



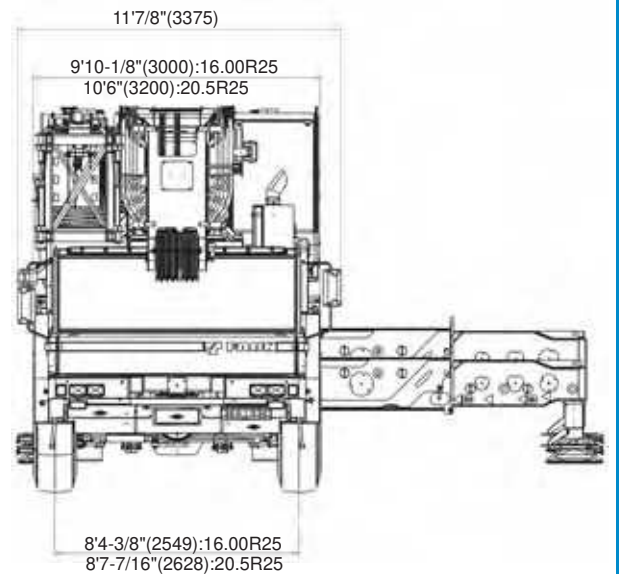
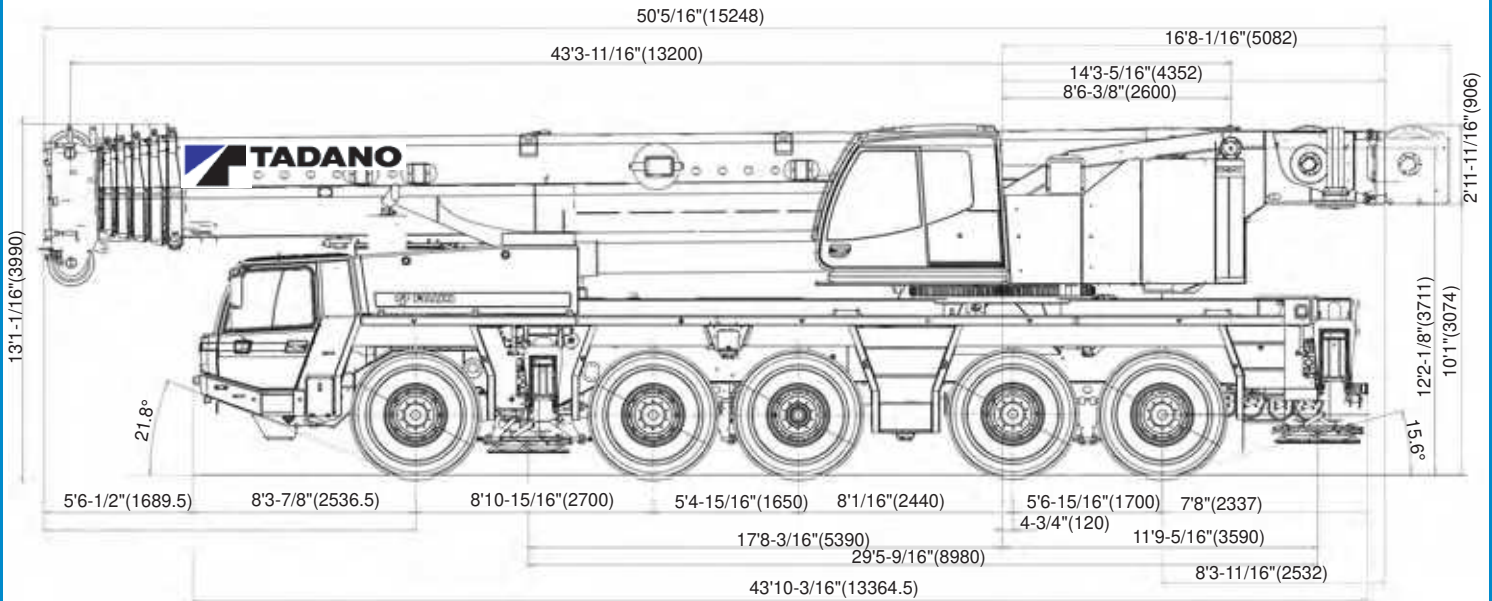
# TADANO

# ATF160G-5

## 200 Ton Capacity (181.4 Metric Tons)

## ALL TERRAIN CRANE

## DIMENSIONS



## TURNING RADIUS

| Steering            | Front wheel (10x4)   | All wheel (10x8)    |
|---------------------|----------------------|---------------------|
| Carrier inside      | 21' 11-3/4" (6.7m)   | 17' 4-11/16" (5.3m) |
| Over carrier        | 40' 8-3/16" (12.4m)  | 35' 9-1/8" (10.9m)  |
| Over boom           | 42' 7-13/16" (13.0m) | 38' 11/16" (11.6m)  |
| Over boom extension | 45' 1-5/16" (13.75m) | 40' 4-1/4" (12.3m)  |

Specifications are subject to change without notice.

# 1. CRANE CARRIER

## 1.1 FRAME

FAUN purpose built, 5 axle, box-type, torsion resistant, welded construction made of high tensile steel with integrated outrigger housings. Equipped with front and rear fenders, front and rear towing and tie-down lugs and towing connections and access ladders. Central lubrication system.

## 1.2 OUTRIGGERS

Four point, fully hydraulic, double telescopic outriggers with horizontal and vertical motions are independently controlled by electro-magnetic valves. Push button controls with level gauges on both sides of carrier and in super-structure cab. Vertical cylinders with integral holding valves. Large sized floats can be stored on vertical cylinders or on carrier for road travel. Outrigger base: length 27'2-3/4" (8.3m), width 29' 5-9/16" (8.98m) Mid. extension 18' 4-1/2" (5.6m). Outrigger floats 1'11-5/8" (600mm) x 1'11-5/8" (600mm)

## 1.3 CARRIER ENGINE

Mercedes Benz 8 cylinder water-cooled diesel engine, model OM 502 LA (EUROMOT2,EPA), with hydrostatically driven fan and thermostatically controlled cooler. Displacement 971.98 in<sup>3</sup>, Rating 517 hp at 1,800 rpm: Torque 1,770 ft-lbs at 1,200 rpm.

## 1.4 TRANSMISSION

ZF AS-Tronic, type 16AS2602, with integrated interarder. Electro-pneumatically controlled dry clutch and fully automatic control system, 16 forward speeds and 2 reverse gears. Gear ratios: Forward: 14.12 / 11.68 / 9.54 / 7.89 / 6.52 / 5.39 / 4.57 / 3.78 / 3.09 / 2.56 / 2.09 / 1.73 / 1.43 / 1.18 / 1.00 / 0.83 Reverse: 13.07 / 10.81

## 1.5 TRANSFER CASE

Two-step transfer box, type VG3750, with on/off road drive. Gear ratios: On-road: 0.8 Off-road: 1.836

## 1.6 DRIVE

10x8 for on-road and off-road: 1st, 2nd, 4th and 5th axle are driven

## 1.7 AXLES

1st axle : steered, driven with transverse differential lock, reduction : 8.47  
2nd axle steered, driven with transverse differential lock, reduction : 8.47  
3rd axle : non steered, non driven, lift axle  
4th axle : steered, driven with longitudinal differential lock and transverse differential lock, reduction : 8.47  
5th axle : steered, driven with transverse differential lock, reduction : 8.47  
All steering knuckle bearings designed for minimum maintenance (yearly inspection).

## 1.8 SUSPENSION

Hydro-pneumatic, lockable with level adjustment. All axles have longitudinal and transverse trailing arms. With leveling adjustment and locked cylinders, the chassis can be tilted laterally and longitudinally by push buttons in the carrier cab, or from the control panel of the outrigger which adjust the stroke of each individual suspension cylinder.

Cylinder stroke: - 4-5/8" (- 118mm)  
+6-3/16" (+ 157mm)

## 1.9 BRAKE SYSTEM

Service brake : Dual circuit compressed air system with air-dryer. ABS(OPTIONAL)  
Parking brake : Spring loaded type, acting on 2nd,4th and 5th axles.  
Auxiliary brake : Interder,engine exhaust brake and constant throttle engine brake system.

## 1.10 WHEELS AND TIRES

(10)11.00-25 steel disc wheels with (10)16.00R25 on / off-road profile tires and mud flaps.  
Carrier width: 9'10-1/8" (3.0m) with 16.00R25 tires  
10' 6" (3.2m) with 20.5R25 tires (OPTIONAL)

## 1.11 STEERING SYSTEM

ZF semi block dual circuit hydraulic steering, Mechanical steering of two front axles with hydraulic booster and a emergency steering pump is flange-mounted to the transfer box.  
Rear axles can also be steered electronically depends on the speed according to the steering angle of the front axles. Rear axles are locked in "centered" position automatically.

## 1.12 POWER TRAIN

Drive-shafts with cross-geared flanges virtually maintenance-free.

## 1.13 FUEL TANK CAPACITY

140 gal (530 l) filler cap lockable.

## 1.14 CARRIER CAB

Two man full width cab of composite structure (steel sheet metal and fiber glass), windshield of laminated safety glass with windshield wiper and washer, sliding side windows of tempered glass. Driver and co-driver seats adjustable and air-suspended with integrated 3 point safety belts and headrests. 2 rear-view mirrors (electrically adjustable), 1 wide angle mirror and additional curb mirror, all mirrors heated, Radio with CD player and connections for wireless. Engine dependent warm-water heater with defroster nozzles for windshield and cab floor. Cruise control function. Single-key system. Instrumentation includes speedometer, odometer, tachograph, rpm counter with hour meter, fuel level gauge, warning light from the engine temperature, gearbox display, colour display indicating further warning signals and operating functions and the compressed air system. Air conditioner(OPTIONAL)

## 1.15 ELECTRICAL SYSTEM

24 volt DC system with 100 ampere 3-phase generator, and two 12 volt, 170 Ah batteries.  
Front lighting includes 2 main head lights, 2 high beam lights, 2 directional indicators and 2 parking lights. Rear lighting includes 2 rear combi panels each with directional indicator, parking light, brake light, fog light, reversing light and license plate light. Side lighting includes 2 front directional indicators and reflectors on carrier.  
Other equipment includes hazard warning light system, cab light, instrument panel light, signal horn and amber rotating beacon on cab roof.  
Charging plugbox. Back up alarm. 2 front fog lights. 4 lights to illuminate the area of the extended outriggers. Lighting according to EEC regulations.

### 1.16 TOOLS AND ACCESSORIES

Special tool set, hazard warning triangle, hazard flashing lamp, fire extinguisher and first aid kit.

### 1.17 PAINTING

Standard TADANO colors

### 1.18 DIMENSIONS

Overall width : 9'10-1/8" (3.0m) with 16.00R25 tires

10' 6" (3.2m) with 20.5R25 tires

Overall height : 13' 1-1/16" (3.99m)

In travel condition, the overall height can be adjusted - 4-5/8" / + 6-3/16"

Overall length : 50' 5/16" (15.248m)

52' 5-1/16" (15.978m) with Aux. winch

Carrier length : 43' 10-3/16" (13.3645m)

Wheel base : 8' 10-15/16" + 5' 4-15/16" + 8' 1/16" + 5' 6-15/16"  
(2.7m + 1.65m + 2.44m + 1.7m )

### 1.19 CARRIER OPTIONAL EQUIPMENT

1. Air conditioning
2. 20.5R25 on/off road profile tires
3. Spare wheel & tire
4. ABS
5. Eddy current brake (retarder)
6. Rear view camera (image in display in carrier cab)
7. Spark arrester
8. Toolbox rear
9. Towing attachment (D-Value 190 kN)
10. Pneumatic and electrical quick disconnect connectors mounted on rear bumper for boom dolly

## 2. TRAVEL PERFORMANCE (according to DIN 70020)

Max. travel speed : 52.8 mph

Max. gradeability : 61 %

| Gear     | 16.00R25 / 20.5R25 tires, GVW 132,275 lb |               |                    |               |
|----------|------------------------------------------|---------------|--------------------|---------------|
|          | Travelling speed (mph)                   |               | Gradeabilities (%) |               |
|          | Off-road gear                            | On -road gear | Off-road gear      | On -road gear |
| 1st      | 1.9                                      | 3.7           | 61                 | 47            |
| 2nd      | 1.9                                      | 4.3           | 47                 | 39            |
| 3rd      | 2.5                                      | 5.0           | 37                 | 31            |
| 4th      | 2.5                                      | 6.2           | 30                 | 25            |
| 5th      | 3.1                                      | 7.5           | 24                 | 20            |
| 6th      | 4.3                                      | 9.3           | 19                 | 16            |
| 7th      | 5.0                                      | 11.2          | 16                 | 14            |
| 8th      | 5.6                                      | 13.0          | 13                 | 11            |
| 9th      | 6.8                                      | 16.2          | 11                 | 9             |
| 10th     | 8.7                                      | 19.3          | 8                  | 7             |
| 11th     | 10.6                                     | 23.6          | 7                  | 6             |
| 12th     | 12.4                                     | 28.6          | 5                  | 4             |
| 13th     | 14.9                                     | 34.8          | 4                  | 3             |
| 14th     | 19.6                                     | 42.3          | 3                  | 3             |
| 15th     | 21.7                                     | 49.7          | 3                  | 2             |
| 16th     | 26.1                                     | 52.8          | 2                  | 1             |
| 1st Rev. | 1.9                                      | 3.7           | 55                 | 45            |
| 2nd Rev. | 1.9                                      | 4.3           | 43                 | 36            |

The gradeability is based on theoretical values and depends on ground conditions and the coefficient of friction.

A minimum speed of 0.6 MPH is in 1st gear (off-road) at 800 rpm.

## 3. SUPERSTRUCTURE

### 3.1 SUPERSTRUCTURE FRAME

Connected to carrier by a single-race ball bearing slewing ring with external gearing providing 360° continuous rotation. Central lubrication system for slewing device, boom elevation cylinder and basic bearing.

### 3.2 CRANE ENGINE

Mercedes Benz 6 cylinder water-cooled diesel engine, model OM 906 LA(EUROMOT 2,EPA), with 184 hp at 1,800 rpm, 553.17 ft-lbs torque at 1,200 - 1,600 rpm. Stepless control of engine rpm by foot pedal.  
Fuel tank capacity : 66.04 gal (250 l)

### 3.3 HYDRAULIC SYSTEM

Three circuit diesel hydraulic system with 1 axial piston variable displacement (hydraulically controlled) double pump with cumulative control for telescoping, derricking and hoisting plus 1 axial piston pump for swing and pilot controls.

### 3.4 HYDRAULIC CONTROLS

2 joy-stick levers and 4 three-way electrically operated valves for independent simultaneous operation of all crane motions with stepless speed control.

### 3.5 TELESCOPIC BOOM

Six section box type construction of high tensile, fine grained steel, consisting of 1 base section and 5 telescopic sections. The boom is extended by means of 1 double acting single stage cylinders with integrated holding valves.

All telescope sections can be extended and retracted fully automatic and locked in the selected working position.

All telescope sections are extendable under partial load.

Total retracted length : 43' 3-11/16" (13.2m)

Total extended length : 196' 10-3/16" (60.0m)

Max. sheave height : 203' 4-15/16" (62.0m)

Telescoping speed out : 400 sec.

### 3.6 BOOM EXTENSION

Swing around lattice type boom extension 17.72'(5.4m) / 43.31'(13.2m), offsets 0°/ 20°/ 40° with anti-two block system.

4 intermediate sections(19.69' each) to extend to 122.05'(37.2m).

### 3.7 AUXILIARY LIFTING SHEAVE (SINGLE TOP) (OPTIONAL)

Single sheave mounted to main boom head for single line operation (stowable). Equipped with anti-two block system .

### 3.8 BOOM HOIST

1 double acting hydraulic cylinder with integral holding valve.

Boom elevation : -1.5° to +84°

Boom elevation speed : 100 sec. normal speed /  
50 sec. high speed (only derricking up)

### 3.9 MAIN WINCH

Axial piston constant displacement motor, grooved hoist drum, integral planetary gear, automatic hydraulically controlled spring-loaded multiple disc brake and integral free wheeling (no sagging of load by hoisting).

Winch drive assembly connected to open hydraulic system. Wire rope with "Superstop" easy reeving system.

Lower limit switch and drum turn indicator.

Drum diameter : 20.67" (525mm)

Rope diameter : 0.83" (21mm)

Rope length : 1,107' (310m)

Max. line pull 3rd layer : 21,356 lbs. (95 kN)

Max. line speed 4th layer : 426.5 ft/min (130m/min)

### 3.10 AUXILIARY WINCH (OPTIONAL)

Axial piston constant displacement motor, grooved hoist drum, integral planetary gear, automatic hydraulically controlled spring-loaded multiple disc brake and integral free wheeling (no sagging of load by hoisting). Winch drive assembly connected to open hydraulic system. Wire rope with "Superstop" easy reeving system. Lower limit switch and drum turn indicator.

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### 3.11 SLEWING GEAR

Constant displacement motor with three stage planetary gear, a foot actuated or automatic service brake and a parking brake. Open hydraulic circuit with free slewing function. Slewing speed infinitely variable: 0 - 1.5 rpm

### 3.12 COUNTERWEIGHT

Total 112,435 lbs, divisible, assembled and disassembled by hydraulic cylinders controlled from crane cab.

Tail swing : 15' 11-1/8" (4.855m)

16' 8-1/16" (5.082m) with Aux. winch

### 3.13 SUPERSTRUCTURE CAB

Spacious comfortable panoramic cab with sliding door, extra-large tinted glass windows, electrical fold-out front window with windshield washer and wiper, fixed cab roof window with armoured glass and washer/wiper, sun visor, cab light, tiltable cockpit with adjustable hydraulically cushioned seat with headrest, signal horn, radio with CD player, and connection for wireless (12 volt).

Engine dependent hot-water heater and engine independent hot water heater with engine pre-heat.

Complete controls and instrumentation plus LCD graphic display for crane operation.

Outtrigger controls from superstructure cab and supported forces display.(OPTIONAL)

Air conditioner.(OPTIONAL)

### 3.14 ELECTRICAL SYSTEM

24 volt system with 30 A 3-phase alternator, two 12 V (110 Ah) batteries, 1 rotating beacon on right-hand side of main winch, 2 working lights on cab front flap, 1 working light on boom base section and 2 side lights on boom head.

### 3.15 SAFETY DEVICES

Electronic load moment device (AML) with interpolation and automatic overload shut-off, hoist limit switch with shut-off, overload warning and load moment gauge. Anemometer.

Digital display of boom angle, boom length, sheave height, working radius, hook load and further information.

Working area limitation for lifting height, load radius, boom angle and swing range.

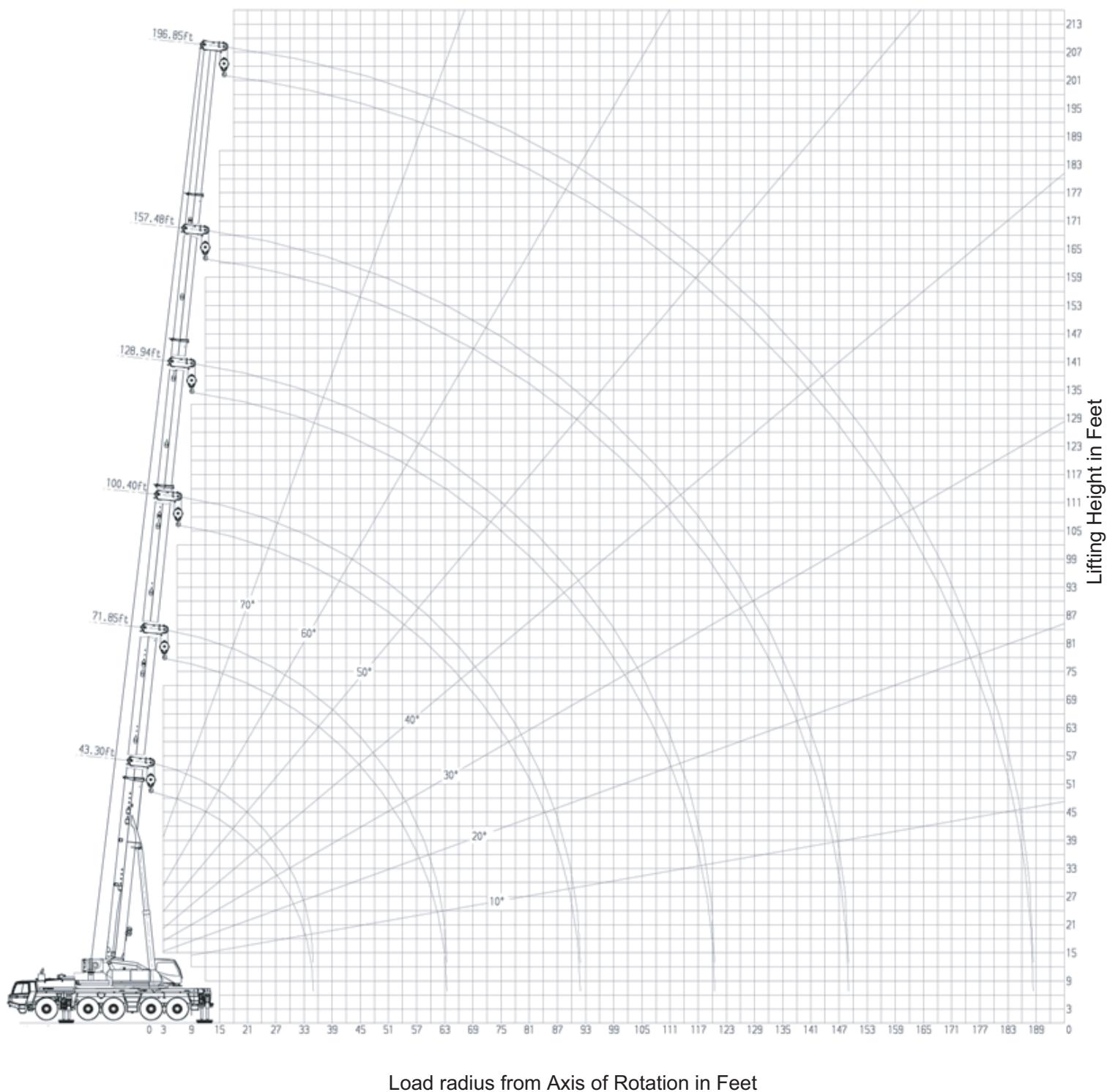
"Lift Adjuster" function, enables the load to be lifted without swinging (automatic derricking up, which keeps the working radius constant.)

Safety valves against pipe and hose rupture, holding valves on hydraulic cylinders.

### 3.16 SUPERSTRUCTURE OPTIONAL EQUIPMENT

1. Air conditioning
2. 11 ton headache ball
3. 27.5 ton, 1 sheave single hook block
4. 69.4 ton, 3 sheave ram's horn hook block
5. 88.0 ton, 5 sheave ram's horn hook block
6. 138.0 ton, 7 sheave ram's horn hook block
7. 176.5 ton, 9 sheave ram's horn hook block
8. 200.0 ton, 11 sheave ram's horn hook block
9. Additional pulleys for lifting loads of more than 121 ton
10. Auxiliary winch
11. Auxiliary lifting sheave
12. 19.69' intermediate sections for boom extension (1 to 4 sections)
13. Spark arrester
14. Aircraft warning lamp
15. Outtrigger load display with monitoring (in superstructure cab and in outtrigger control panels)
16. Additional Hydraulic oil cooler
17. Working area limitation(Slew limit)
18. Free slewing and free boom elevation circuits for boom dolly.
19. 360° positive swing lock (NYC requirement).

# ATF160G-5 WORKING RANGE CHART



**NOTE:** Boom and jib geometry shown are for unloaded condition and machine standing level on firm supporting surface. Boom deflection and subsequent radius and boom angle change must be accounted for when applying load to hook.

# ATF160G-5 TADANO-Load rating chart

## Counterweight 112,435 lbs

| Work.<br>Radius<br>(ft) |  | Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom<br>On outriggers, 360° working area<br>Outrigger base 27.23 ft                         |        |        |    |       |    |        |    |      |    |       |    |        |    |       |    |      |    |       |    |       |    |      |    |       |        | Work.<br>Radius<br>(ft) |      |      |      |      |        |       |    |
|-------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|----|-------|----|--------|----|------|----|-------|----|--------|----|-------|----|------|----|-------|----|-------|----|------|----|-------|--------|-------------------------|------|------|------|------|--------|-------|----|
|                         |  | Boom length (ft)                                                                                                                                                 |        |        |    |       |    |        |    |      |    |       |    |        |    |       |    |      |    |       |    |       |    |      |    |       |        |                         |      |      |      |      |        |       |    |
|                         |  | 43.3      57.7      57.7      71.9      71.9      71.9      71.9      83.3      86.3      86.3      100.4      100.4      100.4      114.8      114.8      114.8 |        |        |    |       |    |        |    |      |    |       |    |        |    |       |    |      |    |       |    |       |    |      |    |       |        |                         |      |      |      |      |        |       |    |
|                         |  | °      °      °      °      °      °      °      °      °      °      °      °      °      °      °                                                              |        |        |    |       |    |        |    |      |    |       |    |        |    |       |    |      |    |       |    |       |    |      |    |       |        |                         |      |      |      |      |        |       |    |
| 9                       |  | 71                                                                                                                                                               | 400.0* |        |    |       |    |        |    |      |    |       |    |        |    |       |    |      |    |       |    |       |    |      |    |       |        |                         |      |      | 9    |      |        |       |    |
| 10                      |  | 70                                                                                                                                                               | 350.5* | 307.5* | 76 | 117.0 | 76 | 264.5* | 79 | 85.5 | 79 | 120.5 | 79 | 255.0* | 79 | 223.0 | 81 | 88.9 | 81 | 116.5 | 81 | 196.5 |    |      |    |       |        |                         |      |      | 10   |      |        |       |    |
| 12                      |  | 67                                                                                                                                                               | 322.5* | 279.0* | 73 | 110.0 | 73 | 264.5* | 77 | 79.7 | 77 | 118.5 | 77 | 255.0* | 77 | 223.0 | 80 | 83.6 | 80 | 116.5 | 80 | 196.5 | 82 | 73.0 | 82 | 109.5 | 82     | 162.5                   |      |      |      | 12   |        |       |    |
| 14                      |  | 64                                                                                                                                                               | 294.5* | 254.5* | 71 | 104.0 | 71 | 255.0* | 75 | 74.6 | 75 | 113.0 | 75 | 250.0* | 75 | 222.0 | 78 | 78.9 | 78 | 116.5 | 78 | 196.5 | 80 | 68.1 | 80 | 109.5 | 80     | 156.0                   |      |      |      | 14   |        |       |    |
| 16                      |  | 61                                                                                                                                                               | 270.0* | 228.5  | 69 | 98.5  | 69 | 229.0  | 73 | 69.9 | 73 | 107.5 | 73 | 228.5  | 73 | 212.5 | 77 | 74.3 | 77 | 113.5 | 77 | 196.5 | 79 | 63.7 | 79 | 109.5 | 79     | 145.5                   | 81   | 65.0 | 81   | 99.5 | 81     | 121.5 | 16 |
| 18                      |  | 58                                                                                                                                                               | 243.0  | 209.5  | 67 | 93.7  | 67 | 210.0  | 72 | 65.9 | 72 | 102.5 | 72 | 209.5  | 72 | 200.5 | 76 | 70.2 | 76 | 109.0 | 76 | 196.5 | 78 | 60.0 | 78 | 109.5 | 78     | 136.5                   | 80   | 61.5 | 80   | 99.5 | 80     | 119.5 | 18 |
| 20                      |  | 54                                                                                                                                                               | 216.5  | 193.5  | 65 | 89.1  | 65 | 194.0  | 71 | 62.1 | 71 | 98.3  | 71 | 193.0  | 71 | 189.0 | 74 | 66.2 | 74 | 104.5 | 74 | 194.0 | 77 | 56.6 | 77 | 109.5 | 77     | 128.0                   | 79   | 58.2 | 79   | 99.5 | 79     | 117.0 | 20 |
| 25                      |  | 45                                                                                                                                                               | 168.5  | 161.0  | 59 | 79.7  | 59 | 161.5  | 66 | 54.6 | 66 | 87.4  | 66 | 161.0  | 66 | 164.5 | 71 | 58.1 | 71 | 95.2  | 71 | 163.5 | 74 | 49.4 | 74 | 100.0 | 74     | 111.0                   | 76   | 51.6 | 76   | 99.5 | 76     | 102.0 | 25 |
| 30                      |  | 32                                                                                                                                                               | 134.5  | 134.5  | 52 | 72.1  | 52 | 136.5  | 62 | 48.5 | 62 | 77.7  | 62 | 135.5  | 62 | 138.0 | 67 | 51.5 | 67 | 86.1  | 67 | 136.5 | 71 | 43.8 | 71 | 92.3  | 71     | 97.5                    | 74   | 46.1 | 74   | 99.5 | 74     | 89.8  | 30 |
| 35                      |  |                                                                                                                                                                  |        |        | 45 | 66.2  | 45 | 115.0  | 56 | 43.7 | 56 | 70.2  | 56 | 114.5  | 56 | 117.0 | 63 | 46.2 | 63 | 78.1  | 63 | 115.5 | 68 | 39.2 | 68 | 84.7  | 68     | 87.1                    | 71   | 41.7 | 71   | 88.8 | 71     | 80.3  | 35 |
| 40                      |  |                                                                                                                                                                  |        |        | 37 | 61.3  | 37 | 99.8   | 51 | 39.7 | 51 | 63.7  | 51 | 98.7   | 51 | 101.0 | 59 | 41.9 | 59 | 71.1  | 59 | 99.8  | 65 | 35.5 | 65 | 77.7  | 65     | 78.0                    | 69   | 38.0 | 69   | 82.2 | 69     | 72.1  | 40 |
| 45                      |  |                                                                                                                                                                  |        |        | 26 | 57.9  | 26 | 87.4   | 45 | 36.5 | 45 | 58.5  | 45 | 86.3   | 45 | 88.5  | 55 | 38.4 | 55 | 65.1  | 55 | 87.4  | 62 | 32.3 | 62 | 71.9  | 62     | 70.8                    | 66   | 35.0 | 66   | 76.5 | 66     | 65.6  | 45 |
| 50                      |  |                                                                                                                                                                  |        |        |    |       |    |        | 39 | 33.9 | 39 | 54.1  | 39 | 76.6   | 39 | 79.4  | 50 | 35.4 | 50 | 60.0  | 50 | 78.0  | 58 | 29.7 | 58 | 66.7  | 58     | 64.7                    | 63   | 32.3 | 63   | 71.4 | 63     | 60.0  | 50 |
| 55                      |  |                                                                                                                                                                  |        |        |    |       |    |        | 31 | 31.6 | 31 | 50.4  | 31 | 67.3   | 31 | 70.3  | 46 | 32.8 | 46 | 55.6  | 46 | 68.8  | 54 | 27.4 | 54 | 62.0  | 54     | 59.3                    | 59   | 30.0 | 59   | 67.6 | 59     | 55.1  | 55 |
| 60                      |  |                                                                                                                                                                  |        |        |    |       |    |        | 22 | 29.6 | 22 | 47.2  | 22 | 57.7   | 22 | 60.5  | 41 | 30.5 | 41 | 51.8  | 41 | 59.7  | 50 | 25.5 | 50 | 58.3  | 50     | 54.6                    | 56   | 27.9 | 56   | 63.8 | 56     | 50.9  | 60 |
| 65                      |  |                                                                                                                                                                  |        |        |    |       |    |        |    |      |    |       |    |        |    |       | 35 | 28.7 | 35 | 48.5  | 35 | 52.5  | 46 | 23.8 | 46 | 56.4  | 46     | 50.5                    | 53   | 26.2 | 53   | 56.3 | 53     | 47.0  | 65 |
| 70                      |  |                                                                                                                                                                  |        |        |    |       |    |        |    |      |    |       |    |        |    |       | 27 | 27.1 | 27 | 45.9  | 27 | 46.6  | 42 | 22.3 | 42 | 51.7  | 42     | 45.2                    | 50   | 24.7 | 50   | 50.3 | 50     | 45.0  | 70 |
| 75                      |  |                                                                                                                                                                  |        |        |    |       |    |        |    |      |    |       |    |        |    |       | 20 | 25.6 | 20 | 43.3  | 20 | 40.9  | 37 | 20.9 | 37 | 46.7  | 37     | 40.1                    | 47   | 23.3 | 47   | 45.2 | 47     | 41.8  | 75 |
| 80                      |  |                                                                                                                                                                  |        |        |    |       |    |        |    |      |    |       |    |        |    |       |    |      |    |       |    |       | 31 | 19.8 | 31 | 42.2  | 31     | 35.7                    | 43   | 22.0 | 43   | 40.7 | 43     | 37.6  | 80 |
| 85                      |  |                                                                                                                                                                  |        |        |    |       |    |        |    |      |    |       |    |        |    |       |    |      |    |       |    |       | 24 | 18.8 | 24 | 38.4  | 24     | 32.0                    | 39   | 20.8 | 39   | 36.8 | 39     | 33.7  | 85 |
| 90                      |  |                                                                                                                                                                  |        |        |    |       |    |        |    |      |    |       |    |        |    |       |    |      |    |       |    |       | 18 | 17.8 | 18 | 34.5  | 18     | 28.3                    | 34   | 19.9 | 34   | 33.6 | 34     | 30.5  | 90 |
| 95                      |  |                                                                                                                                                                  |        |        |    |       |    |        |    |      |    |       |    |        |    |       |    |      |    |       |    |       |    |      |    |       |        | 29                      | 19.1 | 29   | 30.7 | 29   | 27.6   | 95    |    |
| 100                     |  |                                                                                                                                                                  |        |        |    |       |    |        |    |      |    |       |    |        |    |       |    |      |    |       |    |       |    |      |    |       |        | 23                      | 18.3 | 23   | 28.0 | 23   | 24.9   | 100   |    |
| 110                     |  |                                                                                                                                                                  |        |        |    |       |    |        |    |      |    |       |    |        |    |       |    |      |    |       |    |       |    |      |    |       |        |                         |      |      |      |      |        | 110   |    |
| 120                     |  |                                                                                                                                                                  |        |        |    |       |    |        |    |      |    |       |    |        |    |       |    |      |    |       |    |       |    |      |    |       |        |                         |      |      |      |      |        | 120   |    |
| 130                     |  |                                                                                                                                                                  |        |        |    |       |    |        |    |      |    |       |    |        |    |       |    |      |    |       |    |       |    |      |    |       |        |                         |      |      |      |      |        | 130   |    |
| 140                     |  |                                                                                                                                                                  |        |        |    |       |    |        |    |      |    |       |    |        |    |       |    |      |    |       |    |       |    |      |    |       |        |                         |      |      |      |      |        | 140   |    |
| 150                     |  |                                                                                                                                                                  |        |        |    |       |    |        |    |      |    |       |    |        |    |       |    |      |    |       |    |       |    |      |    |       |        |                         |      |      |      |      |        | 150   |    |
| Telescoping sequence %  |  |                                                                                                                                                                  |        |        |    |       |    |        |    |      |    |       |    |        |    |       |    |      |    |       |    |       |    |      |    |       |        |                         |      |      |      |      |        |       |    |
| Tel. 1                  |  |                                                                                                                                                                  | 0      |        | 0  | 0     | 0  | 0      | 46 | 0    | 0  | 0     | 46 | 0      | 0  | 46    | 0  | 0    | 0  | 46    | 0  | 0     | 93 | 0    | 46 | 93    | Tel. 1 |                         |      |      |      |      |        |       |    |
| Tel. 2                  |  |                                                                                                                                                                  | 0      |        | 0  | 46    | 0  | 0      | 46 | 46   | 0  | 0     | 46 | 0      | 46 | 46    | 0  | 46   | 46 | 46    | 0  | 46    | 46 | 46   | 46 | 46    | 46     | 46                      | 46   | 46   | 46   | 46   | Tel. 2 |       |    |
| Tel. 3                  |  |                                                                                                                                                                  | 0      |        | 0  | 0     | 0  | 0      | 0  | 0    | 46 | 0     | 46 | 0      | 46 | 46    | 0  | 46   | 46 | 46    | 0  | 46    | 46 | 46   | 46 | 46    | 46     | 46                      | 46   | 46   | 46   | 46   | Tel. 3 |       |    |
| Tel. 4                  |  |                                                                                                                                                                  | 0      |        | 0  | 0     | 0  | 0      | 46 | 0    | 0  | 46    | 0  | 0      | 46 | 46    | 0  | 93   | 46 | 0     | 93 | 46    | 0  | 93   | 46 | 46    | 46     | 46                      | 46   | 46   | 46   | 46   | Tel. 4 |       |    |
| Tel. 5                  |  |                                                                                                                                                                  | 0      |        | 46 | 0     | 93 | 46     | 0  | 0    | 0  | 93    | 46 | 0      | 93 | 46    | 0  | 93   | 46 | 0     | 93 | 46    | 0  | 93   | 46 | 0     | 93     | 46                      | 0    | 93   | 46   | 0    | Tel. 5 |       |    |

1) Over rear with superstructure pin engaged

\*With additional lifting equipment.

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

## Counterweight 81,570 lbs

| Work.<br>Radius<br>(ft) |    | Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom<br>On outriggers, 360° working area<br>Outrigger base 27.23 ft |        |      |       |      |        |      |      |      |       |      |        |      |       |      |      |      |       |      |       |       |      |       |       | Work.<br>Radius<br>(ft) |       |       |      |       |      |       |        |       |  |
|-------------------------|----|------------------------------------------------------------------------------------------------------------------------------------------|--------|------|-------|------|--------|------|------|------|-------|------|--------|------|-------|------|------|------|-------|------|-------|-------|------|-------|-------|-------------------------|-------|-------|------|-------|------|-------|--------|-------|--|
|                         |    | Boom length (ft)                                                                                                                         |        |      |       |      |        |      |      |      |       |      |        |      |       |      |      |      |       |      |       |       |      |       |       |                         |       |       |      |       |      |       |        |       |  |
|                         |    | 43.3                                                                                                                                     |        | 57.7 |       | 57.7 |        | 71.9 |      | 71.9 |       | 71.9 |        | 71.9 |       | 83.3 |      | 86.3 |       | 86.3 |       | 100.4 |      | 100.4 |       |                         |       | 100.4 |      | 114.8 |      | 114.8 |        | 114.8 |  |
|                         |    | °<br>1)                                                                                                                                  | °      | °    | °     | °    | °      | °    | °    | °    | °     | °    | °      | °    | °     | °    | °    | °    | °     | °    | °     | °     | °    | °     | °     |                         |       | °     | °    | °     | °    | °     | °      | °     |  |
| 9                       | 71 | 400.0*                                                                                                                                   |        |      |       |      |        |      |      |      |       |      |        |      |       |      |      |      |       |      |       |       |      |       |       |                         |       |       |      |       |      |       | 9      |       |  |
| 10                      | 70 | 350.5*                                                                                                                                   | 306.0* | 76   | 117.0 | 76   | 264.5* | 79   | 85.5 | 79   | 120.5 | 79   | 255.0* | 79   | 223.0 | 81   | 88.9 | 81   | 116.5 | 81   | 196.5 |       |      |       |       |                         |       |       |      |       |      |       |        | 10    |  |
| 12                      | 67 | 318.0*                                                                                                                                   | 277.5* | 73   | 110.0 | 73   | 264.5* | 77   | 79.7 | 77   | 118.5 | 77   | 255.0* | 77   | 223.0 | 80   | 83.6 | 80   | 116.5 | 80   | 196.5 | 82    | 73.0 | 82    | 109.5 | 82                      | 162.5 |       |      |       |      |       |        | 12    |  |
| 14                      | 64 | 279.0*                                                                                                                                   | 252.0* | 71   | 104.0 | 71   | 253.5* | 75   | 74.6 | 75   | 112.5 | 75   | 249.5* | 75   | 222.0 | 78   | 78.9 | 78   | 116.5 | 78   | 196.5 | 80    | 68.1 | 80    | 109.5 | 80                      | 156.0 |       |      |       |      |       |        | 14    |  |
| 16                      | 61 | 247.0*                                                                                                                                   | 226.5  | 69   | 98.5  | 69   | 227.0  | 73   | 69.9 | 73   | 107.5 | 73   | 226.0  | 73   | 212.5 | 77   | 74.3 | 77   | 113.5 | 77   | 196.5 | 79    | 63.7 | 79    | 109.5 | 79                      | 145.5 | 81    | 65.0 | 81    | 99.5 | 81    | 121.5  | 16    |  |
| 18                      | 58 | 220.5                                                                                                                                    | 210.0  | 67   | 93.7  | 67   | 210.0  | 72   | 65.9 | 72   | 102.5 | 72   | 208.5  | 72   | 200.5 | 76   | 70.2 | 76   | 109.0 | 76   | 196.5 | 78    | 60.0 | 78    | 109.5 | 78                      | 136.5 | 80    | 61.5 | 80    | 99.5 | 80    | 119.5  | 18    |  |
| 20                      | 54 | 197.0                                                                                                                                    | 195.5  | 65   | 89.1  | 65   | 195.0  | 71   | 62.1 | 71   | 98.3  | 71   | 194.5  | 71   | 188.5 | 74   | 66.2 | 74   | 104.5 | 74   | 194.0 | 77    | 56.6 | 77    | 109.5 | 77                      | 128.0 | 79    | 58.2 | 79    | 99.5 | 79    | 117.0  | 20    |  |
| 25                      | 45 | 156.5                                                                                                                                    | 156.0  | 59   | 79.7  | 59   | 156.5  | 66   | 54.6 | 66   | 87.4  | 66   | 155.0  | 66   | 157.5 | 71   | 58.1 | 71   | 95.2  | 71   | 156.0 | 74    | 49.4 | 74    | 100.0 | 74                      | 111.0 | 76    | 51.6 | 76    | 99.5 | 76    | 102.0  | 25    |  |
| 30                      | 32 | 128.0                                                                                                                                    | 128.0  | 52   | 72.1  | 52   | 128.0  | 62   | 48.5 | 62   | 77.7  | 62   | 127.0  | 62   | 129.5 | 67   | 51.5 | 67   | 86.1  | 67   | 128.0 | 71    | 43.8 | 71    | 92.3  | 71                      | 97.5  | 74    | 46.1 | 74    | 99.5 | 74    | 89.8   | 30    |  |
| 35                      |    |                                                                                                                                          |        | 45   | 66.2  | 45   | 107.5  | 56   | 43.7 | 56   | 70.2  | 56   | 106.0  | 56   | 109.5 | 63   | 46.2 | 63   | 78.1  | 63   | 108.0 | 68    | 39.2 | 68    | 84.7  | 68                      | 87.1  | 71    | 41.7 | 71    | 88.8 | 71    | 80.3   | 35    |  |
| 40                      |    |                                                                                                                                          |        | 37   | 61.3  | 37   | 93.0   | 51   | 39.7 | 51   | 63.7  | 51   | 86.7   | 51   | 90.3  | 59   | 41.9 | 59   | 71.1  | 59   | 88.6  | 65    | 35.5 | 65    | 77.7  | 65                      | 78.0  | 69    | 38.0 | 69    | 82.2 | 69    | 72.1   | 40    |  |
| 45                      |    |                                                                                                                                          |        | 26   | 57.9  | 26   | 76.7   | 45   | 36.5 | 45   | 58.5  | 45   | 74.6   | 45   | 77.7  | 55   | 38.4 | 55   | 65.1  | 55   | 76.2  | 62    | 32.3 | 62    | 71.9  | 62                      | 70.8  | 66    | 35.0 | 66    | 76.5 | 66    | 65.6   | 45    |  |
| 50                      |    |                                                                                                                                          |        |      |       |      |        | 39   | 33.9 | 39   | 54.1  | 39   | 63.2   | 39   | 66.4  | 50   | 35.4 | 50   | 60.0  | 50   | 64.8  | 58    | 29.7 | 58    | 66.7  | 58                      | 62.2  | 63    | 32.3 | 63    | 68.2 | 63    | 60.0   | 50    |  |
| 55                      |    |                                                                                                                                          |        |      |       |      |        | 31   | 31.6 | 31   | 50.4  | 31   | 53.6   | 31   | 56.7  | 46   | 32.8 | 46   | 55.6  | 46   | 55.4  | 54    | 27.4 | 54    | 60.4  | 54                      | 53.8  | 59    | 30.0 | 59    | 59.5 | 59    | 54.2   | 55    |  |
| 60                      |    |                                                                                                                                          |        |      |       |      |        | 22   | 29.6 | 22   | 47.2  | 22   | 45.7   | 22   | 48.5  | 41   | 30.5 | 41   | 51.6  | 41   | 47.4  | 50    | 25.5 | 50    | 53.2  | 50                      | 46.2  | 56    | 27.9 | 56    | 51.5 | 56    | 48.0   | 60    |  |
| 65                      |    |                                                                                                                                          |        |      |       |      |        |      |      |      |       |      |        |      |       | 35   | 28.7 | 35   | 47.3  | 35   | 41.3  | 46    | 23.8 | 46    | 46.9  | 46                      | 40.0  | 53    | 26.2 | 53    | 45.3 | 53    | 41.8   | 65    |  |
| 70                      |    |                                                                                                                                          |        |      |       |      |        |      |      |      |       |      |        |      |       | 27   | 27.1 | 27   | 42.3  | 27   | 36.3  | 42    | 22.3 | 42    | 41.7  | 42                      | 35.0  | 50    | 24.7 | 50    | 40.1 | 50    | 36.7   | 70    |  |
| 75                      |    |                                                                                                                                          |        |      |       |      |        |      |      |      |       |      |        |      |       | 20   | 25.6 | 20   | 37.3  | 20   | 31.4  | 37    | 20.9 | 37    | 37.2  | 37                      | 30.5  | 47    | 23.3 | 47    | 35.6 | 47    | 32.4   | 75    |  |
| 80                      |    |                                                                                                                                          |        |      |       |      |        |      |      |      |       |      |        |      |       |      |      |      |       |      |       | 31    | 19.8 | 31    | 33.4  | 31                      | 26.5  | 43    | 22.0 | 43    | 31.8 | 43    | 28.7   | 80    |  |
| 85                      |    |                                                                                                                                          |        |      |       |      |        |      |      |      |       |      |        |      |       |      |      |      |       |      |       | 24    | 18.8 | 24    | 30.2  | 24                      | 23.3  | 39    | 20.8 | 39    | 28.6 | 39    | 25.1   | 85    |  |
| 90                      |    |                                                                                                                                          |        |      |       |      |        |      |      |      |       |      |        |      |       |      |      |      |       |      |       | 18    | 17.8 | 18    | 27.0  | 18                      | 20.1  | 34    | 19.9 | 34    | 25.9 | 34    | 22.4   | 90    |  |
| 95                      |    |                                                                                                                                          |        |      |       |      |        |      |      |      |       |      |        |      |       |      |      |      |       |      |       |       |      |       |       |                         | 29    | 19.1  | 29   | 23.4  | 29   | 19.9  | 95     |       |  |
| 100                     |    |                                                                                                                                          |        |      |       |      |        |      |      |      |       |      |        |      |       |      |      |      |       |      |       |       |      |       |       |                         | 23    | 18.3  | 23   | 21.1  | 23   | 17.6  | 100    |       |  |
| 110                     |    |                                                                                                                                          |        |      |       |      |        |      |      |      |       |      |        |      |       |      |      |      |       |      |       |       |      |       |       |                         |       |       |      |       |      |       | 110    |       |  |
| 120                     |    |                                                                                                                                          |        |      |       |      |        |      |      |      |       |      |        |      |       |      |      |      |       |      |       |       |      |       |       |                         |       |       |      |       |      |       | 120    |       |  |
| 130                     |    |                                                                                                                                          |        |      |       |      |        |      |      |      |       |      |        |      |       |      |      |      |       |      |       |       |      |       |       |                         |       |       |      |       |      |       | 130    |       |  |
| 140                     |    |                                                                                                                                          |        |      |       |      |        |      |      |      |       |      |        |      |       |      |      |      |       |      |       |       |      |       |       |                         |       |       |      |       |      |       | 140    |       |  |
| 150                     |    |                                                                                                                                          |        |      |       |      |        |      |      |      |       |      |        |      |       |      |      |      |       |      |       |       |      |       |       |                         |       |       |      |       |      |       | 150    |       |  |
| Telescoping sequence %  |    |                                                                                                                                          |        |      |       |      |        |      |      |      |       |      |        |      |       |      |      |      |       |      |       |       |      |       |       |                         |       |       |      |       |      |       |        |       |  |
| Tel. 1                  |    | 0                                                                                                                                        |        | 0    |       | 0    |        | 0    |      | 0    |       | 46   |        | 0    |       | 0    |      | 0    |       | 46   |       | 0     |      | 0     |       | 93                      |       | 0     |      | 46    |      | 93    | Tel. 1 |       |  |
| Tel. 2                  |    | 0                                                                                                                                        |        | 0    |       | 46   |        | 0    |      | 0    |       | 46   |        | 46   |       | 0    |      | 0    |       | 46   |       | 0     |      | 46    |       | 46                      |       | 0     |      | 46    |      | 46    | Tel. 2 |       |  |
| Tel. 3                  |    | 0                                                                                                                                        |        | 0    |       | 0    |        | 0    |      | 0    |       | 0    |        | 46   |       | 0    |      | 46   |       | 46   |       | 0     |      | 46    |       | 46                      |       | 46    |      | 46    |      | 46    | Tel. 3 |       |  |
| Tel. 4                  |    | 0                                                                                                                                        |        | 0    |       | 0    |        | 0    |      | 46   |       | 0    |        | 0    |       | 0    |      | 46   |       | 0    |       | 93    |      | 46    |       | 0                       |       | 93    |      | 46    |      | 46    | Tel. 4 |       |  |
| Tel. 5                  |    | 0                                                                                                                                        |        | 46   |       | 0    |        | 93   |      | 46   |       | 0    |        | 0    |       | 93   |      | 46   |       | 0    |       | 93    |      | 46    |       | 0                       |       | 93    |      | 46    |      | 0     | Tel. 5 |       |  |

## Counterweight 112,435 lbs

| Work.<br>Radius<br>(ft) | Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom<br>On outriggers, 360° working area<br>Outrigger base 27.23 ft |        |        |        |        |        |        |        |        |        |        |        |        |        |        |      |    |      | Work.<br>Radius<br>(ft) |      |     |      |      |      |     |      |     |     |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|----|------|-------------------------|------|-----|------|------|------|-----|------|-----|-----|
|                         | Boom length (ft)                                                                                                                         |        |        |        |        |        |        |        |        |        |        |        |        |        |        |      |    |      |                         |      |     |      |      |      |     |      |     |     |
|                         | 128.9°                                                                                                                                   | 128.9° | 128.9° | 143.4° | 143.4° | 143.3° | 157.5° | 157.5° | 157.5° | 171.9° | 171.9° | 186.0° | 196.9° |        |        |      |    |      |                         |      |     |      |      |      |     |      |     |     |
| 9                       |                                                                                                                                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |      |    |      | 9                       |      |     |      |      |      |     |      |     |     |
| 10                      |                                                                                                                                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |      |    |      | 10                      |      |     |      |      |      |     |      |     |     |
| 12                      |                                                                                                                                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |      |    |      | 12                      |      |     |      |      |      |     |      |     |     |
| 14                      |                                                                                                                                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |      |    |      | 14                      |      |     |      |      |      |     |      |     |     |
| 16                      |                                                                                                                                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |      |    |      | 16                      |      |     |      |      |      |     |      |     |     |
| 18                      |                                                                                                                                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |      |    |      | 18                      |      |     |      |      |      |     |      |     |     |
| 20                      | 81                                                                                                                                       | 57.2   | 81     | 91.3   | 81     | 71.0   | 82     | 49.4   | 82     | 54.0   | 82     | 73.6   |        |        |        |      |    |      | 20                      |      |     |      |      |      |     |      |     |     |
| 25                      | 78                                                                                                                                       | 51.6   | 78     | 91.3   | 78     | 68.0   | 80     | 49.4   | 80     | 53.7   | 80     | 73.6   | 81     | 43.0   | 81     | 59.3 | 81 | 49.2 |                         |      |     |      |      |      |     |      | 25  |     |
| 30                      | 76                                                                                                                                       | 45.9   | 76     | 83.8   | 76     | 61.9   | 78     | 47.2   | 78     | 50.1   | 78     | 73.3   | 80     | 43.0   | 80     | 59.3 | 80 | 49.2 | 81                      | 38.8 | 81  | 47.6 | 82   | 37.5 |     |      |     | 30  |
| 35                      | 74                                                                                                                                       | 41.4   | 74     | 75.3   | 74     | 56.8   | 76     | 42.8   | 76     | 45.9   | 76     | 68.3   | 78     | 42.0   | 78     | 58.0 | 78 | 48.1 | 79                      | 38.8 | 79  | 47.0 | 80   | 37.5 | 81  | 30.9 |     | 35  |
| 40                      | 72                                                                                                                                       | 37.5   | 72     | 68.0   | 72     | 52.4   | 74     | 39.1   | 74     | 42.2   | 74     | 61.7   | 76     | 39.5   | 76     | 54.9 | 76 | 45.9 | 78                      | 38.6 | 78  | 45.7 | 79   | 37.4 | 80  | 30.9 |     | 40  |
| 45                      | 69                                                                                                                                       | 34.1   | 69     | 62.0   | 69     | 48.6   | 71     | 36.1   | 71     | 39.1   | 71     | 56.5   | 74     | 36.7   | 74     | 51.2 | 74 | 42.7 | 75                      | 36.9 | 75  | 42.9 | 77   | 36.3 | 78  | 30.9 |     | 45  |
| 50                      | 66                                                                                                                                       | 31.3   | 66     | 56.7   | 66     | 45.4   | 69     | 33.3   | 69     | 36.5   | 69     | 51.9   | 72     | 34.1   | 72     | 47.9 | 72 | 39.8 | 74                      | 34.7 | 74  | 40.1 | 76   | 34.4 | 77  | 30.9 |     | 50  |
| 55                      | 64                                                                                                                                       | 28.9   | 64     | 52.2   | 64     | 42.5   | 67     | 30.9   | 67     | 34.2   | 67     | 47.8   | 70     | 31.8   | 70     | 44.6 | 70 | 37.2 | 72                      | 32.5 | 72  | 37.7 | 74   | 32.4 | 75  | 30.0 |     | 55  |
| 60                      | 61                                                                                                                                       | 26.8   | 61     | 48.3   | 61     | 39.9   | 65     | 28.8   | 65     | 32.1   | 65     | 44.2   | 68     | 29.9   | 68     | 41.3 | 68 | 34.9 | 71                      | 30.5 | 71  | 35.6 | 73   | 30.5 | 74  | 28.4 |     | 60  |
| 65                      | 58                                                                                                                                       | 24.9   | 58     | 44.7   | 58     | 37.7   | 62     | 26.9   | 62     | 30.2   | 62     | 41.0   | 66     | 28.0   | 66     | 38.5 | 66 | 32.9 | 68                      | 28.9 | 68  | 33.5 | 70   | 28.9 | 72  | 27.1 |     | 65  |
| 70                      | 56                                                                                                                                       | 23.4   | 56     | 41.8   | 56     | 35.9   | 60     | 25.2   | 60     | 28.5   | 60     | 38.2   | 64     | 26.5   | 64     | 35.9 | 64 | 31.2 | 67                      | 27.3 | 67  | 31.8 | 69   | 27.5 | 71  | 25.7 |     | 70  |
| 75                      | 53                                                                                                                                       | 21.9   | 53     | 40.4   | 53     | 34.1   | 58     | 23.7   | 58     | 27.0   | 58     | 35.7   | 62     | 24.9   | 62     | 33.6 | 62 | 29.6 | 65                      | 25.9 | 65  | 30.2 | 67   | 26.1 | 69  | 24.5 |     | 75  |
| 80                      | 50                                                                                                                                       | 20.4   | 50     | 39.2   | 50     | 32.5   | 55     | 22.4   | 55     | 25.7   | 55     | 33.4   | 59     | 23.5   | 59     | 31.5 | 59 | 28.1 | 63                      | 24.6 | 63  | 28.8 | 66   | 24.9 | 68  | 23.3 |     | 80  |
| 85                      | 47                                                                                                                                       | 19.3   | 47     | 35.5   | 47     | 31.0   | 53     | 21.2   | 53     | 24.5   | 53     | 31.4   | 57     | 22.3   | 57     | 29.4 | 57 | 26.5 | 61                      | 23.4 | 61  | 27.4 | 64   | 23.9 | 66  | 21.9 |     | 85  |
| 90                      | 43                                                                                                                                       | 18.2   | 43     | 32.3   | 43     | 29.6   | 50     | 20.1   | 50     | 23.4   | 50     | 30.0   | 55     | 21.3   | 55     | 27.7 | 55 | 25.4 | 59                      | 22.3 | 59  | 26.2 | 62   | 22.7 | 65  | 20.4 |     | 90  |
| 95                      | 40                                                                                                                                       | 17.3   | 40     | 29.4   | 40     | 28.5   | 47     | 19.1   | 47     | 22.4   | 47     | 28.5   | 53     | 20.3   | 53     | 26.2 | 53 | 24.3 | 57                      | 21.3 | 57  | 25.1 | 60   | 21.7 | 63  | 19.1 |     | 95  |
| 100                     | 36                                                                                                                                       | 16.5   | 36     | 26.8   | 36     | 27.5   | 44     | 18.3   | 44     | 21.6   | 44     | 26.6   | 50     | 19.4   | 50     | 24.8 | 50 | 23.3 | 54                      | 20.4 | 54  | 23.8 | 58   | 20.9 | 61  | 17.9 |     | 100 |
| 110                     | 27                                                                                                                                       | 15.0   | 27     | 22.3   | 27     | 25.1   | 38     | 16.6   | 38     | 19.9   | 38     | 22.2   | 45     | 17.7   | 45     | 22.1 | 45 | 21.4 | 50                      | 18.7 | 50  | 21.6 | 54   | 19.2 | 57  | 15.7 |     | 110 |
| 120                     |                                                                                                                                          |        |        |        |        |        | 29     | 15.2   | 29     | 18.5   | 29     | 18.5   | 39     | 16.3   | 39     | 19.0 | 39 | 19.9 | 45                      | 17.4 | 45  | 19.8 | 50   | 17.9 | 53  | 14.0 |     | 120 |
| 130                     |                                                                                                                                          |        |        |        |        |        | 18     | 14.2   | 18     | 17.7   | 18     | 15.4   | 32     | 15.2   | 32     | 15.8 | 32 | 17.9 | 40                      | 16.2 | 40  | 16.9 | 46   | 16.5 | 50  | 12.2 |     | 130 |
| 140                     |                                                                                                                                          |        |        |        |        |        |        |        |        |        |        |        | 23     | 13.8   | 23     | 13.4 | 23 | 15.4 | 34                      | 15.1 | 34  | 14.2 | 41   | 14.9 | 45  | 10.7 |     | 140 |
| 150                     |                                                                                                                                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |      |    |      | 27                      | 14.0 | 27  | 11.9 | 36   | 13.0 | 40  | 9.4  |     | 150 |
| 160                     |                                                                                                                                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |      |    | 16   | 12.1                    | 16   | 9.9 | 29   | 11.0 | 35   | 8.3 |      | 160 |     |
| 170                     |                                                                                                                                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |      |    |      |                         |      |     | 21   | 9.3  | 29   | 7.1 |      | 170 |     |
| 180                     |                                                                                                                                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |      |    |      |                         |      |     |      |      | 21   | 6.1 |      | 180 |     |
| 190                     |                                                                                                                                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |      |    |      |                         |      |     |      |      |      |     |      | 190 |     |
| Telescoping sequence %  |                                                                                                                                          |        |        |        |        |        |        |        |        |        |        |        |        |        |        |      |    |      |                         |      |     |      |      |      |     |      |     |     |
| Tel. 1                  | 0                                                                                                                                        | 93     | 46     | 0      | 46     | 93     | 0      | 93     | 46     | 46     | 93     | 93     | 100    | Tel. 1 |        |      |    |      |                         |      |     |      |      |      |     |      |     |     |
| Tel. 2                  | 0                                                                                                                                        | 46     | 46     | 46     | 46     | 93     | 93     | 93     | 93     | 93     | 93     | 93     | 100    | Tel. 2 |        |      |    |      |                         |      |     |      |      |      |     |      |     |     |
| Tel. 3                  | 93                                                                                                                                       | 46     | 46     | 93     | 46     | 46     | 93     | 93     | 93     | 93     | 93     | 93     | 100    | Tel. 3 |        |      |    |      |                         |      |     |      |      |      |     |      |     |     |
| Tel. 4                  | 93                                                                                                                                       | 46     | 46     | 93     | 93     | 93     | 46     | 93     | 46     | 93     | 93     | 93     | 100    | Tel. 4 |        |      |    |      |                         |      |     |      |      |      |     |      |     |     |
| Tel. 5                  | 93                                                                                                                                       | 46     | 93     | 93     | 93     | 93     | 46     | 93     | 46     | 46     | 93     | 46     | 93     | 100    | Tel. 5 |      |    |      |                         |      |     |      |      |      |     |      |     |     |

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

## Counterweight 81,570 lbs

| Work.<br>Radius<br>(ft) | Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom<br>On outriggers, 360° working area<br>Outrigger base 27.23 ft |            |            |            |            |            |            |            |            |            |            |            |            |      |      |      |      |      |      |        | Work.<br>Radius<br>(ft) |      |      |      |      |      |     |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------|------|------|------|------|------|--------|-------------------------|------|------|------|------|------|-----|
|                         | Boom length (ft)                                                                                                                         |            |            |            |            |            |            |            |            |            |            |            |            |      |      |      |      |      |      |        |                         |      |      |      |      |      |     |
|                         | 128.9<br>°                                                                                                                               | 128.9<br>° | 128.9<br>° | 143.4<br>° | 143.4<br>° | 143.3<br>° | 157.5<br>° | 157.5<br>° | 157.5<br>° | 171.9<br>° | 171.9<br>° | 186.0<br>° | 196.9<br>° |      |      |      |      |      |      |        |                         |      |      |      |      |      |     |
| 9                       |                                                                                                                                          |            |            |            |            |            |            |            |            |            |            |            |            |      |      |      |      |      |      |        | 9                       |      |      |      |      |      |     |
| 10                      |                                                                                                                                          |            |            |            |            |            |            |            |            |            |            |            |            |      |      |      |      |      |      |        | 10                      |      |      |      |      |      |     |
| 12                      |                                                                                                                                          |            |            |            |            |            |            |            |            |            |            |            |            |      |      |      |      |      |      |        | 12                      |      |      |      |      |      |     |
| 14                      |                                                                                                                                          |            |            |            |            |            |            |            |            |            |            |            |            |      |      |      |      |      |      |        | 14                      |      |      |      |      |      |     |
| 16                      |                                                                                                                                          |            |            |            |            |            |            |            |            |            |            |            |            |      |      |      |      |      |      |        | 16                      |      |      |      |      |      |     |
| 18                      |                                                                                                                                          |            |            |            |            |            |            |            |            |            |            |            |            |      |      |      |      |      |      |        | 18                      |      |      |      |      |      |     |
| 20                      | 81                                                                                                                                       | 57.2       | 81         | 91.3       | 81         | 71.0       | 82         | 49.4       | 82         | 54.0       | 82         | 73.6       |            |      |      |      |      |      |      |        | 20                      |      |      |      |      |      |     |
| 25                      | 78                                                                                                                                       | 51.6       | 78         | 91.3       | 78         | 68.0       | 80         | 49.4       | 80         | 53.7       | 80         | 73.6       | 81         | 43.0 | 81   | 59.3 | 81   | 49.2 |      |        |                         | 25   |      |      |      |      |     |
| 30                      | 76                                                                                                                                       | 45.9       | 76         | 83.8       | 76         | 61.9       | 78         | 47.2       | 78         | 50.1       | 78         | 73.3       | 80         | 43.0 | 80   | 59.3 | 80   | 49.2 | 81   | 38.8   | 81                      | 47.6 | 82   | 37.5 |      | 30   |     |
| 35                      | 74                                                                                                                                       | 41.4       | 74         | 75.3       | 74         | 56.8       | 76         | 42.8       | 76         | 45.9       | 76         | 68.3       | 78         | 42.0 | 78   | 58.0 | 78   | 48.1 | 79   | 38.8   | 79                      | 47.0 | 80   | 37.5 | 81   | 30.9 | 35  |
| 40                      | 72                                                                                                                                       | 37.5       | 72         | 68.0       | 72         | 52.4       | 74         | 39.1       | 74         | 42.2       | 74         | 61.7       | 76         | 39.5 | 76   | 54.9 | 76   | 45.9 | 78   | 38.6   | 78                      | 45.7 | 79   | 37.4 | 80   | 30.9 | 40  |
| 45                      | 69                                                                                                                                       | 34.1       | 69         | 62.0       | 69         | 48.6       | 71         | 36.1       | 71         | 39.1       | 71         | 56.5       | 74         | 36.7 | 74   | 51.2 | 74   | 42.7 | 75   | 36.9   | 75                      | 42.9 | 77   | 36.3 | 78   | 30.9 | 45  |
| 50                      | 66                                                                                                                                       | 31.3       | 66         | 56.7       | 66         | 45.4       | 69         | 33.3       | 69         | 36.5       | 69         | 51.9       | 72         | 34.1 | 72   | 47.9 | 72   | 39.8 | 74   | 34.7   | 74                      | 40.1 | 76   | 34.4 | 77   | 30.9 | 50  |
| 55                      | 64                                                                                                                                       | 28.9       | 64         | 52.2       | 64         | 42.5       | 67         | 30.9       | 67         | 34.2       | 67         | 47.8       | 70         | 31.8 | 70   | 44.6 | 70   | 37.2 | 72   | 32.5   | 72                      | 37.7 | 74   | 32.4 | 75   | 30.0 | 55  |
| 60                      | 61                                                                                                                                       | 26.8       | 61         | 48.1       | 61         | 39.9       | 65         | 28.8       | 65         | 32.1       | 65         | 44.2       | 68         | 29.9 | 68   | 41.3 | 68   | 34.9 | 71   | 30.5   | 71                      | 35.6 | 73   | 30.5 | 74   | 28.4 | 60  |
| 65                      | 58                                                                                                                                       | 24.9       | 58         | 43.7       | 58         | 37.7       | 62         | 26.9       | 62         | 30.2       | 62         | 41.0       | 66         | 28.0 | 66   | 38.5 | 66   | 32.9 | 68   | 28.9   | 68                      | 33.5 | 70   | 28.9 | 72   | 27.1 | 65  |
| 70                      | 56                                                                                                                                       | 23.4       | 56         | 38.8       | 56         | 35.9       | 60         | 25.2       | 60         | 28.5       | 60         | 37.9       | 64         | 26.5 | 64   | 35.9 | 64   | 31.2 | 67   | 27.3   | 67                      | 31.8 | 69   | 27.5 | 71   | 25.7 | 70  |
| 75                      | 53                                                                                                                                       | 21.9       | 53         | 34.3       | 53         | 34.1       | 58         | 23.7       | 58         | 27.0       | 58         | 34.3       | 62         | 24.9 | 62   | 33.5 | 62   | 29.6 | 65   | 25.9   | 65                      | 30.2 | 67   | 26.1 | 69   | 24.5 | 75  |
| 80                      | 50                                                                                                                                       | 20.4       | 50         | 30.5       | 50         | 32.3       | 55         | 22.4       | 55         | 25.7       | 55         | 30.5       | 59         | 23.5 | 59   | 30.9 | 59   | 28.1 | 63   | 24.6   | 63                      | 28.8 | 66   | 24.9 | 68   | 23.3 | 80  |
| 85                      | 47                                                                                                                                       | 19.3       | 47         | 27.3       | 47         | 29.9       | 53         | 21.2       | 53         | 24.5       | 53         | 27.1       | 57         | 22.3 | 57   | 27.8 | 57   | 26.5 | 61   | 23.4   | 61                      | 27.4 | 64   | 23.9 | 66   | 21.9 | 85  |
| 90                      | 43                                                                                                                                       | 18.2       | 43         | 24.4       | 43         | 27.2       | 50         | 20.1       | 50         | 23.4       | 50         | 24.4       | 55         | 21.3 | 55   | 24.9 | 55   | 25.4 | 59   | 22.3   | 59                      | 25.4 | 62   | 22.7 | 65   | 20.4 | 90  |
| 95                      | 40                                                                                                                                       | 17.3       | 40         | 21.8       | 40         | 24.8       | 47         | 19.1       | 47         | 22.4       | 47         | 21.8       | 53         | 20.3 | 53   | 22.3 | 53   | 23.9 | 57   | 21.3   | 57                      | 23.2 | 60   | 21.6 | 63   | 19.1 | 95  |
| 100                     | 36                                                                                                                                       | 16.5       | 36         | 19.4       | 36         | 22.6       | 44         | 18.3       | 44         | 21.6       | 44         | 19.4       | 50         | 19.4 | 50   | 20.0 | 50   | 22.0 | 54   | 20.4   | 54                      | 20.9 | 58   | 20.6 | 61   | 17.9 | 100 |
| 110                     | 27                                                                                                                                       | 15.0       | 27         | 15.6       | 27         | 18.9       | 38         | 16.6       | 38         | 19.4       | 38         | 15.5       | 45         | 17.7 | 45   | 16.0 | 45   | 18.2 | 50   | 16.9   | 50                      | 17.9 | 54   | 17.9 | 57   | 15.7 | 110 |
| 120                     |                                                                                                                                          |            |            |            |            |            | 29         | 15.2       | 29         | 16.4       | 29         | 12.3       | 39         | 16.2 | 39   | 12.9 | 39   | 14.9 | 45   | 16.0   | 45                      | 13.8 | 50   | 14.8 | 53   | 14.0 | 120 |
| 130                     |                                                                                                                                          |            |            |            |            | 18         | 14.2       | 18         | 13.7       | 18         | 9.8        | 32         | 14.4       | 32   | 10.3 | 32   | 12.4 | 40   | 13.3 | 40     | 11.3                    | 46   | 12.2 | 50   | 12.2 | 130  |     |
| 140                     |                                                                                                                                          |            |            |            |            |            |            |            |            |            |            | 23         | 12.1       | 23   | 8.2  | 23   | 10.1 | 34   | 11.2 | 34     | 9.0                     | 41   | 10.0 | 45   | 10.0 | 140  |     |
| 150                     |                                                                                                                                          |            |            |            |            |            |            |            |            |            |            |            |            |      |      |      |      | 27   | 9.4  | 27     | 7.0                     | 36   | 8.1  | 40   | 8.1  | 150  |     |
| 160                     |                                                                                                                                          |            |            |            |            |            |            |            |            |            |            |            |            |      |      |      |      |      | 16   | 7.4    | 16                      | 5.3  | 29   | 6.4  | 35   | 6.7  | 160 |
| 170                     |                                                                                                                                          |            |            |            |            |            |            |            |            |            |            |            |            |      |      |      |      |      |      |        |                         | 21   | 5.1  | 29   | 5.2  | 170  |     |
| 180                     |                                                                                                                                          |            |            |            |            |            |            |            |            |            |            |            |            |      |      |      |      |      |      |        |                         |      |      | 21   | 3.8  | 180  |     |
| 190                     |                                                                                                                                          |            |            |            |            |            |            |            |            |            |            |            |            |      |      |      |      |      |      |        |                         |      |      |      |      | 190  |     |
| Telescoping sequence %  |                                                                                                                                          |            |            |            |            |            |            |            |            |            |            |            |            |      |      |      |      |      |      |        |                         |      |      |      |      |      |     |
| Tel. 1                  | 0                                                                                                                                        | 93         | 46         | 0          | 46         | 93         | 0          | 93         | 46         | 93         | 46         | 93         | 46         | 93   | 46   | 93   | 46   | 93   | 100  | Tel. 1 |                         |      |      |      |      |      |     |
| Tel. 2                  | 0                                                                                                                                        | 46         | 46         | 46         | 46         | 93         | 93         | 93         | 93         | 93         | 93         | 93         | 93         | 93   | 93   | 93   | 93   | 93   | 100  | Tel. 2 |                         |      |      |      |      |      |     |
| Tel. 3                  | 93                                                                                                                                       | 46         | 46         | 93         | 46         | 46         | 93         | 93         | 93         | 93         | 93         | 93         | 93         | 93   | 93   | 93   | 93   | 93   | 100  | Tel. 3 |                         |      |      |      |      |      |     |
| Tel. 4                  | 93                                                                                                                                       | 46         | 46         | 93         | 93         | 93         | 46         | 93         | 46         | 93         | 93         | 93         | 93         | 93   | 93   | 93   | 93   | 93   | 100  | Tel. 4 |                         |      |      |      |      |      |     |
| Tel. 5                  | 93                                                                                                                                       | 46         | 93         | 93         | 93         | 46         | 93         | 46         | 93         | 46         | 93         | 46         | 93         | 46   | 93   | 46   | 93   | 93   | 100  | Tel. 5 |                         |      |      |      |      |      |     |

## Counterweight 55,115 lbs

| Work.<br>Radius<br>(ft) |    | Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom<br>On outriggers, 360° working area<br>Outrigger base 27.23 ft |      |      |      |      |      |      |      |      |      |       |       |       |       |       |       |  |  |  |  |  |  |  |  |  |  |  |  | Work.<br>Radius<br>(ft) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|                         |    | Boom length (ft)                                                                                                                         |      |      |      |      |      |      |      |      |      |       |       |       |       |       |       |  |  |  |  |  |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                         |    | °                                                                                                                                        |      |      |      |      |      |      |      |      |      |       |       |       |       |       |       |  |  |  |  |  |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                         |    | 43.3                                                                                                                                     | 57.7 | 57.7 | 71.9 | 71.9 | 71.9 | 71.9 | 83.3 | 86.3 | 86.3 | 100.4 | 100.4 | 100.4 | 114.8 | 114.8 | 114.8 |  |  |  |  |  |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                         | 1) |                                                                                                                                          |      |      |      |      |      |      |      |      |      |       |       |       |       |       |       |  |  |  |  |  |  |  |  |  |  |  |  |                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1) Over rear with superstructure pin engaged

\*With additional lifting equipment.

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine

## Counterweight 28,660 lbs

| Work.<br>Radius<br>(ft) |    | Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom<br>On outriggers, 360° working area<br>Outrigger base 27.23 ft |        |      |       |      |        |      |      |      |       |       |        |       |       |       |       |    |       |    |       |    |      |    |       |    |       |    |      | Work.<br>Radius<br>(ft) |      |    |        |        |
|-------------------------|----|------------------------------------------------------------------------------------------------------------------------------------------|--------|------|-------|------|--------|------|------|------|-------|-------|--------|-------|-------|-------|-------|----|-------|----|-------|----|------|----|-------|----|-------|----|------|-------------------------|------|----|--------|--------|
|                         |    |                                                                                                                                          |        |      |       |      |        |      |      |      |       |       |        |       |       |       |       |    |       |    |       |    |      |    |       |    |       |    |      |                         |      |    |        |        |
|                         |    | Boom length (ft)                                                                                                                         |        |      |       |      |        |      |      |      |       |       |        |       |       |       |       |    |       |    |       |    |      |    |       |    |       |    |      |                         |      |    |        |        |
|                         |    | 43.3                                                                                                                                     | 57.7   | 57.7 | 71.9  | 71.9 | 71.9   | 71.9 | 83.3 | 86.3 | 86.3  | 100.4 | 100.4  | 100.4 | 114.8 | 114.8 | 114.8 |    |       |    |       |    |      |    |       |    |       |    |      |                         |      |    |        |        |
| °                       | °  | °                                                                                                                                        | °      | °    | °     | °    | °      | °    | °    | °    | °     | °     | °      | °     | °     | °     |       |    |       |    |       |    |      |    |       |    |       |    |      |                         |      |    |        |        |
| 1)                      |    |                                                                                                                                          |        |      |       |      |        |      |      |      |       |       |        |       |       |       |       |    |       |    |       |    |      |    |       |    |       |    |      |                         |      |    |        |        |
| 9                       | 71 | 400.0*                                                                                                                                   |        |      |       |      |        |      |      |      |       |       |        |       |       |       |       |    |       |    |       |    |      |    |       |    |       |    |      |                         |      | 9  |        |        |
| 10                      | 70 | 348.0*                                                                                                                                   | 306.0* | 76   | 117.0 | 76   | 264.5* | 79   | 85.5 | 79   | 120.5 | 79    | 255.0* | 79    | 223.0 | 81    | 88.9  | 81 | 116.5 | 81 | 196.5 |    |      |    |       |    |       |    |      |                         |      |    | 10     |        |
| 12                      | 67 | 293.5*                                                                                                                                   | 276.5* | 73   | 110.0 | 73   | 264.5* | 77   | 79.7 | 77   | 118.5 | 77    | 255.0* | 77    | 223.0 | 80    | 83.6  | 80 | 116.5 | 80 | 196.5 | 82 | 73.0 | 82 | 109.5 | 82 | 162.5 |    |      |                         |      |    | 12     |        |
| 14                      | 64 | 252.0*                                                                                                                                   | 249.0* | 71   | 104.0 | 71   | 250.0* | 75   | 74.6 | 75   | 113.0 | 75    | 245.0* | 75    | 222.0 | 78    | 78.9  | 78 | 116.5 | 78 | 196.5 | 80 | 68.1 | 80 | 109.5 | 80 | 156.0 |    |      |                         |      |    | 14     |        |
| 16                      | 61 | 220.0                                                                                                                                    | 220.0  | 69   | 98.5  | 69   | 220.0  | 73   | 69.9 | 73   | 107.5 | 73    | 218.5  | 73    | 212.5 | 77    | 74.3  | 77 | 113.5 | 77 | 196.5 | 79 | 63.7 | 79 | 109.5 | 79 | 145.5 | 81 | 65.0 | 81                      | 99.5 | 81 | 121.5  | 16     |
| 18                      | 58 | 196.5                                                                                                                                    | 196.5  | 67   | 93.7  | 67   | 196.0  | 72   | 65.9 | 72   | 102.5 | 72    | 195.0  | 72    | 195.0 | 76    | 70.2  | 76 | 109.0 | 76 | 187.0 | 78 | 60.0 | 78 | 109.5 | 78 | 136.5 | 80 | 61.5 | 80                      | 99.5 | 80 | 119.5  | 18     |
| 20                      | 54 | 175.5                                                                                                                                    | 175.5  | 65   | 89.1  | 65   | 175.0  | 71   | 62.1 | 71   | 98.3  | 71    | 173.5  | 71    | 176.5 | 74    | 66.2  | 74 | 104.5 | 74 | 174.0 | 77 | 56.6 | 77 | 109.0 | 77 | 128.0 | 79 | 58.2 | 79                      | 99.5 | 79 | 117.0  | 20     |
| 25                      | 45 | 134.5                                                                                                                                    | 134.5  | 59   | 79.7  | 59   | 134.0  | 66   | 54.6 | 66   | 87.4  | 66    | 128.5  | 66    | 132.5 | 71    | 58.1  | 71 | 95.2  | 71 | 128.0 | 74 | 49.4 | 74 | 100.0 | 74 | 111.0 | 76 | 51.6 | 76                      | 99.5 | 76 | 102.0  | 25     |
| 30                      | 32 | 96.0                                                                                                                                     | 96.0   | 52   | 72.1  | 52   | 95.8   | 62   | 48.5 | 62   | 77.7  | 62    | 94.0   | 62    | 98.2  | 67    | 51.5  | 67 | 86.1  | 67 | 96.4  | 71 | 43.8 | 71 | 91.8  | 71 | 89.0  | 74 | 46.1 | 74                      | 94.5 | 74 | 89.1   | 30     |
| 35                      |    |                                                                                                                                          |        | 45   | 66.2  | 45   | 71.2   | 56   | 43.7 | 56   | 70.2  | 56    | 69.4   | 56    | 73.5  | 63    | 46.2  | 63 | 74.9  | 63 | 71.6  | 68 | 39.2 | 68 | 77.9  | 68 | 65.5  | 71 | 41.7 | 71                      | 77.1 | 71 | 71.5   | 35     |
| 40                      |    |                                                                                                                                          |        | 37   | 57.1  | 37   | 55.2   | 51   | 39.7 | 51   | 59.9  | 51    | 53.5   | 51    | 57.4  | 59    | 41.9  | 59 | 60.4  | 59 | 55.7  | 65 | 35.5 | 65 | 62.7  | 65 | 50.3  | 69 | 38.0 | 69                      | 60.7 | 69 | 56.3   | 40     |
| 45                      |    |                                                                                                                                          |        | 26   | 48.2  | 26   | 43.8   | 45   | 36.5 | 45   | 50.9  | 45    | 42.2   | 45    | 45.8  | 55    | 38.4  | 55 | 51.3  | 55 | 44.2  | 62 | 32.3 | 62 | 50.9  | 62 | 41.9  | 66 | 35.0 | 66                      | 49.1 | 66 | 44.9   | 45     |
| 50                      |    |                                                                                                                                          |        |      |       |      |        | 39   | 33.9 | 39   | 42.6  | 39    | 34.1   | 39    | 37.4  | 50    | 35.4  | 50 | 43.0  | 50 | 36.0  | 58 | 29.7 | 58 | 42.3  | 58 | 34.3  | 63 | 32.3 | 63                      | 40.5 | 63 | 36.6   | 50     |
| 55                      |    |                                                                                                                                          |        |      |       |      |        | 31   | 31.6 | 31   | 35.8  | 31    | 27.5   | 31    | 30.8  | 46    | 32.8  | 46 | 36.2  | 46 | 29.3  | 54 | 27.4 | 54 | 35.5  | 54 | 27.8  | 59 | 30.0 | 59                      | 33.8 | 59 | 30.1   | 55     |
| 60                      |    |                                                                                                                                          |        |      |       |      |        | 22   | 29.6 | 22   | 30.3  | 22    | 21.6   | 22    | 25.4  | 41    | 30.4  | 41 | 30.9  | 41 | 23.9  | 50 | 25.5 | 50 | 30.1  | 50 | 22.3  | 56 | 27.9 | 56                      | 28.5 | 56 | 24.7   | 60     |
| 65                      |    |                                                                                                                                          |        |      |       |      |        |      |      |      |       |       |        |       |       | 35    | 27.9  | 35 | 26.6  | 35 | 19.7  | 46 | 23.8 | 46 | 25.9  | 46 | 18.0  | 53 | 26.2 | 53                      | 24.3 | 53 | 20.2   | 65     |
| 70                      |    |                                                                                                                                          |        |      |       |      |        |      |      |      |       |       |        |       |       | 27    | 24.8  | 27 | 23.1  | 27 | 16.2  | 42 | 22.3 | 42 | 22.4  | 42 | 14.5  | 50 | 24.4 | 50                      | 20.7 | 50 | 16.7   | 70     |
| 75                      |    |                                                                                                                                          |        |      |       |      |        |      |      |      |       |       |        |       |       | 20    | 21.6  | 20 | 19.7  | 20 | 12.9  | 37 | 20.6 | 37 | 19.3  | 37 | 11.6  | 47 | 22.3 | 47                      | 17.6 | 47 | 13.8   | 75     |
| 80                      |    |                                                                                                                                          |        |      |       |      |        |      |      |      |       |       |        |       |       | 31    | 18.8  | 31 | 16.6  | 31 | 9.1   | 43 | 19.3 | 43 | 14.9  | 43 | 11.4  | 43 | 19.3 | 43                      | 14.9 | 43 | 11.4   | 80     |
| 85                      |    |                                                                                                                                          |        |      |       |      |        |      |      |      |       |       |        |       |       | 24    | 17.3  | 24 | 14.5  | 24 | 7.0   | 39 | 17.6 | 39 | 12.7  | 39 | 9.2   | 39 | 17.6 | 39                      | 12.7 | 39 | 9.2    | 85     |
| 90                      |    |                                                                                                                                          |        |      |       |      |        |      |      |      |       |       |        |       |       | 18    | 15.8  | 18 | 12.3  | 18 | 4.8   | 34 | 15.7 | 34 | 10.8  | 34 | 7.3   | 34 | 15.7 | 34                      | 10.8 | 34 | 7.3    | 90     |
| 95                      |    |                                                                                                                                          |        |      |       |      |        |      |      |      |       |       |        |       |       |       |       |    |       |    |       |    |      |    |       |    |       |    |      |                         |      |    |        | 95     |
| 100                     |    |                                                                                                                                          |        |      |       |      |        |      |      |      |       |       |        |       |       |       |       |    |       |    |       |    |      |    |       |    |       |    |      |                         |      |    |        | 100    |
| 110                     |    |                                                                                                                                          |        |      |       |      |        |      |      |      |       |       |        |       |       |       |       |    |       |    |       |    |      |    |       |    |       |    |      |                         |      |    |        | 110    |
| 120                     |    |                                                                                                                                          |        |      |       |      |        |      |      |      |       |       |        |       |       |       |       |    |       |    |       |    |      |    |       |    |       |    |      |                         |      |    |        | 120    |
| 130                     |    |                                                                                                                                          |        |      |       |      |        |      |      |      |       |       |        |       |       |       |       |    |       |    |       |    |      |    |       |    |       |    |      |                         |      |    |        | 130    |
| 140                     |    |                                                                                                                                          |        |      |       |      |        |      |      |      |       |       |        |       |       |       |       |    |       |    |       |    |      |    |       |    |       |    |      |                         |      |    |        | 140    |
| 150                     |    |                                                                                                                                          |        |      |       |      |        |      |      |      |       |       |        |       |       |       |       |    |       |    |       |    |      |    |       |    |       |    |      |                         |      |    |        | 150    |
| Telescoping sequence %  |    |                                                                                                                                          |        |      |       |      |        |      |      |      |       |       |        |       |       |       |       |    |       |    |       |    |      |    |       |    |       |    |      |                         |      |    |        |        |
| Tel. 1                  |    | 0                                                                                                                                        |        | 0    |       | 0    |        | 0    |      | 0    |       | 46    |        | 0     |       | 0     |       | 0  |       | 46 |       | 0  |      | 0  |       | 93 |       | 0  |      | 46                      |      | 93 | Tel. 1 |        |
| Tel. 2                  |    | 0                                                                                                                                        |        | 0    |       | 46   |        | 0    |      | 0    |       | 46    |        | 46    |       | 0     |       | 46 |       | 46 |       | 0  |      | 46 |       | 46 |       | 0  |      | 46                      |      | 46 | Tel. 2 |        |
| Tel. 3                  |    | 0                                                                                                                                        |        | 0    |       | 0    |        | 0    |      | 0    |       | 0     |        | 46    |       | 0     |       | 46 |       | 46 |       | 0  |      | 46 |       | 46 |       | 46 |      | 46                      |      | 46 | Tel. 3 |        |
| Tel. 4                  |    | 0                                                                                                                                        |        | 0    |       | 0    |        | 0    |      | 46   |       | 0     |        | 0     |       | 46    |       | 46 |       | 46 |       | 0  |      | 93 |       | 46 |       | 0  |      | 93                      |      | 46 | Tel. 4 |        |
| Tel. 5                  |    | 0                                                                                                                                        |        | 46   |       | 0    |        | 93   |      | 46   |       | 0     |        | 0     |       | 93    |       | 46 |       | 46 |       | 0  |      | 93 |       | 46 |       | 0  |      | 93                      |      | 46 | 0      | Tel. 5 |

## Counterweight 55,115 lbs

| Work.<br>Radius<br>(ft) | Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom<br>On outriggers, 360° working area<br><b>Outrigger base 27.23 ft</b> |            |            |            |            |            |            |            |            |            |            |            |            |        |     |      |     |  | Work.<br>Radius<br>(ft) |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------|-----|------|-----|--|-------------------------|
|                         | Boom length (ft)                                                                                                                                |            |            |            |            |            |            |            |            |            |            |            |            |        |     |      |     |  |                         |
|                         | 128.9<br>°                                                                                                                                      | 128.9<br>° | 128.9<br>° | 143.4<br>° | 143.4<br>° | 143.3<br>° | 157.5<br>° | 157.5<br>° | 157.5<br>° | 171.9<br>° | 171.9<br>° | 186.0<br>° | 196.9<br>° |        |     |      |     |  |                         |
| 9                       |                                                                                                                                                 |            |            |            |            |            |            |            |            |            |            |            |            |        |     |      | 9   |  |                         |
| 10                      |                                                                                                                                                 |            |            |            |            |            |            |            |            |            |            |            |            |        |     |      | 10  |  |                         |
| 12                      |                                                                                                                                                 |            |            |            |            |            |            |            |            |            |            |            |            |        |     |      | 12  |  |                         |
| 14                      |                                                                                                                                                 |            |            |            |            |            |            |            |            |            |            |            |            |        |     |      | 14  |  |                         |
| 16                      |                                                                                                                                                 |            |            |            |            |            |            |            |            |            |            |            |            |        |     |      | 16  |  |                         |
| 18                      |                                                                                                                                                 |            |            |            |            |            |            |            |            |            |            |            |            |        |     |      | 18  |  |                         |
| 20                      | 81                                                                                                                                              | 57.2       | 81         | 91.3       | 81         | 71.0       | 82         | 49.4       | 82         | 54.0       | 82         | 73.6       |            |        |     |      | 20  |  |                         |
| 25                      | 78                                                                                                                                              | 51.6       | 78         | 91.3       | 78         | 68.0       | 80         | 49.4       | 80         | 53.7       | 80         | 73.6       | 81         | 43.0   | 81  | 59.3 | 25  |  |                         |
| 30                      | 76                                                                                                                                              | 45.9       | 76         | 83.8       | 76         | 61.9       | 78         | 47.2       | 78         | 50.1       | 78         | 73.3       | 80         | 43.0   | 80  | 59.3 | 30  |  |                         |
| 35                      | 74                                                                                                                                              | 41.4       | 74         | 75.3       | 74         | 56.8       | 76         | 42.8       | 76         | 45.9       | 76         | 68.3       | 78         | 42.0   | 78  | 58.0 | 35  |  |                         |
| 40                      | 72                                                                                                                                              | 37.5       | 72         | 67.8       | 72         | 52.4       | 74         | 39.1       | 74         | 42.2       | 74         | 61.7       | 76         | 39.5   | 76  | 54.9 | 40  |  |                         |
| 45                      | 69                                                                                                                                              | 34.1       | 69         | 59.7       | 69         | 48.6       | 71         | 36.1       | 71         | 39.1       | 71         | 56.5       | 74         | 36.7   | 74  | 51.2 | 45  |  |                         |
| 50                      | 66                                                                                                                                              | 31.3       | 66         | 51.8       | 66         | 45.4       | 69         | 33.3       | 69         | 36.5       | 69         | 49.4       | 72         | 34.1   | 72  | 47.9 | 50  |  |                         |
| 55                      | 64                                                                                                                                              | 28.9       | 64         | 44.7       | 64         | 42.4       | 67         | 30.9       | 67         | 34.2       | 67         | 42.8       | 70         | 31.8   | 70  | 42.8 | 55  |  |                         |
| 60                      | 61                                                                                                                                              | 26.8       | 61         | 38.7       | 61         | 39.5       | 65         | 28.8       | 65         | 32.1       | 65         | 37.3       | 68         | 29.9   | 68  | 36.3 | 60  |  |                         |
| 65                      | 58                                                                                                                                              | 24.9       | 58         | 33.3       | 58         | 36.1       | 62         | 26.9       | 62         | 30.2       | 62         | 33.1       | 66         | 28.0   | 66  | 31.1 | 65  |  |                         |
| 70                      | 56                                                                                                                                              | 23.4       | 56         | 29.1       | 56         | 32.2       | 60         | 25.2       | 60         | 28.5       | 60         | 28.9       | 64         | 26.5   | 64  | 27.8 | 70  |  |                         |
| 75                      | 53                                                                                                                                              | 21.9       | 53         | 25.3       | 53         | 28.5       | 58         | 23.7       | 58         | 26.7       | 58         | 25.1       | 62         | 24.9   | 62  | 24.7 | 75  |  |                         |
| 80                      | 50                                                                                                                                              | 20.4       | 50         | 22.0       | 50         | 25.3       | 55         | 22.4       | 55         | 24.8       | 55         | 21.8       | 59         | 23.5   | 59  | 21.9 | 80  |  |                         |
| 85                      | 47                                                                                                                                              | 19.3       | 47         | 19.3       | 47         | 22.4       | 53         | 21.2       | 53         | 22.8       | 53         | 19.1       | 57         | 22.3   | 57  | 19.5 | 85  |  |                         |
| 90                      | 43                                                                                                                                              | 18.2       | 43         | 17.0       | 43         | 20.1       | 50         | 20.1       | 50         | 20.8       | 50         | 16.7       | 55         | 20.7   | 55  | 17.3 | 90  |  |                         |
| 95                      | 40                                                                                                                                              | 17.3       | 40         | 14.8       | 40         | 17.9       | 47         | 18.8       | 47         | 18.8       | 47         | 14.7       | 53         | 18.9   | 53  | 15.3 | 95  |  |                         |
| 100                     | 36                                                                                                                                              | 16.4       | 36         | 12.9       | 36         | 16.0       | 44         | 17.5       | 44         | 16.8       | 44         | 12.9       | 50         | 17.2   | 50  | 13.3 | 100 |  |                         |
| 110                     | 27                                                                                                                                              | 14.3       | 27         | 9.7        | 27         | 12.8       | 38         | 15.0       | 38         | 13.5       | 38         | 9.5        | 45         | 14.4   | 45  | 9.9  | 110 |  |                         |
| 120                     |                                                                                                                                                 |            |            |            |            | 29         | 12.4       | 29         | 11.0       | 29         | 6.8        | 39         | 11.5       | 39     | 7.3 | 39   | 120 |  |                         |
| 130                     |                                                                                                                                                 |            |            |            |            | 18         | 10.2       | 18         | 8.8        | 18         | 4.8        | 32         | 9.3        | 32     | 5.3 | 32   | 130 |  |                         |
| 140                     |                                                                                                                                                 |            |            |            |            |            |            |            |            |            |            | 23         | 7.4        | 23     | 3.5 | 23   | 140 |  |                         |
| 150                     |                                                                                                                                                 |            |            |            |            |            |            |            |            |            |            |            |            |        |     | 27   | 150 |  |                         |
| 160                     |                                                                                                                                                 |            |            |            |            |            |            |            |            |            |            |            |            |        |     | 16   | 160 |  |                         |
| Telescoping sequence %  |                                                                                                                                                 |            |            |            |            |            |            |            |            |            |            |            |            |        |     |      |     |  |                         |
| Tel. 1                  | 0                                                                                                                                               | 93         | 46         | 0          | 46         | 93         | 0          | 93         | 46         | 46         | 93         | 93         | 100        | Tel. 1 |     |      |     |  |                         |
| Tel. 2                  | 0                                                                                                                                               | 46         | 46         | 46         | 46         | 93         | 93         | 93         | 93         | 93         | 93         | 93         | 100        | Tel. 2 |     |      |     |  |                         |
| Tel. 3                  | 93                                                                                                                                              | 46         | 46         | 93         | 46         | 46         | 93         | 93         | 93         | 93         | 93         | 93         | 100        | Tel. 3 |     |      |     |  |                         |
| Tel. 4                  | 93                                                                                                                                              | 46         | 46         | 93         | 93         | 46         | 93         | 46         | 93         | 93         | 93         | 93         | 100        | Tel. 4 |     |      |     |  |                         |
| Tel. 5                  | 93                                                                                                                                              | 46         | 93         | 93         | 93         | 46         | 93         | 46         | 46         | 93         | 46         | 93         | 100        | Tel. 5 |     |      |     |  |                         |

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

## Counterweight 28,660 lbs

| Work.<br>Radius<br>(ft) | Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom<br>On outriggers, 360° working area<br><b>Outrigger base 27.23 ft</b> |            |            |            |            |            |            |            |            |            |            |            |            |      |    | Work.<br>Radius<br>(ft) |     |      |     |      |     |      |     |      |     |        |     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------|----|-------------------------|-----|------|-----|------|-----|------|-----|------|-----|--------|-----|
|                         | Boom length (ft)                                                                                                                                |            |            |            |            |            |            |            |            |            |            |            |            |      |    |                         |     |      |     |      |     |      |     |      |     |        |     |
|                         | 128.9<br>°                                                                                                                                      | 128.9<br>° | 128.9<br>° | 143.4<br>° | 143.4<br>° | 143.3<br>° | 157.5<br>° | 157.5<br>° | 157.5<br>° | 171.9<br>° | 171.9<br>° | 186.0<br>° | 196.9<br>° |      |    |                         |     |      |     |      |     |      |     |      |     |        |     |
| 9                       |                                                                                                                                                 |            |            |            |            |            |            |            |            |            |            |            |            |      |    | 9                       |     |      |     |      |     |      |     |      |     |        |     |
| 10                      |                                                                                                                                                 |            |            |            |            |            |            |            |            |            |            |            |            |      |    | 10                      |     |      |     |      |     |      |     |      |     |        |     |
| 12                      |                                                                                                                                                 |            |            |            |            |            |            |            |            |            |            |            |            |      |    | 12                      |     |      |     |      |     |      |     |      |     |        |     |
| 14                      |                                                                                                                                                 |            |            |            |            |            |            |            |            |            |            |            |            |      |    | 14                      |     |      |     |      |     |      |     |      |     |        |     |
| 16                      |                                                                                                                                                 |            |            |            |            |            |            |            |            |            |            |            |            |      |    | 16                      |     |      |     |      |     |      |     |      |     |        |     |
| 18                      |                                                                                                                                                 |            |            |            |            |            |            |            |            |            |            |            |            |      |    | 18                      |     |      |     |      |     |      |     |      |     |        |     |
| 20                      | 81                                                                                                                                              | 57.2       | 81         | 91.3       | 81         | 71.0       | 82         | 49.4       | 82         | 54.0       | 82         | 73.6       |            |      |    | 20                      |     |      |     |      |     |      |     |      |     |        |     |
| 25                      | 78                                                                                                                                              | 51.6       | 78         | 91.3       | 78         | 68.0       | 80         | 49.4       | 80         | 53.7       | 80         | 73.6       | 81         | 43.0 | 81 | 59.3                    | 80  | 49.2 | 81  | 38.8 | 81  | 47.6 | 82  | 37.5 |     |        | 25  |
| 30                      | 76                                                                                                                                              | 45.9       | 76         | 83.8       | 76         | 61.9       | 78         | 47.2       | 78         | 50.1       | 78         | 73.3       | 80         | 43.0 | 80 | 59.3                    | 80  | 49.2 | 81  | 38.8 | 81  | 47.6 | 82  | 37.5 |     |        | 30  |
| 35                      | 74                                                                                                                                              | 41.4       | 74         | 70.6       | 74         | 56.8       | 76         | 42.8       | 76         | 45.9       | 76         | 68.0       | 78         | 42.0 | 78 | 58.0                    | 78  | 48.1 | 79  | 38.8 | 79  | 47.0 | 80  | 37.5 | 81  | 30.9   | 35  |
| 40                      | 72                                                                                                                                              | 37.5       | 72         | 55.6       | 72         | 52.2       | 74         | 39.1       | 74         | 42.2       | 74         | 55.3       | 76         | 39.5 | 76 | 54.4                    | 76  | 45.9 | 78  | 38.6 | 78  | 45.7 | 79  | 37.4 | 80  | 30.9   | 40  |
| 45                      | 69                                                                                                                                              | 34.1       | 69         | 46.8       | 69         | 46.9       | 71         | 36.1       | 71         | 39.1       | 71         | 46.6       | 74         | 36.7 | 74 | 47.0                    | 74  | 42.7 | 75  | 36.9 | 75  | 42.9 | 77  | 36.3 | 78  | 30.9   | 45  |
| 50                      | 66                                                                                                                                              | 31.3       | 66         | 38.8       | 66         | 41.2       | 69         | 33.3       | 69         | 36.5       | 69         | 38.7       | 72         | 34.1 | 72 | 39.2                    | 72  | 37.7 | 74  | 34.7 | 74  | 37.0 | 76  | 34.4 | 77  | 30.9   | 50  |
| 55                      | 64                                                                                                                                              | 28.9       | 64         | 32.1       | 64         | 35.6       | 67         | 30.9       | 67         | 34.0       | 67         | 32.1       | 70         | 31.8 | 70 | 32.5                    | 70  | 32.7 | 72  | 31.8 | 72  | 31.5 | 74  | 31.2 | 75  | 29.8   | 55  |
| 60                      | 61                                                                                                                                              | 26.8       | 61         | 26.8       | 61         | 30.3       | 65         | 28.8       | 65         | 31.1       | 65         | 26.7       | 68         | 29.6 | 68 | 27.2                    | 68  | 28.2 | 71  | 28.5 | 71  | 27.1 | 73  | 27.2 | 74  | 27.4   | 60  |
| 65                      | 58                                                                                                                                              | 24.9       | 58         | 22.6       | 58         | 25.9       | 62         | 26.9       | 62         | 26.4       | 62         | 22.4       | 66         | 26.6 | 66 | 23.0                    | 66  | 24.3 | 68  | 25.5 | 68  | 23.4 | 70  | 24.0 | 72  | 24.4   | 65  |
| 70                      | 56                                                                                                                                              | 22.9       | 56         | 19.0       | 56         | 22.4       | 60         | 23.9       | 60         | 23.1       | 60         | 18.9       | 64         | 23.7 | 64 | 19.4                    | 64  | 21.5 | 67  | 22.6 | 67  | 20.3 | 69  | 20.9 | 71  | 21.4   | 70  |
| 75                      | 53                                                                                                                                              | 20.8       | 53         | 15.9       | 53         | 19.3       | 58         | 21.3       | 58         | 20.3       | 58         | 15.9       | 62         | 21.0 | 62 | 16.3                    | 62  | 18.8 | 65  | 19.9 | 65  | 17.3 | 67  | 18.3 | 69  | 18.6   | 75  |
| 80                      | 50                                                                                                                                              | 18.8       | 50         | 13.3       | 50         | 16.6       | 55         | 19.2       | 55         | 17.7       | 55         | 13.3       | 59         | 18.4 | 59 | 13.8                    | 59  | 16.2 | 63  | 17.3 | 63  | 14.7 | 66  | 16.0 | 68  | 16.2   | 80  |
| 85                      | 47                                                                                                                                              | 17.3       | 47         | 11.2       | 47         | 14.5       | 53         | 16.9       | 53         | 15.4       | 53         | 11.2       | 57         | 16.0 | 57 | 11.6                    | 57  | 14.0 | 61  | 14.9 | 61  | 12.5 | 64  | 13.8 | 66  | 13.8   | 85  |
| 90                      | 43                                                                                                                                              | 15.3       | 43         | 9.3        | 43         | 12.6       | 50         | 15.0       | 50         | 13.3       | 50         | 9.3        | 55         | 14.1 | 55 | 9.7                     | 55  | 12.0 | 59  | 13.0 | 59  | 10.6 | 62  | 11.9 | 65  | 11.9   | 90  |
| 95                      | 40                                                                                                                                              | 13.5       | 40         | 7.6        | 40         | 10.9       | 47         | 13.3       | 47         | 11.6       | 47         | 7.6        | 53         | 12.4 | 53 | 8.1                     | 53  | 10.3 | 57  | 11.4 | 57  | 9.0  | 60  | 10.2 | 63  | 10.3   | 95  |
| 100                     | 36                                                                                                                                              | 11.9       | 36         | 6.2        | 36         | 9.3        | 44         | 11.6       | 44         | 10.2       | 44         | 6.1        | 50         | 10.8 | 50 | 6.6                     | 50  | 8.8  | 54  | 9.9  | 54  | 7.5  | 58  | 8.6  | 61  | 8.8    | 100 |
| 110                     | 27                                                                                                                                              | 9.4        | 27         | 3.7        | 27         | 6.8        | 38         | 9.1        | 38         | 7.6        | 38         | 3.5        | 45         | 8.1  | 45 | 4.1                     | 45  | 6.1  | 50  | 7.4  | 50  | 5.0  | 54  | 6.1  | 57  | 6.1    | 110 |
| 120                     |                                                                                                                                                 |            |            |            |            | 29         | 7.0        | 29         | 5.4        |            |            | 39         | 6.2        |      |    | 39                      | 4.2 | 45   | 5.2 | 45   | 3.0 | 50   | 4.0 | 53   | 4.0 |        | 120 |
| 130                     |                                                                                                                                                 |            |            |            |            | 18         | 5.3        | 18         | 3.9        |            |            | 32         | 4.4        |      |    | 32                      | 2.4 | 40   | 3.5 |      |     |      |     |      |     |        | 130 |
| 140                     |                                                                                                                                                 |            |            |            |            |            |            |            |            |            |            | 23         | 2.9        |      |    |                         |     |      |     |      |     |      |     |      |     |        | 140 |
| 150                     |                                                                                                                                                 |            |            |            |            |            |            |            |            |            |            |            |            |      |    |                         |     |      |     |      |     |      |     |      |     |        | 150 |
| 160                     |                                                                                                                                                 |            |            |            |            |            |            |            |            |            |            |            |            |      |    |                         |     |      |     |      |     |      |     |      |     |        | 160 |
| Telescoping sequence %  |                                                                                                                                                 |            |            |            |            |            |            |            |            |            |            |            |            |      |    |                         |     |      |     |      |     |      |     |      |     |        |     |
| Tel. 1                  | 0                                                                                                                                               | 93         |            | 46         | 0          | 46         |            | 93         | 0          | 93         |            | 46         |            | 46   |    | 93                      |     | 93   |     | 93   |     | 93   |     | 100  |     | Tel. 1 |     |
| Tel. 2                  | 0                                                                                                                                               | 46         |            | 46         | 46         | 46         |            | 93         | 93         | 93         |            | 93         |            | 93   |    | 93                      |     | 93   |     | 93   |     | 93   |     | 100  |     | Tel. 2 |     |
| Tel. 3                  | 93                                                                                                                                              | 46         |            | 46         | 93         | 46         |            | 46         | 93         | 93         |            | 93         |            | 93   |    | 93                      |     | 93   |     | 93   |     | 93   |     | 100  |     | Tel. 3 |     |
| Tel. 4                  | 93                                                                                                                                              | 46         |            | 46         | 93         | 93         |            | 46         | 93         | 46         |            | 93         |            | 93   |    | 93                      |     | 93   |     | 93   |     | 93   |     | 100  |     | Tel. 4 |     |
| Tel. 5                  | 93                                                                                                                                              | 46         |            | 93         | 93         | 93         |            | 46         | 93         | 46         |            | 46         |            | 46   |    | 93                      |     | 46   |     | 93   |     | 93   |     | 100  |     | Tel. 5 |     |

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

## Counterweight 0 lbs

| Work.<br>Radius<br>(ft) | Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom<br>On outriggers, 360° working area<br>Outrigger base 27.23 ft |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       |      |        |       |     | Work.<br>Radius<br>(ft) |     |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|------|-------|------|--------|------|------|------|-------|-------|--------|-------|-------|-------|------|--------|-------|-----|-------------------------|-----|
|                         | Boom length (ft)                                                                                                                         |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       |      |        |       |     |                         |     |
|                         | 43.3                                                                                                                                     | 57.7   | 57.7   | 71.9 | 71.9  | 71.9 | 71.9   | 83.3 | 86.3 | 86.3 | 100.4 | 100.4 | 100.4  | 114.8 | 114.8 | 114.8 |      |        |       |     |                         |     |
|                         | °<br>1)                                                                                                                                  | °      | °      | °    | °     | °    | °      | °    | °    | °    | °     | °     | °      | °     | °     | °     | °    |        |       |     |                         |     |
| 9                       |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       |      |        |       | 9   |                         |     |
| 10                      | 70                                                                                                                                       | 326.0° | 306.0° | 76   | 117.0 | 76   | 264.5° | 79   | 85.5 | 79   | 120.5 | 79    | 255.0° | 79    | 223.0 | 81    | 88.9 | 81     | 116.5 | 81  | 196.5                   | 10  |
| 12                      | 67                                                                                                                                       | 274.0° | 274.0° | 73   | 110.0 | 73   | 260.0° | 77   | 79.7 | 77   | 118.5 | 77    | 252.5° | 77    | 223.0 | 80    | 83.6 | 80     | 116.5 | 80  | 196.5                   | 12  |
| 14                      | 64                                                                                                                                       | 235.5  | 235.5  | 71   | 104.0 | 71   | 235.0  | 75   | 74.6 | 75   | 113.0 | 75    | 233.5  | 75    | 222.0 | 78    | 78.9 | 78     | 116.5 | 78  | 196.5                   | 14  |
| 16                      | 61                                                                                                                                       | 205.5  | 205.5  | 69   | 98.5  | 69   | 205.0  | 73   | 69.9 | 73   | 107.5 | 73    | 203.5  | 73    | 206.0 | 77    | 74.3 | 77     | 113.5 | 77  | 196.5                   | 16  |
| 18                      | 58                                                                                                                                       | 181.0  | 181.0  | 67   | 93.7  | 67   | 180.5  | 72   | 65.9 | 72   | 102.5 | 72    | 178.5  | 72    | 183.0 | 76    | 70.2 | 76     | 109.0 | 76  | 179.0                   | 18  |
| 20                      | 54                                                                                                                                       | 156.0  | 156.0  | 65   | 89.1  | 65   | 156.0  | 71   | 62.1 | 71   | 98.3  | 71    | 152.5  | 71    | 159.5 | 74    | 66.2 | 74     | 104.5 | 74  | 156.0                   | 20  |
| 25                      | 45                                                                                                                                       | 97.7   | 95.9   | 59   | 79.7  | 59   | 95.6   | 66   | 54.6 | 66   | 87.4  | 66    | 91.0   | 66    | 96.6  | 71    | 58.1 | 71     | 94.3  | 71  | 94.1                    | 25  |
| 30                      | 32                                                                                                                                       | 66.2   | 62.0   | 52   | 65.3  | 52   | 61.6   | 62   | 48.5 | 62   | 69.7  | 62    | 59.6   | 62    | 64.4  | 67    | 51.5 | 67     | 72.4  | 67  | 62.2                    | 30  |
| 35                      |                                                                                                                                          |        |        | 45   | 49.6  | 45   | 43.8   | 56   | 43.7 | 56   | 52.5  | 56    | 41.9   | 56    | 46.1  | 63    | 46.2 | 63     | 53.0  | 63  | 44.2                    | 35  |
| 40                      |                                                                                                                                          |        |        | 37   | 38.0  | 37   | 32.5   | 51   | 39.3 | 51   | 40.4  | 51    | 31.0   | 51    | 34.7  | 59    | 40.8 | 59     | 41.1  | 59  | 33.0                    | 40  |
| 45                      |                                                                                                                                          |        |        | 26   | 29.8  | 26   | 24.2   | 45   | 32.4 | 45   | 32.4  | 45    | 22.9   | 45    | 26.6  | 55    | 34.3 | 55     | 32.8  | 55  | 25.1                    | 45  |
| 50                      |                                                                                                                                          |        |        |      |       |      |        | 39   | 26.4 | 39   | 26.2  | 39    | 16.9   | 39    | 20.6  | 50    | 28.4 | 50     | 26.7  | 50  | 19.1                    | 50  |
| 55                      |                                                                                                                                          |        |        |      |       |      |        | 31   | 21.6 | 31   | 21.3  | 31    | 12.2   | 31    | 15.8  | 46    | 23.6 | 46     | 21.8  | 46  | 14.3                    | 55  |
| 60                      |                                                                                                                                          |        |        |      |       |      |        | 22   | 17.5 | 22   | 17.1  | 22    | 8.3    | 22    | 11.8  | 41    | 19.7 | 41     | 17.9  | 41  | 10.5                    | 60  |
| 65                      |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       | 35    | 16.5 | 35     | 14.5  | 35  | 7.4                     | 65  |
| 70                      |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       | 27    | 13.9 | 27     | 12.0  | 27  | 5.1                     | 70  |
| 75                      |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       | 20    | 11.4 | 20     | 9.7   | 20  | 3.0                     | 75  |
| 80                      |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       |      |        |       |     |                         | 80  |
| 85                      |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       | 31   | 10.2   | 31    | 7.1 |                         | 85  |
| 90                      |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       | 24   | 8.7    | 24    | 5.6 |                         | 90  |
| 95                      |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       | 18   | 7.2    | 18    | 4.1 |                         | 95  |
| 100                     |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       |      |        |       |     |                         | 100 |
| 110                     |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       |      |        |       |     |                         | 110 |
| 120                     |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       |      |        |       |     |                         | 120 |
| 130                     |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       |      |        |       |     |                         | 130 |
| 140                     |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       |      |        |       |     |                         | 140 |
| 150                     |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       |      |        |       |     |                         | 150 |
| Telescoping sequence %  |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       |      |        |       |     |                         |     |
| Tel. 1                  | 0                                                                                                                                        | 0      | 0      | 0    | 0     | 0    | 46     | 0    | 0    | 0    | 46    | 0     | 0      | 93    | 0     | 46    | 93   | Tel. 1 |       |     |                         |     |
| Tel. 2                  | 0                                                                                                                                        | 0      | 46     | 0    | 0     | 46   | 46     | 0    | 0    | 46   | 0     | 46    | 46     | 46    | 46    | 46    | 46   | Tel. 2 |       |     |                         |     |
| Tel. 3                  | 0                                                                                                                                        | 0      | 0      | 0    | 0     | 0    | 46     | 0    | 46   | 46   | 0     | 46    | 46     | 46    | 46    | 46    | 46   | Tel. 3 |       |     |                         |     |
| Tel. 4                  | 0                                                                                                                                        | 0      | 0      | 0    | 46    | 0    | 0      | 46   | 46   | 0    | 93    | 46    | 0      | 93    | 46    | 0     | 93   | Tel. 4 |       |     |                         |     |
| Tel. 5                  | 0                                                                                                                                        | 46     | 0      | 93   | 46    | 0    | 0      | 93   | 46   | 0    | 93    | 46    | 0      | 93    | 46    | 0     | 93   | Tel. 5 |       |     |                         |     |

1) Over rear with superstructure pin engaged

\*With additional lifting equipment.

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

## Counterweight 81,570 lbs

| Work.<br>Radius<br>(ft) | Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom<br>On outriggers, 360° working area<br>Outrigger base 18.37 ft |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       |      |        |       |      | Work.<br>Radius<br>(ft) |      |     |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|------|-------|------|--------|------|------|------|-------|-------|--------|-------|-------|-------|------|--------|-------|------|-------------------------|------|-----|
|                         | Boom length (ft)                                                                                                                         |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       |      |        |       |      |                         |      |     |
|                         | 43.3                                                                                                                                     | 57.7   | 57.7   | 71.9 | 71.9  | 71.9 | 71.9   | 83.3 | 86.3 | 86.3 | 100.4 | 100.4 | 100.4  | 114.8 | 114.8 | 114.8 |      |        |       |      |                         |      |     |
|                         | °<br>1)                                                                                                                                  | °      | °      | °    | °     | °    | °      | °    | °    | °    | °     | °     | °      | °     | °     | °     | °    |        |       |      |                         |      |     |
| 9                       | 71                                                                                                                                       | 400.0* |        |      |       |      |        |      |      |      |       |       |        |       |       |       |      |        |       |      | 9                       |      |     |
| 10                      | 70                                                                                                                                       | 350.5* | 287.0* | 76   | 117.0 | 76   | 264.5* | 79   | 85.5 | 79   | 120.5 | 79    | 255.0* | 79    | 223.0 | 81    | 88.9 | 81     | 116.5 | 81   | 196.5                   | 10   |     |
| 12                      | 67                                                                                                                                       | 318.0* | 257.0* | 73   | 110.0 | 73   | 264.5* | 77   | 79.7 | 77   | 118.5 | 77    | 255.0* | 77    | 223.0 | 80    | 83.6 | 80     | 116.5 | 80   | 196.5                   | 12   |     |
| 14                      | 64                                                                                                                                       | 279.0* | 232.0* | 71   | 104.0 | 71   | 253.5* | 75   | 74.6 | 75   | 112.5 | 75    | 249.5* | 75    | 222.0 | 78    | 78.9 | 78     | 116.5 | 78   | 196.5                   | 14   |     |
| 16                      | 61                                                                                                                                       | 247.0* | 211.0  | 69   | 98.5  | 69   | 227.0  | 73   | 69.9 | 73   | 107.5 | 73    | 226.0  | 73    | 212.5 | 77    | 74.3 | 77     | 113.5 | 77   | 190.0                   | 16   |     |
| 18                      | 58                                                                                                                                       | 220.5  | 194.0  | 67   | 93.7  | 67   | 210.0  | 72   | 65.9 | 72   | 102.5 | 72    | 208.5  | 72    | 200.5 | 76    | 70.2 | 76     | 109.0 | 76   | 168.5                   | 18   |     |
| 20                      | 54                                                                                                                                       | 197.0  | 177.0  | 65   | 89.1  | 65   | 195.0  | 71   | 62.1 | 71   | 98.3  | 71    | 194.5  | 71    | 188.5 | 74    | 66.2 | 74     | 104.5 | 74   | 146.0                   | 20   |     |
| 25                      | 45                                                                                                                                       | 156.5  | 124.5  | 59   | 79.7  | 59   | 156.5  | 66   | 54.6 | 66   | 87.4  | 66    | 155.0  | 66    | 157.5 | 71    | 58.1 | 71     | 95.2  | 71   | 109.5                   | 25   |     |
| 30                      | 32                                                                                                                                       | 128.0  | 90.2   | 52   | 72.1  | 52   | 128.0  | 62   | 48.5 | 62   | 77.7  | 62    | 127.0  | 62    | 129.5 | 67    | 51.5 | 67     | 86.1  | 67   | 86.3                    | 30   |     |
| 35                      |                                                                                                                                          |        |        | 45   | 66.2  | 45   | 107.5  | 56   | 43.7 | 56   | 70.2  | 56    | 106.0  | 56    | 109.5 | 63    | 46.2 | 63     | 76.0  | 63   | 69.5                    | 35   |     |
| 40                      |                                                                                                                                          |        |        | 37   | 60.4  | 37   | 93.0   | 51   | 39.7 | 51   | 63.7  | 51    | 86.7   | 51    | 90.3  | 59    | 41.9 | 59     | 63.3  | 59   | 56.0                    | 40   |     |
| 45                      |                                                                                                                                          |        |        | 26   | 50.0  | 26   | 76.7   | 45   | 36.5 | 45   | 58.5  | 45    | 74.6   | 45    | 77.7  | 55    | 38.4 | 55     | 52.7  | 55   | 46.0                    | 45   |     |
| 50                      |                                                                                                                                          |        |        |      |       |      |        | 39   | 33.9 | 39   | 54.1  | 39    | 63.2   | 39    | 66.4  | 50    | 35.4 | 50     | 44.7  | 50   | 38.2                    | 50   |     |
| 55                      |                                                                                                                                          |        |        |      |       |      |        | 31   | 31.6 | 31   | 50.4  | 31    | 53.6   | 31    | 56.7  | 46    | 32.8 | 46     | 38.2  | 46   | 31.9                    | 55   |     |
| 60                      |                                                                                                                                          |        |        |      |       |      |        | 22   | 29.6 | 22   | 47.2  | 22    | 45.7   | 22    | 48.5  | 41    | 30.5 | 41     | 32.9  | 41   | 26.8                    | 60   |     |
| 65                      |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       | 35    | 28.7 | 35     | 28.7  | 35   | 22.8                    | 65   |     |
| 70                      |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       | 27    | 26.5 | 27     | 25.3  | 27   | 19.5                    | 70   |     |
| 75                      |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       | 20    | 24.3 | 20     | 21.9  | 20   | 16.3                    | 75   |     |
| 80                      |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       |      |        |       |      |                         | 80   |     |
| 85                      |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       | 31   | 19.8   | 31    | 19.2 | 31                      | 12.7 | 85  |
| 90                      |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       | 24   | 18.8   | 24    | 16.9 | 24                      | 10.5 | 90  |
| 95                      |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       | 18   | 17.8   | 18    | 14.5 | 18                      | 8.3  | 95  |
| 100                     |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       |      |        |       |      |                         |      | 100 |
| 110                     |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       |      |        |       |      |                         |      | 110 |
| 120                     |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       |      |        |       |      |                         |      | 120 |
| 130                     |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       |      |        |       |      |                         |      | 130 |
| 140                     |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       |      |        |       |      |                         |      | 140 |
| 150                     |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       |      |        |       |      |                         |      | 150 |
| Telescoping sequence %  |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       |      |        |       |      |                         |      |     |
| Tel. 1                  | 0                                                                                                                                        | 0      | 0      | 0    | 0     | 0    | 46     | 0    | 0    | 0    | 46    | 0     | 0      | 93    | 0     | 46    | 93   | Tel. 1 |       |      |                         |      |     |
| Tel. 2                  | 0                                                                                                                                        | 0      | 46     | 0    | 0     | 0    | 46     | 46   | 0    | 0    | 46    | 0     | 46     | 46    | 0     | 46    | 46   | Tel. 2 |       |      |                         |      |     |
| Tel. 3                  | 0                                                                                                                                        | 0      | 0      | 0    | 0     | 0    | 0      | 46   | 0    | 46   | 46    | 0     | 46     | 46    | 46    | 46    | 46   | Tel. 3 |       |      |                         |      |     |
| Tel. 4                  | 0                                                                                                                                        | 0      | 0      | 0    | 46    | 0    | 0      | 0    | 46   | 46   | 0     | 93    | 46     | 0     | 93    | 46    | 46   | Tel. 4 |       |      |                         |      |     |
| Tel. 5                  | 0                                                                                                                                        | 46     | 0      | 93   | 46    | 0    | 0      | 0    | 93   | 46   | 0     | 93    | 46     | 0     | 93    | 46    | 0    | Tel. 5 |       |      |                         |      |     |

1) Over rear with superstructure pin engaged

\*With additional lifting equipment.

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

## Counterweight 0 lbs

| Work.<br>Radius<br>(ft) | Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom<br>On outriggers, 360° working area<br><b>Outrigger base 27.23 ft</b> |      |       |      |       |      |       |      |       |      |       |    |       |        |       |  | Work.<br>Radius<br>(ft) |       |  |       |  |       |  |       |  |       |  |     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|------|-------|------|-------|------|-------|------|-------|----|-------|--------|-------|--|-------------------------|-------|--|-------|--|-------|--|-------|--|-------|--|-----|
|                         | Boom length (ft)                                                                                                                                |      |       |      |       |      |       |      |       |      |       |    |       |        |       |  |                         |       |  |       |  |       |  |       |  |       |  |     |
|                         | 128.9                                                                                                                                           |      | 128.9 |      | 128.9 |      | 143.4 |      | 143.4 |      | 143.3 |    | 157.5 |        | 157.5 |  |                         | 157.5 |  | 171.9 |  | 171.9 |  | 186.0 |  | 196.9 |  |     |
| 9                       |                                                                                                                                                 |      |       |      |       |      |       |      |       |      |       |    |       |        |       |  |                         |       |  |       |  |       |  |       |  |       |  | 9   |
| 10                      |                                                                                                                                                 |      |       |      |       |      |       |      |       |      |       |    |       |        |       |  |                         |       |  |       |  |       |  |       |  |       |  | 10  |
| 12                      |                                                                                                                                                 |      |       |      |       |      |       |      |       |      |       |    |       |        |       |  |                         |       |  |       |  |       |  |       |  |       |  | 12  |
| 14                      |                                                                                                                                                 |      |       |      |       |      |       |      |       |      |       |    |       |        |       |  |                         |       |  |       |  |       |  |       |  |       |  | 14  |
| 16                      |                                                                                                                                                 |      |       |      |       |      |       |      |       |      |       |    |       |        |       |  |                         |       |  |       |  |       |  |       |  |       |  | 16  |
| 18                      |                                                                                                                                                 |      |       |      |       |      |       |      |       |      |       |    |       |        |       |  |                         |       |  |       |  |       |  |       |  |       |  | 18  |
| 20                      | 81                                                                                                                                              | 57.2 | 81    | 91.3 | 81    | 71.0 | 82    | 49.4 | 82    | 54.0 |       |    |       |        |       |  |                         |       |  |       |  |       |  |       |  |       |  | 20  |
| 25                      | 78                                                                                                                                              | 51.6 | 78    | 87.0 | 78    | 68.0 | 80    | 49.4 | 80    | 53.7 |       |    |       |        |       |  |                         |       |  |       |  |       |  |       |  |       |  | 25  |
| 30                      | 76                                                                                                                                              | 45.9 | 76    | 66.3 | 76    | 61.4 | 78    | 47.2 | 78    | 50.1 |       |    |       |        |       |  |                         |       |  |       |  |       |  |       |  |       |  | 30  |
| 35                      | 74                                                                                                                                              | 41.4 | 74    | 47.8 | 74    | 49.1 | 76    | 42.8 | 76    | 45.9 |       |    |       |        |       |  |                         |       |  |       |  |       |  |       |  |       |  | 35  |
| 40                      | 72                                                                                                                                              | 37.4 | 72    | 36.5 | 72    | 37.8 | 74    | 38.8 | 74    | 38.9 |       |    |       |        |       |  |                         |       |  |       |  |       |  |       |  |       |  | 40  |
| 45                      | 69                                                                                                                                              | 33.0 | 69    | 28.4 | 69    | 31.8 | 71    | 34.0 | 71    | 32.5 |       |    |       |        |       |  |                         |       |  |       |  |       |  |       |  |       |  | 45  |
| 50                      | 66                                                                                                                                              | 28.4 | 66    | 22.2 | 66    | 26.0 | 69    | 28.4 | 69    | 26.8 |       |    |       |        |       |  |                         |       |  |       |  |       |  |       |  |       |  | 50  |
| 55                      | 64                                                                                                                                              | 24.0 | 64    | 17.3 | 64    | 21.0 | 67    | 23.6 | 67    | 22.0 |       |    |       |        |       |  |                         |       |  |       |  |       |  |       |  |       |  | 55  |
| 60                      | 61                                                                                                                                              | 20.1 | 61    | 13.3 | 61    | 17.1 | 65    | 19.7 | 65    | 18.1 |       |    |       |        |       |  |                         |       |  |       |  |       |  |       |  |       |  | 60  |
| 65                      | 58                                                                                                                                              | 16.9 | 58    | 10.3 | 58    | 14.0 | 62    | 16.5 | 62    | 14.7 |       |    |       |        |       |  |                         |       |  |       |  |       |  |       |  |       |  | 65  |
| 70                      | 56                                                                                                                                              | 14.5 | 56    | 7.9  | 56    | 11.3 | 60    | 13.9 | 60    | 12.3 |       |    |       |        |       |  |                         |       |  |       |  |       |  |       |  |       |  | 70  |
| 75                      | 53                                                                                                                                              | 12.2 | 53    | 5.8  | 53    | 9.1  | 58    | 11.6 | 58    | 10.1 |       |    |       |        |       |  |                         |       |  |       |  |       |  |       |  |       |  | 75  |
| 80                      | 50                                                                                                                                              | 10.2 | 50    | 3.9  | 50    | 7.3  | 55    | 9.7  | 55    | 8.2  |       |    |       |        |       |  |                         |       |  |       |  |       |  |       |  |       |  | 80  |
| 85                      | 47                                                                                                                                              | 8.7  |       |      | 47    | 5.6  | 53    | 8.0  | 53    | 6.7  |       |    |       |        |       |  |                         |       |  |       |  |       |  |       |  |       |  | 85  |
| 90                      | 43                                                                                                                                              | 7.2  |       |      | 43    | 4.4  | 50    | 6.8  | 50    | 5.2  |       |    |       |        |       |  |                         |       |  |       |  |       |  |       |  |       |  | 90  |
| 95                      | 40                                                                                                                                              | 5.9  |       |      | 40    | 3.3  | 47    | 5.7  | 47    | 3.9  |       |    |       |        |       |  |                         |       |  |       |  |       |  |       |  |       |  | 95  |
| 100                     | 36                                                                                                                                              | 4.8  |       |      |       |      | 44    | 4.6  | 44    | 2.7  |       |    |       |        |       |  |                         |       |  |       |  |       |  |       |  |       |  | 100 |
| 110                     | 27                                                                                                                                              | 3.1  |       |      |       |      | 38    | 2.9  |       |      |       |    |       |        |       |  |                         |       |  |       |  |       |  |       |  |       |  | 110 |
| 120                     |                                                                                                                                                 |      |       |      |       |      |       |      |       |      |       |    |       |        |       |  |                         |       |  |       |  |       |  |       |  |       |  | 120 |
| 130                     |                                                                                                                                                 |      |       |      |       |      |       |      |       |      |       |    |       |        |       |  |                         |       |  |       |  |       |  |       |  |       |  | 130 |
| 140                     |                                                                                                                                                 |      |       |      |       |      |       |      |       |      |       |    |       |        |       |  |                         |       |  |       |  |       |  |       |  |       |  | 140 |
| 150                     |                                                                                                                                                 |      |       |      |       |      |       |      |       |      |       |    |       |        |       |  |                         |       |  |       |  |       |  |       |  |       |  | 150 |
| Telescoping sequence %  |                                                                                                                                                 |      |       |      |       |      |       |      |       |      |       |    |       |        |       |  |                         |       |  |       |  |       |  |       |  |       |  |     |
| Tel. 1                  | 0                                                                                                                                               | 93   | 46    | 0    | 46    | 93   | 0     | 93   | 46    | 46   | 93    | 93 | 100   | Tel. 1 |       |  |                         |       |  |       |  |       |  |       |  |       |  |     |
| Tel. 2                  | 0                                                                                                                                               | 46   | 46    | 46   | 46    | 93   | 93    | 93   | 93    | 93   | 93    | 93 | 100   | Tel. 2 |       |  |                         |       |  |       |  |       |  |       |  |       |  |     |
| Tel. 3                  | 93                                                                                                                                              | 46   | 46    | 93   | 46    | 46   | 93    | 93   | 93    | 93   | 93    | 93 | 100   | Tel. 3 |       |  |                         |       |  |       |  |       |  |       |  |       |  |     |
| Tel. 4                  | 93                                                                                                                                              | 46   | 46    | 93   | 93    | 46   | 93    | 46   | 93    | 93   | 93    | 93 | 100   | Tel. 4 |       |  |                         |       |  |       |  |       |  |       |  |       |  |     |
| Tel. 5                  | 93                                                                                                                                              | 46   | 93    | 93   | 93    | 46   | 93    | 46   | 46    | 93   | 46    | 93 | 100   | Tel. 5 |       |  |                         |       |  |       |  |       |  |       |  |       |  |     |

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

## Counterweight 81,570 lbs

| Work.<br>Radius<br>(ft) | Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom<br>On outriggers, 360° working area<br><b>Outrigger base 18.37 ft</b> |            |            |            |            |            |            |            |            |            |            |            |            |        | Work.<br>Radius<br>(ft) |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------|-------------------------|
|                         | Boom length (ft)                                                                                                                                |            |            |            |            |            |            |            |            |            |            |            |            |        |                         |
|                         | 128.9<br>°                                                                                                                                      | 128.9<br>° | 128.9<br>° | 143.4<br>° | 143.4<br>° | 143.3<br>° | 157.5<br>° | 157.5<br>° | 157.5<br>° | 171.9<br>° | 171.9<br>° | 186.0<br>° | 196.9<br>° |        |                         |
| 9                       |                                                                                                                                                 |            |            |            |            |            |            |            |            |            |            |            |            |        | 9                       |
| 10                      |                                                                                                                                                 |            |            |            |            |            |            |            |            |            |            |            |            |        | 10                      |
| 12                      |                                                                                                                                                 |            |            |            |            |            |            |            |            |            |            |            |            |        | 12                      |
| 14                      |                                                                                                                                                 |            |            |            |            |            |            |            |            |            |            |            |            |        | 14                      |
| 16                      |                                                                                                                                                 |            |            |            |            |            |            |            |            |            |            |            |            |        | 16                      |
| 18                      |                                                                                                                                                 |            |            |            |            |            |            |            |            |            |            |            |            |        | 18                      |
| 20                      | 81                                                                                                                                              | 57.2       | 81         | 91.3       | 81         | 71.0       | 82         | 49.4       | 82         | 54.0       | 82         | 73.6       |            |        | 20                      |
| 25                      | 78                                                                                                                                              | 51.6       | 78         | 91.1       | 78         | 68.0       | 80         | 49.4       | 80         | 53.7       | 80         | 73.6       | 81         | 43.0   | 25                      |
| 30                      | 76                                                                                                                                              | 45.9       | 76         | 77.8       | 76         | 61.9       | 78         | 47.2       | 78         | 50.1       | 78         | 72.7       | 80         | 43.0   | 30                      |
| 35                      | 74                                                                                                                                              | 41.4       | 74         | 64.4       | 74         | 56.8       | 76         | 42.8       | 76         | 45.9       | 76         | 62.2       | 78         | 42.0   | 35                      |
| 40                      | 72                                                                                                                                              | 37.5       | 72         | 54.1       | 72         | 52.4       | 74         | 39.1       | 74         | 42.2       | 74         | 52.2       | 76         | 39.5   | 40                      |
| 45                      | 69                                                                                                                                              | 34.1       | 69         | 45.8       | 69         | 48.6       | 71         | 36.1       | 71         | 39.1       | 71         | 44.8       | 74         | 36.7   | 45                      |
| 50                      | 66                                                                                                                                              | 31.3       | 66         | 39.8       | 66         | 43.2       | 69         | 33.3       | 69         | 36.5       | 69         | 38.9       | 72         | 34.1   | 50                      |
| 55                      | 64                                                                                                                                              | 28.9       | 64         | 34.4       | 64         | 37.6       | 67         | 30.9       | 67         | 34.2       | 67         | 33.8       | 70         | 31.8   | 55                      |
| 60                      | 61                                                                                                                                              | 26.8       | 61         | 29.4       | 61         | 32.5       | 65         | 28.8       | 65         | 31.8       | 65         | 29.2       | 68         | 29.9   | 60                      |
| 65                      | 58                                                                                                                                              | 24.9       | 58         | 25.2       | 58         | 28.3       | 62         | 26.9       | 62         | 28.8       | 62         | 25.0       | 66         | 28.0   | 65                      |
| 70                      | 56                                                                                                                                              | 23.4       | 56         | 21.7       | 56         | 24.8       | 60         | 25.2       | 60         | 25.5       | 60         | 21.7       | 64         | 25.7   | 70                      |
| 75                      | 53                                                                                                                                              | 21.9       | 53         | 18.9       | 53         | 21.9       | 58         | 23.3       | 58         | 22.5       | 58         | 18.8       | 62         | 23.2   | 75                      |
| 80                      | 50                                                                                                                                              | 20.4       | 50         | 16.4       | 50         | 19.3       | 55         | 21.3       | 55         | 20.0       | 55         | 16.2       | 59         | 20.6   | 80                      |
| 85                      | 47                                                                                                                                              | 19.3       | 47         | 14.2       | 47         | 17.1       | 53         | 19.1       | 53         | 17.8       | 53         | 14.0       | 57         | 18.2   | 85                      |
| 90                      | 43                                                                                                                                              | 17.4       | 43         | 12.4       | 43         | 15.1       | 50         | 17.2       | 50         | 15.9       | 50         | 12.2       | 55         | 16.3   | 90                      |
| 95                      | 40                                                                                                                                              | 15.8       | 40         | 10.6       | 40         | 13.4       | 47         | 15.5       | 47         | 14.2       | 47         | 10.5       | 53         | 14.7   | 95                      |
| 100                     | 36                                                                                                                                              | 14.3       | 36         | 9.1        | 36         | 11.9       | 44         | 13.9       | 44         | 12.6       | 44         | 9.1        | 50         | 13.2   | 100                     |
| 110                     | 27                                                                                                                                              | 11.6       | 27         | 6.5        | 27         | 9.4        | 38         | 11.4       | 38         | 10.1       | 38         | 6.5        | 45         | 10.6   | 110                     |
| 120                     |                                                                                                                                                 |            |            |            |            |            | 29         | 9.2        | 29         | 8.0        | 29         | 4.5        | 39         | 8.4    | 120                     |
| 130                     |                                                                                                                                                 |            |            |            |            |            | 18         | 7.5        | 18         | 6.2        | 18         | 2.5        | 32         | 6.6    | 130                     |
| 140                     |                                                                                                                                                 |            |            |            |            |            |            |            |            |            |            |            | 23         | 5.2    | 140                     |
| 150                     |                                                                                                                                                 |            |            |            |            |            |            |            |            |            |            |            |            |        | 150                     |
| Telescoping sequence %  |                                                                                                                                                 |            |            |            |            |            |            |            |            |            |            |            |            |        |                         |
| Tel. 1                  | 0                                                                                                                                               | 93         | 46         | 0          | 46         | 93         | 0          | 93         | 46         | 46         | 93         | 93         | 100        | Tel. 1 |                         |
| Tel. 2                  | 0                                                                                                                                               | 46         | 46         | 46         | 46         | 93         | 93         | 93         | 93         | 93         | 93         | 93         | 100        | Tel. 2 |                         |
| Tel. 3                  | 93                                                                                                                                              | 46         | 46         | 93         | 46         | 46         | 93         | 93         | 93         | 93         | 93         | 93         | 100        | Tel. 3 |                         |
| Tel. 4                  | 93                                                                                                                                              | 46         | 46         | 93         | 93         | 46         | 93         | 46         | 93         | 93         | 93         | 93         | 100        | Tel. 4 |                         |
| Tel. 5                  | 93                                                                                                                                              | 46         | 93         | 93         | 93         | 46         | 93         | 46         | 46         | 93         | 46         | 93         | 100        | Tel. 5 |                         |

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

## Counterweight 55,115 lbs

| Work.<br>Radius<br>(ft) | Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom<br>On outriggers, 360° working area<br>Outrigger base 18.37 ft |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       |        |    |       |    | Work.<br>Radius<br>(ft) |    |     |     |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|------|-------|------|--------|------|------|------|-------|-------|--------|-------|-------|-------|--------|----|-------|----|-------------------------|----|-----|-----|
|                         | Boom length (ft)                                                                                                                         |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       |        |    |       |    |                         |    |     |     |
|                         | 43.3                                                                                                                                     | 57.7   | 57.7   | 71.9 | 71.9  | 71.9 | 71.9   | 83.3 | 86.3 | 86.3 | 100.4 | 100.4 | 100.4  | 114.8 | 114.8 | 114.8 |        |    |       |    |                         |    |     |     |
|                         | °<br>1)                                                                                                                                  | °      | °      | °    | °     | °    | °      | °    | °    | °    | °     | °     | °      | °     | °     | °     | °      |    |       |    |                         |    |     |     |
| 9                       | 71                                                                                                                                       | 400.0* |        |      |       |      |        |      |      |      |       |       |        |       |       |       |        |    |       |    | 9                       |    |     |     |
| 10                      | 70                                                                                                                                       | 350.5* | 280.5* | 76   | 117.0 | 76   | 264.0* | 79   | 85.5 | 79   | 120.5 | 79    | 255.0* | 79    | 223.0 | 81    | 88.9   | 81 | 116.5 | 81 | 196.5                   | 10 |     |     |
| 12                      | 67                                                                                                                                       | 315.5* | 251.5* | 73   | 110.0 | 73   | 251.5* | 77   | 79.7 | 77   | 118.5 | 77    | 243.5* | 77    | 223.0 | 80    | 83.6   | 80 | 116.5 | 80 | 196.5                   | 12 |     |     |
| 14                      | 64                                                                                                                                       | 267.0* | 227.0  | 71   | 104.0 | 71   | 221.5  | 75   | 74.6 | 75   | 112.5 | 75    | 200.5  | 75    | 205.0 | 78    | 78.9   | 78 | 116.5 | 78 | 182.0                   | 14 |     |     |
| 16                      | 61                                                                                                                                       | 233.5  | 204.0  | 69   | 98.5  | 69   | 185.0  | 73   | 69.9 | 73   | 107.5 | 73    | 181.5  | 73    | 170.0 | 77    | 74.3   | 77 | 113.5 | 77 | 153.0                   | 16 |     |     |
| 18                      | 58                                                                                                                                       | 208.5  | 175.0  | 67   | 93.7  | 67   | 157.0  | 72   | 65.9 | 72   | 102.5 | 72    | 152.0  | 72    | 145.5 | 76    | 70.2   | 76 | 109.0 | 76 | 132.0                   | 18 |     |     |
| 20                      | 54                                                                                                                                       | 186.5  | 145.5  | 65   | 89.1  | 65   | 132.5  | 71   | 62.1 | 71   | 98.3  | 71    | 120.0  | 71    | 124.5 | 74    | 66.2   | 74 | 104.5 | 74 | 113.5                   | 20 |     |     |
| 25                      | 45                                                                                                                                       | 148.0  | 97.3   | 59   | 79.7  | 59   | 95.5   | 66   | 54.6 | 66   | 87.4  | 66    | 87.9   | 66    | 92.1  | 71    | 58.1   | 71 | 91.5  | 71 | 84.4                    | 25 |     |     |
| 30                      | 32                                                                                                                                       | 117.0  | 69.4   | 52   | 71.5  | 52   | 69.2   | 62   | 48.5 | 62   | 76.7  | 62    | 67.1   | 62    | 70.8  | 67    | 51.5   | 67 | 73.8  | 67 | 65.2                    | 30 |     |     |
| 35                      |                                                                                                                                          |        |        | 45   | 57.6  | 45   | 52.7   | 56   | 43.7 | 56   | 60.0  | 56    | 51.1   | 56    | 54.7  | 63    | 46.2   | 63 | 60.0  | 63 | 52.5                    | 35 |     |     |
| 40                      |                                                                                                                                          |        |        | 37   | 46.1  | 37   | 41.5   | 51   | 39.7 | 51   | 48.5  | 51    | 40.0   | 51    | 43.5  | 59    | 41.9   | 59 | 49.0  | 59 | 42.0                    | 40 |     |     |
| 45                      |                                                                                                                                          |        |        | 26   | 37.7  | 26   | 33.3   | 45   | 36.5 | 45   | 40.0  | 45    | 31.9   | 45    | 35.1  | 55    | 38.4   | 55 | 60.4  | 55 | 33.7                    | 45 |     |     |
| 50                      |                                                                                                                                          |        |        |      |       |      |        | 39   | 32.7 | 39   | 33.4  | 39    | 25.8   | 39    | 28.7  | 50    | 34.6   | 50 | 33.9  | 50 | 27.4                    | 50 |     |     |
| 55                      |                                                                                                                                          |        |        |      |       |      |        | 31   | 28.5 | 31   | 28.2  | 31    | 20.7   | 31    | 23.6  | 46    | 30.4   | 46 | 28.6  | 46 | 22.4                    | 55 |     |     |
| 60                      |                                                                                                                                          |        |        |      |       |      |        | 22   | 24.1 | 22   | 23.9  | 22    | 16.4   | 22    | 19.2  | 41    | 26.0   | 41 | 24.3  | 41 | 18.3                    | 60 |     |     |
| 65                      |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       | 35    | 22.5   | 35 | 20.9  | 35 | 15.0                    | 65 |     |     |
| 70                      |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       | 27    | 19.7   | 27 | 18.1  | 27 | 12.2                    | 70 |     |     |
| 75                      |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       | 20    | 17.0   | 20 | 15.5  | 20 | 9.5                     | 75 |     |     |
| 80                      |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       |        |    |       |    |                         | 31 | 80  |     |
| 85                      |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       |        |    |       |    |                         | 24 | 85  |     |
| 90                      |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       |        |    |       |    |                         | 18 | 90  |     |
| 95                      |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       |        |    |       |    |                         | 18 | 95  |     |
| 100                     |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       |        |    |       |    |                         | 29 | 100 |     |
| 110                     |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       |        |    |       |    |                         | 23 | 110 |     |
| 120                     |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       |        |    |       |    |                         |    |     | 120 |
| 130                     |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       |        |    |       |    |                         |    |     | 130 |
| 140                     |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       |        |    |       |    |                         |    |     | 140 |
| 150                     |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       |        |    |       |    |                         |    |     | 150 |
| Telescoping sequence %  |                                                                                                                                          |        |        |      |       |      |        |      |      |      |       |       |        |       |       |       |        |    |       |    |                         |    |     |     |
| Tel. 1                  | 0                                                                                                                                        | 0      | 0      | 0    | 0     | 46   | 0      | 0    | 0    | 46   | 0     | 0     | 93     | 0     | 46    | 93    | Tel. 1 |    |       |    |                         |    |     |     |
| Tel. 2                  | 0                                                                                                                                        | 0      | 46     | 0    | 0     | 46   | 46     | 0    | 0    | 46   | 0     | 46    | 46     | 0     | 46    | 46    | Tel. 2 |    |       |    |                         |    |     |     |
| Tel. 3                  | 0                                                                                                                                        | 0      | 0      | 0    | 0     | 0    | 46     | 0    | 46   | 46   | 0     | 46    | 46     | 46    | 46    | 46    | Tel. 3 |    |       |    |                         |    |     |     |
| Tel. 4                  | 0                                                                                                                                        | 0      | 0      | 0    | 46    | 0    | 0      | 46   | 46   | 0    | 93    | 46    | 0      | 93    | 46    | 46    | Tel. 4 |    |       |    |                         |    |     |     |
| Tel. 5                  | 0                                                                                                                                        | 46     | 0      | 93   | 46    | 0    | 0      | 93   | 46   | 0    | 93    | 46    | 0      | 93    | 46    | 0     | Tel. 5 |    |       |    |                         |    |     |     |

1) Over rear with superstructure pin engaged

\*With additional lifting equipment.

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine

## Counterweight 0 lbs

| Work.<br>Radius<br>(ft) | Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boom<br>On outriggers, 360° working area<br>Outrigger base 18.37 ft |    |       |    |       |    |       |    |      |    |       |    |       |    |       |    |      |    |       |        | Work.<br>Radius<br>(ft) |       |      |       |   |       |   |       |   |       |   |       |  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------|----|-------|----|-------|----|-------|----|------|----|-------|----|-------|----|-------|----|------|----|-------|--------|-------------------------|-------|------|-------|---|-------|---|-------|---|-------|---|-------|--|
|                         | Boom length (ft)                                                                                                                         |    |       |    |       |    |       |    |      |    |       |    |       |    |       |    |      |    |       |        |                         |       |      |       |   |       |   |       |   |       |   |       |  |
|                         | 43.3                                                                                                                                     |    | 57.7  |    | 57.7  |    | 71.9  |    | 71.9 |    | 71.9  |    | 71.9  |    | 83.3  |    | 86.3 |    | 86.3  |        |                         | 100.4 |      | 100.4 |   | 100.4 |   | 114.8 |   | 114.8 |   | 114.8 |  |
|                         | °                                                                                                                                        | °  | °     | °  | °     | °  | °     | °  | °    | °  | °     | °  | °     | °  | °     | °  | °    | °  | °     | °      |                         | °     | °    | °     | ° | °     | ° | °     | ° | °     | ° | °     |  |
| 9                       |                                                                                                                                          |    |       |    |       |    |       |    |      |    |       |    |       |    |       |    |      |    |       |        |                         |       |      |       |   |       |   |       |   |       |   | 9     |  |
| 10                      | 70                                                                                                                                       |    | 242.0 | 76 | 117.0 | 76 | 192.0 | 79 | 85.5 | 79 | 120.5 | 79 | 155.0 | 79 | 162.0 | 81 | 88.9 | 81 | 116.5 | 81     | 134.6                   |       |      |       |   |       |   |       |   |       |   | 10    |  |
| 12                      | 67                                                                                                                                       |    | 164.5 | 73 | 110.0 | 73 | 137.0 | 77 | 79.7 | 77 | 117.5 | 77 | 114.0 | 77 | 120.5 | 80 | 83.6 | 80 | 111.5 | 80     | 102.7                   | 82    | 73.0 |       |   |       |   |       |   |       |   | 12    |  |
| 14                      | 64                                                                                                                                       |    | 120.5 | 71 | 104.0 | 71 | 103.5 | 75 | 74.6 | 75 | 103.0 | 75 | 88.7  | 75 | 94.4  | 78 | 78.9 | 78 | 93.0  | 78     | 81.6                    | 80    | 68.1 |       |   |       |   |       |   |       |   | 14    |  |
| 16                      | 61                                                                                                                                       |    | 93.1  | 69 | 89.9  | 69 | 82.1  | 73 | 69.9 | 73 | 84.3  | 73 | 71.2  | 73 | 76.2  | 77 | 74.3 | 77 | 77.2  | 77     | 66.5                    | 79    | 63.7 |       |   |       |   |       |   |       |   | 16    |  |
| 18                      | 58                                                                                                                                       |    | 76.4  | 67 | 75.4  | 67 | 68.1  | 72 | 65.7 | 72 | 71.6  | 72 | 59.2  | 72 | 64.1  | 76 | 66.9 | 76 | 66.0  | 76     | 55.7                    | 78    | 59.6 |       |   |       |   |       |   |       |   | 18    |  |
| 20                      | 54                                                                                                                                       |    | 62.3  | 65 | 62.8  | 65 | 56.0  | 71 | 60.9 | 71 | 60.5  | 71 | 48.6  | 71 | 53.5  | 74 | 58.9 | 74 | 56.2  | 74     | 46.2                    | 77    | 55.2 |       |   |       |   |       |   |       |   | 20    |  |
| 25                      | 45                                                                                                                                       |    | 39.9  | 59 | 43.8  | 59 | 37.8  | 66 | 43.6 | 66 | 43.3  | 66 | 32.7  | 66 | 36.7  | 71 | 43.3 | 71 | 40.9  | 71     | 32.3                    | 74    | 41.1 |       |   |       |   |       |   |       |   | 25    |  |
| 30                      | 32                                                                                                                                       |    | 25.8  | 52 | 31.0  | 52 | 25.6  | 62 | 32.5 | 62 | 32.3  | 62 | 22.4  | 62 | 26.2  | 67 | 32.8 | 67 | 30.6  | 67     | 22.5                    | 71    | 31.5 |       |   |       |   |       |   |       |   | 30    |  |
| 35                      |                                                                                                                                          |    |       | 45 | 22.3  | 45 | 17.4  | 56 | 24.9 | 56 | 24.6  | 56 | 15.6  | 56 | 19.2  | 63 | 25.9 | 63 | 23.8  | 63     | 16.4                    | 68    | 25.1 |       |   |       |   |       |   |       |   | 35    |  |
| 40                      |                                                                                                                                          |    |       | 37 | 16.4  | 37 | 11.8  | 51 | 19.0 | 51 | 18.8  | 51 | 10.3  | 51 | 13.6  | 59 | 20.8 | 59 | 18.7  | 59     | 11.7                    | 65    | 20.3 |       |   |       |   |       |   |       |   | 40    |  |
| 45                      |                                                                                                                                          |    |       | 26 | 12.1  | 26 | 7.6   | 45 | 14.5 | 45 | 14.3  | 45 | 6.3   | 45 | 9.4   | 55 | 16.5 | 55 | 14.6  | 55     | 8.0                     | 62    | 16.6 |       |   |       |   |       |   |       |   | 45    |  |
| 50                      |                                                                                                                                          |    |       |    |       |    |       | 39 | 11.2 | 39 | 10.9  |    |       | 39 | 6.3   | 50 | 13.1 | 50 | 11.3  | 50     | 4.3                     | 58    | 13.4 |       |   |       |   |       |   |       |   | 50    |  |
| 55                      |                                                                                                                                          |    |       |    |       |    |       | 31 | 8.5  | 31 | 8.2   |    |       | 31 | 3.4   | 46 | 10.3 | 46 | 8.5   |        | 54                      | 10.7  |      |       |   |       |   |       |   |       |   | 55    |  |
| 60                      |                                                                                                                                          |    |       |    |       |    |       | 22 | 6.2  | 22 | 6.0   |    |       |    |       | 41 | 8.0  | 41 | 6.3   |        | 50                      | 8.5   |      |       |   |       |   |       |   |       |   | 60    |  |
| 65                      |                                                                                                                                          |    |       |    |       |    |       |    |      |    |       |    |       |    |       | 35 | 6.2  | 35 | 4.6   |        | 46                      | 6.6   |      |       |   |       |   |       |   |       |   | 65    |  |
| 70                      |                                                                                                                                          |    |       |    |       |    |       |    |      |    |       |    |       |    |       | 27 | 4.8  | 27 | 3.1   |        | 42                      | 5.1   |      |       |   |       |   |       |   |       |   | 70    |  |
| 75                      |                                                                                                                                          |    |       |    |       |    |       |    |      |    |       |    |       |    |       | 20 | 3.4  |    |       |        | 37                      | 3.6   |      |       |   |       |   |       |   |       |   | 75    |  |
| 80                      |                                                                                                                                          |    |       |    |       |    |       |    |      |    |       |    |       |    |       |    |      |    |       |        |                         |       |      |       |   |       |   |       |   |       |   | 80    |  |
| 85                      |                                                                                                                                          |    |       |    |       |    |       |    |      |    |       |    |       |    |       |    |      |    |       |        |                         |       |      |       |   |       |   |       |   |       |   | 85    |  |
| 90                      |                                                                                                                                          |    |       |    |       |    |       |    |      |    |       |    |       |    |       |    |      |    |       |        |                         |       |      |       |   |       |   |       |   |       |   | 90    |  |
| 95                      |                                                                                                                                          |    |       |    |       |    |       |    |      |    |       |    |       |    |       |    |      |    |       |        |                         |       |      |       |   |       |   |       |   |       |   | 95    |  |
| 100                     |                                                                                                                                          |    |       |    |       |    |       |    |      |    |       |    |       |    |       |    |      |    |       |        |                         |       |      |       |   |       |   |       |   |       |   | 100   |  |
| 110                     |                                                                                                                                          |    |       |    |       |    |       |    |      |    |       |    |       |    |       |    |      |    |       |        |                         |       |      |       |   |       |   |       |   |       |   | 110   |  |
| 120                     |                                                                                                                                          |    |       |    |       |    |       |    |      |    |       |    |       |    |       |    |      |    |       |        |                         |       |      |       |   |       |   |       |   |       |   | 120   |  |
| 130                     |                                                                                                                                          |    |       |    |       |    |       |    |      |    |       |    |       |    |       |    |      |    |       |        |                         |       |      |       |   |       |   |       |   |       |   | 130   |  |
| 140                     |                                                                                                                                          |    |       |    |       |    |       |    |      |    |       |    |       |    |       |    |      |    |       |        |                         |       |      |       |   |       |   |       |   |       |   | 140   |  |
| 150                     |                                                                                                                                          |    |       |    |       |    |       |    |      |    |       |    |       |    |       |    |      |    |       |        |                         |       |      |       |   |       |   |       |   |       |   | 150   |  |
| Telescoping sequence %  |                                                                                                                                          |    |       |    |       |    |       |    |      |    |       |    |       |    |       |    |      |    |       |        |                         |       |      |       |   |       |   |       |   |       |   |       |  |
| Tel. 1                  | 0                                                                                                                                        | 0  | 0     | 0  | 0     | 46 | 0     | 0  | 46   | 0  | 0     | 0  | 46    | 0  | 46    | 93 | 0    | 46 | 93    | Tel. 1 |                         |       |      |       |   |       |   |       |   |       |   |       |  |
| Tel. 2                  | 0                                                                                                                                        | 0  | 46    | 0  | 0     | 46 | 46    | 0  | 46   | 0  | 46    | 0  | 46    | 0  | 46    | 46 | 0    | 46 | 46    | Tel. 2 |                         |       |      |       |   |       |   |       |   |       |   |       |  |
| Tel. 3                  | 0                                                                                                                                        | 0  | 0     | 0  | 0     | 0  | 46    | 0  | 46   | 46 | 0     | 46 | 46    | 0  | 46    | 46 | 46   | 46 | 46    | Tel. 3 |                         |       |      |       |   |       |   |       |   |       |   |       |  |
| Tel. 4                  | 0                                                                                                                                        | 0  | 0     | 0  | 46    | 0  | 0     | 46 | 46   | 0  | 93    | 46 | 0     | 93 | 46    | 0  | 93   | 46 | 46    | Tel. 4 |                         |       |      |       |   |       |   |       |   |       |   |       |  |
| Tel. 5                  | 0                                                                                                                                        | 46 | 0     | 93 | 46    | 0  | 0     | 93 | 46   | 0  | 93    | 46 | 0     | 93 | 46    | 0  | 93   | 46 | 0     | Tel. 5 |                         |       |      |       |   |       |   |       |   |       |   |       |  |

1) Over rear with superstructure pin engaged

\*With additional lifting equipment.

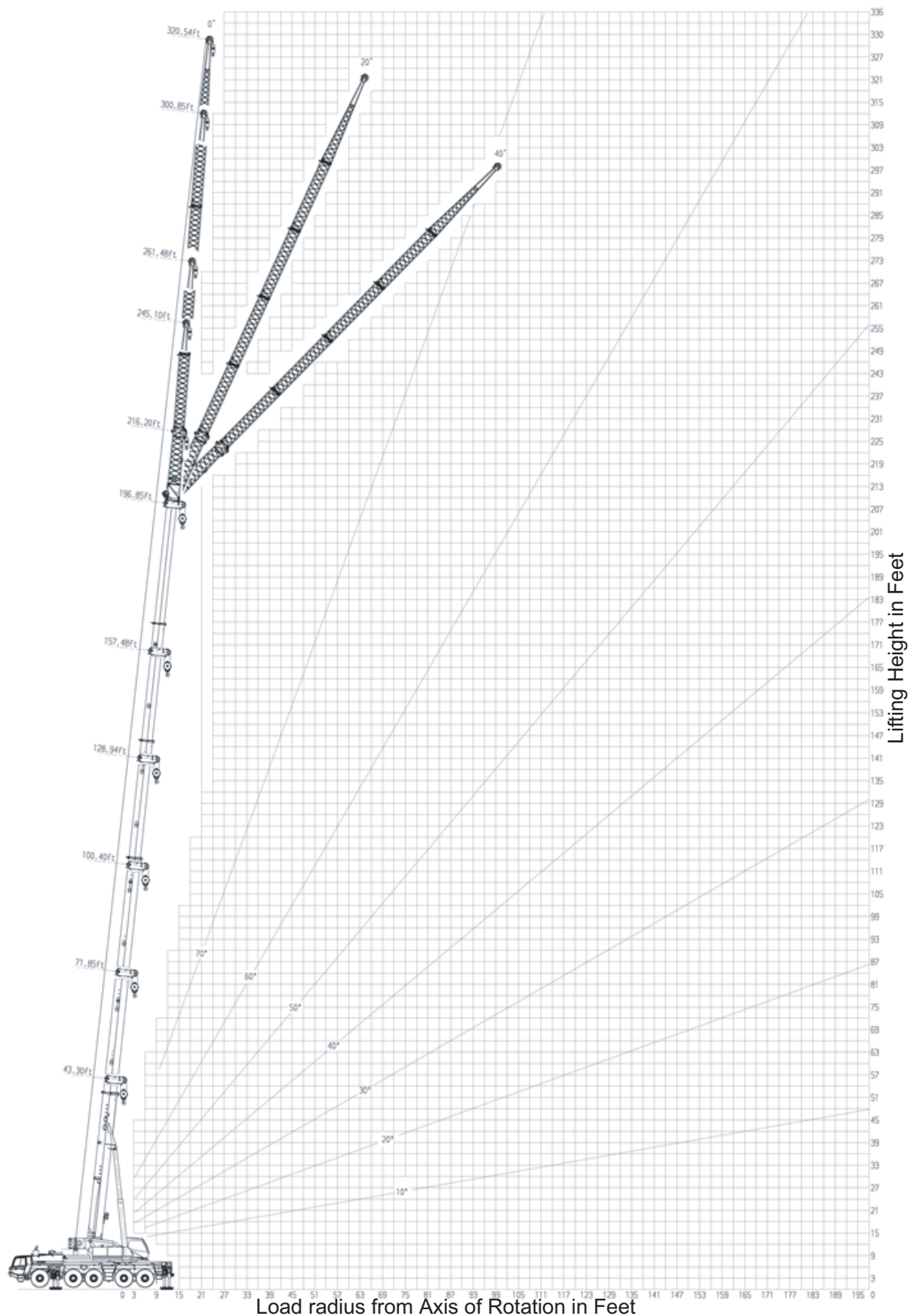
Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine

## Counterweight 55,115 lbs

| Work.<br>Radius<br>(ft) | Lifting capacities in 1,000 lbs according per SAE J765 on telescopic boorr<br>On outriggers, 360° working area<br><b>Outrigger base 18.37 ft</b> |            |            |            |            |            |            |            |            |            |            |            |            |        |    |      | Work.<br>Radius<br>(ft) |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------|----|------|-------------------------|
|                         | Boom length (ft)                                                                                                                                 |            |            |            |            |            |            |            |            |            |            |            |            |        |    |      |                         |
|                         | 128.9<br>°                                                                                                                                       | 128.9<br>° | 128.9<br>° | 143.4<br>° | 143.4<br>° | 143.3<br>° | 157.5<br>° | 157.5<br>° | 157.5<br>° | 171.9<br>° | 171.9<br>° | 186.0<br>° | 196.9<br>° |        |    |      |                         |
| 9                       |                                                                                                                                                  |            |            |            |            |            |            |            |            |            |            |            |            |        |    |      | 9                       |
| 10                      |                                                                                                                                                  |            |            |            |            |            |            |            |            |            |            |            |            |        |    |      | 10                      |
| 12                      |                                                                                                                                                  |            |            |            |            |            |            |            |            |            |            |            |            |        |    |      | 12                      |
| 14                      |                                                                                                                                                  |            |            |            |            |            |            |            |            |            |            |            |            |        |    |      | 14                      |
| 16                      |                                                                                                                                                  |            |            |            |            |            |            |            |            |            |            |            |            |        |    |      | 16                      |
| 18                      |                                                                                                                                                  |            |            |            |            |            |            |            |            |            |            |            |            |        |    |      | 18                      |
| 20                      | 81                                                                                                                                               | 57.2       | 81         | 90.4       | 81         | 71.0       | 82         | 49.4       | 82         | 54.0       | 82         | 73.6       |            |        |    |      | 20                      |
| 25                      | 78                                                                                                                                               | 51.6       | 78         | 74.8       | 78         | 68.0       | 80         | 49.4       | 80         | 53.7       | 80         | 69.4       | 81         | 43.0   | 81 | 59.3 | 25                      |
| 30                      | 76                                                                                                                                               | 45.9       | 76         | 58.9       | 76         | 61.6       | 78         | 47.2       | 78         | 50.1       | 78         | 56.9       | 80         | 43.0   | 80 | 55.0 | 30                      |
| 35                      | 74                                                                                                                                               | 41.4       | 74         | 48.8       | 74         | 52.4       | 76         | 42.8       | 76         | 45.9       | 76         | 46.7       | 78         | 42.0   | 78 | 45.5 | 35                      |
| 40                      | 72                                                                                                                                               | 37.5       | 72         | 40.4       | 72         | 44.1       | 74         | 39.1       | 74         | 41.9       | 74         | 38.9       | 76         | 39.5   | 76 | 38.1 | 40                      |
| 45                      | 69                                                                                                                                               | 34.1       | 69         | 34.2       | 69         | 37.6       | 71         | 36.1       | 71         | 36.9       | 71         | 32.7       | 74         | 36.5   | 74 | 32.2 | 45                      |
| 50                      | 66                                                                                                                                               | 31.3       | 66         | 29.2       | 66         | 32.5       | 69         | 33.3       | 69         | 32.4       | 69         | 28.0       | 72         | 32.1   | 72 | 27.5 | 50                      |
| 55                      | 64                                                                                                                                               | 28.9       | 64         | 24.8       | 64         | 28.0       | 67         | 29.9       | 67         | 28.4       | 67         | 24.0       | 70         | 28.1   | 70 | 23.7 | 55                      |
| 60                      | 61                                                                                                                                               | 26.4       | 61         | 20.7       | 61         | 23.8       | 65         | 26.0       | 65         | 24.7       | 65         | 20.5       | 68         | 24.8   | 68 | 20.4 | 60                      |
| 65                      | 58                                                                                                                                               | 22.9       | 58         | 17.4       | 58         | 20.3       | 62         | 22.7       | 62         | 21.2       | 62         | 17.2       | 66         | 21.8   | 66 | 17.7 | 65                      |
| 70                      | 56                                                                                                                                               | 20.1       | 56         | 14.6       | 56         | 17.5       | 60         | 19.8       | 60         | 18.4       | 60         | 14.4       | 64         | 19.0   | 64 | 15.1 | 70                      |
| 75                      | 53                                                                                                                                               | 17.7       | 53         | 12.2       | 53         | 15.1       | 58         | 17.3       | 58         | 16.0       | 58         | 12.1       | 62         | 16.5   | 62 | 12.7 | 75                      |
| 80                      | 50                                                                                                                                               | 15.6       | 50         | 10.2       | 50         | 13.0       | 55         | 15.2       | 55         | 13.9       | 55         | 10.1       | 59         | 14.3   | 59 | 10.6 | 80                      |
| 85                      | 47                                                                                                                                               | 13.8       | 47         | 8.5        | 47         | 11.3       | 53         | 13.3       | 53         | 12.0       | 53         | 8.3        | 57         | 12.7   | 57 | 8.7  | 85                      |
| 90                      | 43                                                                                                                                               | 12.1       | 43         | 7.0        | 43         | 9.8        | 50         | 11.8       | 50         | 10.5       | 50         | 6.7        | 55         | 11.0   | 55 | 7.2  | 90                      |
| 95                      | 40                                                                                                                                               | 10.7       | 40         | 5.6        | 40         | 8.4        | 47         | 10.4       | 47         | 9.1        | 47         | 5.4        | 53         | 9.6    | 53 | 5.9  | 95                      |
| 100                     | 36                                                                                                                                               | 9.6        | 36         | 4.3        | 36         | 7.1        | 44         | 9.1        | 44         | 7.8        | 44         | 4.3        | 50         | 8.4    | 50 | 4.7  | 100                     |
| 110                     | 27                                                                                                                                               | 7.4        |            |            | 27         | 4.9        | 38         | 6.9        | 38         | 5.8        |            |            | 45         | 6.3    |    |      | 110                     |
| 120                     |                                                                                                                                                  |            |            |            |            |            | 29         | 5.3        | 29         | 4.1        |            |            | 39         | 4.5    |    |      | 120                     |
| 130                     |                                                                                                                                                  |            |            |            |            |            | 18         | 3.9        |            |            |            |            | 32         | 3.0    |    |      | 130                     |
| 140                     |                                                                                                                                                  |            |            |            |            |            |            |            |            |            |            |            |            |        |    |      | 140                     |
| 150                     |                                                                                                                                                  |            |            |            |            |            |            |            |            |            |            |            |            |        |    |      | 150                     |
| 160                     |                                                                                                                                                  |            |            |            |            |            |            |            |            |            |            |            |            |        |    |      | 160                     |
| 170                     |                                                                                                                                                  |            |            |            |            |            |            |            |            |            |            |            |            |        |    |      | 170                     |
| 180                     |                                                                                                                                                  |            |            |            |            |            |            |            |            |            |            |            |            |        |    |      | 180                     |
| 190                     |                                                                                                                                                  |            |            |            |            |            |            |            |            |            |            |            |            |        |    |      | 190                     |
| Telescoping sequence %  |                                                                                                                                                  |            |            |            |            |            |            |            |            |            |            |            |            |        |    |      |                         |
| Tel. 1                  | 0                                                                                                                                                | 93         | 46         | 0          | 46         | 93         | 0          | 93         | 46         | 46         | 93         | 93         | 100        | Tel. 1 |    |      |                         |
| Tel. 2                  | 0                                                                                                                                                | 46         | 46         | 46         | 46         | 93         | 93         | 93         | 93         | 93         | 93         | 93         | 100        | Tel. 2 |    |      |                         |
| Tel. 3                  | 93                                                                                                                                               | 46         | 46         | 93         | 46         | 46         | 93         | 93         | 93         | 93         | 93         | 93         | 100        | Tel. 3 |    |      |                         |
| Tel. 4                  | 93                                                                                                                                               | 46         | 46         | 93         | 93         | 46         | 93         | 46         | 93         | 93         | 93         | 93         | 100        | Tel. 4 |    |      |                         |
| Tel. 5                  | 93                                                                                                                                               | 46         | 93         | 93         | 93         | 46         | 93         | 46         | 46         | 93         | 46         | 93         | 100        | Tel. 5 |    |      |                         |

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

# ATF160G-5 WORKING RANGE CHART



**NOTE:** Boom and jib geometry shown are for unloaded condition and machine standing level on firm supporting surface. Boom deflection and subsequent radius and boom angle change must be accounted for when applying load to hook.

## Counterweight 112,435 lbs

| Working<br>Radius<br>(ft) | Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 17.72 ft<br>On outriggers, 360° working area<br><b>Outrigger base 27.23 ft</b> |          |          |      |                                 |          |          |      |         |          |                                 |      |         |          |          |      | Working<br>Radius<br>(ft) |      |     |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|------|---------------------------------|----------|----------|------|---------|----------|---------------------------------|------|---------|----------|----------|------|---------------------------|------|-----|
|                           | Boom length 43.3 ft                                                                                                                              |          |          |      | Boom length 43.3 ft to 186.0 ft |          |          |      |         |          | Boom length 43.3 ft to 196.9 ft |      |         |          |          |      |                           |      |     |
|                           | Fly jib 17.72 ft<br>offset                                                                                                                       |          |          |      | Fly jib 17.72 ft<br>offset      |          |          |      |         |          | Fly jib 17.72 ft<br>offset      |      |         |          |          |      |                           |      |     |
|                           | 0°<br>°                                                                                                                                          | 20°<br>° | 40°<br>° |      | 5°<br>°                         | 20°<br>° | 40°<br>° |      | 5°<br>° | 20°<br>° | 40°<br>°                        |      | 5°<br>° | 20°<br>° | 40°<br>° |      |                           |      |     |
| 10                        | 76                                                                                                                                               | 72.8     |          |      |                                 |          |          |      |         |          |                                 |      |         |          |          |      | 10                        |      |     |
| 12                        | 74                                                                                                                                               | 68.7     | 79       | 51.4 |                                 |          |          |      |         |          |                                 |      |         |          |          |      | 12                        |      |     |
| 14                        | 72                                                                                                                                               | 65.7     | 77       | 49.3 |                                 |          |          |      |         |          |                                 |      |         |          |          |      | 14                        |      |     |
| 16                        | 70                                                                                                                                               | 63.0     | 75       | 47.9 | 79                              | 40.3     |          |      |         |          |                                 |      |         |          |          |      | 16                        |      |     |
| 18                        | 68                                                                                                                                               | 60.0     | 74       | 46.4 | 78                              | 39.8     |          |      |         |          |                                 |      |         |          |          |      | 18                        |      |     |
| 20                        | 66                                                                                                                                               | 57.0     | 72       | 45.0 | 76                              | 39.4     |          |      |         |          |                                 |      |         |          |          |      | 20                        |      |     |
| 25                        | 61                                                                                                                                               | 51.8     | 66       | 42.6 | 70                              | 38.2     |          |      |         |          |                                 |      |         |          |          |      | 25                        |      |     |
| 30                        | 55                                                                                                                                               | 47.3     | 60       | 40.6 | 63                              | 37.2     |          |      |         |          |                                 |      |         |          |          |      | 30                        |      |     |
| 35                        | 49                                                                                                                                               | 43.9     | 54       | 38.9 | 57                              | 37.0     | 80       | 23.0 |         |          |                                 |      |         |          |          |      | 35                        |      |     |
| 40                        | 42                                                                                                                                               | 41.2     | 47       | 37.8 | 50                              | 37.0     | 79       | 21.9 | 81      | 20.2     |                                 |      | 80      | 20.4     |          |      | 40                        |      |     |
| 45                        | 34                                                                                                                                               | 39.0     | 39       | 37.2 |                                 |          | 78       | 20.9 | 79      | 19.3     |                                 |      | 79      | 19.4     | 80       | 18.0 | 45                        |      |     |
| 50                        | 22                                                                                                                                               | 37.6     |          |      |                                 |          | 77       | 19.9 | 78      | 18.5     | 80                              | 17.5 | 78      | 18.5     | 79       | 17.3 | 80                        | 16.4 | 50  |
| 55                        |                                                                                                                                                  |          |          |      |                                 |          | 75       | 19.1 | 77      | 17.7     | 78                              | 16.9 | 76      | 17.7     | 78       | 16.6 | 79                        | 15.8 | 55  |
| 60                        |                                                                                                                                                  |          |          |      |                                 |          | 74       | 18.4 | 76      | 17.1     | 77                              | 16.4 | 75      | 17.1     | 77       | 16.0 | 78                        | 15.3 | 60  |
| 65                        |                                                                                                                                                  |          |          |      |                                 |          | 73       | 17.5 | 74      | 16.6     | 75                              | 15.9 | 74      | 16.4     | 75       | 15.5 | 76                        | 14.8 | 65  |
| 70                        |                                                                                                                                                  |          |          |      |                                 |          | 72       | 16.8 | 73      | 16.1     | 74                              | 15.4 | 73      | 15.7     | 74       | 15.0 | 75                        | 14.3 | 70  |
| 75                        |                                                                                                                                                  |          |          |      |                                 |          | 70       | 16.3 | 71      | 15.6     | 72                              | 14.9 | 71      | 15.1     | 73       | 14.5 | 74                        | 13.9 | 75  |
| 80                        |                                                                                                                                                  |          |          |      |                                 |          | 69       | 15.7 | 70      | 15.1     | 71                              | 14.5 | 70      | 14.6     | 72       | 14.0 | 73                        | 13.6 | 80  |
| 85                        |                                                                                                                                                  |          |          |      |                                 |          | 67       | 15.0 | 69      | 14.6     | 69                              | 14.1 | 69      | 14.1     | 70       | 13.5 | 71                        | 13.2 | 85  |
| 90                        |                                                                                                                                                  |          |          |      |                                 |          | 66       | 14.5 | 68      | 14.1     | 68                              | 13.8 | 68      | 13.6     | 69       | 13.1 | 70                        | 12.9 | 90  |
| 95                        |                                                                                                                                                  |          |          |      |                                 |          | 64       | 14.1 | 66      | 13.6     | 66                              | 13.4 | 66      | 13.1     | 67       | 12.7 | 68                        | 12.5 | 95  |
| 100                       |                                                                                                                                                  |          |          |      |                                 |          | 63       | 13.7 | 64      | 13.1     | 65                              | 12.9 | 65      | 12.7     | 66       | 12.2 | 67                        | 12.0 | 100 |
| 110                       |                                                                                                                                                  |          |          |      |                                 |          | 59       | 12.9 | 60      | 12.4     | 61                              | 12.2 | 61      | 12.0     | 63       | 11.6 | 63                        | 11.3 | 110 |
| 120                       |                                                                                                                                                  |          |          |      |                                 |          | 56       | 12.2 | 57      | 11.8     | 58                              | 11.6 | 58      | 11.3     | 59       | 11.0 | 60                        | 10.9 | 120 |
| 130                       |                                                                                                                                                  |          |          |      |                                 |          | 53       | 11.5 | 54      | 11.3     | 54                              | 11.1 | 55      | 10.8     | 56       | 10.4 | 57                        | 10.4 | 130 |
| 140                       |                                                                                                                                                  |          |          |      |                                 |          | 49       | 11.0 | 50      | 10.8     | 51                              | 10.7 | 52      | 10.4     | 53       | 10.1 | 54                        | 9.9  | 140 |
| 150                       |                                                                                                                                                  |          |          |      |                                 |          | 45       | 10.6 | 46      | 10.4     | 46                              | 10.4 | 49      | 9.9      | 50       | 9.6  | 50                        | 9.5  | 150 |
| 160                       |                                                                                                                                                  |          |          |      |                                 |          | 41       | 10.1 | 42      | 9.9      | 42                              | 10.1 | 45      | 9.4      | 46       | 9.1  | 46                        | 9.1  | 160 |
| 170                       |                                                                                                                                                  |          |          |      |                                 |          | 35       | 8.9  | 36      | 8.9      |                                 |      | 40      | 8.8      | 41       | 8.6  | 41                        | 8.6  | 170 |
| 180                       |                                                                                                                                                  |          |          |      |                                 |          | 29       | 7.7  | 29      | 7.6      |                                 |      | 35      | 7.7      | 36       | 7.7  |                           |      | 180 |
| 190                       |                                                                                                                                                  |          |          |      |                                 |          |          |      |         |          |                                 |      | 29      | 6.4      | 29       | 6.4  |                           |      | 190 |
| 200                       |                                                                                                                                                  |          |          |      |                                 |          |          |      |         |          |                                 |      | 22      | 5.1      | 22       | 5.1  |                           |      | 200 |
| 210                       |                                                                                                                                                  |          |          |      |                                 |          |          |      |         |          |                                 |      |         |          |          |      |                           |      | 210 |
| 220                       |                                                                                                                                                  |          |          |      |                                 |          |          |      |         |          |                                 |      |         |          |          |      |                           |      | 220 |
| Telescoping sequence %    |                                                                                                                                                  |          |          |      |                                 |          |          |      |         |          |                                 |      |         |          |          |      |                           |      |     |
| Tel. 1                    | 0                                                                                                                                                |          |          |      | 93                              |          |          |      | 100     |          |                                 |      | Tel. 1  |          |          |      |                           |      |     |
| Tel. 2                    | 0                                                                                                                                                |          |          |      | 93                              |          |          |      | 100     |          |                                 |      | Tel. 2  |          |          |      |                           |      |     |
| Tel. 3                    | 0                                                                                                                                                |          |          |      | 93                              |          |          |      | 100     |          |                                 |      | Tel. 3  |          |          |      |                           |      |     |
| Tel. 4                    | 0                                                                                                                                                |          |          |      | 93                              |          |          |      | 100     |          |                                 |      | Tel. 4  |          |          |      |                           |      |     |
| Tel. 5                    | 0                                                                                                                                                |          |          |      | 93                              |          |          |      | 100     |          |                                 |      | Tel. 5  |          |          |      |                           |      |     |

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

## Counterweight 112,435 lbs

| Working<br>Radius<br>(ft) | Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 43.3 ft / 63.0 ft / 82.7 ft / 102.4 ft / 122.0 ft<br>On outriggers, 360° working area<br><b>Outrigger base 27.23 ft</b><br>Boom length 43.3 ft to 186.0 ft |      |     |      |     |     |                           |      |     |     |     |     |                           |     |     |     |     |     |                            |     |     |     |     |     | Working<br>Radius<br>(ft) |                            |    |     |   |     |  |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|------|-----|-----|---------------------------|------|-----|-----|-----|-----|---------------------------|-----|-----|-----|-----|-----|----------------------------|-----|-----|-----|-----|-----|---------------------------|----------------------------|----|-----|---|-----|--|
|                           | Fly jib 43.3 ft<br>offset                                                                                                                                                                                                    |      |     |      |     |     | Fly jib 63.0 ft<br>offset |      |     |     |     |     | Fly jib 82.7 ft<br>offset |     |     |     |     |     | Fly jib 102.4 ft<br>offset |     |     |     |     |     |                           | Fly jib 122.0 ft<br>offset |    |     |   |     |  |
|                           | 0°                                                                                                                                                                                                                           |      | 20° |      | 40° |     | 0°                        |      | 20° |     | 40° |     | 0°                        |     | 20° |     | 40° |     | 0°                         |     | 20° |     | 40° |     |                           | 0°                         |    | 20° |   | 40° |  |
|                           | ∠                                                                                                                                                                                                                            | ∠    | ∠   | ∠    | ∠   | ∠   | ∠                         | ∠    | ∠   | ∠   | ∠   | ∠   | ∠                         | ∠   | ∠   | ∠   | ∠   | ∠   | ∠                          | ∠   | ∠   | ∠   | ∠   | ∠   |                           | ∠                          | ∠  | ∠   | ∠ | ∠   |  |
| 40                        | 80                                                                                                                                                                                                                           | 16.5 |     |      |     |     | 81                        | 12.3 |     |     |     |     | 82                        | 9.3 |     |     |     |     |                            |     |     |     |     |     |                           |                            |    |     |   | 40  |  |
| 45                        | 79                                                                                                                                                                                                                           | 16.5 |     |      |     |     | 80                        | 12.3 |     |     |     |     | 81                        | 9.3 |     |     |     |     |                            |     |     |     |     |     |                           |                            |    |     |   | 45  |  |
| 50                        | 78                                                                                                                                                                                                                           | 16.0 |     |      |     |     | 79                        | 12.3 |     |     |     |     | 80                        | 9.3 |     |     |     |     | 80                         | 6.9 |     |     |     |     |                           |                            |    |     |   | 50  |  |
| 55                        | 77                                                                                                                                                                                                                           | 15.3 | 81  | 12.2 |     |     | 78                        | 12.3 |     |     |     |     | 79                        | 9.3 |     |     |     |     |                            | 80  | 6.8 |     |     |     | 81                        | 4.8                        |    |     |   | 55  |  |
| 60                        | 76                                                                                                                                                                                                                           | 14.7 | 80  | 11.8 |     |     | 77                        | 12.3 |     |     |     |     | 78                        | 9.3 |     |     |     |     | 79                         | 6.6 |     |     |     |     | 80                        | 4.6                        |    |     |   | 60  |  |
| 65                        | 74                                                                                                                                                                                                                           | 14.2 | 78  | 11.5 |     |     | 76                        | 11.9 |     |     |     |     | 77                        | 9.3 |     |     |     |     | 78                         | 6.4 |     |     |     |     | 79                        | 4.4                        |    |     |   | 65  |  |
| 70                        | 73                                                                                                                                                                                                                           | 13.7 | 77  | 11.3 | 80  | 9.6 | 75                        | 11.5 | 80  | 9.8 |     |     | 76                        | 9.0 |     |     |     |     | 77                         | 6.4 |     |     |     |     | 78                        | 4.4                        |    |     |   | 70  |  |
| 75                        | 72                                                                                                                                                                                                                           | 13.2 | 76  | 11.1 | 79  | 9.4 | 74                        | 11.1 | 79  | 9.5 |     |     | 76                        | 8.7 |     |     |     |     | 77                         | 6.3 |     |     |     |     | 78                        | 4.3                        |    |     |   | 75  |  |
| 80                        | 71                                                                                                                                                                                                                           | 12.7 | 75  | 10.8 | 78  | 9.3 | 73                        | 10.7 | 78  | 9.2 |     |     | 75                        | 8.6 | 81  | 7.0 |     |     | 76                         | 6.1 |     |     |     |     | 77                        | 4.2                        |    |     |   | 80  |  |
| 85                        | 70                                                                                                                                                                                                                           | 12.4 | 73  | 10.6 | 76  | 9.3 | 72                        | 10.4 | 76  | 9.0 |     |     | 73                        | 8.4 | 79  | 6.8 |     |     | 75                         | 6.0 |     |     |     |     | 76                        | 4.2                        |    |     |   | 85  |  |
| 90                        | 69                                                                                                                                                                                                                           | 11.9 | 72  | 10.4 | 75  | 9.1 | 71                        | 10.0 | 75  | 8.7 | 79  | 8.0 | 72                        | 8.2 | 78  | 6.7 |     |     | 74                         | 5.8 |     |     |     |     | 75                        | 4.0                        |    |     |   | 90  |  |
| 95                        | 67                                                                                                                                                                                                                           | 11.5 | 71  | 10.2 | 73  | 8.9 | 70                        | 9.7  | 74  | 8.5 | 78  | 7.8 | 72                        | 8.1 | 77  | 6.5 |     |     | 73                         | 5.7 | 80  | 4.5 |     |     | 75                        | 3.9                        |    |     |   | 95  |  |
| 100                       | 66                                                                                                                                                                                                                           | 11.1 | 70  | 9.9  | 72  | 8.8 | 69                        | 9.4  | 73  | 8.3 | 77  | 7.7 | 71                        | 7.9 | 76  | 6.4 | 81  | 5.5 | 72                         | 5.7 | 79  | 4.4 |     |     | 74                        | 3.7                        |    |     |   | 100 |  |
| 110                       | 63                                                                                                                                                                                                                           | 10.5 | 66  | 9.5  | 69  | 8.6 | 66                        | 8.9  | 70  | 7.8 | 74  | 7.2 | 68                        | 7.4 | 74  | 6.2 | 78  | 5.3 | 70                         | 5.3 | 77  | 4.2 |     |     | 72                        | 3.6                        | 79 | 2.9 |   | 110 |  |
| 120                       | 60                                                                                                                                                                                                                           | 10.0 | 64  | 9.0  | 66  | 8.4 | 64                        | 8.3  | 68  | 7.4 | 71  | 7.0 | 66                        | 7.0 | 72  | 6.0 | 76  | 5.2 | 68                         | 5.1 | 75  | 4.1 | 80  | 3.7 | 70                        | 3.5                        | 78 | 2.6 |   | 120 |  |
| 130                       | 58                                                                                                                                                                                                                           | 9.3  | 61  | 8.6  | 63  | 8.2 | 61                        | 8.0  | 65  | 7.1 | 69  | 6.7 | 64                        | 6.7 | 69  | 5.8 | 73  | 5.1 | 66                         | 4.9 | 73  | 4.0 | 78  | 3.5 | 68                        | 3.3                        | 76 | 2.5 |   | 130 |  |
| 140                       | 55                                                                                                                                                                                                                           | 9.0  | 58  | 8.3  | 60  | 8.0 | 59                        | 7.5  | 63  | 6.8 | 66  | 6.3 | 62                        | 6.3 | 67  | 5.4 | 71  | 4.9 | 64                         | 4.7 | 71  | 3.8 | 76  | 3.4 | 67                        | 3.2                        | 74 | 2.4 |   | 140 |  |
| 150                       | 52                                                                                                                                                                                                                           | 8.5  | 55  | 8.0  | 57  | 7.7 | 56                        | 7.2  | 60  | 6.4 | 63  | 6.1 | 60                        | 6.0 | 65  | 5.2 | 69  | 4.8 | 62                         | 4.5 | 69  | 3.7 | 74  | 3.3 | 65                        | 3.0                        | 72 | 2.3 |   | 150 |  |
| 160                       | 48                                                                                                                                                                                                                           | 8.1  | 51  | 7.7  | 53  | 7.5 | 53                        | 7.0  | 57  | 6.1 | 60  | 5.9 | 57                        | 5.6 | 62  | 5.0 | 66  | 4.6 | 60                         | 4.4 | 66  | 3.5 | 71  | 3.3 | 63                        | 2.8                        | 70 | 2.2 |   | 160 |  |
| 170                       | 45                                                                                                                                                                                                                           | 7.7  | 48  | 7.5  | 49  | 7.3 | 50                        | 6.6  | 54  | 6.0 | 56  | 5.7 | 54                        | 5.3 | 59  | 4.9 | 63  | 4.6 | 58                         | 4.2 | 64  | 3.5 | 68  | 3.1 | 61                        | 2.7                        | 68 | 2.2 |   | 170 |  |
| 180                       | 41                                                                                                                                                                                                                           | 7.6  | 44  | 7.2  | 45  | 7.1 | 47                        | 6.3  | 51  | 5.8 | 53  | 5.6 | 52                        | 5.1 | 57  | 4.7 | 60  | 4.5 | 56                         | 4.0 | 62  | 3.4 | 66  | 3.1 | 59                        | 2.5                        |    |     |   | 180 |  |
| 190                       | 37                                                                                                                                                                                                                           | 7.2  | 39  | 6.8  | 40  | 6.9 | 44                        | 6.1  | 48  | 5.6 | 49  | 5.4 | 49                        | 5.0 | 54  | 4.5 | 57  | 4.3 | 53                         | 3.9 | 59  | 3.2 | 63  | 3.0 | 57                        | 2.4                        |    |     |   | 190 |  |
| 200                       | 31                                                                                                                                                                                                                           | 6.5  | 34  | 6.3  | 33  | 6.4 | 40                        | 5.8  | 44  | 5.5 | 45  | 5.3 | 46                        | 4.8 | 51  | 4.4 | 53  | 4.1 | 50                         | 3.7 | 56  | 3.1 | 60  | 2.9 | 54                        | 2.4                        |    |     |   | 200 |  |
| 210                       | 25                                                                                                                                                                                                                           | 5.3  | 27  | 5.3  | 24  | 4.8 | 36                        | 5.5  | 39  | 5.3 | 40  | 5.3 | 43                        | 4.6 | 47  | 4.2 | 49  | 4.0 | 48                         | 3.5 | 54  | 3.1 | 57  | 2.9 | 52                        | 2.2                        |    |     |   | 210 |  |
| 220                       |                                                                                                                                                                                                                              |      |     |      |     |     | 31                        | 4.8  | 34  | 4.8 | 32  | 4.6 | 39                        | 4.5 | 43  | 4.0 | 44  | 4.0 | 45                         | 3.5 | 50  | 2.9 | 53  | 2.9 | 50                        | 2.2                        |    |     |   | 220 |  |
| 230                       |                                                                                                                                                                                                                              |      |     |      |     |     | 24                        | 3.9  | 26  | 3.8 |     |     | 35                        | 4.1 | 39  | 3.9 | 39  | 3.9 | 42                         | 3.4 | 47  | 2.9 | 49  | 2.9 |                           |                            |    |     |   | 230 |  |
| 240                       |                                                                                                                                                                                                                              |      |     |      |     |     |                           |      |     |     |     |     | 30                        | 3.4 | 33  | 3.4 |     |     | 39                         | 3.2 | 44  | 2.9 | 44  | 2.9 |                           |                            |    |     |   | 240 |  |
| 250                       |                                                                                                                                                                                                                              |      |     |      |     |     |                           |      |     |     |     |     | 24                        | 2.6 | 27  | 2.6 |     |     | 35                         | 2.8 | 40  | 2.9 | 39  | 2.9 |                           |                            |    |     |   | 250 |  |
| Telescoping sequence %    |                                                                                                                                                                                                                              |      |     |      |     |     |                           |      |     |     |     |     |                           |     |     |     |     |     |                            |     |     |     |     |     |                           |                            |    |     |   |     |  |
| Tel. 1                    | 93                                                                                                                                                                                                                           |      |     |      |     |     |                           |      |     |     |     |     |                           |     |     |     |     |     |                            |     |     |     |     |     | Tel. 1                    |                            |    |     |   |     |  |
| Tel. 2                    | 93                                                                                                                                                                                                                           |      |     |      |     |     |                           |      |     |     |     |     |                           |     |     |     |     |     |                            |     |     |     |     |     | Tel. 2                    |                            |    |     |   |     |  |
| Tel. 3                    | 93                                                                                                                                                                                                                           |      |     |      |     |     |                           |      |     |     |     |     |                           |     |     |     |     |     |                            |     |     |     |     |     | Tel. 3                    |                            |    |     |   |     |  |
| Tel. 4                    | 93                                                                                                                                                                                                                           |      |     |      |     |     |                           |      |     |     |     |     |                           |     |     |     |     |     |                            |     |     |     |     |     | Tel. 4                    |                            |    |     |   |     |  |
| Tel. 5                    | 93                                                                                                                                                                                                                           |      |     |      |     |     |                           |      |     |     |     |     |                           |     |     |     |     |     |                            |     |     |     |     |     | Tel. 5                    |                            |    |     |   |     |  |

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine

## Counterweight 112,435 lbs

| Working Radius<br>(ft) | Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 43.3 ft / 63.0 ft / 82.7 ft / 102.4 ft / 122.0 ft<br>On outriggers, 360° working area<br><b>Outrigger base 27.23 ft</b><br>Boom length 43.3 ft to 196.9 ft |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |   | Working Radius<br>(ft) |                         |        |     |   |     |     |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|------|-----|-----|------------------------|------|-----|-----|-----|-----|------------------------|-----|-----|-----|-----|-----|-------------------------|-----|-----|-----|-----|---|------------------------|-------------------------|--------|-----|---|-----|-----|
|                        | Fly jib 43.3 ft offset                                                                                                                                                                                                       |      |     |      |     |     | Fly jib 63.0 ft offset |      |     |     |     |     | Fly jib 82.7 ft offset |     |     |     |     |     | Fly jib 102.4 ft offset |     |     |     |     |   |                        | Fly jib 122.0 ft offset |        |     |   |     |     |
|                        | 0°                                                                                                                                                                                                                           |      | 20° |      | 40° |     | 0°                     |      | 20° |     | 40° |     | 0°                     |     | 20° |     | 40° |     | 0°                      |     | 20° |     | 40° |   |                        | 0°                      |        | 20° |   | 40° |     |
|                        | ∠                                                                                                                                                                                                                            | °    | ∠   | °    | ∠   | °   | ∠                      | °    | ∠   | °   | ∠   | °   | ∠                      | °   | ∠   | °   | ∠   | °   | ∠                       | °   | ∠   | °   | ∠   | ° |                        | ∠                       | °      | ∠   | ° | ∠   | °   |
| 40                     | 81                                                                                                                                                                                                                           | 13.9 |     |      |     |     | 81                     | 10.6 |     |     |     |     | ∠                      |     | ∠   |     |     |     |                         | ∠   |     | ∠   |     |   |                        | ∠                       |        | ∠   |   |     | 40  |
| 45                     | 79                                                                                                                                                                                                                           | 13.9 |     |      |     |     | 80                     | 10.6 |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |   |                        |                         |        |     |   |     | 45  |
| 50                     | 78                                                                                                                                                                                                                           | 13.9 |     |      |     |     | 79                     | 10.6 |     |     |     |     | 81                     | 7.9 |     |     |     |     |                         | 82  | 6.2 |     |     |   |                        |                         |        |     |   |     | 50  |
| 55                     | 78                                                                                                                                                                                                                           | 13.9 |     |      |     |     | 79                     | 10.6 |     |     |     |     | 80                     | 7.9 |     |     |     |     |                         | 81  | 6.2 |     |     |   |                        | 81                      | 4.5    |     |   |     | 55  |
| 60                     | 77                                                                                                                                                                                                                           | 13.9 | 80  | 11.7 |     |     | 78                     | 10.6 |     |     |     |     | 79                     | 7.9 |     |     |     |     |                         | 80  | 6.2 |     |     |   |                        | 80                      | 4.4    |     |   |     | 60  |
| 65                     | 75                                                                                                                                                                                                                           | 13.8 | 79  | 11.5 |     |     | 77                     | 10.6 |     |     |     |     | 78                     | 7.9 |     |     |     |     |                         | 79  | 6.2 |     |     |   |                        | 79                      | 4.2    |     |   |     | 65  |
| 70                     | 74                                                                                                                                                                                                                           | 12.8 | 78  | 11.2 | 80  | 9.6 | 76                     | 10.6 | 80  | 9.4 |     |     | 77                     | 7.9 |     |     |     |     | 78                      | 6.0 |     |     |     |   | 78                     | 4.2                     |        |     |   |     | 70  |
| 75                     | 74                                                                                                                                                                                                                           | 12.4 | 77  | 10.9 | 79  | 9.4 | 75                     | 10.4 | 80  | 9.1 |     |     | 76                     | 7.9 |     |     |     |     | 77                      | 6.0 |     |     |     |   | 78                     | 4.1                     |        |     |   |     | 75  |
| 80                     | 73                                                                                                                                                                                                                           | 12.0 | 76  | 10.7 | 78  | 9.2 | 74                     | 10.1 | 79  | 8.8 |     |     | 75                     | 7.9 | 81  | 6.8 |     |     | 76                      | 5.9 |     |     |     |   | 77                     | 4.0                     |        |     |   |     | 80  |
| 85                     | 71                                                                                                                                                                                                                           | 11.5 | 74  | 10.4 | 77  | 9.0 | 73                     | 9.7  | 77  | 8.6 |     |     | 74                     | 7.9 | 80  | 6.6 |     |     | 75                      | 5.7 |     |     |     |   | 76                     | 4.0                     |        |     |   |     | 85  |
| 90                     | 70                                                                                                                                                                                                                           | 11.1 | 73  | 10.0 | 76  | 9.0 | 72                     | 9.4  | 76  | 8.3 | 80  | 7.6 | 73                     | 7.9 | 79  | 6.5 |     |     | 74                      | 5.6 |     |     |     |   | 75                     | 3.8                     |        |     |   |     | 90  |
| 95                     | 69                                                                                                                                                                                                                           | 10.8 | 72  | 9.7  | 75  | 8.9 | 71                     | 9.2  | 75  | 8.1 | 79  | 7.4 | 73                     | 7.7 | 78  | 6.4 |     |     | 74                      | 5.5 | 81  | 4.4 |     |   | 75                     | 3.7                     |        |     |   |     | 95  |
| 100                    | 68                                                                                                                                                                                                                           | 10.5 | 71  | 9.4  | 74  | 8.8 | 70                     | 8.9  | 74  | 7.8 | 78  | 7.2 | 72                     | 7.4 | 77  | 6.3 | 82  | 5.5 | 73                      | 5.5 | 80  | 4.4 |     |   | 74                     | 3.7                     |        |     |   |     | 100 |
| 110                    | 65                                                                                                                                                                                                                           | 10.0 | 68  | 9.1  | 70  | 8.4 | 67                     | 8.4  | 72  | 7.3 | 75  | 6.9 | 69                     | 7.1 | 75  | 6.0 | 79  | 5.3 | 71                      | 5.1 | 77  | 4.2 |     |   | 72                     | 3.5                     |        |     |   |     | 110 |
| 120                    | 62                                                                                                                                                                                                                           | 9.4  | 66  | 8.5  | 68  | 8.1 | 65                     | 7.9  | 69  | 7.0 | 73  | 6.6 | 68                     | 6.6 | 73  | 5.9 | 77  | 5.2 | 70                      | 5.0 | 76  | 4.0 |     |   | 71                     | 3.3                     |        |     |   |     | 120 |
| 130                    | 60                                                                                                                                                                                                                           | 8.9  | 63  | 8.2  | 65  | 7.8 | 63                     | 7.5  | 67  | 6.7 | 70  | 6.2 | 65                     | 6.2 | 71  | 5.6 | 75  | 5.1 | 67                      | 4.9 | 73  | 4.0 |     |   | 69                     | 3.1                     |        |     |   |     | 130 |
| 140                    | 57                                                                                                                                                                                                                           | 8.4  | 60  | 7.9  | 62  | 7.6 | 61                     | 7.2  | 65  | 6.3 | 68  | 6.0 | 63                     | 5.9 | 69  | 5.2 | 73  | 4.9 | 66                      | 4.7 | 72  | 3.8 |     |   | 68                     | 3.1                     |        |     |   |     | 140 |
| 150                    | 54                                                                                                                                                                                                                           | 8.0  | 57  | 7.5  | 59  | 7.3 | 58                     | 6.9  | 62  | 6.1 | 65  | 5.9 | 61                     | 5.6 | 67  | 5.0 | 70  | 4.8 | 64                      | 4.5 | 70  | 3.7 |     |   | 66                     | 3.0                     |        |     |   |     | 150 |
| 160                    | 51                                                                                                                                                                                                                           | 7.6  | 54  | 7.2  | 56  | 7.0 | 55                     | 6.5  | 59  | 5.9 | 62  | 5.6 | 59                     | 5.4 | 64  | 4.8 | 67  | 4.6 | 62                      | 4.4 | 67  | 3.5 |     |   | 64                     | 2.8                     |        |     |   |     | 160 |
| 170                    | 48                                                                                                                                                                                                                           | 7.3  | 51  | 6.9  | 52  | 6.8 | 53                     | 6.2  | 57  | 5.7 | 59  | 5.3 | 56                     | 5.1 | 61  | 4.6 | 65  | 4.4 | 60                      | 4.2 | 65  | 3.3 |     |   | 62                     | 2.7                     |        |     |   |     | 170 |
| 180                    | 45                                                                                                                                                                                                                           | 7.0  | 47  | 6.7  | 48  | 6.5 | 50                     | 5.9  | 54  | 5.4 | 56  | 5.1 | 54                     | 4.9 | 59  | 4.5 | 62  | 4.3 | 58                      | 4.0 | 63  | 3.1 |     |   | 61                     | 2.6                     |        |     |   |     | 180 |
| 190                    | 41                                                                                                                                                                                                                           | 6.6  | 44  | 6.5  | 44  | 6.3 | 47                     | 5.6  | 51  | 5.2 | 53  | 5.1 | 52                     | 4.7 | 56  | 4.3 | 59  | 4.1 | 56                      | 3.9 | 61  | 3.1 |     |   | 59                     | 2.5                     |        |     |   |     | 190 |
| 200                    | 37                                                                                                                                                                                                                           | 6.1  | 39  | 6.1  | 39  | 5.9 | 44                     | 5.4  | 47  | 5.0 | 49  | 5.0 | 49                     | 4.5 | 53  | 4.1 | 56  | 3.9 | 53                      | 3.7 | 58  | 3.0 |     |   | 54                     | 2.4                     |        |     |   |     | 200 |
| 210                    | 32                                                                                                                                                                                                                           | 5.1  | 34  | 5.3  | 33  | 5.1 | 40                     | 5.1  | 44  | 4.8 | 44  | 4.8 | 46                     | 4.2 | 50  | 3.7 | 53  | 3.7 | 51                      | 3.5 | 56  | 2.9 |     |   | 52                     | 2.4                     |        |     |   |     | 210 |
| 220                    | 25                                                                                                                                                                                                                           | 4.2  | 27  | 4.3  | 24  | 3.6 | 35                     | 4.6  | 39  | 4.7 | 39  | 4.7 | 43                     | 3.9 | 47  | 3.4 | 48  | 3.6 | 48                      | 3.4 | 53  | 2.7 |     |   | 49                     | 2.3                     |        |     |   |     | 220 |
| 230                    |                                                                                                                                                                                                                              |      |     |      |     |     | 30                     | 3.7  | 34  | 3.8 | 32  | 3.7 | 39                     | 3.5 | 43  | 3.1 | 44  | 3.4 | 45                      | 3.2 | 50  | 2.6 |     |   |                        |                         |        |     |   |     | 230 |
| 240                    |                                                                                                                                                                                                                              |      |     |      |     |     |                        |      |     |     |     |     | 35                     | 3.1 | 39  | 2.8 | 38  | 3.1 | 42                      | 3.0 | 47  | 2.6 |     |   |                        |                         |        |     |   |     | 240 |
| 250                    |                                                                                                                                                                                                                              |      |     |      |     |     |                        |      |     |     |     |     | 31                     | 2.4 | 34  | 2.6 | 32  | 2.4 | 39                      | 2.6 | 44  | 2.4 |     |   |                        |                         |        |     |   |     | 250 |
| Telescoping sequence % |                                                                                                                                                                                                                              |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |   |                        |                         |        |     |   |     |     |
| Tel. 1                 | 100                                                                                                                                                                                                                          |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |   |                        |                         | Tel. 1 |     |   |     |     |
| Tel. 2                 | 100                                                                                                                                                                                                                          |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |   |                        |                         | Tel. 2 |     |   |     |     |
| Tel. 3                 | 100                                                                                                                                                                                                                          |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |   |                        |                         | Tel. 3 |     |   |     |     |
| Tel. 4                 | 100                                                                                                                                                                                                                          |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |   |                        |                         | Tel. 4 |     |   |     |     |
| Tel. 5                 | 100                                                                                                                                                                                                                          |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |   |                        |                         | Tel. 5 |     |   |     |     |

## Counterweight 81,570 lbs

| Working<br>Radius<br>(ft) | Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 17.72 ft<br>On outriggers, 360° working area<br><b>Outrigger base 27.23 ft</b> |               |               |      |                                 |               |               |      |                                 |               |               |      |        |      |    |      | Working<br>Radius<br>(ft) |      |     |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------|------|---------------------------------|---------------|---------------|------|---------------------------------|---------------|---------------|------|--------|------|----|------|---------------------------|------|-----|
|                           | Boom length 43.3 ft                                                                                                                              |               |               |      | Boom length 43.3 ft to 186.0 ft |               |               |      | Boom length 43.3 ft to 196.9 ft |               |               |      |        |      |    |      |                           |      |     |
|                           | Fly jib 17.72 ft<br>offset                                                                                                                       |               |               |      | Fly jib 17.72 ft<br>offset      |               |               |      | Fly jib 17.72 ft<br>offset      |               |               |      |        |      |    |      |                           |      |     |
|                           | 0°<br>°<br>∠                                                                                                                                     | 20°<br>°<br>∠ | 40°<br>°<br>∠ |      | 5°<br>°<br>∠                    | 20°<br>°<br>∠ | 40°<br>°<br>∠ |      | 5°<br>°<br>∠                    | 20°<br>°<br>∠ | 40°<br>°<br>∠ |      |        |      |    |      |                           |      |     |
| 10                        | 76                                                                                                                                               | 72.8          |               |      |                                 |               |               |      |                                 |               |               |      |        |      |    | 10   |                           |      |     |
| 12                        | 74                                                                                                                                               | 68.7          | 79            | 51.4 |                                 |               |               |      |                                 |               |               |      |        |      |    | 12   |                           |      |     |
| 14                        | 72                                                                                                                                               | 65.7          | 77            | 49.3 |                                 |               |               |      |                                 |               |               |      |        |      |    | 14   |                           |      |     |
| 16                        | 70                                                                                                                                               | 63.0          | 75            | 47.9 | 79                              | 40.3          |               |      |                                 |               |               |      |        |      |    | 16   |                           |      |     |
| 18                        | 68                                                                                                                                               | 60.0          | 74            | 46.4 | 78                              | 39.8          |               |      |                                 |               |               |      |        |      |    | 18   |                           |      |     |
| 20                        | 66                                                                                                                                               | 57.0          | 72            | 45.0 | 76                              | 39.4          |               |      |                                 |               |               |      |        |      |    | 20   |                           |      |     |
| 25                        | 61                                                                                                                                               | 51.8          | 66            | 42.6 | 70                              | 38.2          |               |      |                                 |               |               |      |        |      |    | 25   |                           |      |     |
| 30                        | 55                                                                                                                                               | 47.3          | 60            | 40.6 | 63                              | 37.2          |               |      |                                 |               |               |      |        |      |    | 30   |                           |      |     |
| 35                        | 49                                                                                                                                               | 43.9          | 54            | 38.9 | 57                              | 37.0          | 80            | 23.0 |                                 |               |               |      |        |      |    | 35   |                           |      |     |
| 40                        | 42                                                                                                                                               | 41.2          | 47            | 37.8 | 50                              | 37.0          | 79            | 21.9 | 81                              | 20.2          |               |      | 80     | 20.4 |    | 40   |                           |      |     |
| 45                        | 34                                                                                                                                               | 39.0          | 39            | 37.2 |                                 |               | 78            | 20.9 | 79                              | 19.3          |               |      | 79     | 19.4 | 80 | 18.0 | 45                        |      |     |
| 50                        | 22                                                                                                                                               | 37.6          |               |      |                                 |               | 77            | 19.9 | 78                              | 18.5          | 80            | 17.5 | 78     | 18.5 | 79 | 17.3 | 80                        | 16.4 | 50  |
| 55                        |                                                                                                                                                  |               |               |      |                                 |               | 75            | 19.1 | 77                              | 17.7          | 78            | 16.9 | 76     | 17.7 | 78 | 16.6 | 79                        | 15.8 | 55  |
| 60                        |                                                                                                                                                  |               |               |      |                                 |               | 74            | 18.4 | 76                              | 17.1          | 77            | 16.4 | 75     | 17.1 | 77 | 16.0 | 78                        | 15.3 | 60  |
| 65                        |                                                                                                                                                  |               |               |      |                                 |               | 73            | 17.5 | 74                              | 16.6          | 75            | 15.9 | 74     | 16.4 | 75 | 15.5 | 76                        | 14.8 | 65  |
| 70                        |                                                                                                                                                  |               |               |      |                                 |               | 72            | 16.8 | 73                              | 16.1          | 74            | 15.4 | 73     | 15.7 | 74 | 15.0 | 75                        | 14.3 | 70  |
| 75                        |                                                                                                                                                  |               |               |      |                                 |               | 70            | 16.3 | 71                              | 15.6          | 72            | 14.9 | 71     | 15.1 | 73 | 14.5 | 74                        | 13.9 | 75  |
| 80                        |                                                                                                                                                  |               |               |      |                                 |               | 69            | 15.7 | 70                              | 15.1          | 71            | 14.5 | 70     | 14.6 | 72 | 14.0 | 73                        | 13.6 | 80  |
| 85                        |                                                                                                                                                  |               |               |      |                                 |               | 67            | 15.0 | 69                              | 14.6          | 69            | 14.1 | 69     | 14.1 | 70 | 13.5 | 71                        | 13.2 | 85  |
| 90                        |                                                                                                                                                  |               |               |      |                                 |               | 66            | 14.5 | 68                              | 14.1          | 68            | 13.8 | 68     | 13.6 | 69 | 13.1 | 70                        | 12.9 | 90  |
| 95                        |                                                                                                                                                  |               |               |      |                                 |               | 64            | 14.1 | 66                              | 13.6          | 66            | 13.4 | 66     | 13.1 | 67 | 12.7 | 68                        | 12.5 | 95  |
| 100                       |                                                                                                                                                  |               |               |      |                                 |               | 63            | 13.7 | 64                              | 13.1          | 65            | 12.9 | 65     | 12.7 | 66 | 12.2 | 67                        | 12.0 | 100 |
| 110                       |                                                                                                                                                  |               |               |      |                                 |               | 59            | 12.9 | 60                              | 12.4          | 61            | 12.2 | 61     | 12.0 | 63 | 11.6 | 63                        | 11.3 | 110 |
| 120                       |                                                                                                                                                  |               |               |      |                                 |               | 56            | 12.2 | 57                              | 11.8          | 58            | 11.6 | 58     | 11.3 | 59 | 11.0 | 60                        | 10.9 | 120 |
| 130                       |                                                                                                                                                  |               |               |      |                                 |               | 53            | 11.5 | 54                              | 11.3          | 54            | 11.1 | 55     | 10.8 | 56 | 10.4 | 57                        | 10.4 | 130 |
| 140                       |                                                                                                                                                  |               |               |      |                                 |               | 49            | 10.0 | 50                              | 10.1          | 51            | 10.1 | 52     | 9.8  | 53 | 9.8  | 54                        | 9.9  | 140 |
| 150                       |                                                                                                                                                  |               |               |      |                                 |               | 45            | 8.3  | 46                              | 8.5           | 46            | 8.7  | 49     | 8.2  | 50 | 8.5  | 50                        | 8.7  | 150 |
| 160                       |                                                                                                                                                  |               |               |      |                                 |               | 41            | 6.7  | 42                              | 6.9           | 42            | 6.8  | 45     | 6.5  | 46 | 6.9  | 46                        | 6.9  | 160 |
| 170                       |                                                                                                                                                  |               |               |      |                                 |               | 35            | 5.2  | 36                              | 5.2           |               |      | 40     | 5.2  | 41 | 5.2  | 41                        | 5.2  | 170 |
| 180                       |                                                                                                                                                  |               |               |      |                                 |               | 29            | 3.8  | 29                              | 3.8           |               |      | 35     | 3.8  | 36 | 3.8  |                           |      | 180 |
| 190                       |                                                                                                                                                  |               |               |      |                                 |               |               |      |                                 |               |               |      |        |      |    |      |                           |      | 190 |
| 200                       |                                                                                                                                                  |               |               |      |                                 |               |               |      |                                 |               |               |      |        |      |    |      |                           |      | 200 |
| Telescoping sequence %    |                                                                                                                                                  |               |               |      |                                 |               |               |      |                                 |               |               |      |        |      |    |      |                           |      |     |
| Tel. 1                    | 0                                                                                                                                                |               |               |      | 93                              |               |               |      | 100                             |               |               |      | Tel. 1 |      |    |      |                           |      |     |
| Tel. 2                    | 0                                                                                                                                                |               |               |      | 93                              |               |               |      | 100                             |               |               |      | Tel. 2 |      |    |      |                           |      |     |
| Tel. 3                    | 0                                                                                                                                                |               |               |      | 93                              |               |               |      | 100                             |               |               |      | Tel. 3 |      |    |      |                           |      |     |
| Tel. 4                    | 0                                                                                                                                                |               |               |      | 93                              |               |               |      | 100                             |               |               |      | Tel. 4 |      |    |      |                           |      |     |
| Tel. 5                    | 0                                                                                                                                                |               |               |      | 93                              |               |               |      | 100                             |               |               |      | Tel. 5 |      |    |      |                           |      |     |

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

**Counterweight 81,570 lbs**

| Working Radius (ft)    | Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 43.3 ft / 63.0 ft / 82.7 ft / 102.4 ft / 122.0 ft |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |     | Working Radius (ft)     |        |     |     |     |  |  |
|------------------------|---------------------------------------------------------------------------------------------------------------------|------|-----|------|-----|-----|------------------------|------|-----|-----|-----|-----|------------------------|-----|-----|-----|-----|-----|-------------------------|-----|-----|-----|-----|-----|-------------------------|--------|-----|-----|-----|--|--|
|                        | On outriggers, 360° working area                                                                                    |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |     |                         |        |     |     |     |  |  |
|                        | Outrigger base 27.23 ft                                                                                             |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |     |                         |        |     |     |     |  |  |
|                        | Boom length 43.3 ft to 186.0 ft                                                                                     |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |     |                         |        |     |     |     |  |  |
|                        | Fly jib 43.3 ft offset                                                                                              |      |     |      |     |     | Fly jib 63.0 ft offset |      |     |     |     |     | Fly jib 82.7 ft offset |     |     |     |     |     | Fly jib 102.4 ft offset |     |     |     |     |     | Fly jib 122.0 ft offset |        |     |     |     |  |  |
|                        | 0°                                                                                                                  | 20°  | 40° | 0°   | 20° | 40° | 0°                     | 20°  | 40° | 0°  | 20° | 40° | 0°                     | 20° | 40° | 0°  | 20° | 40° | 0°                      | 20° | 40° | 0°  | 20° | 40° | 0°                      | 20°    | 40° |     |     |  |  |
| 40                     | 80                                                                                                                  | 16.5 |     |      |     |     | 81                     | 12.3 |     |     |     |     | 82                     | 9.3 |     |     |     |     |                         |     |     |     |     |     |                         |        |     |     | 40  |  |  |
| 45                     | 79                                                                                                                  | 16.5 |     |      |     |     | 80                     | 12.3 |     |     |     |     | 81                     | 9.3 |     |     |     |     |                         |     |     |     |     |     |                         |        |     |     | 45  |  |  |
| 50                     | 78                                                                                                                  | 16.0 |     |      |     |     | 79                     | 12.3 |     |     |     |     | 80                     | 9.3 |     |     |     |     |                         | 80  | 6.9 |     |     |     |                         |        |     |     | 50  |  |  |
| 55                     | 77                                                                                                                  | 15.3 | 81  | 12.2 |     |     | 78                     | 12.3 |     |     |     |     | 79                     | 9.3 |     |     |     |     |                         | 80  | 6.8 |     |     |     | 81                      | 4.8    |     |     | 55  |  |  |
| 60                     | 76                                                                                                                  | 14.7 | 80  | 11.8 |     |     | 77                     | 12.3 |     |     |     |     | 78                     | 9.3 |     |     |     |     |                         | 79  | 6.6 |     |     |     | 80                      | 4.6    |     |     | 60  |  |  |
| 65                     | 74                                                                                                                  | 14.2 | 78  | 11.5 |     |     | 76                     | 11.9 |     |     |     |     | 77                     | 9.3 |     |     |     |     |                         | 78  | 6.4 |     |     |     | 79                      | 4.4    |     |     | 65  |  |  |
| 70                     | 73                                                                                                                  | 13.7 | 77  | 11.3 | 80  | 9.6 | 75                     | 11.5 | 80  | 9.8 |     |     | 76                     | 9.0 |     |     |     |     |                         | 77  | 6.4 |     |     |     | 78                      | 4.4    |     |     | 70  |  |  |
| 75                     | 72                                                                                                                  | 13.2 | 76  | 11.1 | 79  | 9.4 | 74                     | 11.1 | 79  | 9.5 |     |     | 76                     | 8.7 |     |     |     |     |                         | 77  | 6.3 |     |     |     | 78                      | 4.3    |     |     | 75  |  |  |
| 80                     | 71                                                                                                                  | 12.7 | 75  | 10.8 | 78  | 9.3 | 73                     | 10.7 | 78  | 9.2 |     |     | 75                     | 8.6 | 81  | 7.0 |     |     |                         | 76  | 6.1 |     |     |     | 77                      | 4.2    |     |     | 80  |  |  |
| 85                     | 70                                                                                                                  | 12.4 | 73  | 10.6 | 76  | 9.3 | 72                     | 10.4 | 76  | 9.0 |     |     | 73                     | 8.4 | 79  | 6.8 |     |     |                         | 75  | 6.0 |     |     |     | 76                      | 4.2    |     |     | 85  |  |  |
| 90                     | 69                                                                                                                  | 11.9 | 72  | 10.4 | 75  | 9.1 | 71                     | 10.0 | 75  | 8.7 | 79  | 8.0 | 72                     | 8.2 | 78  | 6.7 |     |     |                         | 74  | 5.8 |     |     |     | 75                      | 4.0    |     |     | 90  |  |  |
| 95                     | 67                                                                                                                  | 11.5 | 71  | 10.2 | 73  | 8.9 | 70                     | 9.7  | 74  | 8.5 | 78  | 7.8 | 72                     | 8.1 | 77  | 6.5 |     |     |                         | 73  | 5.7 | 80  | 4.5 |     | 75                      | 3.9    |     |     | 95  |  |  |
| 100                    | 66                                                                                                                  | 11.1 | 70  | 9.9  | 72  | 8.8 | 69                     | 9.4  | 73  | 8.3 | 77  | 7.7 | 71                     | 7.9 | 76  | 6.4 | 81  | 5.5 |                         | 72  | 5.7 | 79  | 4.4 |     | 74                      | 3.7    |     |     | 100 |  |  |
| 110                    | 63                                                                                                                  | 10.5 | 66  | 9.5  | 69  | 8.6 | 66                     | 8.9  | 70  | 7.8 | 74  | 7.2 | 68                     | 7.4 | 74  | 6.2 | 78  | 5.3 | 70                      | 5.3 | 77  | 4.2 |     |     | 72                      | 3.6    | 79  | 2.9 | 110 |  |  |
| 120                    | 60                                                                                                                  | 10.0 | 64  | 9.0  | 66  | 8.4 | 64                     | 8.3  | 68  | 7.4 | 71  | 7.0 | 66                     | 7.0 | 72  | 6.0 | 76  | 5.2 | 68                      | 5.1 | 75  | 4.1 | 80  | 3.7 | 70                      | 3.5    | 78  | 2.6 | 120 |  |  |
| 130                    | 58                                                                                                                  | 9.3  | 61  | 8.6  | 63  | 8.2 | 61                     | 8.0  | 65  | 7.1 | 69  | 6.7 | 64                     | 6.7 | 69  | 5.8 | 73  | 5.1 | 66                      | 4.9 | 73  | 4.0 | 78  | 3.5 | 68                      | 3.3    | 76  | 2.5 | 130 |  |  |
| 140                    | 55                                                                                                                  | 9.0  | 58  | 8.3  | 60  | 8.0 | 59                     | 7.5  | 63  | 6.8 | 66  | 6.3 | 62                     | 6.3 | 67  | 5.4 | 71  | 4.9 | 64                      | 4.7 | 71  | 3.8 | 76  | 3.4 | 67                      | 3.2    | 74  | 2.4 | 140 |  |  |
| 150                    | 52                                                                                                                  | 8.4  | 55  | 8.0  | 57  | 7.7 | 56                     | 7.2  | 60  | 6.4 | 63  | 6.1 | 60                     | 6.0 | 65  | 5.2 | 69  | 4.8 | 62                      | 4.5 | 69  | 3.7 | 74  | 3.3 | 65                      | 3.0    | 72  | 2.3 | 150 |  |  |
| 160                    | 48                                                                                                                  | 7.6  | 51  | 7.5  | 53  | 7.4 | 53                     | 7.0  | 57  | 6.1 | 60  | 5.9 | 57                     | 5.6 | 62  | 5.0 | 66  | 4.6 | 60                      | 4.4 | 66  | 3.5 | 71  | 3.3 | 63                      | 2.8    | 70  | 2.2 | 160 |  |  |
| 170                    | 45                                                                                                                  | 6.5  | 48  | 6.9  | 49  | 7.1 | 50                     | 6.6  | 54  | 6.0 | 56  | 5.7 | 54                     | 5.3 | 59  | 4.9 | 63  | 4.6 | 58                      | 4.2 | 64  | 3.5 | 68  | 3.1 | 61                      | 2.7    | 68  | 2.2 | 170 |  |  |
| 180                    | 41                                                                                                                  | 5.1  | 44  | 5.6  | 45  | 5.6 | 47                     | 5.5  | 51  | 5.8 | 53  | 5.6 | 52                     | 5.1 | 57  | 4.7 | 60  | 4.5 | 56                      | 4.0 | 62  | 3.4 | 66  | 3.1 | 59                      | 2.5    |     |     | 180 |  |  |
| 190                    | 37                                                                                                                  | 3.9  | 39  | 4.2  | 40  | 4.1 | 44                     | 4.4  | 48  | 5.1 | 49  | 5.0 | 49                     | 4.5 | 54  | 4.5 | 57  | 4.3 | 53                      | 3.9 | 59  | 3.2 | 63  | 3.0 | 57                      | 2.4    |     |     | 190 |  |  |
| 200                    |                                                                                                                     |      | 34  | 2.9  | 33  | 2.6 | 40                     | 3.4  | 44  | 4.0 | 45  | 4.0 | 46                     | 3.7 | 51  | 4.3 | 53  | 4.1 | 50                      | 3.5 | 56  | 3.1 | 60  | 2.9 | 54                      | 2.4    |     |     | 200 |  |  |
| 210                    |                                                                                                                     |      |     |      |     |     | 36                     | 2.4  | 39  | 2.9 | 40  | 2.6 | 43                     | 2.6 | 47  | 3.7 | 49  | 4.0 | 48                      | 2.9 | 54  | 3.1 | 57  | 2.9 | 52                      | 2.2    |     |     | 210 |  |  |
| 220                    |                                                                                                                     |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         | 50  | 2.9 | 53  | 2.9 |     |                         |        |     |     | 220 |  |  |
| 230                    |                                                                                                                     |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |     |                         |        |     |     | 230 |  |  |
| 240                    |                                                                                                                     |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |     |                         |        |     |     | 240 |  |  |
| 250                    |                                                                                                                     |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |     |                         |        |     |     | 250 |  |  |
| Telescoping sequence % |                                                                                                                     |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |     |                         |        |     |     |     |  |  |
| Tel. 1                 | 93                                                                                                                  |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |     |                         | Tel. 1 |     |     |     |  |  |
| Tel. 2                 | 93                                                                                                                  |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |     |                         | Tel. 2 |     |     |     |  |  |
| Tel. 3                 | 93                                                                                                                  |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |     |                         | Tel. 3 |     |     |     |  |  |
| Tel. 4                 | 93                                                                                                                  |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |     |                         | Tel. 4 |     |     |     |  |  |
| Tel. 5                 | 93                                                                                                                  |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |     |                         | Tel. 5 |     |     |     |  |  |

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

## Counterweight 81,570 lbs

| Working Radius (ft)    | Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 43.3 ft / 63.0 ft / 82.7 ft / 102.4 ft / 122.0 ft |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |   |                         |    | Working Radius (ft) |     |     |   |    |     |
|------------------------|---------------------------------------------------------------------------------------------------------------------|------|-----|------|-----|-----|------------------------|------|-----|-----|-----|-----|------------------------|-----|-----|-----|-----|-----|-------------------------|-----|-----|-----|-----|---|-------------------------|----|---------------------|-----|-----|---|----|-----|
|                        | On outriggers, 360° working area                                                                                    |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |   |                         |    |                     |     |     |   |    |     |
|                        | Outrigger base 27.23 ft                                                                                             |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |   |                         |    |                     |     |     |   |    |     |
|                        | Boom length 43.3 ft to 196.9 ft                                                                                     |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |   |                         |    |                     |     |     |   |    |     |
|                        | Fly jib 43.3 ft offset                                                                                              |      |     |      |     |     | Fly jib 63.0 ft offset |      |     |     |     |     | Fly jib 82.7 ft offset |     |     |     |     |     | Fly jib 102.4 ft offset |     |     |     |     |   | Fly jib 122.0 ft offset |    |                     |     |     |   |    |     |
|                        | 0°                                                                                                                  |      | 20° |      | 40° |     | 0°                     |      | 20° |     | 40° |     | 0°                     |     | 20° |     | 40° |     | 0°                      |     | 20° |     | 40° |   | 0°                      |    | 20°                 |     | 40° |   |    |     |
|                        | ∠                                                                                                                   | °    | ∠   | °    | ∠   | °   | ∠                      | °    | ∠   | °   | ∠   | °   | ∠                      | °   | ∠   | °   | ∠   | °   | ∠                       | °   | ∠   | °   | ∠   | ° | ∠                       | °  | ∠                   | °   | ∠   | ° |    |     |
| 40                     | 81                                                                                                                  | 13.9 |     |      |     |     | 81                     | 10.6 |     |     |     |     |                        |     |     |     |     |     | 82                      | 6.2 |     |     |     |   |                         |    |                     |     |     |   | 40 |     |
| 45                     | 79                                                                                                                  | 13.9 |     |      |     |     | 80                     | 10.6 |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |   |                         |    |                     |     |     |   |    | 45  |
| 50                     | 78                                                                                                                  | 13.9 |     |      |     |     | 79                     | 10.6 |     |     |     |     | 81                     | 7.9 |     |     |     |     | 82                      | 6.2 |     |     |     |   |                         |    |                     |     |     |   |    | 50  |
| 55                     | 78                                                                                                                  | 13.9 |     |      |     |     | 79                     | 10.6 |     |     |     |     | 80                     | 7.9 |     |     |     |     | 81                      | 6.2 |     |     |     |   |                         |    | 81                  | 4.5 |     |   |    | 55  |
| 60                     | 77                                                                                                                  | 13.9 | 80  | 11.7 |     |     | 78                     | 10.6 |     |     |     |     | 79                     | 7.9 |     |     |     |     | 80                      | 6.2 |     |     |     |   |                         |    | 80                  | 4.4 |     |   |    | 60  |
| 65                     | 75                                                                                                                  | 13.8 | 79  | 11.5 |     |     | 77                     | 10.6 |     |     |     |     | 78                     | 7.9 |     |     |     |     | 79                      | 6.2 |     |     |     |   |                         |    | 79                  | 4.2 |     |   |    | 65  |
| 70                     | 74                                                                                                                  | 12.8 | 78  | 11.2 | 80  | 9.6 | 76                     | 10.6 | 80  | 9.4 |     |     | 77                     | 7.9 |     |     |     | 78  | 6.0                     |     |     |     |     |   |                         | 78 | 4.2                 |     |     |   |    | 70  |
| 75                     | 74                                                                                                                  | 12.4 | 77  | 10.9 | 79  | 9.4 | 75                     | 10.4 | 80  | 9.1 |     |     | 76                     | 7.9 |     |     |     | 77  | 6.0                     |     |     |     |     |   |                         | 77 | 4.1                 |     |     |   |    | 75  |
| 80                     | 73                                                                                                                  | 12.0 | 76  | 10.7 | 78  | 9.2 | 74                     | 10.1 | 79  | 8.8 |     |     | 75                     | 7.9 | 81  | 6.8 |     | 76  | 5.9                     |     |     |     |     |   |                         | 77 | 4.0                 |     |     |   |    | 80  |
| 85                     | 71                                                                                                                  | 11.5 | 74  | 10.4 | 77  | 9.0 | 73                     | 9.7  | 77  | 8.6 |     |     | 74                     | 7.9 | 80  | 6.6 |     | 75  | 5.7                     |     |     |     |     |   |                         | 76 | 4.0                 |     |     |   |    | 85  |
| 90                     | 70                                                                                                                  | 11.1 | 73  | 10.0 | 76  | 9.0 | 72                     | 9.4  | 76  | 8.3 | 80  | 7.6 | 73                     | 7.9 | 79  | 6.5 |     | 74  | 5.6                     |     |     |     |     |   |                         | 75 | 3.8                 |     |     |   |    | 90  |
| 95                     | 69                                                                                                                  | 10.8 | 72  | 9.7  | 75  | 8.9 | 71                     | 9.2  | 75  | 8.1 | 79  | 7.4 | 73                     | 7.7 | 78  | 6.4 |     | 74  | 5.5                     | 81  | 4.4 |     |     |   |                         | 75 | 3.7                 |     |     |   |    | 95  |
| 100                    | 68                                                                                                                  | 10.5 | 71  | 9.4  | 74  | 8.8 | 70                     | 8.9  | 74  | 7.8 | 78  | 7.2 | 72                     | 7.4 | 77  | 6.3 | 82  | 5.5 | 73                      | 5.5 | 80  | 4.4 |     |   |                         | 74 | 3.7                 |     |     |   |    | 100 |
| 110                    | 65                                                                                                                  | 10.0 | 68  | 9.1  | 70  | 8.4 | 67                     | 8.4  | 72  | 7.3 | 75  | 6.9 | 69                     | 7.1 | 75  | 6.0 | 79  | 5.3 | 71                      | 5.1 | 77  | 4.2 |     |   |                         | 72 | 3.5                 |     |     |   |    | 110 |
| 120                    | 62                                                                                                                  | 9.4  | 66  | 8.5  | 68  | 8.1 | 65                     | 7.9  | 69  | 7.0 | 73  | 6.6 | 68                     | 6.6 | 73  | 5.9 | 77  | 5.2 | 70                      | 5.0 | 76  | 4.0 |     |   |                         | 71 | 3.3                 |     |     |   |    | 120 |
| 130                    | 60                                                                                                                  | 8.9  | 63  | 8.2  | 65  | 7.8 | 63                     | 7.5  | 67  | 6.7 | 70  | 6.2 | 65                     | 6.2 | 71  | 5.6 | 75  | 5.1 | 67                      | 4.9 | 73  | 4.0 |     |   |                         | 69 | 3.1                 |     |     |   |    | 130 |
| 140                    | 57                                                                                                                  | 8.4  | 60  | 7.9  | 62  | 7.6 | 61                     | 7.2  | 65  | 6.3 | 68  | 6.0 | 63                     | 5.9 | 69  | 5.2 | 73  | 4.9 | 66                      | 4.7 | 72  | 3.8 |     |   |                         | 68 | 3.1                 |     |     |   |    | 140 |
| 150                    | 54                                                                                                                  | 8.0  | 57  | 7.5  | 59  | 7.3 | 58                     | 6.9  | 62  | 6.1 | 65  | 5.9 | 61                     | 5.6 | 67  | 5.0 | 70  | 4.8 | 64                      | 4.5 | 70  | 3.7 |     |   |                         | 66 | 3.0                 |     |     |   |    | 150 |
| 160                    | 51                                                                                                                  | 7.4  | 54  | 7.2  | 56  | 7.0 | 55                     | 6.5  | 59  | 5.9 | 62  | 5.6 | 59                     | 5.4 | 64  | 4.8 | 67  | 4.6 | 62                      | 4.4 | 67  | 3.5 |     |   |                         | 64 | 2.8                 |     |     |   |    | 160 |
| 170                    | 48                                                                                                                  | 6.2  | 51  | 6.9  | 52  | 6.8 | 53                     | 6.2  | 57  | 5.7 | 59  | 5.3 | 56                     | 5.1 | 61  | 4.6 | 65  | 4.4 | 60                      | 4.2 | 65  | 3.3 |     |   |                         | 62 | 2.7                 |     |     |   |    | 170 |
| 180                    | 45                                                                                                                  | 4.9  | 47  | 5.4  | 48  | 5.6 | 50                     | 5.2  | 54  | 5.4 | 56  | 5.1 | 54                     | 4.9 | 59  | 4.5 | 62  | 4.3 | 58                      | 4.0 | 63  | 3.1 |     |   |                         | 61 | 2.6                 |     |     |   |    | 180 |
| 190                    | 41                                                                                                                  | 3.8  | 44  | 4.1  | 44  | 4.2 | 47                     | 4.1  | 51  | 4.8 | 53  | 4.9 | 52                     | 4.4 | 56  | 4.3 | 59  | 4.1 | 56                      | 3.9 | 61  | 3.1 |     |   |                         | 59 | 2.5                 |     |     |   |    | 190 |
| 200                    | 37                                                                                                                  | 2.8  | 39  | 2.9  | 39  | 2.9 | 44                     | 2.9  | 47  | 3.9 | 49  | 4.2 | 49                     | 3.7 | 53  | 4.0 | 56  | 3.9 | 53                      | 3.5 | 58  | 3.0 |     |   |                         | 54 | 2.4                 |     |     |   |    | 200 |
| 210                    |                                                                                                                     |      |     |      |     |     |                        |      | 44  | 2.9 | 44  | 2.9 | 46                     | 2.6 | 50  | 3.3 | 53  | 3.7 | 51                      | 2.6 | 56  | 2.9 |     |   |                         | 49 | 2.4                 |     |     |   |    | 210 |
| 220                    |                                                                                                                     |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     | 53                      | 2.7 |     |     |     |   |                         |    |                     |     |     |   |    | 220 |
| 230                    |                                                                                                                     |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |   |                         |    |                     |     |     |   |    | 230 |
| 240                    |                                                                                                                     |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |   |                         |    |                     |     |     |   |    | 240 |
| 250                    |                                                                                                                     |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |   |                         |    |                     |     |     |   |    | 250 |
| Telescoping sequence % |                                                                                                                     |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |   |                         |    |                     |     |     |   |    |     |
| Tel. 1                 | 100                                                                                                                 |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |   |                         |    | Tel. 1              |     |     |   |    |     |
| Tel. 2                 | 100                                                                                                                 |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |   |                         |    | Tel. 2              |     |     |   |    |     |
| Tel. 3                 | 100                                                                                                                 |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |   |                         |    | Tel. 3              |     |     |   |    |     |
| Tel. 4                 | 100                                                                                                                 |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |   |                         |    | Tel. 4              |     |     |   |    |     |
| Tel. 5                 | 100                                                                                                                 |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |   |                         |    | Tel. 5              |     |     |   |    |     |

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

## Counterweight 81,570 lbs

| Working<br>Radius<br>(ft) | Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 17.72 ft<br>On outriggers, 360° working area<br><b>Outrigger base 18.37 ft</b> |               |               |      |                                 |               |               |      |                                 |      |              |               |               |      |    |      | Working<br>Radius<br>(ft) |      |        |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------|------|---------------------------------|---------------|---------------|------|---------------------------------|------|--------------|---------------|---------------|------|----|------|---------------------------|------|--------|
|                           | Boom length 43.3 ft                                                                                                                              |               |               |      | Boom length 43.3 ft to 186.0 ft |               |               |      | Boom length 43.3 ft to 196.9 ft |      |              |               |               |      |    |      |                           |      |        |
|                           | Fly jib 17.72 ft<br>offset                                                                                                                       |               |               |      | Fly jib 17.72 ft<br>offset      |               |               |      | Fly jib 17.72 ft<br>offset      |      |              |               |               |      |    |      |                           |      |        |
|                           | 0°<br>°<br>∠                                                                                                                                     | 20°<br>°<br>∠ | 40°<br>°<br>∠ |      | 5°<br>°<br>∠                    | 20°<br>°<br>∠ | 40°<br>°<br>∠ |      |                                 |      | 5°<br>°<br>∠ | 20°<br>°<br>∠ | 40°<br>°<br>∠ |      |    |      |                           |      |        |
| 10                        | 76                                                                                                                                               | 72.8          |               |      |                                 |               |               |      |                                 |      |              |               |               |      |    | 10   |                           |      |        |
| 12                        | 74                                                                                                                                               | 68.7          | 79            | 51.4 |                                 |               |               |      |                                 |      |              |               |               |      |    | 12   |                           |      |        |
| 14                        | 72                                                                                                                                               | 65.7          | 77            | 49.3 |                                 |               |               |      |                                 |      |              |               |               |      |    | 14   |                           |      |        |
| 16                        | 70                                                                                                                                               | 63.0          | 75            | 47.9 | 79                              | 40.3          |               |      |                                 |      |              |               |               |      |    | 16   |                           |      |        |
| 18                        | 68                                                                                                                                               | 60.0          | 74            | 46.4 | 78                              | 39.8          |               |      |                                 |      |              |               |               |      |    | 18   |                           |      |        |
| 20                        | 66                                                                                                                                               | 57.0          | 72            | 45.0 | 76                              | 39.4          |               |      |                                 |      |              |               |               |      |    | 20   |                           |      |        |
| 25                        | 61                                                                                                                                               | 51.8          | 66            | 42.6 | 70                              | 38.2          |               |      |                                 |      |              |               |               |      |    | 25   |                           |      |        |
| 30                        | 55                                                                                                                                               | 47.3          | 60            | 40.6 | 63                              | 37.2          |               |      |                                 |      |              |               |               |      |    | 30   |                           |      |        |
| 35                        | 49                                                                                                                                               | 43.9          | 54            | 38.9 | 57                              | 37.0          | 80            | 23.0 |                                 |      |              |               |               |      |    | 35   |                           |      |        |
| 40                        | 42                                                                                                                                               | 41.2          | 47            | 37.8 | 50                              | 37.0          | 79            | 21.9 | 81                              | 20.2 |              |               | 80            | 20.4 |    | 40   |                           |      |        |
| 45                        | 34                                                                                                                                               | 39.0          | 39            | 37.2 |                                 |               | 78            | 20.9 | 79                              | 19.3 |              |               | 79            | 19.4 | 80 | 18.0 | 45                        |      |        |
| 50                        | 22                                                                                                                                               | 37.6          |               |      |                                 |               | 77            | 19.9 | 78                              | 18.5 | 80           | 17.5          | 78            | 18.5 | 79 | 17.3 | 80                        | 16.4 | 50     |
| 55                        |                                                                                                                                                  |               |               |      |                                 |               | 75            | 19.1 | 77                              | 17.7 | 78           | 16.9          | 76            | 17.7 | 78 | 16.6 | 79                        | 15.8 | 55     |
| 60                        |                                                                                                                                                  |               |               |      |                                 |               | 74            | 18.4 | 76                              | 17.1 | 77           | 16.4          | 75            | 17.1 | 77 | 16.0 | 78                        | 15.3 | 60     |
| 65                        |                                                                                                                                                  |               |               |      |                                 |               | 73            | 17.5 | 74                              | 16.6 | 75           | 15.9          | 74            | 16.4 | 75 | 15.5 | 76                        | 14.8 | 65     |
| 70                        |                                                                                                                                                  |               |               |      |                                 |               | 72            | 16.8 | 73                              | 16.1 | 74           | 15.4          | 73            | 15.7 | 74 | 15.0 | 75                        | 14.3 | 70     |
| 75                        |                                                                                                                                                  |               |               |      |                                 |               | 70            | 16.3 | 71                              | 15.6 | 72           | 14.9          | 71            | 15.1 | 73 | 14.5 | 74                        | 13.9 | 75     |
| 80                        |                                                                                                                                                  |               |               |      |                                 |               | 69            | 15.7 | 70                              | 15.1 | 71           | 14.5          | 70            | 14.6 | 72 | 14.0 | 73                        | 13.6 | 80     |
| 85                        |                                                                                                                                                  |               |               |      |                                 |               | 67            | 15.0 | 69                              | 14.6 | 69           | 14.1          | 69            | 14.1 | 70 | 13.5 | 71                        | 13.2 | 85     |
| 90                        |                                                                                                                                                  |               |               |      |                                 |               | 66            | 14.2 | 68                              | 14.1 | 68           | 13.8          | 68            | 13.6 | 69 | 13.1 | 70                        | 12.9 | 90     |
| 95                        |                                                                                                                                                  |               |               |      |                                 |               | 64            | 12.9 | 66                              | 13.3 | 66           | 13.4          | 66            | 12.6 | 67 | 12.7 | 68                        | 12.5 | 95     |
| 100                       |                                                                                                                                                  |               |               |      |                                 |               | 63            | 11.4 | 64                              | 12.1 | 65           | 12.5          | 65            | 11.3 | 66 | 11.9 | 67                        | 11.9 | 100    |
| 110                       |                                                                                                                                                  |               |               |      |                                 |               | 59            | 8.9  | 60                              | 9.4  | 61           | 9.7           | 61            | 8.7  | 63 | 9.4  | 63                        | 9.7  | 110    |
| 120                       |                                                                                                                                                  |               |               |      |                                 |               | 56            | 6.7  | 57                              | 7.1  | 58           | 7.3           | 58            | 6.7  | 59 | 7.1  | 60                        | 7.3  | 120    |
| 130                       |                                                                                                                                                  |               |               |      |                                 |               | 53            | 5.0  | 54                              | 5.3  | 54           | 5.5           | 55            | 4.8  | 56 | 5.3  | 57                        | 5.5  | 130    |
| 140                       |                                                                                                                                                  |               |               |      |                                 |               | 49            | 3.5  | 50                              | 3.7  | 51           | 4.0           | 52            | 3.5  | 53 | 3.7  | 54                        | 4.0  | 140    |
| 150                       |                                                                                                                                                  |               |               |      |                                 |               |               |      |                                 |      |              |               |               |      |    |      |                           |      | 150    |
| 160                       |                                                                                                                                                  |               |               |      |                                 |               |               |      |                                 |      |              |               |               |      |    |      |                           |      | 160    |
| 170                       |                                                                                                                                                  |               |               |      |                                 |               |               |      |                                 |      |              |               |               |      |    |      |                           |      | 170    |
| 180                       |                                                                                                                                                  |               |               |      |                                 |               |               |      |                                 |      |              |               |               |      |    |      |                           |      | 180    |
| 190                       |                                                                                                                                                  |               |               |      |                                 |               |               |      |                                 |      |              |               |               |      |    |      |                           |      | 190    |
| 200                       |                                                                                                                                                  |               |               |      |                                 |               |               |      |                                 |      |              |               |               |      |    |      |                           |      | 200    |
| Telescoping sequence %    |                                                                                                                                                  |               |               |      |                                 |               |               |      |                                 |      |              |               |               |      |    |      |                           |      |        |
| Tel. 1                    | 0                                                                                                                                                |               |               |      |                                 |               | 93            |      |                                 |      |              |               | 100           |      |    |      |                           |      | Tel. 1 |
| Tel. 2                    | 0                                                                                                                                                |               |               |      |                                 |               | 93            |      |                                 |      |              |               | 100           |      |    |      |                           |      | Tel. 2 |
| Tel. 3                    | 0                                                                                                                                                |               |               |      |                                 |               | 93            |      |                                 |      |              |               | 100           |      |    |      |                           |      | Tel. 3 |
| Tel. 4                    | 0                                                                                                                                                |               |               |      |                                 |               | 93            |      |                                 |      |              |               | 100           |      |    |      |                           |      | Tel. 4 |
| Tel. 5                    | 0                                                                                                                                                |               |               |      |                                 |               | 93            |      |                                 |      |              |               | 100           |      |    |      |                           |      | Tel. 5 |

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

**Counterweight 81,570 lbs**

| Working Radius<br>Radius<br>(ft) | Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 43.3 ft / 63.0 ft / 82.7 ft / 102.4 ft / 122.0 ft |      |     |      |     |     |                           |      |     |     |     |     |                           |     |     |     |     |     |                            |     |     |     |     |  |                            |    |     |  | Working Radius<br>Radius<br>(ft) |  |     |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------|------|-----|------|-----|-----|---------------------------|------|-----|-----|-----|-----|---------------------------|-----|-----|-----|-----|-----|----------------------------|-----|-----|-----|-----|--|----------------------------|----|-----|--|----------------------------------|--|-----|
|                                  | On outriggers, 360° working area                                                                                    |      |     |      |     |     |                           |      |     |     |     |     |                           |     |     |     |     |     |                            |     |     |     |     |  |                            |    |     |  |                                  |  |     |
|                                  | Outrigger base 18.37 ft                                                                                             |      |     |      |     |     |                           |      |     |     |     |     |                           |     |     |     |     |     |                            |     |     |     |     |  |                            |    |     |  |                                  |  |     |
|                                  | Boom length 43.3 ft to 186.0 ft                                                                                     |      |     |      |     |     |                           |      |     |     |     |     |                           |     |     |     |     |     |                            |     |     |     |     |  |                            |    |     |  |                                  |  |     |
|                                  | Fly jib 43.3 ft<br>offset                                                                                           |      |     |      |     |     | Fly jib 63.0 ft<br>offset |      |     |     |     |     | Fly jib 82.7 ft<br>offset |     |     |     |     |     | Fly jib 102.4 ft<br>offset |     |     |     |     |  | Fly jib 122.0 ft<br>offset |    |     |  |                                  |  |     |
|                                  | 0°                                                                                                                  |      | 20° |      | 40° |     | 0°                        |      | 20° |     | 40° |     | 0°                        |     | 20° |     | 40° |     | 0°                         |     | 20° |     | 40° |  | 0°                         |    | 20° |  | 40°                              |  |     |
| 40                               | 80                                                                                                                  | 16.5 |     |      |     |     | 81                        | 12.3 |     |     |     |     | 82                        | 9.3 |     |     |     |     |                            |     |     |     |     |  |                            |    |     |  |                                  |  | 40  |
| 45                               | 79                                                                                                                  | 16.5 |     |      |     |     | 80                        | 12.3 |     |     |     |     | 81                        | 9.3 |     |     |     |     |                            |     |     |     |     |  |                            |    |     |  |                                  |  | 45  |
| 50                               | 78                                                                                                                  | 16.0 |     |      |     |     | 79                        | 12.3 |     |     |     |     | 80                        | 9.3 |     |     |     |     |                            | 80  | 6.9 |     |     |  |                            |    |     |  |                                  |  | 50  |
| 55                               | 77                                                                                                                  | 15.3 | 81  | 12.2 |     |     | 78                        | 12.3 |     |     |     |     | 79                        | 9.3 |     |     |     |     |                            | 80  | 6.8 |     |     |  |                            | 81 | 4.8 |  |                                  |  | 55  |
| 60                               | 76                                                                                                                  | 14.7 | 80  | 11.8 |     |     | 77                        | 12.3 |     |     |     |     | 78                        | 9.3 |     |     |     |     |                            | 79  | 6.6 |     |     |  |                            | 80 | 4.6 |  |                                  |  | 60  |
| 65                               | 74                                                                                                                  | 14.2 | 78  | 11.5 |     |     | 76                        | 11.9 |     |     |     |     | 77                        | 9.3 |     |     |     |     |                            | 78  | 6.4 |     |     |  |                            | 79 | 4.4 |  |                                  |  | 65  |
| 70                               | 73                                                                                                                  | 13.7 | 77  | 11.3 | 80  | 9.6 | 75                        | 11.5 | 80  | 9.8 |     |     | 76                        | 9.0 |     |     |     |     |                            | 77  | 6.4 |     |     |  |                            | 78 | 4.4 |  |                                  |  | 70  |
| 75                               | 72                                                                                                                  | 13.2 | 76  | 11.1 | 79  | 9.4 | 74                        | 11.1 | 79  | 9.5 |     |     | 76                        | 8.7 |     |     |     |     |                            | 77  | 6.3 |     |     |  |                            | 78 | 4.3 |  |                                  |  | 75  |
| 80                               | 71                                                                                                                  | 12.7 | 75  | 10.8 | 78  | 9.3 | 73                        | 10.7 | 78  | 9.2 |     |     | 75                        | 8.6 | 81  | 7.0 |     |     |                            | 76  | 6.1 |     |     |  |                            | 77 | 4.2 |  |                                  |  | 80  |
| 85                               | 70                                                                                                                  | 12.4 | 73  | 10.6 | 76  | 9.3 | 72                        | 10.4 | 76  | 9.0 |     |     | 73                        | 8.4 | 79  | 6.8 |     |     |                            | 75  | 6.0 |     |     |  |                            | 76 | 4.2 |  |                                  |  | 85  |
| 90                               | 69                                                                                                                  | 11.9 | 72  | 10.4 | 75  | 9.1 | 71                        | 10.0 | 75  | 8.7 | 79  | 8.0 | 72                        | 8.2 | 78  | 6.7 |     |     |                            | 74  | 5.8 |     |     |  |                            | 75 | 4.0 |  |                                  |  | 90  |
| 95                               | 67                                                                                                                  | 11.5 | 71  | 10.2 | 73  | 8.9 | 70                        | 9.7  | 74  | 8.5 | 78  | 7.8 | 72                        | 8.1 | 77  | 6.5 |     |     |                            | 73  | 5.7 | 80  | 4.5 |  |                            | 75 | 3.9 |  |                                  |  | 95  |
| 100                              | 66                                                                                                                  | 11.1 | 70  | 9.9  | 72  | 8.8 | 69                        | 9.4  | 73  | 8.3 | 77  | 7.7 | 71                        | 7.9 | 76  | 6.4 | 81  | 5.5 |                            | 72  | 5.7 | 79  | 4.4 |  |                            | 74 | 3.7 |  |                                  |  | 100 |
| 110                              | 63                                                                                                                  | 9.8  | 66  | 9.5  | 69  | 8.6 | 66                        | 8.9  | 70  | 7.8 | 74  | 7.2 | 68                        | 7.4 | 74  | 6.2 | 78  | 5.3 | 70                         | 5.3 | 77  | 4.2 |     |  |                            | 72 | 3.6 |  |                                  |  | 110 |
| 120                              | 60                                                                                                                  | 7.8  | 64  | 8.7  | 66  | 8.4 | 64                        | 8.1  | 68  | 7.4 | 71  | 7.0 | 66                        | 7.0 | 72  | 6.0 | 76  | 5.2 | 68                         | 5.1 | 75  | 4.1 |     |  |                            | 70 | 3.5 |  |                                  |  | 120 |
| 130                              | 58                                                                                                                  | 6.1  | 61  | 7.0  | 63  | 7.7 | 61                        | 6.6  | 65  | 7.1 | 69  | 6.7 | 64                        | 6.7 | 69  | 5.8 | 73  | 5.1 | 66                         | 4.9 | 73  | 4.0 |     |  |                            | 68 | 3.3 |  |                                  |  | 130 |
| 140                              | 55                                                                                                                  | 4.6  | 58  | 5.5  | 60  | 6.0 | 59                        | 5.1  | 63  | 6.2 | 66  | 6.3 | 62                        | 5.3 | 67  | 5.4 | 71  | 4.9 | 64                         | 4.7 | 71  | 3.8 |     |  |                            |    |     |  |                                  |  | 140 |
| 150                              | 52                                                                                                                  | 3.1  | 55  | 4.0  | 57  | 4.5 | 56                        | 3.6  | 60  | 5.0 | 63  | 5.5 | 60                        | 3.8 | 65  | 5.0 | 69  | 4.8 | 62                         | 4.1 | 69  | 3.7 |     |  |                            |    |     |  |                                  |  | 150 |
| 160                              |                                                                                                                     |      |     |      | 53  | 3.2 |                           |      | 57  | 3.6 | 60  | 4.3 |                           |     | 62  | 4.5 | 66  | 4.5 | 60                         | 3.1 | 66  | 3.5 |     |  |                            |    |     |  |                                  |  | 160 |
| 170                              |                                                                                                                     |      |     |      |     |     |                           |      |     |     |     |     |                           |     | 63  | 4.0 |     |     |                            | 64  | 3.5 |     |     |  |                            |    |     |  |                                  |  | 170 |
| 180                              |                                                                                                                     |      |     |      |     |     |                           |      |     |     |     |     |                           |     |     |     |     |     |                            |     |     |     |     |  |                            |    |     |  |                                  |  | 180 |
| 190                              |                                                                                                                     |      |     |      |     |     |                           |      |     |     |     |     |                           |     |     |     |     |     |                            |     |     |     |     |  |                            |    |     |  |                                  |  | 190 |
| 200                              |                                                                                                                     |      |     |      |     |     |                           |      |     |     |     |     |                           |     |     |     |     |     |                            |     |     |     |     |  |                            |    |     |  |                                  |  | 200 |
| 210                              |                                                                                                                     |      |     |      |     |     |                           |      |     |     |     |     |                           |     |     |     |     |     |                            |     |     |     |     |  |                            |    |     |  |                                  |  | 210 |
| 220                              |                                                                                                                     |      |     |      |     |     |                           |      |     |     |     |     |                           |     |     |     |     |     |                            |     |     |     |     |  |                            |    |     |  |                                  |  | 220 |
| 230                              |                                                                                                                     |      |     |      |     |     |                           |      |     |     |     |     |                           |     |     |     |     |     |                            |     |     |     |     |  |                            |    |     |  |                                  |  | 230 |
| 240                              |                                                                                                                     |      |     |      |     |     |                           |      |     |     |     |     |                           |     |     |     |     |     |                            |     |     |     |     |  |                            |    |     |  |                                  |  | 240 |
| 250                              |                                                                                                                     |      |     |      |     |     |                           |      |     |     |     |     |                           |     |     |     |     |     |                            |     |     |     |     |  |                            |    |     |  |                                  |  | 250 |
| Telescoping sequence %           |                                                                                                                     |      |     |      |     |     |                           |      |     |     |     |     |                           |     |     |     |     |     |                            |     |     |     |     |  |                            |    |     |  |                                  |  |     |
| Tel. 1                           | 93                                                                                                                  |      |     |      |     |     |                           |      |     |     |     |     |                           |     |     |     |     |     |                            |     |     |     |     |  |                            |    |     |  | Tel. 1                           |  |     |
| Tel. 2                           | 93                                                                                                                  |      |     |      |     |     |                           |      |     |     |     |     |                           |     |     |     |     |     |                            |     |     |     |     |  |                            |    |     |  | Tel. 2                           |  |     |
| Tel. 3                           | 93                                                                                                                  |      |     |      |     |     |                           |      |     |     |     |     |                           |     |     |     |     |     |                            |     |     |     |     |  |                            |    |     |  | Tel. 3                           |  |     |
| Tel. 4                           | 93                                                                                                                  |      |     |      |     |     |                           |      |     |     |     |     |                           |     |     |     |     |     |                            |     |     |     |     |  |                            |    |     |  | Tel. 4                           |  |     |
| Tel. 5                           | 93                                                                                                                  |      |     |      |     |     |                           |      |     |     |     |     |                           |     |     |     |     |     |                            |     |     |     |     |  |                            |    |     |  | Tel. 5                           |  |     |

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

**Counterweight 81,570 lbs**

| Working Radius (ft)    | Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 43.3 ft / 63.0 ft / 82.7 ft / 102.4 ft / 122.0 ft<br>On outriggers, 360° working area<br><b>Outrigger base 18.37 ft</b><br>Boom length 43.3 ft to 196.9 ft |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |  |                         |  |     | Working Radius (ft) |     |    |  |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|------|-----|-----|------------------------|------|-----|-----|-----|-----|------------------------|-----|-----|-----|-----|-----|-------------------------|-----|-----|-----|-----|--|-------------------------|--|-----|---------------------|-----|----|--|
|                        | Fly jib 43.3 ft offset                                                                                                                                                                                                       |      |     |      |     |     | Fly jib 63.0 ft offset |      |     |     |     |     | Fly jib 82.7 ft offset |     |     |     |     |     | Fly jib 102.4 ft offset |     |     |     |     |  | Fly jib 122.0 ft offset |  |     |                     |     |    |  |
|                        | 0°                                                                                                                                                                                                                           |      | 20° |      | 40° |     | 0°                     |      | 20° |     | 40° |     | 0°                     |     | 20° |     | 40° |     | 0°                      |     | 20° |     | 40° |  | 0°                      |  | 20° |                     | 40° |    |  |
|                        | ∠                                                                                                                                                                                                                            |      | ∠   |      | ∠   |     | ∠                      |      | ∠   |     | ∠   |     | ∠                      |     | ∠   |     | ∠   |     | ∠                       |     | ∠   |     | ∠   |  | ∠                       |  | ∠   |                     |     | ∠  |  |
| 40                     | 81                                                                                                                                                                                                                           | 13.9 |     |      |     |     | 81                     | 10.6 |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |  |                         |  |     |                     |     | 40 |  |
| 45                     | 79                                                                                                                                                                                                                           | 13.9 |     |      |     |     | 80                     | 10.6 |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |  |                         |  |     |                     |     | 45 |  |
| 50                     | 78                                                                                                                                                                                                                           | 13.9 |     |      |     |     | 79                     | 10.6 |     |     |     |     | 81                     | 7.9 |     |     |     |     |                         | 82  | 6.2 |     |     |  |                         |  |     |                     |     | 50 |  |
| 55                     | 78                                                                                                                                                                                                                           | 13.9 |     |      |     |     | 79                     | 10.6 |     |     |     |     | 80                     | 7.9 |     |     |     |     |                         | 81  | 6.2 |     |     |  |                         |  |     | 81                  | 4.5 | 55 |  |
| 60                     | 77                                                                                                                                                                                                                           | 13.9 | 80  | 11.7 |     |     | 78                     | 10.6 |     |     |     |     | 79                     | 7.9 |     |     |     |     |                         | 80  | 6.2 |     |     |  |                         |  |     | 80                  | 4.4 | 60 |  |
| 65                     | 75                                                                                                                                                                                                                           | 13.8 | 79  | 11.5 |     |     | 77                     | 10.6 |     |     |     |     | 78                     | 7.9 |     |     |     |     |                         | 79  | 6.2 |     |     |  |                         |  |     | 79                  | 4.2 | 65 |  |
| 70                     | 74                                                                                                                                                                                                                           | 12.8 | 78  | 11.2 | 80  | 9.6 | 76                     | 10.6 | 80  | 9.4 |     |     | 77                     | 7.9 |     |     |     |     | 78                      | 6.0 |     |     |     |  |                         |  | 78  | 4.2                 | 70  |    |  |
| 75                     | 74                                                                                                                                                                                                                           | 12.4 | 77  | 10.9 | 79  | 9.4 | 75                     | 10.4 | 80  | 9.1 |     |     | 77                     | 7.9 |     |     |     |     | 77                      | 6.0 |     |     |     |  |                         |  | 78  | 4.1                 | 75  |    |  |
| 80                     | 73                                                                                                                                                                                                                           | 12.0 | 76  | 10.7 | 78  | 9.2 | 74                     | 10.1 | 79  | 8.8 |     |     | 75                     | 7.9 | 81  | 6.8 |     |     | 76                      | 5.9 |     |     |     |  |                         |  | 77  | 4.0                 | 80  |    |  |
| 85                     | 71                                                                                                                                                                                                                           | 11.5 | 74  | 10.4 | 77  | 9.0 | 73                     | 9.7  | 77  | 8.6 |     |     | 74                     | 7.9 | 80  | 6.6 |     |     | 75                      | 5.7 |     |     |     |  |                         |  | 76  | 4.0                 | 85  |    |  |
| 90                     | 70                                                                                                                                                                                                                           | 11.1 | 73  | 10.0 | 76  | 9.0 | 72                     | 9.4  | 76  | 8.3 | 80  | 7.6 | 73                     | 7.9 | 79  | 6.5 |     |     | 74                      | 5.6 |     |     |     |  |                         |  | 75  | 3.8                 | 90  |    |  |
| 95                     | 69                                                                                                                                                                                                                           | 10.8 | 72  | 9.7  | 75  | 8.9 | 71                     | 9.2  | 75  | 8.1 | 79  | 7.4 | 73                     | 7.7 | 78  | 6.4 |     |     | 74                      | 5.5 | 81  | 4.4 |     |  |                         |  | 75  | 3.7                 | 95  |    |  |
| 100                    | 68                                                                                                                                                                                                                           | 10.5 | 71  | 9.4  | 74  | 8.8 | 70                     | 8.9  | 74  | 7.8 | 78  | 7.2 | 72                     | 7.4 | 77  | 6.3 | 82  | 5.5 | 73                      | 5.5 | 80  | 4.4 |     |  |                         |  | 74  | 3.7                 | 100 |    |  |
| 110                    | 65                                                                                                                                                                                                                           | 9.6  | 68  | 9.1  | 70  | 8.4 | 67                     | 8.4  | 72  | 7.3 | 75  | 6.9 | 69                     | 7.1 | 75  | 6.0 | 79  | 5.3 | 71                      | 5.1 | 77  | 4.2 |     |  |                         |  | 72  | 3.5                 | 110 |    |  |
| 120                    | 62                                                                                                                                                                                                                           | 7.8  | 66  | 8.4  | 68  | 8.1 | 65                     | 7.7  | 69  | 7.0 | 73  | 6.6 | 68                     | 6.6 | 73  | 5.9 | 77  | 5.2 | 70                      | 5.0 | 76  | 4.0 |     |  |                         |  | 71  | 3.3                 | 120 |    |  |
| 130                    | 60                                                                                                                                                                                                                           | 5.9  | 63  | 7.0  | 65  | 7.6 | 63                     | 6.4  | 67  | 6.7 | 70  | 6.2 | 65                     | 6.2 | 71  | 5.6 | 75  | 5.1 | 67                      | 4.9 | 73  | 4.0 |     |  |                         |  | 69  | 3.1                 | 130 |    |  |
| 140                    | 57                                                                                                                                                                                                                           | 4.4  | 60  | 5.5  | 62  | 6.0 | 61                     | 4.8  | 65  | 5.9 | 68  | 6.0 | 63                     | 5.1 | 69  | 5.2 | 73  | 4.9 | 66                      | 4.7 | 72  | 3.8 |     |  |                         |  |     |                     | 140 |    |  |
| 150                    | 54                                                                                                                                                                                                                           | 2.9  | 57  |      | 4.0 | 59  | 4.5                    | 58   | 3.3 | 62  | 4.8 | 65  | 5.4                    | 61  | 4.0 | 67  | 4.9 | 70  | 4.8                     | 64  | 4.0 | 70  | 3.7 |  |                         |  |     |                     | 150 |    |  |
| 160                    |                                                                                                                                                                                                                              |      |     |      | 56  | 3.2 |                        |      | 59  | 3.4 | 62  | 4.4 |                        |     |     | 64  | 4.5 | 67  | 4.5                     | 62  | 2.8 | 67  | 3.5 |  |                         |  |     |                     | 160 |    |  |
| 170                    |                                                                                                                                                                                                                              |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     | 65  | 4.0 |                         |     | 65  | 3.3 |     |  |                         |  |     |                     | 170 |    |  |
| 180                    |                                                                                                                                                                                                                              |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |  |                         |  |     |                     | 180 |    |  |
| 190                    |                                                                                                                                                                                                                              |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |  |                         |  |     |                     | 190 |    |  |
| 200                    |                                                                                                                                                                                                                              |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |  |                         |  |     |                     | 200 |    |  |
| 210                    |                                                                                                                                                                                                                              |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |  |                         |  |     |                     | 210 |    |  |
| 220                    |                                                                                                                                                                                                                              |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |  |                         |  |     |                     | 220 |    |  |
| 230                    |                                                                                                                                                                                                                              |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |  |                         |  |     |                     | 230 |    |  |
| 240                    |                                                                                                                                                                                                                              |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |  |                         |  |     |                     | 240 |    |  |
| 250                    |                                                                                                                                                                                                                              |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |  |                         |  |     |                     | 250 |    |  |
| Telescoping sequence % |                                                                                                                                                                                                                              |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |  |                         |  |     |                     |     |    |  |
| Tel. 1                 | 100                                                                                                                                                                                                                          |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |  |                         |  |     | Tel. 1              |     |    |  |
| Tel. 2                 | 100                                                                                                                                                                                                                          |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |  |                         |  |     | Tel. 2              |     |    |  |
| Tel. 3                 | 100                                                                                                                                                                                                                          |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |  |                         |  |     | Tel. 3              |     |    |  |
| Tel. 4                 | 100                                                                                                                                                                                                                          |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |  |                         |  |     | Tel. 4              |     |    |  |
| Tel. 5                 | 100                                                                                                                                                                                                                          |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |  |                         |  |     | Tel. 5              |     |    |  |

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

## Counterweight 55,115 lbs

| Working<br>Radius<br>(ft) | Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 17.72 ft<br>On outriggers, 360° working area<br><b>Outrigger base 27.23 ft</b> |      |     |      |     |                                 |    |      |     |      |                                 |      |    |      |    | Working<br>Radius<br>(ft) |    |      |     |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|------|-----|---------------------------------|----|------|-----|------|---------------------------------|------|----|------|----|---------------------------|----|------|-----|
|                           | Boom length 43.3 ft                                                                                                                              |      |     |      |     | Boom length 43.3 ft to 186.0 ft |    |      |     |      | Boom length 43.3 ft to 196.9 ft |      |    |      |    |                           |    |      |     |
|                           | Fly jib 17.72 ft<br>offset                                                                                                                       |      |     |      |     | Fly jib 17.72 ft<br>offset      |    |      |     |      | Fly jib 17.72 ft<br>offset      |      |    |      |    |                           |    |      |     |
|                           | 0°                                                                                                                                               | 20°  | 40° | 5°   | 20° | 40°                             | 5° | 20°  | 40° | 5°   | 20°                             | 40°  |    |      |    |                           |    |      |     |
| 10                        | 76                                                                                                                                               | 72.8 |     |      |     |                                 |    |      |     |      |                                 |      |    |      |    | 10                        |    |      |     |
| 12                        | 74                                                                                                                                               | 68.7 | 79  | 51.4 |     |                                 |    |      |     |      |                                 |      |    |      |    | 12                        |    |      |     |
| 14                        | 72                                                                                                                                               | 65.7 | 77  | 49.3 |     |                                 |    |      |     |      |                                 |      |    |      |    | 14                        |    |      |     |
| 16                        | 70                                                                                                                                               | 63.0 | 75  | 47.9 | 79  | 40.3                            |    |      |     |      |                                 |      |    |      |    | 16                        |    |      |     |
| 18                        | 68                                                                                                                                               | 60.0 | 74  | 46.4 | 78  | 39.8                            |    |      |     |      |                                 |      |    |      |    | 18                        |    |      |     |
| 20                        | 66                                                                                                                                               | 57.0 | 72  | 45.0 | 76  | 39.4                            |    |      |     |      |                                 |      |    |      |    | 20                        |    |      |     |
| 25                        | 61                                                                                                                                               | 51.8 | 66  | 42.6 | 70  | 38.2                            |    |      |     |      |                                 |      |    |      |    | 25                        |    |      |     |
| 30                        | 55                                                                                                                                               | 47.3 | 60  | 40.6 | 63  | 37.2                            |    |      |     |      |                                 |      |    |      |    | 30                        |    |      |     |
| 35                        | 49                                                                                                                                               | 43.9 | 54  | 38.9 | 57  | 37.0                            | 80 | 23.0 |     |      |                                 |      |    |      |    | 35                        |    |      |     |
| 40                        | 42                                                                                                                                               | 41.2 | 47  | 37.8 | 50  | 37.0                            | 79 | 21.9 | 81  | 20.2 |                                 |      | 80 | 20.4 |    | 40                        |    |      |     |
| 45                        | 34                                                                                                                                               | 39.0 | 39  | 37.2 |     |                                 | 78 | 20.9 | 79  | 19.3 |                                 |      | 79 | 19.4 | 80 | 18.0                      | 45 |      |     |
| 50                        | 22                                                                                                                                               | 37.6 |     |      |     |                                 | 77 | 19.9 | 78  | 18.5 | 80                              | 17.5 | 78 | 18.5 | 79 | 17.3                      | 80 | 16.4 | 50  |
| 55                        |                                                                                                                                                  |      |     |      |     |                                 | 75 | 19.1 | 77  | 17.7 | 78                              | 16.9 | 76 | 17.7 | 78 | 16.6                      | 79 | 15.8 | 55  |
| 60                        |                                                                                                                                                  |      |     |      |     |                                 | 74 | 18.4 | 76  | 17.1 | 77                              | 16.4 | 75 | 17.1 | 77 | 16.0                      | 78 | 15.3 | 60  |
| 65                        |                                                                                                                                                  |      |     |      |     |                                 | 73 | 17.5 | 74  | 16.6 | 75                              | 15.9 | 74 | 16.4 | 75 | 15.5                      | 76 | 14.8 | 65  |
| 70                        |                                                                                                                                                  |      |     |      |     |                                 | 72 | 16.8 | 73  | 16.1 | 74                              | 15.4 | 73 | 15.7 | 74 | 15.0                      | 75 | 14.3 | 70  |
| 75                        |                                                                                                                                                  |      |     |      |     |                                 | 70 | 16.3 | 71  | 15.6 | 72                              | 14.9 | 71 | 15.1 | 73 | 14.5                      | 74 | 13.9 | 75  |
| 80                        |                                                                                                                                                  |      |     |      |     |                                 | 69 | 15.7 | 70  | 15.1 | 71                              | 14.5 | 70 | 14.6 | 72 | 14.0                      | 73 | 13.6 | 80  |
| 85                        |                                                                                                                                                  |      |     |      |     |                                 | 67 | 15.0 | 69  | 14.6 | 69                              | 14.1 | 69 | 14.1 | 70 | 13.5                      | 71 | 13.2 | 85  |
| 90                        |                                                                                                                                                  |      |     |      |     |                                 | 66 | 14.5 | 68  | 14.1 | 68                              | 13.8 | 68 | 13.6 | 69 | 13.1                      | 70 | 12.9 | 90  |
| 95                        |                                                                                                                                                  |      |     |      |     |                                 | 64 | 14.1 | 66  | 13.6 | 66                              | 13.4 | 66 | 13.1 | 67 | 12.7                      | 68 | 12.5 | 95  |
| 100                       |                                                                                                                                                  |      |     |      |     |                                 | 63 | 13.7 | 64  | 13.1 | 65                              | 12.9 | 65 | 12.7 | 66 | 12.2                      | 67 | 12.0 | 100 |
| 110                       |                                                                                                                                                  |      |     |      |     |                                 | 59 | 12.0 | 60  | 12.4 | 61                              | 12.2 | 61 | 11.8 | 63 | 11.6                      | 63 | 11.3 | 110 |
| 120                       |                                                                                                                                                  |      |     |      |     |                                 | 56 | 9.5  | 57  | 10.0 | 58                              | 10.5 | 58 | 9.5  | 59 | 10.0                      | 60 | 10.5 | 120 |
| 130                       |                                                                                                                                                  |      |     |      |     |                                 | 53 | 7.3  | 54  | 7.8  | 54                              | 8.0  | 55 | 7.3  | 56 | 7.8                       | 57 | 8.0  | 130 |
| 140                       |                                                                                                                                                  |      |     |      |     |                                 | 49 | 5.6  | 50  | 5.9  | 51                              | 6.1  | 52 | 5.6  | 53 | 5.9                       | 54 | 6.1  | 140 |
| 150                       |                                                                                                                                                  |      |     |      |     |                                 | 45 | 4.0  | 46  | 4.2  | 46                              | 4.3  | 49 | 4.0  | 50 | 4.2                       | 50 | 4.4  | 150 |
| 160                       |                                                                                                                                                  |      |     |      |     |                                 |    |      |     |      |                                 |      |    |      |    |                           |    |      | 160 |
| Telescoping sequence %    |                                                                                                                                                  |      |     |      |     |                                 |    |      |     |      |                                 |      |    |      |    |                           |    |      |     |
| Tel. 1                    | 0                                                                                                                                                |      |     |      |     | 93                              |    |      |     |      | 100                             |      |    |      |    | Tel. 1                    |    |      |     |
| Tel. 2                    | 0                                                                                                                                                |      |     |      |     | 93                              |    |      |     |      | 100                             |      |    |      |    | Tel. 2                    |    |      |     |
| Tel. 3                    | 0                                                                                                                                                |      |     |      |     | 93                              |    |      |     |      | 100                             |      |    |      |    | Tel. 3                    |    |      |     |
| Tel. 4                    | 0                                                                                                                                                |      |     |      |     | 93                              |    |      |     |      | 100                             |      |    |      |    | Tel. 4                    |    |      |     |
| Tel. 5                    | 0                                                                                                                                                |      |     |      |     | 93                              |    |      |     |      | 100                             |      |    |      |    | Tel. 5                    |    |      |     |

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

## Counterweight 55,115 lbs

| Working<br>Radius<br>(ft) | Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 17.72 ft<br>On outriggers, 360° working area<br><b>Outrigger base 18.37 ft</b> |      |     |      |     |                                 |    |      |     |      |                                 |      |    |      |    |        |    | Working<br>Radius<br>(ft) |     |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|------|-----|---------------------------------|----|------|-----|------|---------------------------------|------|----|------|----|--------|----|---------------------------|-----|
|                           | Boom length 43.3 ft                                                                                                                              |      |     |      |     | Boom length 43.3 ft to 186.0 ft |    |      |     |      | Boom length 43.3 ft to 196.9 ft |      |    |      |    |        |    |                           |     |
|                           | Fly jib 17.72 ft<br>offset                                                                                                                       |      |     |      |     | Fly jib 17.72 ft<br>offset      |    |      |     |      | Fly jib 17.72 ft<br>offset      |      |    |      |    |        |    |                           |     |
|                           | 0°                                                                                                                                               | 20°  | 40° | 5°   | 20° | 40°                             | 5° | 20°  | 40° | 5°   | 20°                             | 40°  |    |      |    |        |    |                           |     |
| 10                        | 76                                                                                                                                               | 72.8 |     |      |     |                                 |    |      |     |      |                                 |      |    |      |    |        |    | 10                        |     |
| 12                        | 74                                                                                                                                               | 68.7 | 79  | 51.4 |     |                                 |    |      |     |      |                                 |      |    |      |    |        |    | 12                        |     |
| 14                        | 72                                                                                                                                               | 65.7 | 77  | 49.3 |     |                                 |    |      |     |      |                                 |      |    |      |    |        |    | 14                        |     |
| 16                        | 70                                                                                                                                               | 63.0 | 75  | 47.9 | 79  | 40.3                            |    |      |     |      |                                 |      |    |      |    |        |    | 16                        |     |
| 18                        | 68                                                                                                                                               | 60.0 | 74  | 46.4 | 78  | 39.8                            |    |      |     |      |                                 |      |    |      |    |        |    | 18                        |     |
| 20                        | 66                                                                                                                                               | 57.0 | 72  | 45.0 | 76  | 39.4                            |    |      |     |      |                                 |      |    |      |    |        |    | 20                        |     |
| 25                        | 61                                                                                                                                               | 51.8 | 66  | 42.6 | 70  | 38.2                            |    |      |     |      |                                 |      |    |      |    |        |    | 25                        |     |
| 30                        | 55                                                                                                                                               | 47.3 | 60  | 40.6 | 63  | 37.2                            |    |      |     |      |                                 |      |    |      |    |        |    | 30                        |     |
| 35                        | 49                                                                                                                                               | 43.9 | 54  | 38.9 | 57  | 37.0                            | 80 | 23.0 |     |      |                                 |      |    |      |    |        |    | 35                        |     |
| 40                        | 42                                                                                                                                               | 41.2 | 47  | 37.8 | 50  | 37.0                            | 79 | 21.9 | 81  | 20.2 |                                 |      | 80 | 20.4 |    |        |    | 40                        |     |
| 45                        | 34                                                                                                                                               | 39.0 | 39  | 37.2 |     |                                 | 78 | 20.9 | 79  | 19.3 |                                 |      | 79 | 19.4 | 80 | 18.0   |    | 45                        |     |
| 50                        | 22                                                                                                                                               | 33.4 |     |      |     |                                 | 77 | 19.9 | 78  | 18.5 | 80                              | 17.5 | 78 | 18.5 | 79 | 17.3   | 80 | 16.4                      | 50  |
| 55                        |                                                                                                                                                  |      |     |      |     |                                 | 75 | 19.1 | 77  | 17.7 | 78                              | 16.9 | 76 | 17.7 | 78 | 16.6   | 79 | 15.8                      | 55  |
| 60                        |                                                                                                                                                  |      |     |      |     |                                 | 74 | 18.4 | 76  | 17.1 | 77                              | 16.4 | 75 | 17.1 | 77 | 16.0   | 78 | 15.3                      | 60  |
| 65                        |                                                                                                                                                  |      |     |      |     |                                 | 73 | 17.5 | 74  | 16.6 | 75                              | 15.9 | 74 | 16.4 | 75 | 15.5   | 76 | 14.8                      | 65  |
| 70                        |                                                                                                                                                  |      |     |      |     |                                 | 72 | 15.8 | 73  | 16.1 | 74                              | 15.4 | 73 | 15.1 | 74 | 15.0   | 75 | 14.3                      | 70  |
| 75                        |                                                                                                                                                  |      |     |      |     |                                 | 70 | 13.9 | 71  | 14.8 | 72                              | 14.8 | 71 | 13.6 | 73 | 14.1   | 74 | 13.9                      | 75  |
| 80                        |                                                                                                                                                  |      |     |      |     |                                 | 69 | 12.2 | 70  | 13.1 | 71                              | 13.9 | 70 | 12.0 | 72 | 12.8   | 73 | 13.3                      | 80  |
| 85                        |                                                                                                                                                  |      |     |      |     |                                 | 67 | 10.7 | 69  | 11.6 | 69                              | 12.2 | 69 | 10.5 | 70 | 11.3   | 71 | 12.0                      | 85  |
| 90                        |                                                                                                                                                  |      |     |      |     |                                 | 66 | 9.2  | 68  | 10.0 | 68                              | 10.5 | 68 | 9.1  | 69 | 9.8    | 70 | 10.5                      | 90  |
| 95                        |                                                                                                                                                  |      |     |      |     |                                 | 64 | 7.8  | 66  | 8.5  | 66                              | 9.0  | 66 | 7.8  | 67 | 8.4    | 68 | 9.1                       | 95  |
| 100                       |                                                                                                                                                  |      |     |      |     |                                 | 63 | 6.5  | 64  | 7.1  | 65                              | 7.6  | 65 | 6.5  | 66 | 7.1    | 67 | 7.7                       | 100 |
| 110                       |                                                                                                                                                  |      |     |      |     |                                 | 59 | 4.5  | 60  | 4.9  | 61                              | 5.4  | 61 | 4.5  | 63 | 4.9    | 63 | 5.4                       | 110 |
| 120                       |                                                                                                                                                  |      |     |      |     |                                 |    |      | 57  | 3.2  | 58                              | 3.4  |    |      | 59 | 3.2    | 60 | 3.4                       | 120 |
| 130                       |                                                                                                                                                  |      |     |      |     |                                 |    |      |     |      |                                 |      |    |      |    |        |    |                           | 130 |
| 140                       |                                                                                                                                                  |      |     |      |     |                                 |    |      |     |      |                                 |      |    |      |    |        |    |                           | 140 |
| 150                       |                                                                                                                                                  |      |     |      |     |                                 |    |      |     |      |                                 |      |    |      |    |        |    |                           | 150 |
| 160                       |                                                                                                                                                  |      |     |      |     |                                 |    |      |     |      |                                 |      |    |      |    |        |    |                           | 160 |
| Telescoping sequence %    |                                                                                                                                                  |      |     |      |     |                                 |    |      |     |      |                                 |      |    |      |    |        |    |                           |     |
| Tel. 1                    | 0                                                                                                                                                |      |     |      |     | 93                              |    |      |     |      | 100                             |      |    |      |    | Tel. 1 |    |                           |     |
| Tel. 2                    | 0                                                                                                                                                |      |     |      |     | 93                              |    |      |     |      | 100                             |      |    |      |    | Tel. 2 |    |                           |     |
| Tel. 3                    | 0                                                                                                                                                |      |     |      |     | 93                              |    |      |     |      | 100                             |      |    |      |    | Tel. 3 |    |                           |     |
| Tel. 4                    | 0                                                                                                                                                |      |     |      |     | 93                              |    |      |     |      | 100                             |      |    |      |    | Tel. 4 |    |                           |     |
| Tel. 5                    | 0                                                                                                                                                |      |     |      |     | 93                              |    |      |     |      | 100                             |      |    |      |    | Tel. 5 |    |                           |     |

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

## Counterweight 55,115 lbs

| Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 43.3 ft<br>On outriggers, 360° working area<br><b>Outrigger base 18.37 ft</b> |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                 |  |  |  |                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------|--|--|--|---------------------------|
| Working<br>Radius<br>(ft)                                                                                                                       | Boom length 43.3 ft to 186.0 ft                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | Boom length 43.3 ft to 196.9 ft |  |  |  | Working<br>Radius<br>(ft) |
|                                                                                                                                                 | Fly jib 43.3 ft<br>offset                                                         |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | Fly jib 43.3 ft<br>offset                                                         |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                 |  |  |  |                           |
|                                                                                                                                                 | 0°                                                                                |                                                                                   | 20°                                                                               |                                                                                   | 40°                                                                               |                                                                                   | 0°                                                                                |                                                                                   | 20°                                                                               |                                                                                   | 40°                                                                               |                                                                                   |                                 |  |  |  |                           |
|                                                                                                                                                 |  |  |  |  |  |  |  |  |  |  |  |  |                                 |  |  |  |                           |
| 40                                                                                                                                              | 80                                                                                | 16.5                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 81                                                                                | 13.9                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 40                              |  |  |  |                           |
| 45                                                                                                                                              | 79                                                                                | 16.5                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 79                                                                                | 13.9                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 45                              |  |  |  |                           |
| 50                                                                                                                                              | 78                                                                                | 16.0                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 78                                                                                | 13.9                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 50                              |  |  |  |                           |
| 55                                                                                                                                              | 77                                                                                | 15.3                                                                              | 81                                                                                | 12.2                                                                              |                                                                                   |                                                                                   | 78                                                                                | 13.9                                                                              |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 55                              |  |  |  |                           |
| 60                                                                                                                                              | 76                                                                                | 14.7                                                                              | 80                                                                                | 11.8                                                                              |                                                                                   |                                                                                   | 77                                                                                | 13.8                                                                              | 80                                                                                | 11.7                                                                              |                                                                                   |                                                                                   | 60                              |  |  |  |                           |
| 65                                                                                                                                              | 74                                                                                | 14.2                                                                              | 78                                                                                | 11.5                                                                              |                                                                                   |                                                                                   | 75                                                                                | 13.3                                                                              | 79                                                                                | 11.5                                                                              |                                                                                   |                                                                                   | 65                              |  |  |  |                           |
| 70                                                                                                                                              | 73                                                                                | 13.7                                                                              | 77                                                                                | 11.3                                                                              | 80                                                                                | 9.6                                                                               | 74                                                                                | 12.8                                                                              | 78                                                                                | 11.2                                                                              | 80                                                                                | 9.6                                                                               | 70                              |  |  |  |                           |
| 75                                                                                                                                              | 72                                                                                | 13.2                                                                              | 76                                                                                | 11.1                                                                              | 79                                                                                | 9.4                                                                               | 74                                                                                | 12.4                                                                              | 77                                                                                | 10.9                                                                              | 79                                                                                | 9.4                                                                               | 75                              |  |  |  |                           |
| 80                                                                                                                                              | 71                                                                                | 12.4                                                                              | 75                                                                                | 10.8                                                                              | 78                                                                                | 9.3                                                                               | 73                                                                                | 11.8                                                                              | 76                                                                                | 10.7                                                                              | 78                                                                                | 9.2                                                                               | 80                              |  |  |  |                           |
| 85                                                                                                                                              | 70                                                                                | 10.9                                                                              | 73                                                                                | 10.6                                                                              | 76                                                                                | 9.3                                                                               | 71                                                                                | 10.4                                                                              | 74                                                                                | 10.4                                                                              | 77                                                                                | 9.0                                                                               | 85                              |  |  |  |                           |
| 90                                                                                                                                              | 69                                                                                | 9.5                                                                               | 72                                                                                | 10.4                                                                              | 75                                                                                | 9.1                                                                               | 70                                                                                | 9.3                                                                               | 73                                                                                | 10.0                                                                              | 76                                                                                | 9.0                                                                               | 90                              |  |  |  |                           |
| 95                                                                                                                                              | 67                                                                                | 8.4                                                                               | 71                                                                                | 9.8                                                                               | 73                                                                                | 8.9                                                                               | 69                                                                                | 8.1                                                                               | 72                                                                                | 9.5                                                                               | 75                                                                                | 8.9                                                                               | 95                              |  |  |  |                           |
| 100                                                                                                                                             | 66                                                                                | 7.4                                                                               | 70                                                                                | 8.9                                                                               | 72                                                                                | 8.8                                                                               | 68                                                                                | 7.0                                                                               | 71                                                                                | 8.7                                                                               | 74                                                                                | 8.8                                                                               | 100                             |  |  |  |                           |
| 110                                                                                                                                             | 63                                                                                | 5.4                                                                               | 66                                                                                | 6.9                                                                               | 69                                                                                | 8.0                                                                               | 65                                                                                | 5.1                                                                               | 68                                                                                | 6.7                                                                               | 70                                                                                | 7.9                                                                               | 110                             |  |  |  |                           |
| 120                                                                                                                                             | 60                                                                                | 3.9                                                                               | 64                                                                                | 5.0                                                                               | 66                                                                                | 5.9                                                                               | 62                                                                                | 3.5                                                                               | 66                                                                                | 5.0                                                                               | 68                                                                                | 5.9                                                                               | 120                             |  |  |  |                           |
| 130                                                                                                                                             |                                                                                   |                                                                                   | 61                                                                                | 3.5                                                                               | 63                                                                                | 4.2                                                                               |                                                                                   |                                                                                   | 63                                                                                | 3.5                                                                               | 65                                                                                | 4.2                                                                               | 130                             |  |  |  |                           |
| 140                                                                                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 140                             |  |  |  |                           |
| 150                                                                                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 150                             |  |  |  |                           |
| 160                                                                                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 160                             |  |  |  |                           |
| 170                                                                                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 170                             |  |  |  |                           |
| 180                                                                                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 180                             |  |  |  |                           |
| 190                                                                                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 190                             |  |  |  |                           |
| 200                                                                                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 200                             |  |  |  |                           |
| 210                                                                                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 210                             |  |  |  |                           |
| 220                                                                                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 220                             |  |  |  |                           |
| Telescoping sequence %                                                                                                                          |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                 |  |  |  |                           |
| Tel. 1                                                                                                                                          | 93                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 100                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | Tel. 1                          |  |  |  |                           |
| Tel. 2                                                                                                                                          | 93                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 100                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | Tel. 2                          |  |  |  |                           |
| Tel. 3                                                                                                                                          | 93                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 100                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | Tel. 3                          |  |  |  |                           |
| Tel. 4                                                                                                                                          | 93                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 100                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | Tel. 4                          |  |  |  |                           |
| Tel. 5                                                                                                                                          | 93                                                                                |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 100                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | Tel. 5                          |  |  |  |                           |

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

## Counterweight 55,115 lbs

| Working Radius (ft)    | Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 43.3 ft / 63.0 ft / 82.7 ft / 102.4 ft / 122.0 ft<br>On outriggers, 360° working area<br><b>Outrigger base 27.23 ft</b><br>Boom length 43.3 ft to 186.0 ft |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |     | Working Radius (ft) |                         |     |     |     |     |  |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|------|-----|-----|------------------------|------|-----|-----|-----|-----|------------------------|-----|-----|-----|-----|-----|-------------------------|-----|-----|-----|-----|-----|---------------------|-------------------------|-----|-----|-----|-----|--|
|                        | Fly jib 43.3 ft offset                                                                                                                                                                                                       |      |     |      |     |     | Fly jib 63.0 ft offset |      |     |     |     |     | Fly jib 82.7 ft offset |     |     |     |     |     | Fly jib 102.4 ft offset |     |     |     |     |     |                     | Fly jib 122.0 ft offset |     |     |     |     |  |
|                        | 0°                                                                                                                                                                                                                           |      | 20° |      | 40° |     | 0°                     |      | 20° |     | 40° |     | 0°                     |     | 20° |     | 40° |     | 0°                      |     | 20° |     | 40° |     |                     | 0°                      |     | 20° |     | 40° |  |
|                        | ∠                                                                                                                                                                                                                            |      | ∠   |      | ∠   |     | ∠                      |      | ∠   |     | ∠   |     | ∠                      |     | ∠   |     | ∠   |     | ∠                       |     | ∠   |     | ∠   |     |                     | ∠                       |     | ∠   |     | ∠   |  |
| 40                     | 80                                                                                                                                                                                                                           | 16.5 |     |      |     |     | 81                     | 12.3 |     |     |     |     | 82                     | 9.3 |     |     |     |     |                         |     |     |     |     |     |                     |                         |     |     |     | 40  |  |
| 45                     | 79                                                                                                                                                                                                                           | 16.5 |     |      |     |     | 80                     | 12.3 |     |     |     |     | 81                     | 9.3 |     |     |     |     |                         |     |     |     |     |     |                     |                         |     |     |     | 45  |  |
| 50                     | 78                                                                                                                                                                                                                           | 16.0 |     |      |     |     | 79                     | 12.3 |     |     |     |     | 80                     | 9.3 |     |     |     |     | 80                      | 6.9 |     |     |     |     |                     |                         |     |     |     | 50  |  |
| 55                     | 77                                                                                                                                                                                                                           | 15.3 | 81  | 12.2 |     |     | 78                     | 12.3 |     |     |     |     | 79                     | 9.3 |     |     |     |     |                         | 80  | 6.8 |     |     |     | 81                  | 4.8                     |     |     |     | 55  |  |
| 60                     | 76                                                                                                                                                                                                                           | 14.7 | 80  | 11.8 |     |     | 77                     | 12.3 |     |     |     |     | 78                     | 9.3 |     |     |     |     | 79                      | 6.6 |     |     |     | 80  | 4.6                 |                         |     |     |     | 60  |  |
| 65                     | 74                                                                                                                                                                                                                           | 14.2 | 78  | 11.5 |     |     | 76                     | 11.9 |     |     |     |     | 77                     | 9.3 |     |     |     |     | 78                      | 6.4 |     |     |     | 79  | 4.4                 |                         |     |     |     | 65  |  |
| 70                     | 73                                                                                                                                                                                                                           | 13.7 | 77  | 11.3 | 80  | 9.6 | 75                     | 11.5 | 80  | 9.8 |     |     | 76                     | 9.0 |     |     |     | 77  | 6.4                     |     |     |     | 78  | 4.4 |                     |                         |     |     | 70  |     |  |
| 75                     | 72                                                                                                                                                                                                                           | 13.2 | 76  | 11.1 | 79  | 9.4 | 74                     | 11.1 | 79  | 9.5 |     |     | 76                     | 8.7 |     |     |     | 77  | 6.3                     |     |     |     | 78  | 4.3 |                     |                         |     |     | 75  |     |  |
| 80                     | 71                                                                                                                                                                                                                           | 12.7 | 75  | 10.8 | 78  | 9.3 | 73                     | 10.7 | 78  | 9.2 |     |     | 75                     | 8.6 | 81  | 7.0 |     | 76  | 6.1                     |     |     |     | 77  | 4.2 |                     |                         |     |     | 80  |     |  |
| 85                     | 70                                                                                                                                                                                                                           | 12.4 | 73  | 10.6 | 76  | 9.3 | 72                     | 10.4 | 76  | 9.0 |     |     | 73                     | 8.4 | 79  | 6.8 |     | 75  | 6.0                     |     |     |     | 76  | 4.2 |                     |                         |     |     | 85  |     |  |
| 90                     | 69                                                                                                                                                                                                                           | 11.9 | 72  | 10.4 | 75  | 9.1 | 71                     | 10.0 | 75  | 8.7 | 79  | 8.0 | 72                     | 8.2 | 78  | 6.7 |     | 74  | 5.8                     |     |     |     | 75  | 4.0 |                     |                         |     |     | 90  |     |  |
| 95                     | 67                                                                                                                                                                                                                           | 11.5 | 71  | 10.2 | 73  | 8.9 | 70                     | 9.7  | 74  | 8.5 | 78  | 7.8 | 72                     | 8.1 | 77  | 6.5 |     | 73  | 5.7                     | 80  | 4.5 |     | 75  | 3.9 |                     |                         |     |     | 95  |     |  |
| 100                    | 66                                                                                                                                                                                                                           | 11.1 | 70  | 9.9  | 72  | 8.8 | 69                     | 9.4  | 73  | 8.3 | 77  | 7.7 | 71                     | 7.9 | 76  | 6.4 | 81  | 5.5 | 72                      | 5.7 | 79  | 4.4 |     | 74  | 3.7                 |                         |     |     | 100 |     |  |
| 110                    | 63                                                                                                                                                                                                                           | 10.5 | 66  | 9.5  | 69  | 8.6 | 66                     | 8.9  | 70  | 7.8 | 74  | 7.2 | 68                     | 7.4 | 74  | 6.2 | 78  | 5.3 | 70                      | 5.3 | 77  | 4.2 |     | 72  | 3.6                 | 79                      | 2.9 |     | 110 |     |  |
| 120                    | 60                                                                                                                                                                                                                           | 10.0 | 64  | 9.0  | 66  | 8.4 | 64                     | 8.3  | 68  | 7.4 | 71  | 7.0 | 66                     | 7.0 | 72  | 6.0 | 76  | 5.2 | 68                      | 5.1 | 75  | 4.1 | 80  | 3.7 | 70                  | 3.5                     | 78  | 2.6 | 120 |     |  |
| 130                    | 58                                                                                                                                                                                                                           | 8.8  | 61  | 8.6  | 63  | 8.2 | 61                     | 8.0  | 65  | 7.1 | 69  | 6.7 | 64                     | 6.7 | 69  | 5.8 | 73  | 5.1 | 66                      | 4.9 | 73  | 4.0 | 78  | 3.5 | 68                  | 3.3                     | 76  | 2.5 | 130 |     |  |
| 140                    | 55                                                                                                                                                                                                                           | 7.0  | 58  | 7.6  | 60  | 7.7 | 59                     | 7.1  | 63  | 6.8 | 66  | 6.3 | 62                     | 6.3 | 67  | 5.4 | 71  | 4.9 | 64                      | 4.7 | 71  | 3.8 | 76  | 3.4 | 67                  | 3.2                     | 74  | 2.4 | 140 |     |  |
| 150                    | 52                                                                                                                                                                                                                           | 5.3  | 55  | 6.1  | 57  | 6.5 | 56                     | 5.8  | 60  | 6.2 | 63  | 6.1 | 60                     | 5.7 | 65  | 5.2 | 69  | 4.8 | 62                      | 4.5 | 69  | 3.7 | 74  | 3.3 | 65                  | 3.0                     | 72  | 2.3 | 150 |     |  |
| 160                    | 48                                                                                                                                                                                                                           | 3.9  | 51  | 4.5  | 53  | 4.9 | 53                     | 4.3  | 57  | 5.4 | 60  | 5.7 | 57                     | 4.7 | 62  | 5.0 | 66  | 4.6 | 60                      | 4.3 | 66  | 3.5 | 71  | 3.3 | 63                  | 2.8                     | 70  | 2.2 | 160 |     |  |
| 170                    | 45                                                                                                                                                                                                                           | 2.5  | 48  | 3.2  | 49  | 3.4 | 50                     | 2.9  | 54  | 4.3 | 56  | 4.7 | 54                     | 3.4 | 59  | 4.9 | 63  | 4.6 | 58                      | 3.8 | 64  | 3.5 | 68  | 3.1 | 61                  | 2.7                     | 68  | 2.2 | 170 |     |  |
| 180                    |                                                                                                                                                                                                                              |      |     |      |     |     |                        |      | 51  | 2.9 | 53  | 3.4 |                        |     | 57  | 3.6 | 60  | 4.2 |                         |     | 62  | 3.4 | 66  | 3.1 | 59                  | 2.5                     |     |     | 180 |     |  |
| 190                    |                                                                                                                                                                                                                              |      |     |      |     |     |                        |      |     |     |     |     |                        |     | 57  | 3.2 |     |     |                         |     | 59  | 2.9 | 63  | 3.0 |                     |                         |     |     | 190 |     |  |
| 200                    |                                                                                                                                                                                                                              |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     | 60  | 2.8 |                     |                         |     |     | 200 |     |  |
| 210                    |                                                                                                                                                                                                                              |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |     |                     |                         |     |     | 210 |     |  |
| 220                    |                                                                                                                                                                                                                              |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |     |                     |                         |     |     | 220 |     |  |
| 230                    |                                                                                                                                                                                                                              |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |     |                     |                         |     |     | 230 |     |  |
| 240                    |                                                                                                                                                                                                                              |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |     |                     |                         |     |     | 240 |     |  |
| 250                    |                                                                                                                                                                                                                              |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |     |                     |                         |     |     | 250 |     |  |
| Telescoping sequence % |                                                                                                                                                                                                                              |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |     |                     |                         |     |     |     |     |  |
| Tel. 1                 | 93                                                                                                                                                                                                                           |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |     |                     | Tel. 1                  |     |     |     |     |  |
| Tel. 2                 | 93                                                                                                                                                                                                                           |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |     |                     | Tel. 2                  |     |     |     |     |  |
| Tel. 3                 | 93                                                                                                                                                                                                                           |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |     |                     | Tel. 3                  |     |     |     |     |  |
| Tel. 4                 | 93                                                                                                                                                                                                                           |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |     |                     | Tel. 4                  |     |     |     |     |  |
| Tel. 5                 | 93                                                                                                                                                                                                                           |      |     |      |     |     |                        |      |     |     |     |     |                        |     |     |     |     |     |                         |     |     |     |     |     |                     | Tel. 5                  |     |     |     |     |  |

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

## Counterweight 55,115 lbs

| Working Radius (ft)    | Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 43.3 ft / 63.0 ft / 82.7 ft / 102.4 ft / 122.0 ft<br>On outriggers, 360° working area<br><b>Outrigger base 27.23 ft</b><br>Boom length 43.3 ft to 196.9 ft |      |    |      |    |     |                        |      |    |     |    |     |                        |     |    |     |    |     |                         |     |     |     |   |    | Working Radius (ft) |                         |        |    |    |   |    |     |     |    |     |  |  |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|------|----|-----|------------------------|------|----|-----|----|-----|------------------------|-----|----|-----|----|-----|-------------------------|-----|-----|-----|---|----|---------------------|-------------------------|--------|----|----|---|----|-----|-----|----|-----|--|--|
|                        | Fly jib 43.3 ft offset                                                                                                                                                                                                       |      |    |      |    |     | Fly jib 63.0 ft offset |      |    |     |    |     | Fly jib 82.7 ft offset |     |    |     |    |     | Fly jib 102.4 ft offset |     |     |     |   |    |                     | Fly jib 122.0 ft offset |        |    |    |   |    |     |     |    |     |  |  |
|                        | 0°                                                                                                                                                                                                                           |      |    | 20°  |    |     | 40°                    |      |    | 0°  |    |     | 20°                    |     |    | 40° |    |     | 0°                      |     |     | 20° |   |    |                     | 40°                     |        |    | 0° |   |    | 20° |     |    | 40° |  |  |
|                        | ∠                                                                                                                                                                                                                            | °    | ft | ∠    | °  | ft  | ∠                      | °    | ft | ∠   | °  | ft  | ∠                      | °   | ft | ∠   | °  | ft  | ∠                       | °   | ft  | ∠   | ° | ft |                     | ∠                       | °      | ft | ∠  | ° | ft | ∠   | °   | ft |     |  |  |
| 40                     | 81                                                                                                                                                                                                                           | 13.9 |    |      |    |     | 81                     | 10.6 |    |     |    |     |                        |     |    |     |    |     | 82                      | 6.2 |     |     |   |    |                     |                         |        |    |    |   |    | 40  |     |    |     |  |  |
| 45                     | 79                                                                                                                                                                                                                           | 13.9 |    |      |    |     | 80                     | 10.6 |    |     |    |     |                        |     |    |     |    |     |                         |     |     |     |   |    |                     |                         |        |    |    |   |    | 45  |     |    |     |  |  |
| 50                     | 78                                                                                                                                                                                                                           | 13.9 |    |      |    |     | 79                     | 10.6 |    |     |    |     | 81                     | 7.9 |    |     |    |     | 82                      | 6.2 |     |     |   |    |                     |                         |        |    |    |   |    | 50  |     |    |     |  |  |
| 55                     | 78                                                                                                                                                                                                                           | 13.9 |    |      |    |     | 79                     | 10.6 |    |     |    |     | 80                     | 7.9 |    |     |    |     | 81                      | 6.2 |     |     |   |    |                     | 81                      | 4.5    |    |    |   |    | 55  |     |    |     |  |  |
| 60                     | 77                                                                                                                                                                                                                           | 13.9 | 80 | 11.7 |    |     | 78                     | 10.6 |    |     |    |     | 79                     | 7.9 |    |     |    |     | 80                      | 6.2 |     |     |   |    |                     | 80                      | 4.4    |    |    |   |    | 60  |     |    |     |  |  |
| 65                     | 75                                                                                                                                                                                                                           | 13.8 | 79 | 11.5 |    |     | 77                     | 10.6 |    |     |    |     | 78                     | 7.9 |    |     |    |     | 79                      | 6.2 |     |     |   |    |                     | 79                      | 4.2    |    |    |   |    | 65  |     |    |     |  |  |
| 70                     | 74                                                                                                                                                                                                                           | 12.8 | 78 | 11.2 | 80 | 9.6 | 76                     | 10.6 | 80 | 9.4 |    |     | 77                     | 7.9 |    |     |    | 78  | 6.0                     |     |     |     |   |    | 78                  | 4.2                     |        |    |    |   |    | 70  |     |    |     |  |  |
| 75                     | 74                                                                                                                                                                                                                           | 12.4 | 77 | 10.9 | 79 | 9.4 | 75                     | 10.4 | 80 | 9.1 |    |     | 76                     | 7.9 |    |     |    | 77  | 6.0                     |     |     |     |   |    | 78                  | 4.1                     |        |    |    |   |    | 75  |     |    |     |  |  |
| 80                     | 73                                                                                                                                                                                                                           | 12.0 | 76 | 10.7 | 78 | 9.2 | 74                     | 10.1 | 79 | 8.8 |    |     | 75                     | 7.9 | 81 | 6.8 |    | 76  | 5.9                     |     |     |     |   |    | 77                  | 4.0                     |        |    |    |   |    | 80  |     |    |     |  |  |
| 85                     | 71                                                                                                                                                                                                                           | 11.5 | 74 | 10.4 | 77 | 9.0 | 73                     | 9.7  | 77 | 8.6 |    |     | 74                     | 7.9 | 80 | 6.6 |    | 75  | 5.7                     |     |     |     |   |    | 76                  | 4.0                     |        |    |    |   |    | 85  |     |    |     |  |  |
| 90                     | 70                                                                                                                                                                                                                           | 11.1 | 73 | 10.0 | 76 | 9.0 | 72                     | 9.4  | 76 | 8.3 | 80 | 7.6 | 73                     | 7.9 | 79 | 6.5 |    | 74  | 5.6                     |     |     |     |   |    | 75                  | 3.8                     |        |    |    |   |    | 90  |     |    |     |  |  |
| 95                     | 69                                                                                                                                                                                                                           | 10.8 | 72 | 9.7  | 75 | 8.9 | 71                     | 9.2  | 75 | 8.1 | 79 | 7.4 | 73                     | 7.7 | 78 | 6.4 |    | 74  | 5.5                     | 81  | 4.4 |     |   |    | 75                  | 3.7                     |        |    |    |   |    | 95  |     |    |     |  |  |
| 100                    | 68                                                                                                                                                                                                                           | 10.5 | 71 | 9.4  | 74 | 8.8 | 70                     | 8.9  | 74 | 7.8 | 78 | 7.2 | 72                     | 7.4 | 77 | 6.3 | 82 | 5.5 | 73                      | 5.5 | 80  | 4.4 |   |    | 74                  | 3.7                     |        |    |    |   |    | 100 |     |    |     |  |  |
| 110                    | 65                                                                                                                                                                                                                           | 10.0 | 68 | 9.1  | 70 | 8.4 | 67                     | 8.4  | 72 | 7.3 | 75 | 6.9 | 69                     | 7.1 | 75 | 6.0 | 79 | 5.3 | 71                      | 5.1 | 77  | 4.2 |   |    | 72                  | 3.5                     |        |    |    |   |    | 110 |     |    |     |  |  |
| 120                    | 62                                                                                                                                                                                                                           | 9.4  | 66 | 8.5  | 68 | 8.1 | 65                     | 7.9  | 69 | 7.0 | 73 | 6.6 | 68                     | 6.6 | 73 | 5.9 | 77 | 5.2 | 70                      | 5.0 | 76  | 4.0 |   |    | 71                  | 3.3                     |        |    |    |   |    | 120 |     |    |     |  |  |
| 130                    | 60                                                                                                                                                                                                                           | 8.3  | 63 | 8.2  | 65 | 7.8 | 63                     | 7.5  | 67 | 6.7 | 70 | 6.2 | 65                     | 6.2 | 71 | 5.6 | 75 | 5.1 | 67                      | 4.9 | 73  | 4.0 |   |    | 69                  | 3.1                     |        |    |    |   |    | 130 |     |    |     |  |  |
| 140                    | 57                                                                                                                                                                                                                           | 6.5  | 60 | 7.4  | 62 | 7.6 | 61                     | 6.8  | 65 | 6.3 | 68 | 6.0 | 63                     | 5.9 | 69 | 5.2 | 73 | 4.9 | 66                      | 4.7 | 72  | 3.8 |   |    | 68                  | 3.1                     |        |    |    |   |    | 140 |     |    |     |  |  |
| 150                    | 54                                                                                                                                                                                                                           | 5.1  | 57 | 6.1  | 59 | 6.5 | 58                     | 5.5  | 62 | 6.0 | 65 | 5.9 | 61                     | 5.4 | 67 | 5.0 | 70 | 4.8 | 64                      | 4.5 | 70  | 3.7 |   |    | 66                  | 3.0                     |        |    |    |   |    | 150 |     |    |     |  |  |
| 160                    | 51                                                                                                                                                                                                                           | 3.9  | 54 | 4.5  | 56 | 4.9 | 55                     | 4.1  | 59 | 5.4 | 62 | 5.5 | 59                     | 4.5 | 64 | 4.8 | 67 | 4.6 | 62                      | 4.2 | 67  | 3.5 |   |    | 64                  | 2.8                     |        |    |    |   |    | 160 |     |    |     |  |  |
| 170                    | 48                                                                                                                                                                                                                           | 2.5  | 51 | 3.2  | 52 | 3.4 | 53                     | 2.9  | 57 | 4.0 | 59 | 4.7 | 56                     | 3.2 | 61 | 4.6 | 65 | 4.4 | 60                      | 3.4 | 65  | 3.3 |   |    | 62                  | 2.7                     |        |    |    |   |    | 170 |     |    |     |  |  |
| 180                    |                                                                                                                                                                                                                              |      |    |      |    |     |                        |      | 54 | 2.9 | 56 | 3.4 |                        |     | 59 | 3.5 | 62 | 4.1 |                         |     | 63  | 3.1 |   |    |                     |                         |        |    |    |   |    | 180 |     |    |     |  |  |
| 190                    |                                                                                                                                                                                                                              |      |    |      |    |     |                        |      |    |     |    |     |                        |     | 59 | 3.2 |    |     |                         |     | 61  | 2.8 |   |    |                     |                         |        |    |    |   |    | 190 |     |    |     |  |  |
| 200                    |                                                                                                                                                                                                                              |      |    |      |    |     |                        |      |    |     |    |     |                        |     |    |     |    |     |                         |     |     |     |   |    |                     |                         |        |    |    |   |    |     | 200 |    |     |  |  |
| 210                    |                                                                                                                                                                                                                              |      |    |      |    |     |                        |      |    |     |    |     |                        |     |    |     |    |     |                         |     |     |     |   |    |                     |                         |        |    |    |   |    |     | 210 |    |     |  |  |
| 220                    |                                                                                                                                                                                                                              |      |    |      |    |     |                        |      |    |     |    |     |                        |     |    |     |    |     |                         |     |     |     |   |    |                     |                         |        |    |    |   |    |     | 220 |    |     |  |  |
| 230                    |                                                                                                                                                                                                                              |      |    |      |    |     |                        |      |    |     |    |     |                        |     |    |     |    |     |                         |     |     |     |   |    |                     |                         |        |    |    |   |    |     | 230 |    |     |  |  |
| 240                    |                                                                                                                                                                                                                              |      |    |      |    |     |                        |      |    |     |    |     |                        |     |    |     |    |     |                         |     |     |     |   |    |                     |                         |        |    |    |   |    |     | 240 |    |     |  |  |
| 250                    |                                                                                                                                                                                                                              |      |    |      |    |     |                        |      |    |     |    |     |                        |     |    |     |    |     |                         |     |     |     |   |    |                     |                         |        |    |    |   |    |     | 250 |    |     |  |  |
| Telescoping sequence % |                                                                                                                                                                                                                              |      |    |      |    |     |                        |      |    |     |    |     |                        |     |    |     |    |     |                         |     |     |     |   |    |                     |                         |        |    |    |   |    |     |     |    |     |  |  |
| Tel. 1                 | 100                                                                                                                                                                                                                          |      |    |      |    |     |                        |      |    |     |    |     |                        |     |    |     |    |     |                         |     |     |     |   |    |                     |                         | Tel. 1 |    |    |   |    |     |     |    |     |  |  |
| Tel. 2                 | 100                                                                                                                                                                                                                          |      |    |      |    |     |                        |      |    |     |    |     |                        |     |    |     |    |     |                         |     |     |     |   |    |                     |                         | Tel. 2 |    |    |   |    |     |     |    |     |  |  |
| Tel. 3                 | 100                                                                                                                                                                                                                          |      |    |      |    |     |                        |      |    |     |    |     |                        |     |    |     |    |     |                         |     |     |     |   |    |                     |                         | Tel. 3 |    |    |   |    |     |     |    |     |  |  |
| Tel. 4                 | 100                                                                                                                                                                                                                          |      |    |      |    |     |                        |      |    |     |    |     |                        |     |    |     |    |     |                         |     |     |     |   |    |                     |                         | Tel. 4 |    |    |   |    |     |     |    |     |  |  |
| Tel. 5                 | 100                                                                                                                                                                                                                          |      |    |      |    |     |                        |      |    |     |    |     |                        |     |    |     |    |     |                         |     |     |     |   |    |                     |                         | Tel. 5 |    |    |   |    |     |     |    |     |  |  |

## Counterweight 28,660 lbs

| Working Radius (ft)    | Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 17.72 ft<br>On outriggers, 360° working area<br>Outrigger base 27.23 ft |      |     |      |     |                                 |    |      |     |      |                                 |      |    |      | Working Radius (ft) |        |    |      |     |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|------|-----|------|-----|---------------------------------|----|------|-----|------|---------------------------------|------|----|------|---------------------|--------|----|------|-----|
|                        | Boom length 43.3 ft                                                                                                                       |      |     |      |     | Boom length 43.3 ft to 186.0 ft |    |      |     |      | Boom length 43.3 ft to 196.9 ft |      |    |      |                     |        |    |      |     |
|                        | Fly jib 17.72 ft offset                                                                                                                   |      |     |      |     | Fly jib 17.72 ft offset         |    |      |     |      | Fly jib 17.72 ft offset         |      |    |      |                     |        |    |      |     |
|                        | 0°                                                                                                                                        | 20°  | 40° | 5°   | 20° | 40°                             | 5° | 20°  | 40° |      |                                 |      |    |      |                     |        |    |      |     |
| 10                     | 76                                                                                                                                        | 72.8 |     |      |     |                                 |    |      |     |      |                                 |      |    |      | 10                  |        |    |      |     |
| 12                     | 74                                                                                                                                        | 68.7 | 79  | 51.4 |     |                                 |    |      |     |      |                                 |      |    |      | 12                  |        |    |      |     |
| 14                     | 72                                                                                                                                        | 65.7 | 77  | 49.3 |     |                                 |    |      |     |      |                                 |      |    |      | 14                  |        |    |      |     |
| 16                     | 70                                                                                                                                        | 63.0 | 75  | 47.9 | 79  | 40.3                            |    |      |     |      |                                 |      |    |      | 16                  |        |    |      |     |
| 18                     | 68                                                                                                                                        | 60.0 | 74  | 46.4 | 78  | 39.8                            |    |      |     |      |                                 |      |    |      | 18                  |        |    |      |     |
| 20                     | 66                                                                                                                                        | 57.0 | 72  | 45.0 | 76  | 39.4                            |    |      |     |      |                                 |      |    |      | 20                  |        |    |      |     |
| 25                     | 61                                                                                                                                        | 51.8 | 66  | 42.6 | 70  | 38.2                            |    |      |     |      |                                 |      |    |      | 25                  |        |    |      |     |
| 30                     | 55                                                                                                                                        | 47.3 | 60  | 40.6 | 63  | 37.2                            |    |      |     |      |                                 |      |    |      | 30                  |        |    |      |     |
| 35                     | 49                                                                                                                                        | 43.9 | 54  | 38.9 | 57  | 37.0                            | 80 | 23.0 |     |      |                                 |      |    |      | 35                  |        |    |      |     |
| 40                     | 42                                                                                                                                        | 41.2 | 47  | 37.8 | 50  | 37.0                            | 79 | 21.9 | 81  | 20.2 |                                 |      | 80 | 20.4 | 40                  |        |    |      |     |
| 45                     | 34                                                                                                                                        | 39.0 | 39  | 37.2 |     |                                 | 78 | 20.9 | 79  | 19.3 |                                 |      | 79 | 19.4 | 80                  | 18.0   | 45 |      |     |
| 50                     | 22                                                                                                                                        | 37.6 |     |      |     |                                 | 77 | 19.9 | 78  | 18.5 | 80                              | 17.5 | 78 | 18.5 | 79                  | 17.3   | 80 | 16.4 | 50  |
| 55                     |                                                                                                                                           |      |     |      |     |                                 | 75 | 19.1 | 77  | 17.7 | 78                              | 16.9 | 76 | 17.7 | 78                  | 16.6   | 79 | 15.8 | 55  |
| 60                     |                                                                                                                                           |      |     |      |     |                                 | 74 | 18.4 | 76  | 17.1 | 77                              | 16.4 | 75 | 17.1 | 77                  | 16.0   | 78 | 15.3 | 60  |
| 65                     |                                                                                                                                           |      |     |      |     |                                 | 73 | 17.5 | 74  | 16.6 | 75                              | 15.9 | 74 | 16.4 | 75                  | 15.5   | 76 | 14.8 | 65  |
| 70                     |                                                                                                                                           |      |     |      |     |                                 | 72 | 16.8 | 73  | 16.1 | 74                              | 15.4 | 73 | 15.7 | 74                  | 15.0   | 75 | 14.3 | 70  |
| 75                     |                                                                                                                                           |      |     |      |     |                                 | 70 | 16.3 | 71  | 15.6 | 72                              | 14.9 | 71 | 15.1 | 73                  | 14.5   | 74 | 13.9 | 75  |
| 80                     |                                                                                                                                           |      |     |      |     |                                 | 69 | 15.5 | 70  | 15.1 | 71                              | 14.5 | 70 | 14.6 | 72                  | 14.0   | 73 | 13.6 | 80  |
| 85                     |                                                                                                                                           |      |     |      |     |                                 | 67 | 14.0 | 69  | 14.6 | 69                              | 14.1 | 69 | 13.9 | 70                  | 13.5   | 71 | 13.2 | 85  |
| 90                     |                                                                                                                                           |      |     |      |     |                                 | 66 | 12.2 | 68  | 12.8 | 68                              | 13.2 | 68 | 12.2 | 69                  | 12.5   | 70 | 12.9 | 90  |
| 95                     |                                                                                                                                           |      |     |      |     |                                 | 64 | 10.4 | 66  | 11.1 | 66                              | 11.6 | 66 | 10.4 | 67                  | 11.1   | 68 | 11.6 | 95  |
| 100                    |                                                                                                                                           |      |     |      |     |                                 | 63 | 8.8  | 64  | 9.4  | 65                              | 9.9  | 65 | 8.8  | 66                  | 9.4    | 67 | 9.9  | 100 |
| 110                    |                                                                                                                                           |      |     |      |     |                                 | 59 | 6.1  | 60  | 6.9  | 61                              | 7.3  | 61 | 6.1  | 63                  | 6.9    | 63 | 7.3  | 110 |
| 120                    |                                                                                                                                           |      |     |      |     |                                 | 56 | 4.0  | 57  | 4.7  | 58                              | 5.0  | 58 | 4.0  | 59                  | 4.7    | 60 | 5.0  | 120 |
| 130                    |                                                                                                                                           |      |     |      |     |                                 |    |      | 54  | 2.9  | 54                              | 3.1  |    |      | 56                  | 2.9    | 57 | 3.1  | 130 |
| 140                    |                                                                                                                                           |      |     |      |     |                                 |    |      |     |      |                                 |      |    |      |                     |        |    |      | 140 |
| 150                    |                                                                                                                                           |      |     |      |     |                                 |    |      |     |      |                                 |      |    |      |                     |        |    |      | 150 |
| Telescoping sequence % |                                                                                                                                           |      |     |      |     |                                 |    |      |     |      |                                 |      |    |      |                     |        |    |      |     |
| Tel. 1                 | 0                                                                                                                                         |      |     |      |     | 93                              |    |      |     |      | 100                             |      |    |      |                     | Tel. 1 |    |      |     |
| Tel. 2                 | 0                                                                                                                                         |      |     |      |     | 93                              |    |      |     |      | 100                             |      |    |      |                     | Tel. 2 |    |      |     |
| Tel. 3                 | 0                                                                                                                                         |      |     |      |     | 93                              |    |      |     |      | 100                             |      |    |      |                     | Tel. 3 |    |      |     |
| Tel. 4                 | 0                                                                                                                                         |      |     |      |     | 93                              |    |      |     |      | 100                             |      |    |      |                     | Tel. 4 |    |      |     |
| Tel. 5                 | 0                                                                                                                                         |      |     |      |     | 93                              |    |      |     |      | 100                             |      |    |      |                     | Tel. 5 |    |      |     |

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

## Counterweight 28,660 lbs

| Lifting capacities in 1,000 lbs according per SAE J765 on fly jib 43.3 ft |                                 |      |     |      |     |     |  |                                 |      |     |      |     |     |  |                     |
|---------------------------------------------------------------------------|---------------------------------|------|-----|------|-----|-----|--|---------------------------------|------|-----|------|-----|-----|--|---------------------|
| On outriggers, 360° working area                                          |                                 |      |     |      |     |     |  |                                 |      |     |      |     |     |  |                     |
| Working Radius (ft)                                                       | Outrigger base 27.23 ft         |      |     |      |     |     |  |                                 |      |     |      |     |     |  | Working Radius (ft) |
|                                                                           | Boom length 43.3 ft to 186.0 ft |      |     |      |     |     |  | Boom length 43.3 ft to 196.9 ft |      |     |      |     |     |  |                     |
|                                                                           | Fly jib 43.3 ft offset          |      |     |      |     |     |  | Fly jib 43.3 ft offset          |      |     |      |     |     |  |                     |
|                                                                           | 0°                              |      | 20° |      | 40° |     |  | 0°                              |      | 20° |      | 40° |     |  |                     |
|                                                                           | ∠                               |      | ∠   |      | ∠   |     |  | ∠                               |      | ∠   |      | ∠   |     |  |                     |
| 40                                                                        | 80                              | 16.5 |     |      |     |     |  | 81                              | 13.9 |     |      |     |     |  | 40                  |
| 45                                                                        | 79                              | 16.5 |     |      |     |     |  | 79                              | 13.9 |     |      |     |     |  | 45                  |
| 50                                                                        | 78                              | 16.0 |     |      |     |     |  | 78                              | 13.9 |     |      |     |     |  | 50                  |
| 55                                                                        | 77                              | 15.3 | 81  | 12.2 |     |     |  | 78                              | 13.9 |     |      |     |     |  | 55                  |
| 60                                                                        | 76                              | 14.7 | 80  | 11.8 |     |     |  | 77                              | 13.8 | 80  | 11.7 |     |     |  | 60                  |
| 65                                                                        | 74                              | 14.2 | 78  | 11.5 |     |     |  | 75                              | 13.3 | 79  | 11.5 |     |     |  | 65                  |
| 70                                                                        | 73                              | 13.7 | 77  | 11.3 | 80  | 9.6 |  | 74                              | 12.8 | 78  | 11.2 | 80  | 9.6 |  | 70                  |
| 75                                                                        | 72                              | 13.2 | 76  | 11.1 | 79  | 9.4 |  | 74                              | 12.4 | 77  | 10.9 | 79  | 9.4 |  | 75                  |
| 80                                                                        | 71                              | 12.7 | 75  | 10.8 | 78  | 9.3 |  | 73                              | 12.0 | 76  | 10.7 | 78  | 9.2 |  | 80                  |
| 85                                                                        | 70                              | 12.4 | 73  | 10.6 | 76  | 9.3 |  | 71                              | 11.5 | 74  | 10.4 | 77  | 9.0 |  | 85                  |
| 90                                                                        | 69                              | 11.9 | 72  | 10.4 | 75  | 9.1 |  | 70                              | 11.1 | 73  | 10.0 | 76  | 9.0 |  | 90                  |
| 95                                                                        | 67                              | 11.2 | 71  | 10.2 | 73  | 8.9 |  | 69                              | 10.7 | 72  | 9.7  | 75  | 8.9 |  | 95                  |
| 100                                                                       | 66                              | 10.2 | 70  | 9.9  | 72  | 8.8 |  | 68                              | 10.0 | 71  | 9.4  | 74  | 8.8 |  | 100                 |
| 110                                                                       | 63                              | 7.5  | 66  | 9.0  | 69  | 8.6 |  | 65                              | 7.5  | 68  | 8.8  | 70  | 8.4 |  | 110                 |
| 120                                                                       | 60                              | 5.4  | 64  | 6.7  | 66  | 7.8 |  | 62                              | 5.2  | 66  | 6.7  | 68  | 7.6 |  | 120                 |
| 130                                                                       | 58                              | 3.6  | 61  | 4.8  | 63  | 5.6 |  | 60                              | 3.5  | 63  | 4.8  | 65  | 5.5 |  | 130                 |
| 140                                                                       |                                 |      | 58  | 3.3  | 60  | 3.8 |  |                                 |      | 60  | 3.2  | 62  | 3.8 |  | 140                 |
| 150                                                                       |                                 |      |     |      |     |     |  |                                 |      |     |      |     |     |  | 150                 |
| Telescoping sequence %                                                    |                                 |      |     |      |     |     |  |                                 |      |     |      |     |     |  |                     |
| Tel. 1                                                                    | 93                              |      |     |      |     |     |  | 100                             |      |     |      |     |     |  | Tel. 1              |
| Tel. 2                                                                    | 93                              |      |     |      |     |     |  | 100                             |      |     |      |     |     |  | Tel. 2              |
| Tel. 3                                                                    | 93                              |      |     |      |     |     |  | 100                             |      |     |      |     |     |  | Tel. 3              |
| Tel. 4                                                                    | 93                              |      |     |      |     |     |  | 100                             |      |     |      |     |     |  | Tel. 4              |
| Tel. 5                                                                    | 93                              |      |     |      |     |     |  | 100                             |      |     |      |     |     |  | Tel. 5              |

Operation and maintenance of this machine must be in compliance with the information provided in the "Operation and Maintenance Manual" supplied with this machine.

# WARNING AND OPERATING INSTRUCTIONS FOR LIFTING CAPACITIES

## GENERAL

1. Total rated loads shown on the TADANO load rating chart apply only to the machine as originally manufactured and normally equipped by TADANO. Modifications to the machine or use of optional equipment other than that specified can result in a reduction of capacity.
2. Hydraulic cranes can be hazardous if improperly operated or maintained. Operation and maintenance of this machine must be in compliance with the information in the **Operation and Maintenance Manual** supplied with the crane. If this manual is missing, order replacement through the distributor.
3. The operator and other personnel associated with this machine shall fully acquaint themselves with the latest applicable American National Standards Institute (ANSI) safety standards for cranes.

## SET UP

1. Total rated loads shown on the TADANO load rating chart are the maximum allowable crane capacities. They are based on the machine standing level on firm supporting surface under ideal job conditions. Depending on the nature of the supporting surface, it may be necessary to have structural supports under the outrigger floats to spread the load to a larger bearing surface.
2. For on outrigger operation, outriggers shall be extended to the dimension according to the TADANO LOAD RATING CHART and secured by pins with tires free of supporting surface, before operating crane.
3. Working on tires are travelling with load is not allowed.
4. The weight of the auxiliary winch with 3,100 lbs is taken into account as a part of counterweight. Therefore the auxiliary winch must be attached always at the superstructure for crane operation.

## OPERATION

1. Total rated loads with outriggers fully extended do not exceed 85% of the tipping loads. Total rated loads with outriggers half extended are determined from the formula:  
total rated load = (tipping load - 0.1 tip reaction) / 1.25
2. The crane's structural steelwork is in accordance with DIN 15018, part 3. Design and construction of the crane comply with DIN 15018, part 2 and with F.E.M. regulations.
3. Total rated loads above the bold lines in the TADANO load rating chart are based on crane strength and those below the bold lines on crane stability.
4. Total rated loads include the weight of main hook block, auxiliary hook ball, sling and other auxiliary lifting devices and all their weights shall be subtracted from the listed capacities to obtain the net load to be lifted.

|                          |      |      |       |       |       |       |
|--------------------------|------|------|-------|-------|-------|-------|
| Hookball/ Hookblock(ton) | 11.0 | 27.5 | 69.5  | 88.0  | 138.0 | 176.5 |
| No. of sheaves           | -    | 1    | 3     | 5     | 7     | 9     |
| Weight (lbs.)            | 440  | 660  | 1,325 | 1,765 | 2,645 | 3,525 |

5. Total rated loads are based on freely suspended loads and make no allowance for such factors as the effect of wind, sudden stopping of loads, supporting surface conditions, operating speeds, side loads, etc. Side pull on boom or jib is **extremely** dangerous.
6. Total rated loads do not account for wind on lifted load or boom. Total rated loads and boom length shall be appropriately reduced, when wind velocity is above 18 mph (26 ft/sec.) for main boom operation and above 11 mph (16 ft/sec.) for jib operation.
7. Total rated loads at load radius shall not be exceeded. Do not tip the crane to determine allowable loads.
8. Do not operate at boom lengths beyond radii or boom angles where no capacities are shown. Crane may overturn without any load on the hook.
9. Slewing of the superstructure is admissible only when the crane is supported on half or fully extended outriggers.

10. The lifting capacity ratings specified in the TADANO load rating chart apply to the telescopic boom without fly jib fixed in transport position or working position. If the fly jib is secured to the telescopic boom in transport position or working position, the lifting capacities of the telescopic boom are reduced by the values specified below. The weight of the fly jib (3,350 lbs) is detected in terms of a load, and the load moment limiter will shut off earlier.

| Jib status                                           | Load rating reduction (tons) |      |      |      |      |      |      |      |      |  |
|------------------------------------------------------|------------------------------|------|------|------|------|------|------|------|------|--|
|                                                      | Boom length (ft)             |      |      |      |      |      |      |      |      |  |
| 17.7ft/43.3ft fly jib, mounted in transport position | 0.66                         | 0.33 | 0.24 | 0.20 | 0.20 | 0.17 | 0.17 | 0.13 | 0.11 |  |
| 17.7ft fly jib, mounted to the boom head             | 2.14                         | 1.85 | 1.64 | 1.52 | 1.47 | 1.44 | 1.39 | 1.37 | 1.35 |  |
| 43.3ft fly jib, mounted to the boom head             | 2.92                         | 2.37 | 2.04 | 1.82 | 1.74 | 1.69 | 1.65 | 1.65 | 1.63 |  |
| 63.0ft fly jib, mounted to the boom head             | 3.78                         | 2.89 | 2.47 | 2.33 | 2.25 | 2.18 | 2.13 | 2.08 | 2.05 |  |
| 82.7ft fly jib, mounted to the boom head             | 4.54                         | 3.27 | 2.89 | 2.76 | 2.66 | 2.57 | 2.49 | 2.44 | 2.39 |  |
| 102.4ft fly jib, mounted to the boom head            | 6.56                         | 4.44 | 3.90 | 3.63 | 3.40 | 3.21 | 3.08 | 2.97 | 2.89 |  |
| 122.0ft fly jib, mounted to the boom head            | 8.49                         | 6.45 | 5.34 | 4.59 | 4.17 | 3.86 | 3.59 | 3.37 | 3.28 |  |

11. When making lifts at a load radius not shown, use the next longer radius to determine allowable capacity.
12. Load per part line should not exceed 18,650 lbs. for the main winch and for the auxiliary winch.
13. Loaded boom angles are approximate. The boom angle before loading should be greater to account for deflection.
14. The 43.3ft boom length capacities are based on the telescoping boom being fully retracted. If not fully retracted (less than 57.7ft boom length), use the total rated loads for the 57.7ft boom length according to the telescoping sequence.
15. Extension or retraction of the telescopic boom with loads may be attempted within the limits of the TADANO LOAD RATING CHART. The ability to telescope loads is limited by hydraulic pressure, boom angle, boom length, crane maintenance, etc.
16. When erecting or stowing the fly jib, be sure to retain it by hand or by other means to prevent its free movement.
17. Use the Anti-Two Block (OVERWIND CUTOUT) disable switch when erecting or stowing the extendible fly jib and stowing the hook block. While the switch is pushed, the hoist will not stop, even when an overwind condition occurs.
18. The working radius specified in the TADANO LOAD RATING CHARTS for the fly jib apply only if the telescopic boom is extended according to the TADANO LOAD RATING CHARTS. If one or more elements of the telescopic boom are retracted partially or completely, the specified boom angles will be decisive in determining total rated lifting capacities.
19. When lifting a load by using the fly jib (auxiliary hoist) and telescopic boom (main hoist) simultaneously, do the following:
  - A) Select the correct program for the load moment device in accordance with jib length, jib offset angle, counterweight and outrigger base.
  - B) Before starting the operation, make sure that the weight of the load is within the total rated load for the fly jib.
19. Safe Load Indicator (S.L.I.)
 

Before working with the telescopic boom or fly jib, make sure that the S.L.I. code is set according to the desired telescoping sequence while the telescopic boom is completely retracted. A change of the telescoping sequence is not permissible when the boom has been partially or fully extended. In order to change the S.L.I. code number, the boom must be fully retracted.
20. Working with Single Top
 

Operation with the single top is allowed with the main winch and the auxiliary winch. The maximum allowed capacity is limited by the selected S.L.I. code for main boom operation according to existing counterweight and outrigger base at one side and by the single line pull which is limited by hydraulic pressure at the other side.

For operations with the single top mounted, use the TADANO LOAD RATING CHART for the telescopic boom in accordance with existing counterweight and outrigger base to find the total rated lifting capacity and also select the correct S.L.I. code for the telescopic boom in accordance with the existing counterweight and outrigger base. Find the total rated lifting capacity based on boom length and working radius. From that value, subtract 1,100 lbs and the weights of all lifting equipment used including hook block, sling and other auxiliary lifting devices. The result (<total rated lifting capacity> - <1,100 lbs> - <lifting equipments>) is the total rated lifting capacity for a single top lift.

## DEFINITIONS

1. Working Radius: Horizontal distance from a projection of the axis of rotation to supporting surface before loading to the center of the vertical hoist line or tackle with load applied.  
The deflection of the boom due to its deadweight and the rated load are taken into account.
2. Loaded Boom Angle: The angle between the boom base section and the horizontal, after lifting the total rated load at the working radius.
3. Working Area: Area measured in a circular arc about the centerline of rotation.
4. Freely Suspended Load: Load hanging free with no direct external force applied except by the hoist line
5. Side Load: Horizontal side force applied to the lifted load either on the ground or in the air.

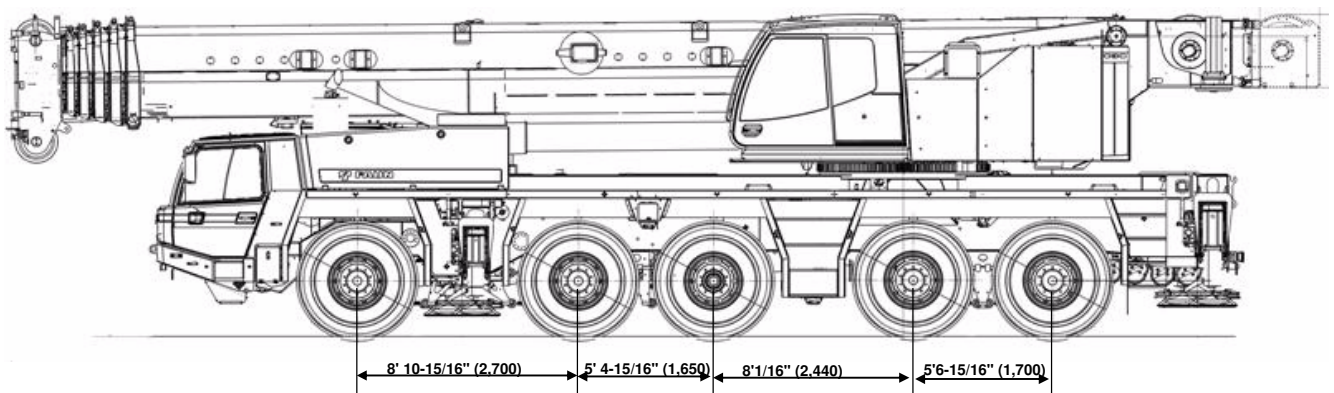
## Safe Load Indicator

The Safe Load Indicator is intended as an aid to the operator. Under no condition should it be relied upon to replace of Load Rating Charts and Operating Instructions. Sole reliance upon the Safe Load Indicator Aids in place of good operating practice can cause an accident. The operator must exercise caution to assure safety.

## ATF160G-5 Axle weight distribution chart

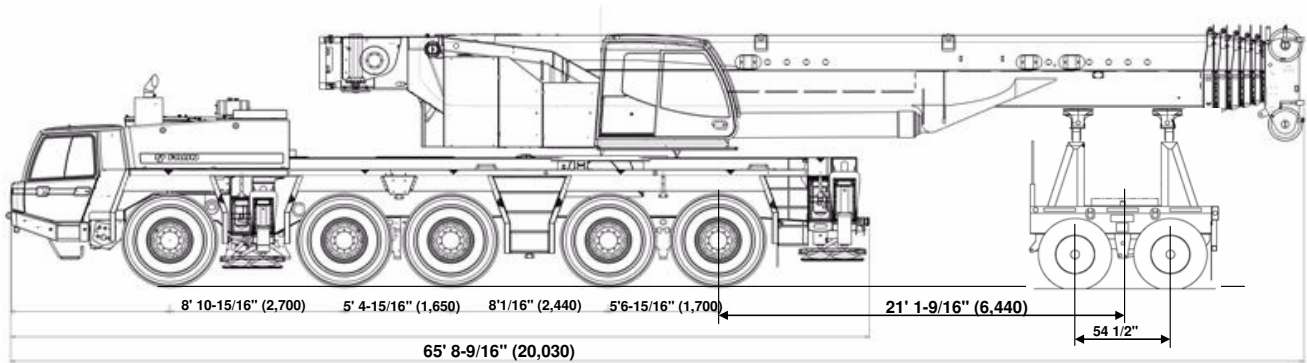
### 1) Normal traveling condition

|                                                                         | GVW     | Axle 1 | Axle 2 | Axle 3 | Axle 4 | Axle 5 |
|-------------------------------------------------------------------------|---------|--------|--------|--------|--------|--------|
| Base machine with 16.00R25 tires, no counterweight, no fuel , no driver | 124,067 | 24,430 | 24,617 | 26,460 | 24,360 | 24,200 |
| Add: 1. 11.0 ton hook ball (in carrier storage)                         | 662     | -103   | -103   | 0      | 433    | 433    |
| 2. 27.5 ton hook block in front                                         | 660     | 573    | 573    | 0      | -243   | -243   |
| 3. 69.4 ton hook block in front                                         | 1,324   | 1,147  | 1,147  | 0      | -485   | -485   |
| 4. 88.0 ton hook block in front                                         | 1,765   | 1,528  | 1,528  | 0      | -646   | -646   |
| 5. 138.0 ton hook block in front                                        | 2,645   | 2,291  | 2,291  | 0      | -970   | -970   |
| 6. 200.0 ton hook block at boom head                                    | 5,070   | 4,394  | 4,394  | 0      | -1,858 | -1,858 |
| 7. Boom extension (43.3ft) stored on main boom                          | 3,351   | 1,741  | 1,741  | 0      | -66    | -66    |
| 8. Auxiliary winch with cable                                           | 3,043   | -866   | -866   | 0      | 2,388  | 2,388  |
| 9. Auxiliary boom point sheave (single top)                             | 187     | 173    | 173    | 0      | -80    | -80    |
| 10. Air conditioning in carrier cab                                     | 102     | 71     | 71     | 0      | -20    | -20    |
| 11. Air conditioning in crane cab                                       | 106     | 7      | 7      | 0      | 47     | 47     |
| 12. Tool box at rear                                                    | 143     | -36    | -36    | 0      | 108    | 108    |
| 13. Additional Hydraulic oil cooler                                     | 102     | 2      | 2      | 0      | 49     | 49     |
| 14. 20.5R25 tires in lieu of 16.00R25                                   | 1,035   | 207    | 207    | 207    | 207    | 207    |
| 15. Towing attachment(190 kN)                                           | 176     | -44    | -44    | 0      | 132    | 132    |
| 16. Air & electrical circuits to rear for boom dolly                    | 25      | -4     | -4     | 0      | 17     | 17     |
| 17. Free swing & boom hoist circuit for boom dolly                      | 82      | 3      | 3      | 0      | 39     | 39     |



## 2) Traveling with boom dolly

|                                                                        | GVW     | Axle 1 | Axle 2 | Axle 3 | Axle 4 | Axle 5 | Boom Dolly |
|------------------------------------------------------------------------|---------|--------|--------|--------|--------|--------|------------|
| Base machine with 16.00R25 tires, no counterweight, no fuel, no driver | 124,067 | 19,622 | 19,810 | 19,792 | 20,108 | 19,947 | 24,787     |
| Add:                                                                   |         |        |        |        |        |        |            |
| 1. 11.0 ton hook ball (in carrier storage)                             | 662     | -103   | -103   | 0      | 433    | 433    | 0          |
| 2. 27.5 ton hook block at boom head                                    | 660     | 0      | 0      | 0      | 0      | 0      | 660        |
| 3. 69.4 ton hook block at boom head                                    | 1,324   | 0      | 0      | 0      | 0      | 0      | 1,324      |
| 4. 88.0 ton hook block at boom head                                    | 1,765   | 0      | 0      | 0      | 0      | 0      | 1,765      |
| 5. 138.0 ton hook block at boom head                                   | 2,645   | 0      | 0      | 0      | 0      | 0      | 2,645      |
| 6. 200.0 ton hook block at boom head                                   | 5,070   | 0      | 0      | 0      | 0      | 0      | 5,070      |
| 7. Boom extension (43.3ft) stored on main boom                         | 3,351   | 236    | 236    | 0      | 180    | 180    | 2,521      |
| 8. 19.69' intermediate sections for boom extension                     | 884     | 0      | 0      | 0      | 0      | 0      | 884        |
| 9. Auxiliary winch with cable                                          | 3,043   | 1,335  | 1,335  | 0      | 187    | 187    | 0          |
| 10. Auxiliary boom point sheave (single top)                           | 187     | -12    | -12    | 0      | -9     | -9     | 229        |
| 11. Air conditioning in carrier cab                                    | 102     | 71     | 71     | 0      | -20    | -20    | 0          |
| 12. Air conditioning in crane cab                                      | 106     | 10     | 10     | 0      | 43     | 43     | 0          |
| 13. Tool box at rear                                                   | 143     | -36    | -36    | 0      | 108    | 108    | 0          |
| 14. Additional Hydraulic oil cooler                                    | 102     | 13     | 13     | 0      | 38     | 38     | 0          |
| 15. 20.5R25 tires in lieu of 16:00R25                                  | 1,035   | 207    | 207    | 207    | 207    | 207    | 0          |
| 16. Dolly brackets at boom                                             | 154     | 0      | 0      | 0      | 0      | 0      | 154        |
| 17. Towing attachment(190 kN)                                          | 176     | -44    | -44    | 0      | 132    | 132    | 0          |
| 18. Air & electrical circuits to rear for boom dolly                   | 25      | -4     | -4     | 0      | 17     | 17     | 17         |
| 19. Free swing & boom hoist circuit for boom dolly                     | 82      | 10     | 10     | 0      | 31     | 31     | 0          |



# MEMO

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