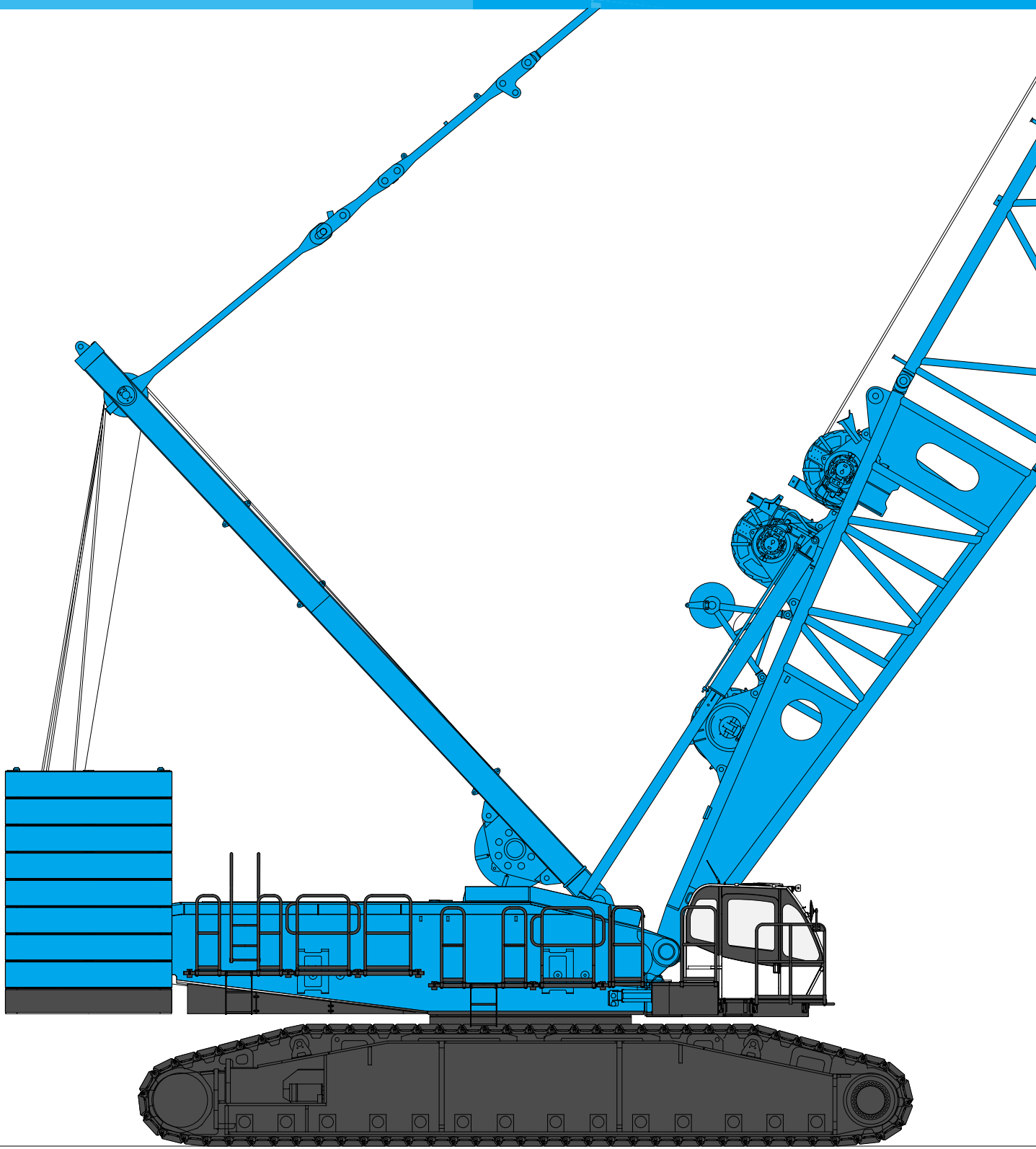


KOBELCO

HYDRAULIC CRAWLER CRANE ***SL6000***

Model: SL6000



Max. Lifting Capacity: 550 ton x 8.3 m
Max. Crane Boom Length: 126 m
Max. Luffing Jib Combination: 84 m + 84 m

CONFIGURATION

STD Long Boom

Max. Lifting Capacity:
98 metric tons x 15 m
Max. Boom Length: 108 m

STD Luffing Boom

Max. Lifting Capacity:
300 metric tons x 9.0 m
Max. Boom Length: 84 m

HL Luffing Boom

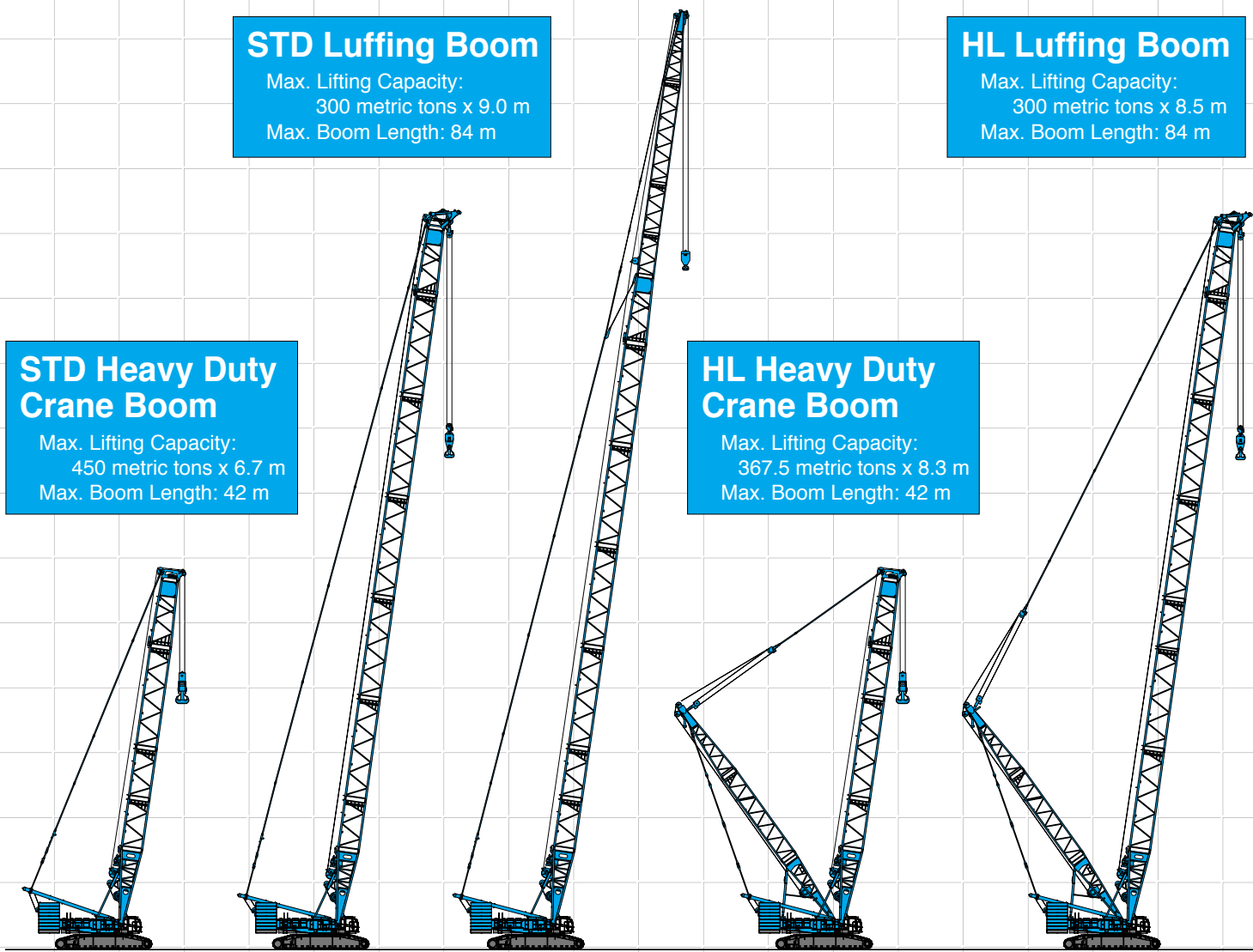
Max. Lifting Capacity:
300 metric tons x 8.5 m
Max. Boom Length: 84 m

STD Heavy Duty Crane Boom

Max. Lifting Capacity:
450 metric tons x 6.7 m
Max. Boom Length: 42 m

HL Heavy Duty Crane Boom

Max. Lifting Capacity:
367.5 metric tons x 8.3 m
Max. Boom Length: 42 m

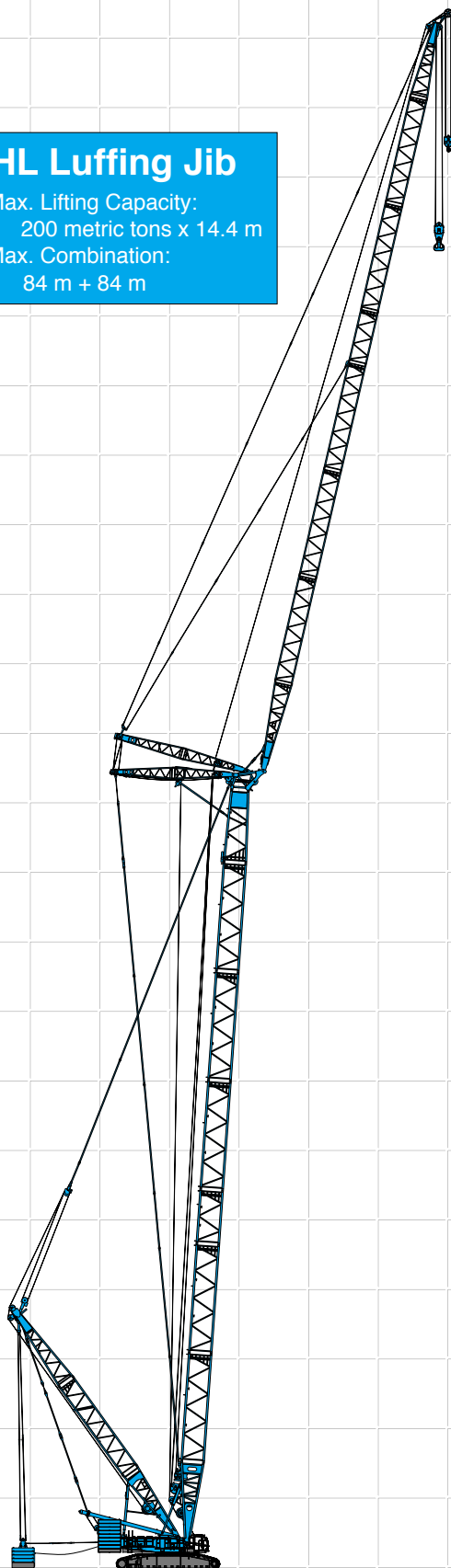
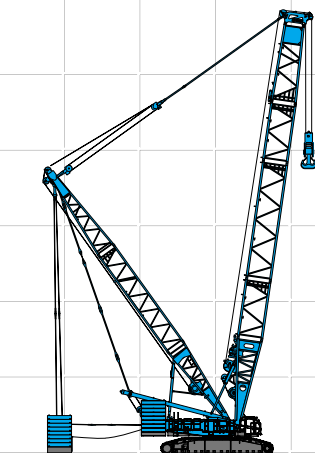


SHL Luffing Jib

Max. Lifting Capacity:
200 metric tons x 14.4 m
Max. Combination:
84 m + 84 m

SHL Heavy Duty Crane Boom

Max. Lifting Capacity:
550 metric tons x 8.3 m
Max. Boom Length: 42 m



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SPECIFICATIONS



Power Plant

Model: Hino diesel engine E13C-UV

Type: Water-cooled, direct fuel injection, with turbocharger
Complies with US EPA Tier III.

Displacement: 12.913 liters

Rated Power: 320 kW/2,000 min⁻¹

Max. torque: 1,650 N·m/1,300 min⁻¹

Cooling system: Liquid, recirculating bypass

Starter: 24 V/6 kW

Radiator: Corrugated type core, thermostatically controlled

Air cleaner: Dry type with replaceable paper element

Throttle: Twist grip type hand throttle, electrically actuated

Fuel filter: Replaceable paper element

Batteries: Two 12V x 136Ah/5HR capacity batteries, parallel connected.

Fuel tank capacity: 600 liters



Hydraulic System

Six variable displacement piston pumps are driven by heavy-duty pump drive. Two variable displacement pumps are used in H1 (main hook hoist) and right hand side propel circuit. Two variable displacement pumps are used in H2 (auxiliary hook hoist) and left hand side propel circuit. One of the other two pumps is used in W1 (boom), W2 (jib) or W3 (SHL mast) hoist circuit, and the other is used in the swing circuit.

Control: Full-flow hydraulic control system for infinitely variable pressure to all winches, propel and swing.

Controls respond instantly to the touch, delivering smooth function operation.

Cooling: Oil-to-air heat exchanger (plate-fin type)

Filtration: Full-flow and bypass type with replaceable element

Electrical system: All wiring corded for easy servicing, individual fused branch circuits.

Max. relief valve pressure: 31.9 MPa {325 kgf/cm²}

Reservoir capacity: 710 liters



Boom Hoisting System

Powered by a hydraulic motor through a planetary reducer.

Brake: A spring-set, hydraulically released multiple-disc brake is mounted on the boom hoist motor and operated through a counter-balance valve.

Drum lock: External ratchet for locking drum.

Drum: Double drum, grooved for 28 mm dia. wire rope.

Line speed: Double line on first drum layer

Hoisting/Lowering: 20~2 m/min x 2

Boom hoist reeving: 30 parts of 28 mm dia. high strength wire rope

Boom backstops: Required for all boom lengths



Load Hoist System

H1 and H2 drums for load hoist powered by a hydraulic variable plunger motors, driven through planetary reducers.

Brake: A spring-set, hydraulically released multiple-disc brake is mounted on the hoist motor and operated through a counter-balance valve.

Drum lock: External ratchet for locking drum.

Drums:

H1 and H2:

640 mm P.C.D. x 1,367.1 mm Lg. wide drum, grooved for 28 mm wire rope. Rope capacity is 830 m working length and 1,080 m storage length.

Note: Rope lengths listed above denote drum capacity and may differ from actual rope lengths supplied when machinery is shipped.

Line speed: 110 ~ 3 m/min

Single line on the first layer

Rated line pull: 137 kN {14.0 tf}



Swing System

Swing unit is powered by hydraulic motor driving spur gears through planetary reducers (4 sets), the swing system provides 360° rotation.

Swing parking brakes: A spring-set, hydraulically released multiple-disc brake is mounted on swing motor.

Swing circle: Triple-row roller bearing with an integral internally cut swing gear.

Swing speed: 0.9 min⁻¹ {rpm}



Upper Structure

Torsion-free precision machined upper frame. All components are located clearly and service friendly. Engine with low noise level.



Cab & Control

Totally enclosed, full vision cab with safety glass, fully adjustable, high backed seat with a head-rest and armrests, and intermittent wiper and window washer (roof and front window).

Cab fittings:

Air conditioner, convenient compartment (for tool), cup holder, ashtray, cigarette lighter, sun visor, roof blind, tinted glass, floor mat, foot-rest, shoe tray

Controls:

Five adjustable levers for all winches and swing controls



Lower Structure

Steel-welded carbody with axles. Crawler assemblies are designed with quick disconnect feature for individual removal as a unit from axles. Crawler belt tension is maintained by hydraulic jack force on the track-adjusting bearing block.

Crawler drive: Two independent hydraulic propel drive is built into each crawler side frame. Each drive consists of a hydraulic motor propelling a driving tumbler through a planetary gear box. Hydraulic motor and gear box are built into the crawler side frame within the shoe width.

Crawler brakes: Spring-set, hydraulically released parking brakes are built into each propel drive.

Steering mechanism: A hydraulic propel system provides both skid steering (driving one track only) and counter-rotating steering (driving each track in opposite directions).

Track rollers: Sealed track rollers.

Shoes (flat): 1,500 mm wide each crawler

Max. travel speed: 1.0/0.4 km/h

Max. gradeability: 20%



Weight

Including base machine, counterweights = 180 t, carbody weights = 50 t, 24 m boom with heavy boom tip and 450 t hook block. Not include quick connection devise and upper transflifter.

Weight: 424 metric ton

Ground pressure: 136 kPa {1.4 kgf/cm²}



Attachment

Boom and Jib:

Welded lattice construction using tubular, high-tensile steel chords with pin connections between sections.

Boom and Jib Length

	Min. Length (Min. Combination)	Max. Length (Max. Combination)
STANDARD		
Crane Boom	24 m	108 m
Luffing Jib	30 m + 24 m	60 m + 72 m
HEAVY LIFT		
Crane Boom	36 m	108 m
Luffing Jib	36 m + 24 m	66 m + 72 m
SUPER HEAVY LIFT		
Crane Boom	36 m	126 m
Luffing Jib	36 m + 24 m	84 m + 84 m

Main Specifications (Model: SL6000)

Lift Enhancer	STD	HL	SHL
HL Mast	-	30 m	30 m
Additional Weight	-	-	~250 t
Heavy Duty Crane Boom			
Max. Lifting Capacity	450 t	367.5 t	550 t
	6.7 m		
Length	24 ~ 42 m	36 ~ 42 m	36 ~ 42 m
Crane Boom			
Max. Lifting Capacity	300 t	300 t	300 t
	9 m		
Length	30 ~ 84 m	36 ~ 84 m	36 ~ 84 m
Long Boom			
Length	90 ~ 108 m	90 ~ 108 m	90 ~ 126 m
Luffing Jib			
Max. Lifting Capacity	184 t	200 t	200 t
Max. Combination (Boom) (Jib)	60 m	66 m	84 m
	72 m	72 m	84 m
Luffing Angle	66° ~ 86°		
Power Plant			
Model	Hino E13C-UV		
Engine Output	320 kW/2,000 min ⁻¹ {rpm}		
Fuel Tank Capacity	600 liters		

Hoist Winch (H1, H2)

Max. Line Speed	110 m/min (1st layer)
Rated Line Pull (Single line)	137 kN {14.0 tf}
Wire Rope Diameter	28 mm
Wire Rope Length	830 m

Working Speed

Swing	0.9 min ⁻¹ {rpm}
Travel	1.0/0.6 km/h

Hydraulic System

Pumps	6 variable displacement
Max. Pressure	31.9 MPa {325 kgf/cm ² }
Hydraulic Tank Capacity	710 liters

Weight

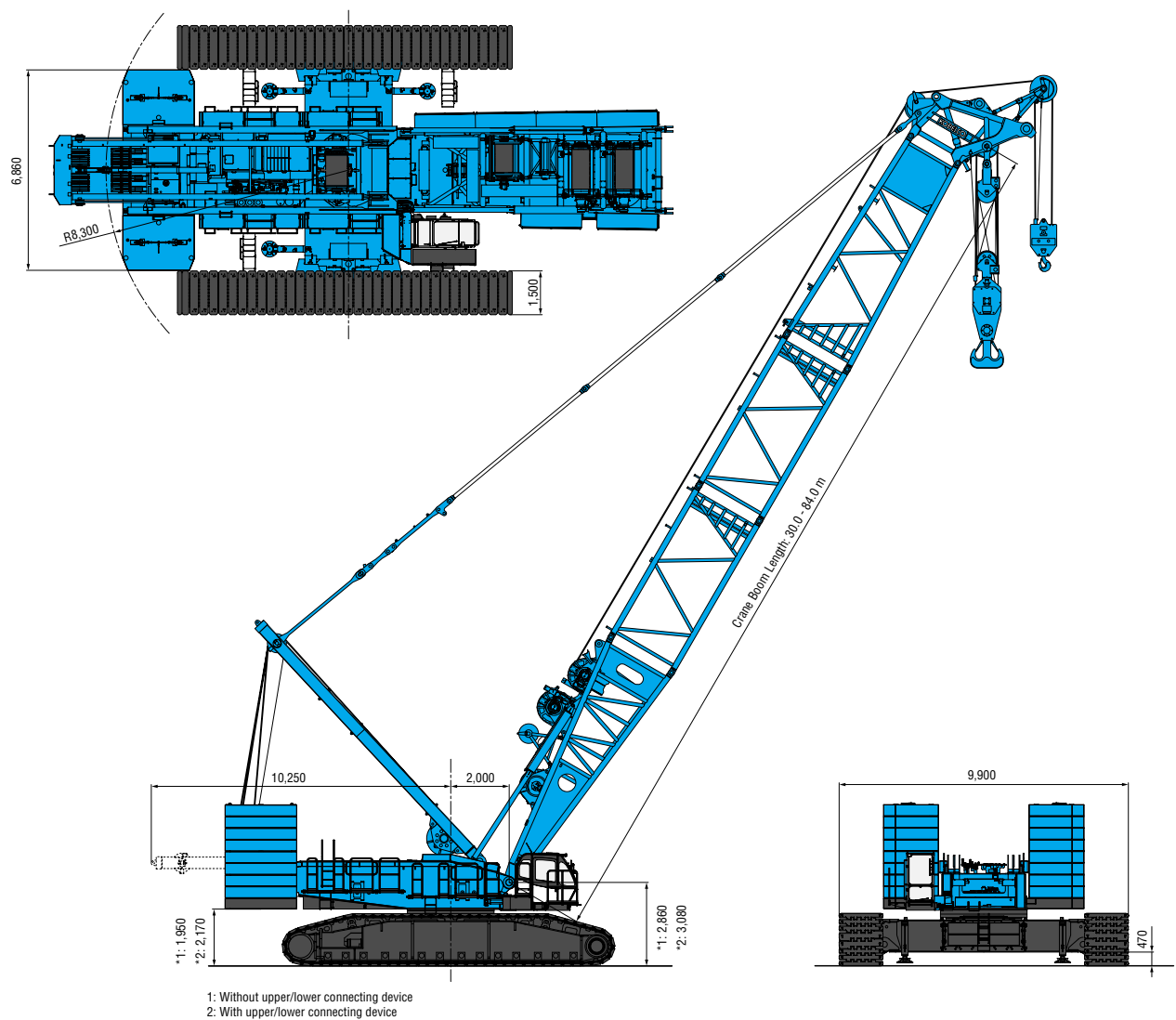
Working Weight*	Approx. 424 t
Ground Pressure*	136 kPa {1.4 kgf/cm ² }
Counterweight	Upper: 180 metric tons Lower: 50 metric tons

* Including base machine, counterweights = 180 metric ton, carbody weights = 50 metric ton, 24 m boom with heavy boom tip and 450 metric ton hook block. Not include quick connection device and upper transflifter.

GENERAL DIMENSIONS

Crane Boom

Unit: mm



Lift Enhancer

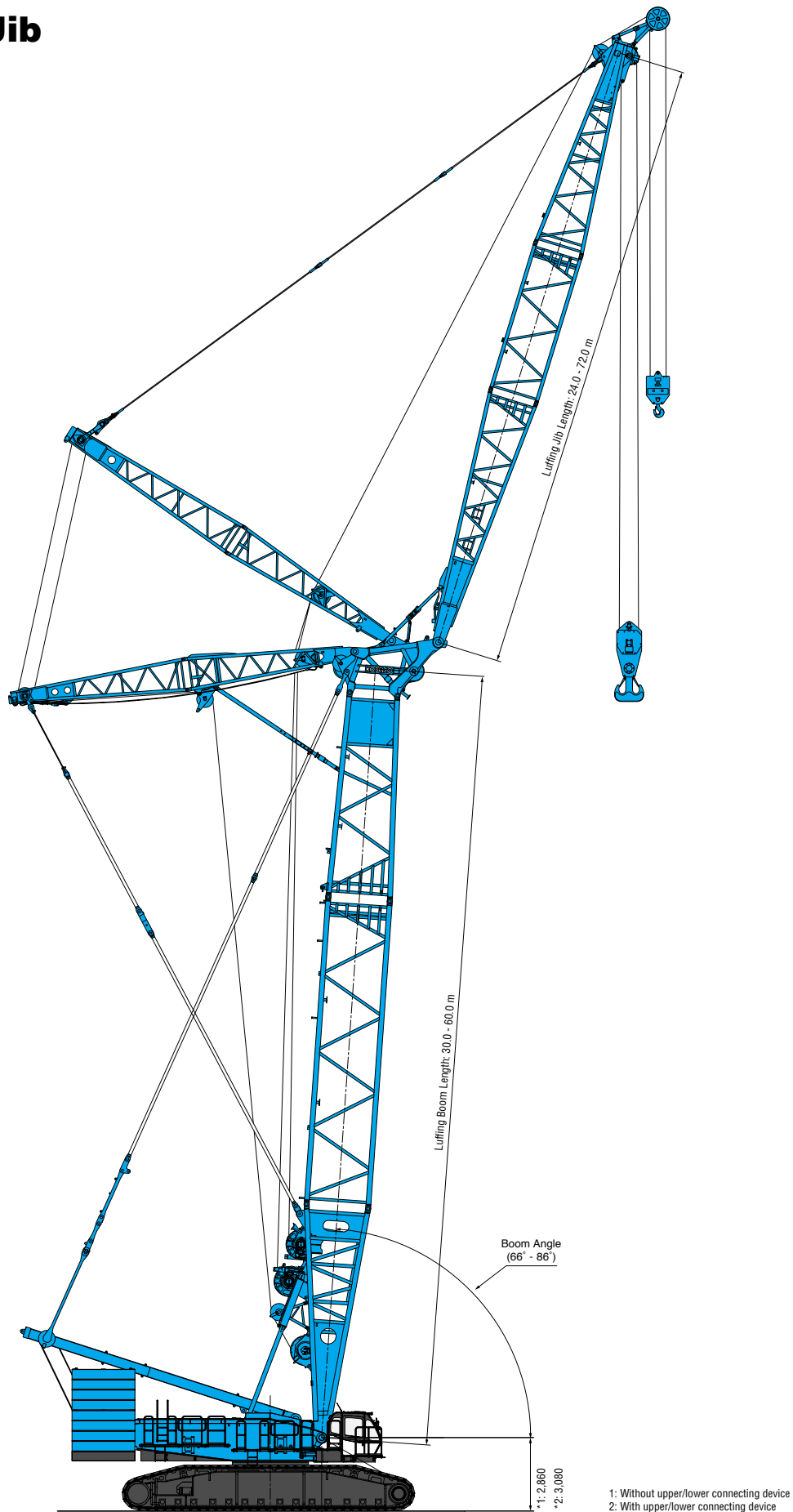


SHL CRANE

SHL LUFFING

Luffing Jib

Unit: mm



STANDARD

BOOM AND JIB ARRANGEMENTS

Heavy Duty Crane Boom Arrangements

Boom length m (ft)	Boom arrangement
24 (79)	※
30 (98)	※
36 (118)	※
42 (138)	※

Symbol	Boom Length	Remarks
	9.0 m (29.5 ft)	Boom Base
	8.0 m (26.2 ft)	Tapered Boom
	6.0 m (19.7 ft)	Insert Boom
	12.0 m (39.4 ft)	Insert Boom
	1.0 m (3.3 ft)	Boom Top

↗ mark shows the guy line installing position when the fixed jib is used.

※ indicates the most flexible combination of insert heavy duty booms, which can be modified to form all shorter heavy duty boom arrangements.

Luffing Boom Arrangements for Crane

Boom length m (ft)	Boom arrangement
30 (98)	※
36 (118)	※
42 (138)	※
48 (157)	※
54 (177)	※
60 (197)	※
66 (217)	※
72 (236)	※
78 (256)	※
84 (276)	※

Symbol	Boom Length	Remarks
	9.0 m (29.5 ft)	Boom Base
	8.0 m (26.2 ft)	Tapered Boom
	6.0 m (19.7 ft)	Insert Boom
	12.0 m (39.4 ft)	Insert Boom
	1.0 m (3.3 ft)	Boom Top

↗ mark shows the guy line installing position when the fixed jib is used.

※ indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

Long Boom Arrangements

Boom length m (ft)	Boom arrangement
90 (295)	
96 (315)	※
102 (335)	※
108 (354)	※

Symbol	Boom Length	Remarks
	9.0 m (29.5 ft)	Boom Base
	8.0 m (26.2 ft)	Tapered Boom
	6.0 m (19.7 ft)	Insert Boom
	12.0 m (39.4 ft)	Insert Boom
	5.0 m (16.4 ft)	Luffing Insert Jib
	6.0 m (19.7 ft)	Luffing Insert Jib
	12.0 m (39.4 ft)	Luffing Insert Jib
	8.0 m (26.2 ft)	Jib Top

↗ mark shows the guy line installing position when the fixed jib is used.

※ indicates the most flexible combination of insert long booms, which can be modified to form all shorter long boom arrangements.

Luffing Boom Arrangements for Luffing

Boom length m (ft)	Boom arrangement
30 (98)	※
36 (118)	※
42 (138)	※
48 (157)	※
54 (177)	※
60 (197)	※

Symbol	Boom Length	Remarks
	9.0 m (29.5 ft)	Boom Base
	8.0 m (26.2 ft)	Tapered Boom
	6.0 m (19.7 ft)	Insert Boom
	12.0 m (39.4 ft)	Insert Boom
	1.0 m (3.3 ft)	Boom Top

↗ mark shows the guy line installing position when the fixed jib is used.
 ※ indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

Luffing Jib Arrangements

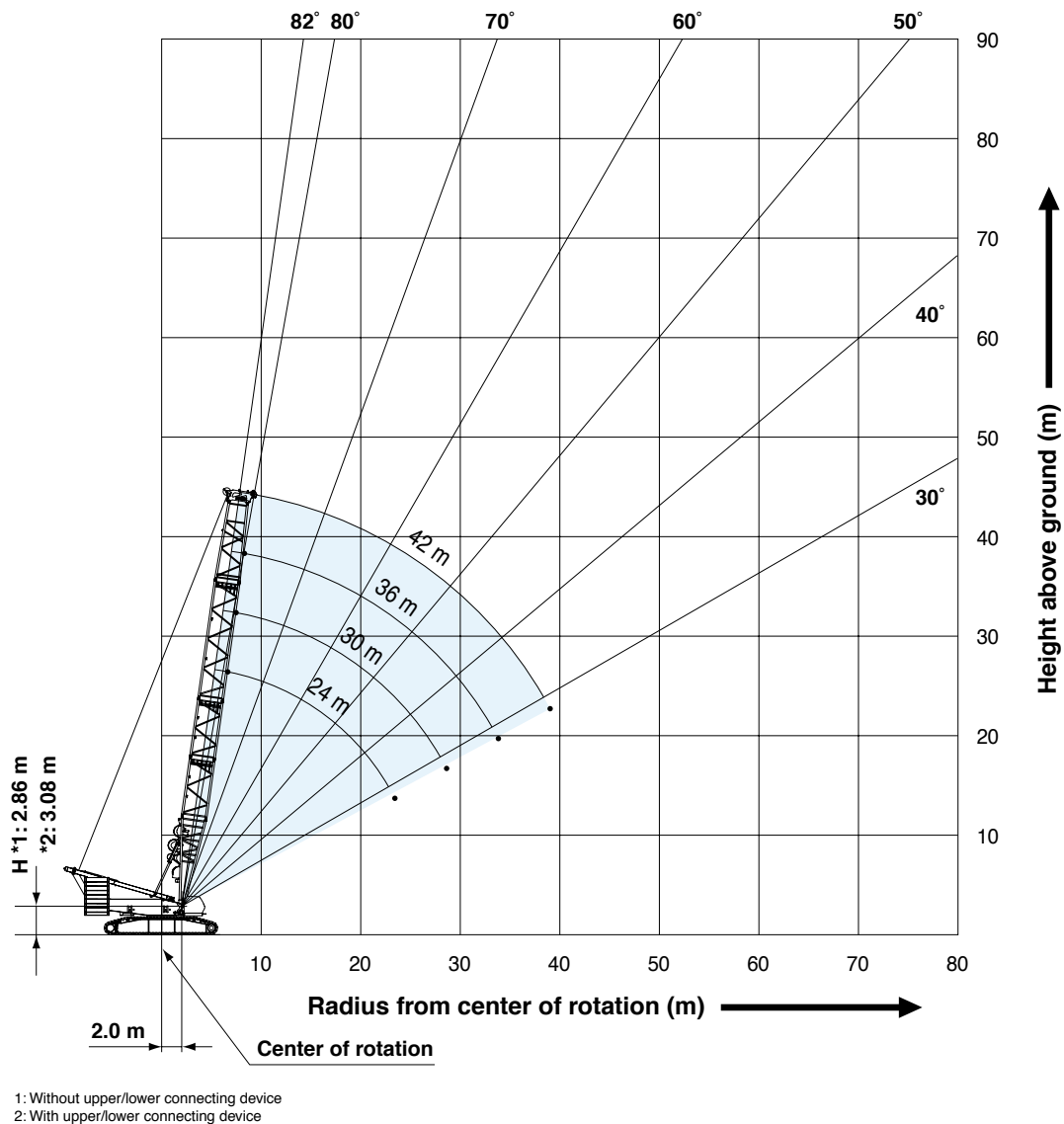
Jib length ft (m)	Jib arrangement
24 (79)	
30 (98)	※
36 (118)	※
42 (138)	※
48 (157)	※
54 (177)	※
60 (197)	※
66 (217)	※
72 (236)	※

Symbol	Jib Length	Remarks
	10.0 m (32.8 ft)	Jib Base
	6.0 m (19.7 ft)	Luffing Insert Jib
	12.0 m (39.4 ft)	Luffing Insert Jib
	8.0 m (26.2 ft)	Jib Top

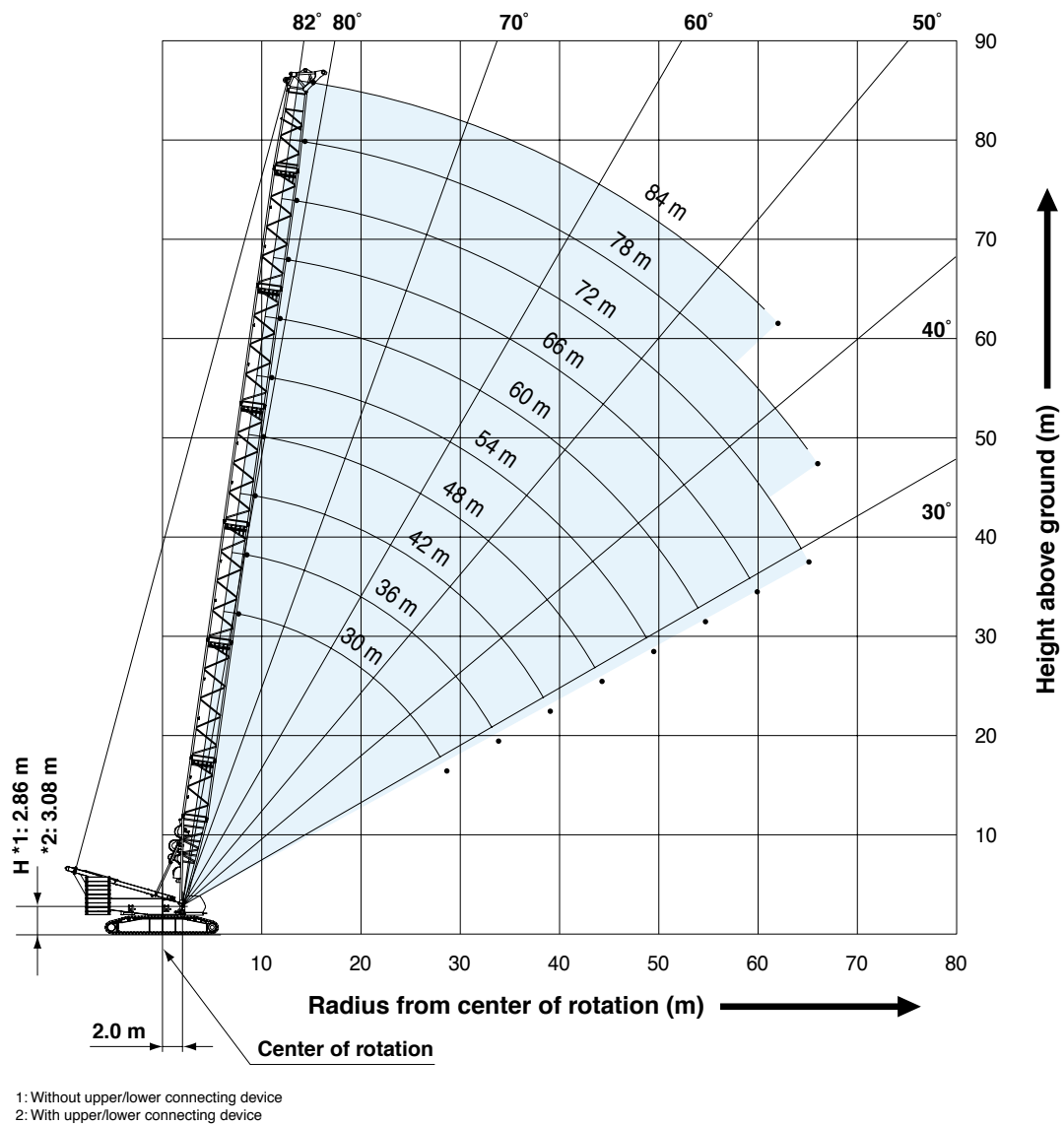
↗ mark shows the guy line installing position when the fixed jib is used.
 ※ indicates the most flexible combination of insert luffing jibs, which can be modified to form all shorter luffing jib arrangements.

WORKING RANGES

Heavy Duty Crane Boom

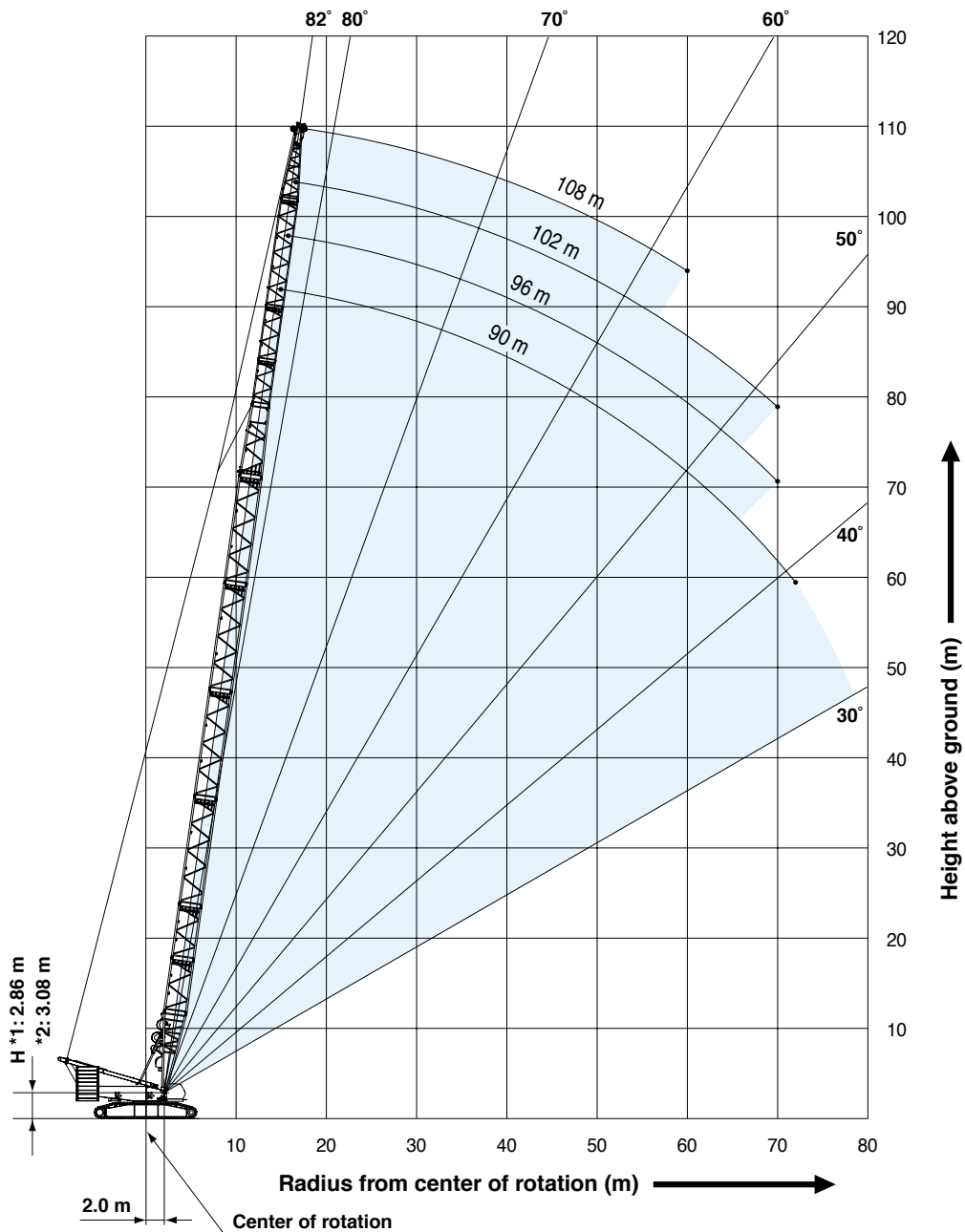


Luffing Boom



WORKING RANGES

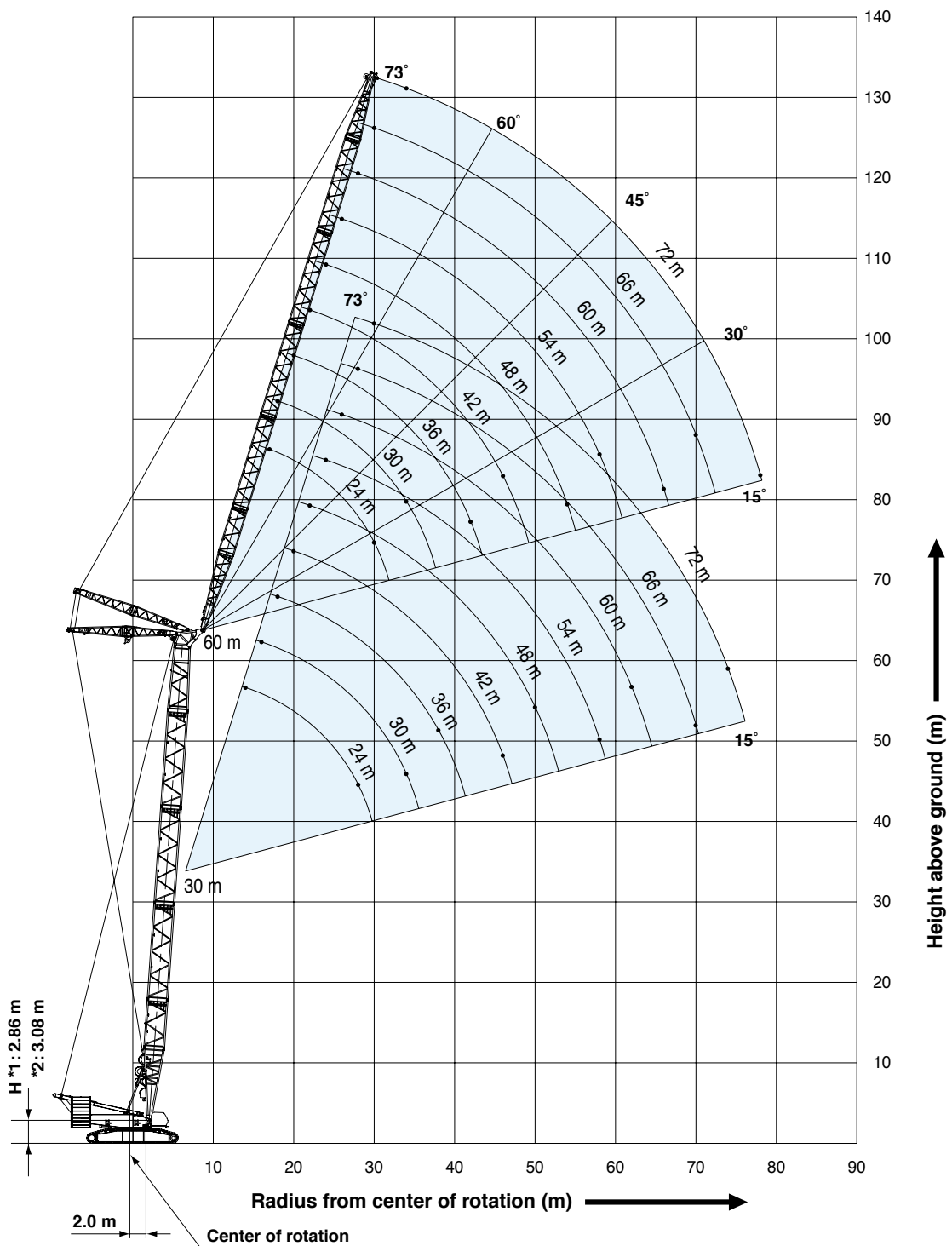
Long Boom



1: Without upper/lower connecting device
2: With upper/lower connecting device

Luffing Jib

Boom Angle: 86°

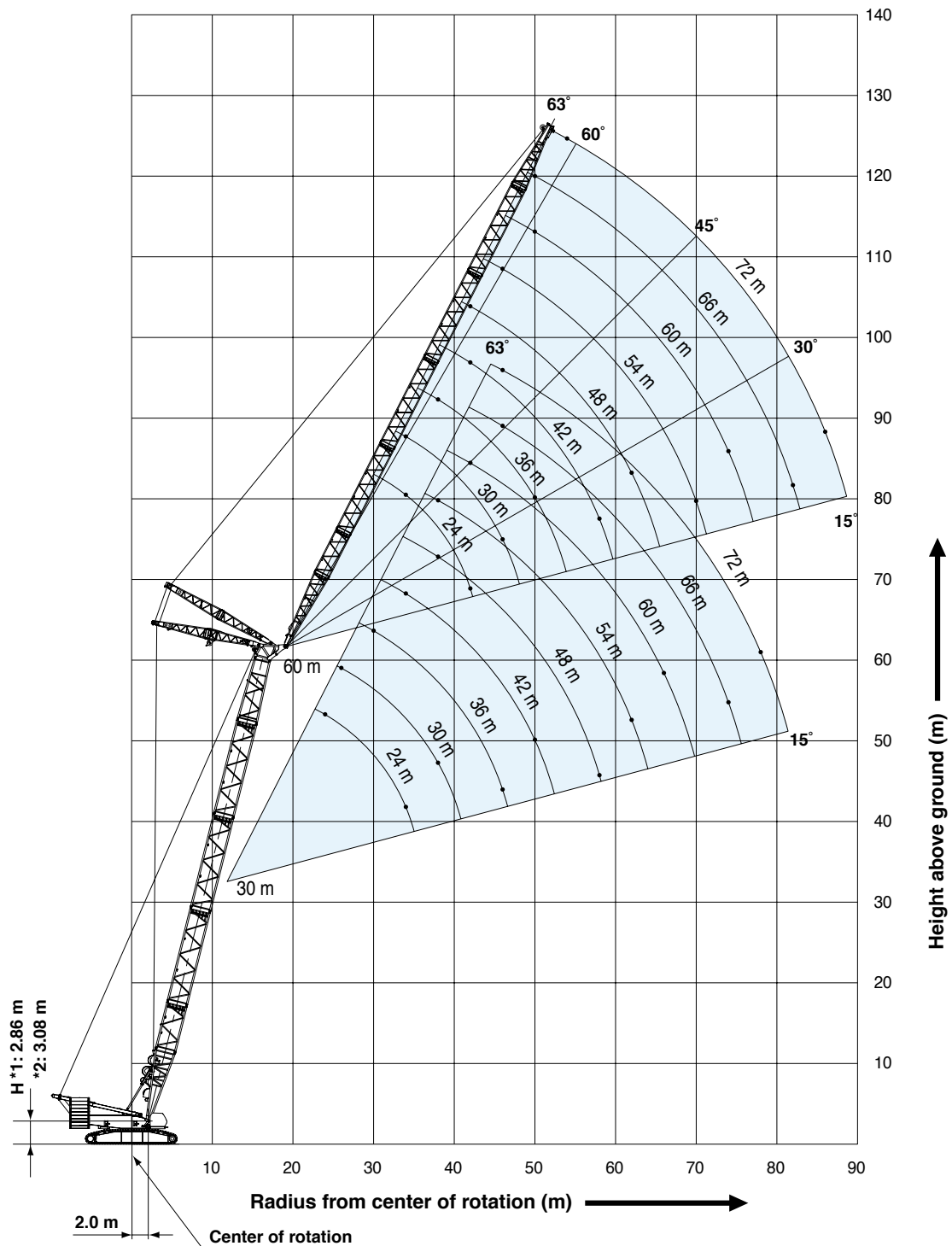


1: Without upper/lower connecting device
2: With upper/lower connecting device

WORKING RANGES

Luffing Jib

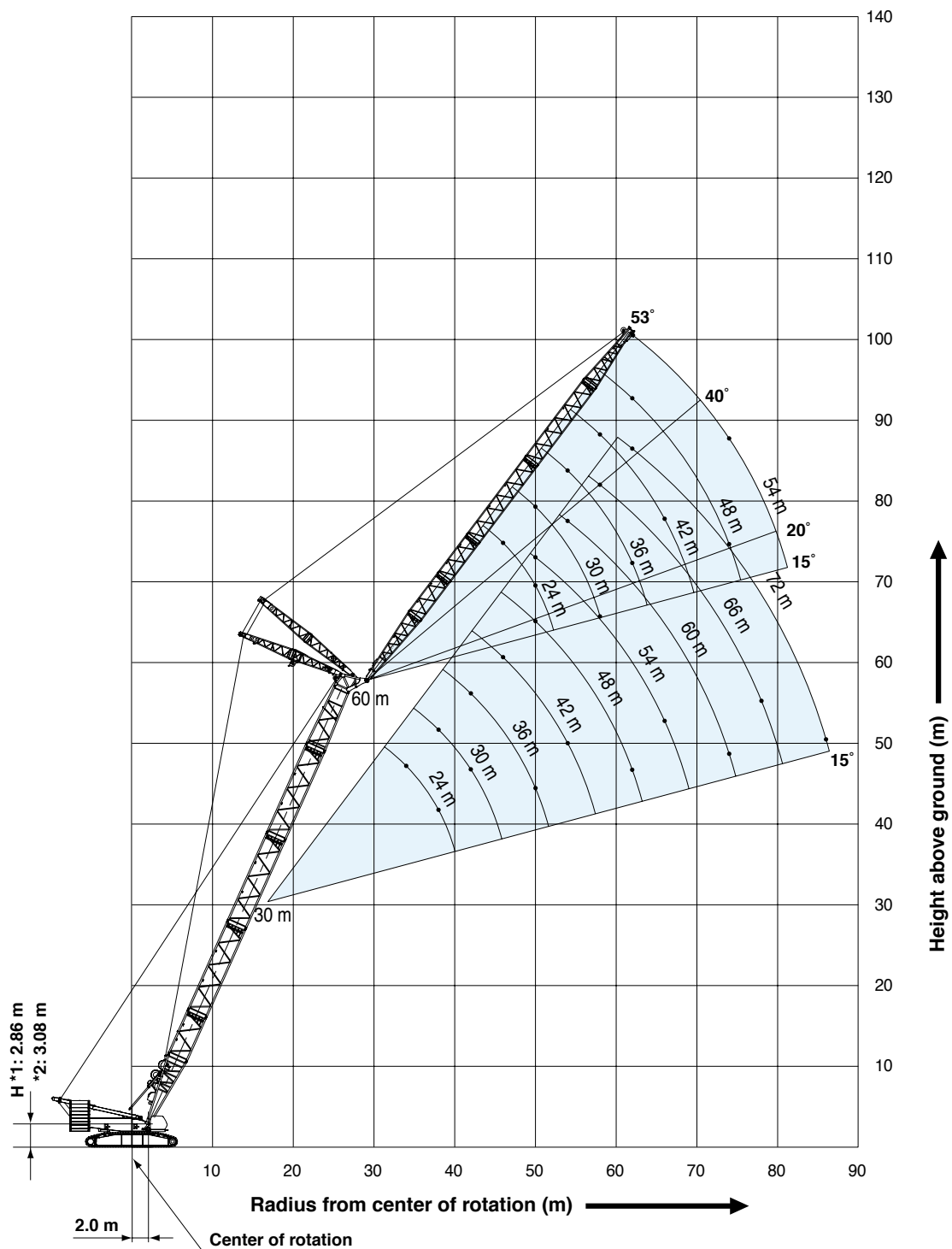
Boom Angle: 76°



1: Without upper/lower connecting device
2: With upper/lower connecting device

Luffing Jib

Boom Angle: 66°



1: Without upper/lower connecting device
2: With upper/lower connecting device

CRANE BOOM SUPPLEMENTAL DATA

1. Designed and rated to comply with EN13000.
2. Operating radius is the horizontal distance from centerline of rotation to a vertical line through the center of gravity of the load.
3. Deduct weight of hook blocks, slings and all other load handling accessories from main boom ratings shown.
4. Ratings shown are based on freely suspended loads and make no allowance for such factors as wind effect on lifted load, ground conditions, out-of-level operating speeds or any other condition that could be detrimental to the safe operation of this equipment. The operator, therefore, has the responsibility to judge the existing conditions and reduce lifted load and operating speeds accordingly.
5. Ratings are for operation on a firm and level surface, up to 1 % gradient.
6. At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
7. Boom inserts, guy pipe and guy lines must be arranged as shown in the "OPERATOR'S MANUAL".
8. Boom hoist reeving is 30 part line.
HL/SHL boom hoist reeving is 18 part line.
9. Boom backstops are required for all boom lengths.
10. The boom should be erected over the front of the crawlers, not laterally.
11. Ratings inside of boxes  are limited by strength of materials.
12. When erecting and lowering the boom length of 102 m or over, the blocks for erection must be placed at the end of the crawlers. (for STD MAST).
13. When erecting and lowering the boom length of 108 m, the blocks for erection must be placed at the end of the crawlers. (for HL MAST).
14. The minimum rated show below.

Minimum Rated Load		
Heavy Duty Crane	Standard Crane	Long Crane
-	7.7 ton	6.2 ton

15. (Main Boom Lifting)

The total load that can be lifted is the value for weight of hook block, slings, and all other load handling accessories deducted from main boom rating shown.

16. (Main Boom Lifting with Auxiliary Sheave Frame)

The total load that can be lifted is weight of auxiliary sheave frame, hook block(s), slings, and all other load handling accessories deducted from main boom ratings shown.

Deduction auxiliary sheave frame		
Heavy Duty Crane	Standard Crane	Long Crane
0.7 ton	0.7 ton	0.7 ton

17. (Auxiliary Sheave Lifting)

The total load that can be lifted is weight of auxiliary sheave frame, hook block(s), slings, and all other load handling accessories deducted from main boom ratings shown.

Deduction auxiliary sheave frame		
Heavy Duty Crane	Standard Crane	Long Crane
0.7 ton	0.7 ton	0.7 ton

18. Ratings shown, but it should not exceed 14.0 ton in case of one reeve, and it should not exceed 28.0 ton in case of two reeve.
19. Auxiliary sheave ratings at any radius from center of rotation are the same as crane ratings shown in table for main boom when operated at the same radius. But maximum angle is the same main boom maximum angle.
20. Boom lengths for auxiliary sheave mounting show below.

	STD	HL	SHL
Heavy Crane	NONE	NONE	NONE

	STD	HL	SHL
STD Crane	30 m ~ 84 m	36 m ~ 84 m	36 m ~ 84 m

	STD	HL	SHL
Long Crane	90 m ~ 102 m	90 m ~ 108 m	90 m ~ 120 m

21. Maximum hoist load for number of reeving parts of line for hoist rope.

Main Hoist Loads (Single Drum)

No. of Parts of Line	1	2	3	4	5
Maximum Loads (t)	14.0	28.0	42.0	56.0	70.0
No. of Parts of Line	6	7	8	9	10
Maximum Loads (t)	84.0	98.0	112.0	126.0	140.0
No. of Parts of Line	11	12	13	14	15
Maximum Loads (t)	152.0	164.0	174.0	184.0	192.0
No. of Parts of Line	16				
Maximum Loads (t)	200.0				

Main Hoist Loads for Heavy Boom (Double Drum)

No. of Parts of Line	8	12	16	20	24	28
Maximum Loads (t)	112.0	164.0	220.0	280.0	336.0	370.0
No. of Parts of Line	36	44				
Maximum Loads (t)	450.0	550.0				

Main Hoist Loads for Standard Boom (Double Drum)

No. of Parts of Line	8	12	16	20	24
Maximum Loads (t)	112.0	164.0	220.0	280.0	300.0

Auxiliary Hoist Loads

No. of Parts of Line	1	2
Maximum Loads (tons)	14.0	28.0

22. Weight of hook block

Weight of hook block				
Hook block	550/450 ton	300 ton (with hanger sheave)	200 ton (w/o hanger sheave)	120 ton
Weight (t)	11.7	9.9 (*1)	7.1 (*2)	4.5

Weight of hook block			
Hook block	70 ton	40 ton	14 ton Ball hook
Weight (t)	3.1	2.0	0.9

*1: 6.82 ton: when hanger sheave is not equipped.

*2: To reeve 11 parts of line or over, the hanger sheave (2 ton) is required.

Operation of this equipment in excess of rated loads or disregard of instruction voids the warranty.

LUFFING JIB SUPPLEMENTAL DATA

1. Designed and rated to comply with EN13000.
2. Operating radius is the horizontal distance from centerline of rotation to a vertical line through the center of gravity of the load.
3. Deduct weight of hook blocks, slings and all other load handling accessories from luffing jib ratings shown.
4. Ratings shown are based on freely suspended loads and make no allowance for such factors as wind effect on lifted load, ground conditions, out-of-level operating speeds or any other condition that could be detrimental to the safe operation of this equipment. The operator, therefore, has the responsibility to judge the existing conditions and reduce lifted load and operating speeds accordingly.
5. Ratings are for operation on a firm and level surface, up to 1 % gradient.
6. At radii and boom lengths where no ratings are shown on chart, operation is not intended nor approved.
7. Boom and jib inserts and guy lines must be arranged as shown in the "OPERATOR'S MANUAL".
8. Boom hoist reeving is 30 part line.
HL/SHL boom hoist reeving is 18 part line.
Jib hoist reeving is 18 part line.
9. Boom and jib backstops are required for all boom lengths.
10. The boom should be erected over the front of crawlers, not laterally.
11. Ratings inside of boxes ☐ are limited by strength of materials.
12. When erecting and lowering the boom length of 54 m or over, the blocks for erection must be placed at the end of the crawlers. (for STD MAST).
13. The minimum rated load is 4.0 ton.
14. **(Luffing Jib Rating Loads)**
The total load that can be lifted is the value for weight of hook block, slings, and all other loads handling accessories deducted from luffing jib ratings shown.
15. **(Luffing Jib Lifting with Auxiliary Sheave Frame)**
The total load that can be lifted is the weight of hook block, slings, and all other loads handling accessories deducted from luffing jib ratings shown.
16. **(Auxiliary Sheave Lifting)**
The total load that can be lifted over an auxiliary sheave is weight of hook block, slings, and all other loads handling accessories deducted from luffing jib ratings shown, but it should not exceed 14.0 ton in case of one reeve.
It should not exceed 28.0 ton in case of two reeves.
Boom and jib combinations for auxiliary sheave mounting are all boom and jib combinations.
Auxiliary sheave ratings at any radius from center of rotation are the same as luffing ratings shown in table for jib when operated at the same radius.
But maximum angle is the same jib maximum angle.

17. Luffing boom and jib combinations.

		Jib Length										
		24 m (79 ft)	30 m (98 ft)	36 m (118 ft)	42 m (138 ft)	48 m (157 ft)	54 m (177 ft)	60 m (197 ft)	66 m (217 ft)	72 m (236 ft)	78 m (256 ft)	84 m (276 ft)
Boom Length	30 m (98 ft)	○*	○*	○*	○*	○*	○*	○*	○*	○*	×	×
	36 m (118 ft)	○	○	○	○	○	○	○	○	○	○**	○**
	42 m (138 ft)	○	○	○	○	○	○	○	○	○	○**	○**
	48 m (157 ft)	○	○	○	○	○	○	○	○	○	○**	○**
	54 m (177 ft)	○	○	○	○	○	○	○	○	○	○**	○**
	60 m (197 ft)	○	○	○	○	○	○	○	○	○	○**	○**
	66 m (217 ft)	○***	○***	○***	○***	○***	○***	○***	○***	○***	○**	○**
	72 m (236 ft)	○**	○**	○**	○**	○**	○**	○**	○**	○**	○**	○**
	78 m (256 ft)	×	○**	○**	○**	○**	○**	○**	○**	○**	○**	○**
	84 m (276 ft)	×	○**	○**	○**	○**	○**	○**	○**	○**	○**	○**

- × : All luffing jib combinations which is not allowed.
 ○ : All luffing jib combinations which is allowed.
 ○* : Standard-luffing jib combinations which is allowed.
 ○** : Super heavy lift-Luffing jib combinations which is allowed.
 ○*** : Heavy lift and Super heavy lift-Luffing jib combinations which is allowed.

18. Maximum hoist load for number of reeving parts of line for hoist rope.

Jib Hook Loads (Single Drum)

No. of Parts of Line	1	2	3	4	5
Maximum Loads (t)	14.0	28.0	42.0	56.0	70.0

No. of Parts of Line	6	7	8	9	10
Maximum Loads (t)	84.0	98.0	112.0	126.0	140.0

No. of Parts of Line	11	12	13	14	15
Maximum Loads (t)	152.0	164.0	174.0	184.0	192.0

No. of Parts of Line	16
Maximum Loads (t)	200.0

Jib Hook (Double Drum)

No. of Parts of Line	8	12	16
Maximum Loads (t)	112.0	164.0	200.0

Auxiliary Sheave

No. of Parts of Line	1	2
Maximum Loads (t)	14.0	28.0

Weight of hook block					
Hook block	200 ton	120 ton	70 ton	40 ton	14 ton Ball Hook
Weight (t)	7.05	4.5	3.1	2.0	0.9

21. Hook block and number of reeving parts of line restriction

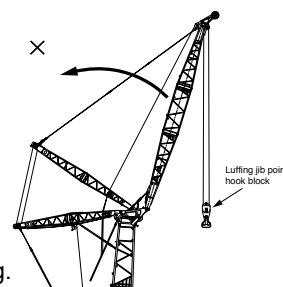
- (1) The self-weight of luffing jib point hook block must be heavier than or equal to the table below.
- (2) Total number of reeving parts of line on luffing jib point hook block must be larger than or equal to the table below.

Danger!

Follow the both (1) and (2) above at a same time for the luffing jib operation.

Otherwise luffing jib may tip over the backwards due to lack of weight on front side of boom.

Failure to observe this precaution may lead to the jib tipping backwards and resulted to machine collapsing.



SL6000 minimum hook block self-weight and minimum number of reeving parts of line on hook block

Boom Length	Jib Length	24 m (79 ft)	30 m (98 ft)	36 m (118 ft)	42 m (138 ft)	48 m (157 ft)	54 m (177 ft)	60 m (197 ft)	66 m (217 ft)	72 m (236 ft)	78 m (256 ft)	84 m (276 ft)
30 m (98 ft)	Hook Block Self-Weight (kg)	7,050	4,500	3,100	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
	No. of Part Line	13	6	4	2	2	2	2	2	2	2	2
36 m (118 ft)	Hook Block Self-Weight (kg)	7,050	4,500	3,100	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
	No. of Part Line	11	6	4	2	2	2	2	2	2	2	2
42 m (138 ft)	Hook Block Self-Weight (kg)	7,050	7,050	3,100	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
	No. of Part Line	10	9	4	2	2	2	2	2	2	2	2
48 m (157 ft)	Hook Block Self-Weight (kg)	7,050	7,050	3,100	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
	No. of Part Line	9	9	4	2	2	2	2	2	2	2	2
54 m (177 ft)	Hook Block Self-Weight (kg)	7,050	7,050	4,500	3,100	2,000	2,000	2,000	2,000	2,000	2,000	2,000
	No. of Part Line	9	8	6	2	2	2	2	2	2	2	2
60 m (197 ft)	Hook Block Self-Weight (kg)	7,050	7,050	7,050	3,100	2,000	2,000	2,000	2,000	2,000	2,000	2,000
	No. of Part Line	8	7	7	3	2	2	2	2	2	2	2
66 m (217 ft)	Hook Block Self-Weight (kg)	7,050	7,050	7,050	4,500	3,100	2,000	2,000	2,000	2,000	2,000	2,000
	No. of Part Line	7	7	6	2	2	2	2	2	2	2	2
72 m (236 ft)	Hook Block Self-Weight (kg)	7,050	7,050	7,050	4,500	3,100	2,000	2,000	2,000	2,000	2,000	2,000
	No. of Part Line	7	6	6	2	2	2	2	2	2	2	2
78 m (256 ft)	Hook Block Self-Weight (kg)			7,050	7,050	4,500	3,100	2,000	2,000	2,000	2,000	2,000
	No. of Part Line			6	5	2	2	2	2	2	2	2
84 m (276 ft)	Hook Block Self-Weight (kg)			7,050	7,050	4,500	3,100	2,000	2,000	2,000	2,000	2,000
	No. of Part Line			5	5	3	2	2	2	2	2	2

Weight of KOBELCO genuine hook block.

200 t hook block 7,050 kg
120 t hook block 4,500 kg

70 t hook block
40 t hook block

3,100 kg
2,000 kg

STANDARD

LIFTING CAPACITIES

Heavy Duty Crane Boom Lifting Capacities

Unit: ton

Counterweight: 180.0 ton, Carbody weight: 50.0 ton

Working Radius (m)	Boom Length (m)	24.0	30.0	36.0	42.0	Boom Length (m)	Working Radius (m)
6.0	6.7 m/450.0					6.0	
7.0	425.0	7.5 m/390.0				7.0	
8.0	375.0	365.0	8.3 m/340.0			8.0	
9.0	330.0	325.0	322.0	9.2 m/311.7		9.0	
10.0	294.0	292.0	290.0	280.1		10.0	
12.0	233.3	232.8	232.1	225.0		12.0	
14.0	192.0	191.5	190.7	187.0		14.0	
16.0	158.7	158.8	158.9	158.6		16.0	
18.0	133.3	133.3	133.4	133.1		18.0	
20.0	114.4	114.4	114.3	114.0		20.0	
22.0	97.4	97.3	97.2	97.1		22.0	
24.0		87.0	86.9	86.4		24.0	
26.0		78.5	78.3	77.8		26.0	
28.0		70.7	70.4	69.8		28.0	
30.0		28.6 m/68.5	63.7	63.1		30.0	
34.0			33.8 m/53.5	52.4		34.0	
38.0				44.4		38.0	
42.0				39.0 m/42.6		42.0	
Reeves	36	36	28	24	Reeves		

Note:

Designed and rated to comply with EN13000 .

Ratings shown in are determined by the strength of the boom or other structural components.

Long Boom Lifting Capacities

Unit: ton

Counterweight: 180.0 ton, Carbody weight: 50.0 ton

Working Radius (m)	Boom Length (m)	90.0	96.0	102.0	108.0	Boom Length (m)	Working Radius (m)
14.0	15.0 m/98.0	15.8 m/84.0				14.0	
16.0	96.0	83.7	16.6 m/70.0	17.5 m/60.0		16.0	
18.0	93.0	81.1	68.5	58.8		18.0	
20.0	90.0	78.5	66.3	55.1		20.0	
22.0	81.1	76.0	64.2	51.4		22.0	
24.0	72.6	70.8	62.1	48.4		24.0	
26.0	64.9	64.2	60.0	45.4		26.0	
28.0	58.4	58.3	57.3	42.9		28.0	
30.0	52.9	52.8	51.3	40.4		30.0	
34.0	44.1	43.3	42.1	36.7		34.0	
38.0	37.0	35.8	35.1	33.2		38.0	
42.0	31.0	30.2	29.7	28.6		42.0	
46.0	26.0	25.4	24.9	22.6		46.0	
50.0	21.8	21.3	20.8	17.3		50.0	
54.0	18.1	17.6	17.1	12.7		54.0	
58.0	14.8	14.4	14.0	8.7		58.0	
62.0	12.0	11.6	11.1	60.0m/6.8		62.0	
66.0	9.5	9.0	8.5			66.0	
70.0	7.2	6.7	6.2			70.0	
72.0	6.2					72.0	
Reeves	7	6	5	5	Reeves		

Note:

Designed and rated to comply with EN13000 .

Ratings shown in are determined by the strength of the boom or other structural components.

Luffing Boom Lifting Capacities

Unit: ton

Counterweight: 180.0 ton, Carbody weight: 50.0 ton

Working Radius (m)	Boom Length (m)	30.0	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	Boom Length (m)	Working Radius (m)
7.0	7.7 m/300.0											7.0	
8.0	300.0	8.5 m/300.0										8.0	
9.0	300.0	300.0	9.3 m/300.0									9.0	
10.0	292.1	291.4	278.2	10.2 m/258.6	11.0 m/224.6	11.8 m/197.3						10.0	
12.0	230.2	229.5	222.9	212.7	203.2	194.3	12.7 m/175.1	13.5 m/156.1				12.0	
14.0	188.9	188.2	184.8	177.0	169.8	163.0	156.5	149.9	14.3 m/140.3	15.2 m/126.4		14.0	
16.0	157.8	157.6	156.9	150.7	145.0	139.4	134.1	128.6	123.8	119.0		16.0	
18.0	132.4	132.1	131.4	130.5	125.7	121.0	116.5	111.9	107.8	103.6		18.0	
20.0	113.4	113.0	112.3	111.8	110.3	106.2	102.4	98.3	94.7	91.1		20.0	
22.0	98.6	98.3	97.5	96.9	96.4	94.2	90.7	87.0	83.9	80.6		22.0	
24.0	86.9	86.5	85.7	85.1	84.6	83.9	81.0	77.6	74.8	71.8		24.0	
26.0	77.3	76.9	76.1	75.5	74.9	74.2	72.7	69.6	67.0	64.2		26.0	
28.0	69.4	68.9	68.1	67.4	66.8	66.1	65.4	62.7	60.3	57.7		28.0	
30.0	28.7 m/66.8	62.2	61.4	60.7	60.1	59.3	58.6	56.7	54.4	52.0		30.0	
34.0		33.9 m/51.7	50.7	49.9	49.3	48.4	47.7	46.7	44.7	42.4		34.0	
38.0			42.6	41.8	41.0	40.2	39.4	38.4	37.0	34.9		38.0	
42.0			39.1 m/40.7	35.4	34.6	33.7	32.7	31.4	30.4	28.7		42.0	
46.0				44.3 m/32.3	29.5	28.3	27.2	25.9	24.8	23.6		46.0	
50.0					49.5 m/25.7	23.8	22.6	21.3	20.2	19.0		50.0	
54.0						20.6	18.9	17.5	16.4	15.1		54.0	
58.0						54.7 m/19.6	15.7	14.3	13.1	11.9		58.0	
62.0							59.9 m/14.4	11.6	10.3	8.8		62.0	
66.0								65.1 m/9.7	7.6			66.0	
Reeves	24	24	24	20	20	16	16	12	12	12	Reeves		

Note:

Designed and rated to comply with EN13000.

Ratings shown in are determined by the strength of the boom or other structural components.

Ratings enclosed in gray-color box in the table require double-drum specifications.

Luffing Jib Lifting Capacity

Unit: ton

Counterweight: 180.0 ton, Carbody weight: 50.0 ton

30.0 m Boom Length	30.0																Boom length (m)
	Jib length (m)	24.0			42.0			54.0			66.0			72.0			Jib length (m)
	Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle
	Working Radius (m)																Working Radius (m)
	14.0	184.0															14.0
	15.0	173.5															15.0
	16.0	160.5															16.0
	17.0	151.0															17.0
	18.0	141.6															18.0
	20.0	125.3			111.6												20.0
	22.0	112.2			107.1												22.0
	24.0	100.1	93.7		97.9			85.2									24.0
	26.0	89.8	84.2		89.3			85.2									26.0
	28.0	81.3	76.2		80.9			78.9			67.3						28.0
	30.0		69.5		73.8			73.1			67.3			60.2			30.0
	34.0		58.8	54.9	62.5	57.7		61.9			60.4			58.7			34.0
	38.0			47.3	54.0	49.7		53.3	48.8		52.2			51.8			38.0
	42.0				47.2	43.5		46.6	42.6		45.5			45.1			42.0
	46.0				41.8	38.4	35.1	41.2	37.5		40.1	36.2		39.4	35.0		46.0
	50.0					34.3	31.3	36.7	33.4	30.2	34.6	31.9		33.0	30.7		50.0
	54.0						28.1	32.7	29.9	27.0	29.5	28.3		27.8	27.1		54.0
	58.0							28.5	27.0	24.2	25.2	25.2	21.9	23.5	24.1		58.0
	62.0								24.5	21.9	21.6	22.6	19.5	19.8	21.5	18.3	62.0
	66.0									19.9	18.6	20.5	17.5	16.7	19.3	16.3	66.0
	70.0										16.1	18.6	15.8	14.1	17.4	14.5	70.0
	74.0											17.1	14.3	11.9	15.8	13.0	74.0
	78.0												13.0		14.4	11.7	78.0
	82.0															10.6	82.0
	86.0															9.8	86.0
	Reeves	16			8			8			8			8			Reeves

36.0 m Boom Length	36.0																Boom length (m)
	Jib length (m)	24.0			42.0			54.0			66.0			72.0			Jib length (m)
	Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle
	Working Radius (m)																Working Radius (m)
	15.0	167.8															15.0
	16.0	157.0															16.0
	17.0	148.2															17.0
	18.0	139.4															18.0
	20.0	124.3			111.0												20.0
	22.0	111.3			103.7												22.0
	24.0	99.8			95.0			84.7									24.0
	26.0	89.6	82.5		87.6			82.7									26.0
	28.0	81.1	74.7		80.7			76.6			66.8						28.0
	30.0	73.8	68.1		73.6			71.3			66.8			59.7			30.0
	34.0		57.6		62.4	56.4		61.5			58.7			57.0			34.0
	38.0			45.4	53.8	48.6		53.0			51.9			50.3			38.0
	42.0			39.6	47.1	42.5		46.3	41.4		45.2			44.9			42.0
	46.0				41.7	37.5	33.5	40.9	36.4		39.8	34.8		39.2			46.0
	50.0					33.4	29.8	36.5	32.4		34.4	30.5		32.8	29.4		50.0
	54.0						26.7	32.4	29.0	25.1	29.2	27.0		27.5	25.8		54.0
	58.0						24.0	28.1	26.1	22.4	24.9	24.0		23.1	22.9		58.0
	62.0								23.7	20.1	21.2	21.5	17.7	19.4	20.3		62.0
	66.0									18.1	18.1	19.4	15.8	16.3	18.2	14.5	66.0
	70.0									16.3	15.5	17.5	14.1	13.6	16.3	12.8	70.0
	74.0											16.0	12.7	11.3	14.7	11.4	74.0
	78.0												11.3		13.4	10.1	78.0
	82.0												10.1		11.4	9.1	82.0
	86.0															8.2	86.0
	Reeves	16			8			8			8			8			Reeves

Note: Designed and rated to comply with EN13000.

Ratings shown in are determined by the strength of the boom or other structural components.

Ratings enclosed in gray-color box in the table require double-drum specifications.

LIFTING CAPACITIES

Luffing Jib Lifting Capacity

Unit: ton

Counterweight: 180.0 ton, Carbody weight: 50.0 ton

42.0 m Boom Length	Boom length (m)		42.0														Boom length (m)	
	Jib length (m)		24.0			42.0			54.0			66.0			72.0			Jib length (m)
	Boom angle		86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle
	Working Radius (m)																	
	15.0	15.4 m/156.2																15.0
	16.0	151.0																16.0
	17.0	142.7																17.0
	18.0	134.4																18.0
	20.0	121.0																20.0
	22.0	110.0				96.6												22.0
	24.0	99.3				92.1			84.1									24.0
	26.0	89.1				85.0			80.2									26.0
	28.0	80.6	72.9			78.8			74.4			66.3						28.0
	30.0	73.4	66.4			73.4			69.2			65.1			59.2			30.0
	34.0		56.2			62.2			60.7			57.0			55.3			34.0
	38.0		48.3	43.1		53.7	47.4		52.7			50.4			48.9			38.0
	42.0			37.6		47.0	41.4		46.0	40.1		44.9			43.5			42.0
	46.0					41.6	36.5		40.6	35.2		39.5	33.2		38.7			46.0
	50.0						32.5	27.8	36.2	31.3		34.0	29.1		32.4	27.9		50.0
	54.0						29.2	24.8	32.0	27.9		28.8	25.6		27.1	24.5		54.0
	58.0							22.2	27.7	25.0	20.1	24.4	22.7		22.7	21.6		58.0
	62.0							19.9		22.6	17.9	20.8	20.3	15.8	19.0	19.1		62.0
	66.0								20.6	16.0	17.6	18.2	13.9	15.8	17.0	12.6		66.0
	70.0									14.3	15.0	16.4	12.3	13.1	15.1	11.0		70.0
	74.0									12.9		14.9	10.8	10.8	13.6	9.6		74.0
	78.0											13.6	9.5		12.3	8.4		78.0
	82.0												8.4		11.2	7.4		82.0
	86.0															6.6		86.0
	90.0															5.7		90.0
	Reeves		12			8			8			8			8			Reeves

48.0 m Boom Length	Boom length (m)		48.0														Boom length (m)	
	Jib length (m)		24.0			42.0			54.0			66.0			72.0			Jib length (m)
	Boom angle		86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle
	Working Radius (m)																	
	16.0	16.2 m/143.5																16.0
	17.0	137.4																17.0
	18.0	129.6																18.0
	20.0	116.9																20.0
	22.0	106.4				96.0												22.0
	24.0	97.7				89.1			82.4									24.0
	26.0	88.8				82.3			77.6									26.0
	28.0	80.3	71.1			76.4			72.0			65.7						28.0
	30.0	73.2	64.8			71.2			67.1			63.0			58.6			30.0
	34.0		54.7			61.8			58.9			55.2			53.5			34.0
	38.0		47.1			53.3	45.9		51.9			48.8			47.3			38.0
	42.0				35.2	46.6	40.0		45.4	38.6		43.6			42.2			42.0
	46.0				30.9	41.2	35.3		40.2	33.9		39.2			37.9			46.0
	50.0						31.4	25.0	35.9	29.9		33.5	27.6		31.9	26.3		50.0
	54.0						28.1	22.2	31.4	26.5		28.3	24.2		26.6	23.0		54.0
	58.0							19.7	27.1	23.7	17.6	23.9	21.4		22.2	20.1		58.0
	62.0							17.6		21.2	15.6	20.2	19.0		18.4	17.8		62.0
	66.0								19.1	13.8	17.1	16.9	11.7		15.2	15.7		66.0
	70.0									12.2	14.4	15.2	10.1		12.5	13.9	9.1	70.0
	74.0									10.9		13.7	8.8		10.2	12.4	7.8	74.0
	78.0											12.3	7.6			11.1	6.7	78.0
	82.0												6.5			10.1		82.0
	Reeves		12			8			8			8			8			Reeves

Note: Designed and rated to comply with EN13000.

Ratings shown in are determined by the strength of the boom or other structural components.

Ratings enclosed in gray-color box in the table require double-drum specifications.

Luffing Jib Lifting Capacity

Unit: ton

Counterweight: 180.0 ton, Carbody weight: 50.0 ton

54.0 m Boom Length	Boom length (m)		54.0														Boom length (m)	
	Jib length (m)		24.0			42.0			54.0			66.0			72.0			Jib length (m)
	Boom angle		86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle
	Working Radius (m)																	
	17.0		132.2															17.0
	18.0		124.8															18.0
	20.0		112.8															20.0
	22.0		102.8			93.7												22.0
	24.0		94.5			86.1												24.0
	26.0		87.3			79.6			74.0									26.0
	28.0		80.0			74.0			69.7			64.2						28.0
	30.0		72.8	63.0		69.0			65.0			60.9			58.1			30.0
	34.0			53.2		60.6			57.0			53.4			51.7			34.0
	38.0			45.7		52.9	43.8		50.6			47.2			45.8			38.0
	42.0				32.1	46.2	38.5		45.2			42.2			40.8			42.0
	46.0				28.1	40.9	33.8		39.9	31.9		37.9			36.6			46.0
	50.0						29.9		35.5	28.0		32.7	25.9		31.2			50.0
	54.0						26.7	19.5	30.7	24.8		27.6	22.7		25.9	21.5		54.0
	58.0						23.9	17.2	26.4	22.1		23.2	19.9		21.5	18.7		58.0
	62.0							15.2		19.7	13.1	19.6	17.6		17.8	16.4		62.0
	66.0							13.6		17.7	11.5	16.5	15.6		14.6	14.4		66.0
	70.0										10.0	13.8	13.9		11.9	12.7		70.0
	74.0										8.8		12.4		9.6	11.2		74.0
	78.0										7.7		11.0			9.9		78.0
	82.0														8.9			82.0
	86.0														8.0			86.0
	Reeves		12			8			8			8			8			Reeves

60.0 m Boom Length	Boom length (m)		60.0														Boom length (m)	
	Jib length (m)		24.0			42.0			54.0			66.0			72.0			Jib length (m)
	Boom angle		86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle
	Working Radius (m)																	
	17.0		17.8 m/121.3															17.0
	18.0		120.1															18.0
	20.0		108.7															20.0
	22.0		99.3			90.4												22.0
	24.0		91.3			83.2												24.0
	26.0		84.5			77.0			72.4									26.0
	28.0		78.6			71.5			67.3									28.0
	30.0		72.5			66.7			62.8			58.3						30.0
	34.0			51.3		58.7			55.2			51.5			47.7			34.0
	38.0			44.2		52.3			49.0			45.6			44.2			38.0
	42.0			38.4		45.8	36.1		43.9			40.7			39.4			42.0
	46.0				25.1	40.5	31.6		39.6	29.8		36.6			35.3			46.0
	50.0				22.0		27.9		34.8	26.4		31.7	23.8		30.1			50.0
	54.0						24.8		29.8	23.3		26.7	21.1		25.0	19.4		54.0
	58.0						22.2	14.4	25.6	20.7		22.4	18.4		20.7	17.0		58.0
	62.0							12.7		18.4	10.9	18.8	16.2		17.1	14.8		62.0
	66.0							11.1		16.4	9.4	15.8	14.3		14.0	13.0		66.0
	70.0									14.7	8.0	13.1	12.6		11.3	11.3		70.0
	74.0										6.9		11.2		9.0	9.9		74.0
	78.0												10.0		7.0	8.7		78.0
	82.0												8.8			7.7		82.0
	86.0															6.8		86.0
	Reeves		12			8			8			8			8			Reeves

Note: Designed and rated to comply with EN13000.

Ratings shown in are determined by the strength of the boom or other structural components.

Ratings enclosed in gray-color box in the table require double-drum specifications.

HEAVY LIFT

BOOM AND JIB ARRANGEMENTS

Heavy Duty Crane Boom Arrangements

Boom length m (ft)	Boom arrangement
36 (118)	※
42 (138)	※

Symbol	Boom Length	Remarks
	9.0 m (29.5 ft)	Boom Base
	8.0 m (26.2 ft)	Tapered Boom
	6.0 m (19.7 ft)	Insert Boom
	12.0 m (39.4 ft)	Insert Boom
	1.0 m (3.3 ft)	Boom Top

↗ mark shows the guy line installing position when the fixed jib is used.

※ indicates the most flexible combination of insert heavy duty booms, which can be modified to form all shorter heavy duty boom arrangements.

Luffing Boom Arrangements for Crane

Boom length m (ft)	Boom arrangement
36 (118)	※
42 (138)	※
48 (157)	※
54 (177)	※
60 (197)	※
66 (217)	※
72 (236)	※
78 (256)	※
84 (276)	※

Symbol	Boom Length	Remarks
	9.0 m (29.5 ft)	Boom Base
	8.0 m (26.2 ft)	Tapered Boom
	6.0 m (19.7 ft)	Insert Boom
	12.0 m (39.4 ft)	Insert Boom
	1.0 m (3.3 ft)	Boom Top

↗ mark shows the guy line installing position when the fixed jib is used.

※ indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

Long Boom Arrangements

Boom length m (ft)	Boom arrangement
90 (295)	
96 (315)	※
102 (335)	※
108 (354)	※

Symbol	Boom Length	Remarks
	9.0 m (29.5 ft)	Boom Base
	8.0 m (26.2 ft)	Tapered Boom
	6.0 m (19.7 ft)	Insert Boom
	12.0 m (39.4 ft)	Insert Boom
	5.0 m (16.4 ft)	Luffing Insert Jib
	6.0 m (19.7 ft)	Luffing Insert Jib
	12.0 m (39.4 ft)	Luffing Insert Jib
	8.0 m (26.2 ft)	Jib Top

↗ mark shows the guy line installing position when the fixed jib is used.

※ indicates the most flexible combination of insert long booms, which can be modified to form all shorter long boom arrangements.

Luffing Boom Arrangements for Luffing

Boom length m (ft)	Boom arrangement
36 (118)	※
42 (138)	※
48 (157)	※
54 (177)	※
60 (197)	※
66 (217)	※

Symbol	Boom Length	Remarks
	9.0 m (29.5 ft)	Boom Base
	8.0 m (26.2 ft)	Tapered Boom
	6.0 m (19.7 ft)	Insert Boom
	12.0 m (39.4 ft)	Insert Boom
	1.0 m (3.3 ft)	Boom Top

↗ mark shows the guy line installing position when the fixed jib is used.
 ※ indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

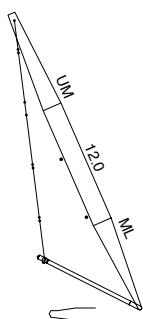
Luffing Jib Arrangements

Jib length m (ft)	Jib arrangement
24 (79)	
30 (98)	※
36 (118)	※
42 (138)	※
48 (157)	※
54 (177)	※
60 (197)	※
66 (217)	※
72 (236)	※

Symbol	Jib Length	Remarks
	10.0 m (32.8 ft)	Jib Base
	6.0 m (19.7 ft)	Luffing Insert Jib
	12.0 m (39.4 ft)	Luffing Insert Jib
	8.0 m (26.2 ft)	Jib Top

↗ mark shows the guy line installing position when the fixed jib is used.
 ※ indicates the most flexible combination of insert luffing jibs, which can be modified to form all shorter luffing jib arrangements.

HL MAST

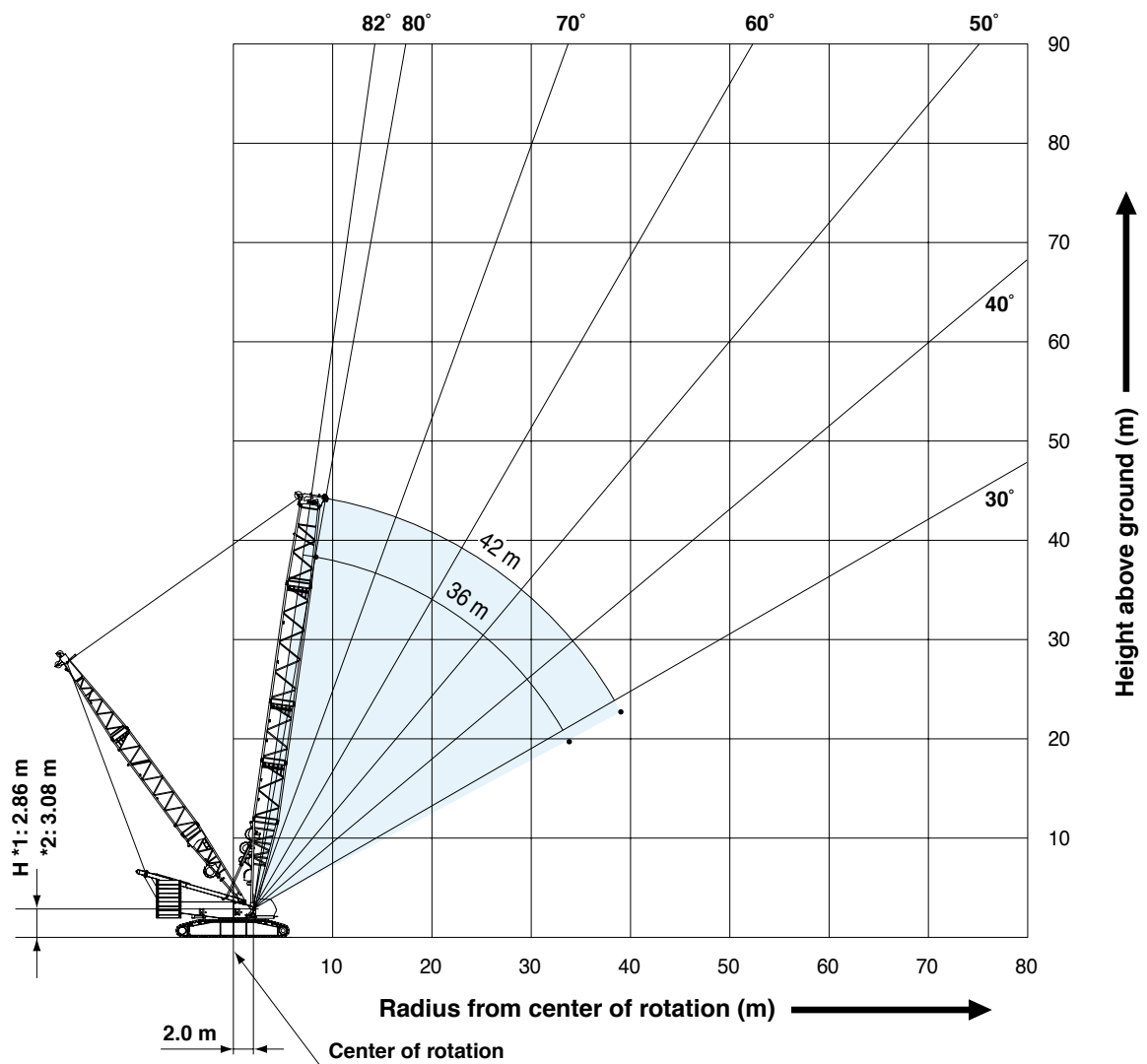


Symbol	Mast Length	Remarks
	9.0 m (29.5 ft)	Mast Base
	12.0 m (39.4 ft)	Insert Mast
	10.0 m (32.8 ft)	Mast Top

HEAVY LIFT

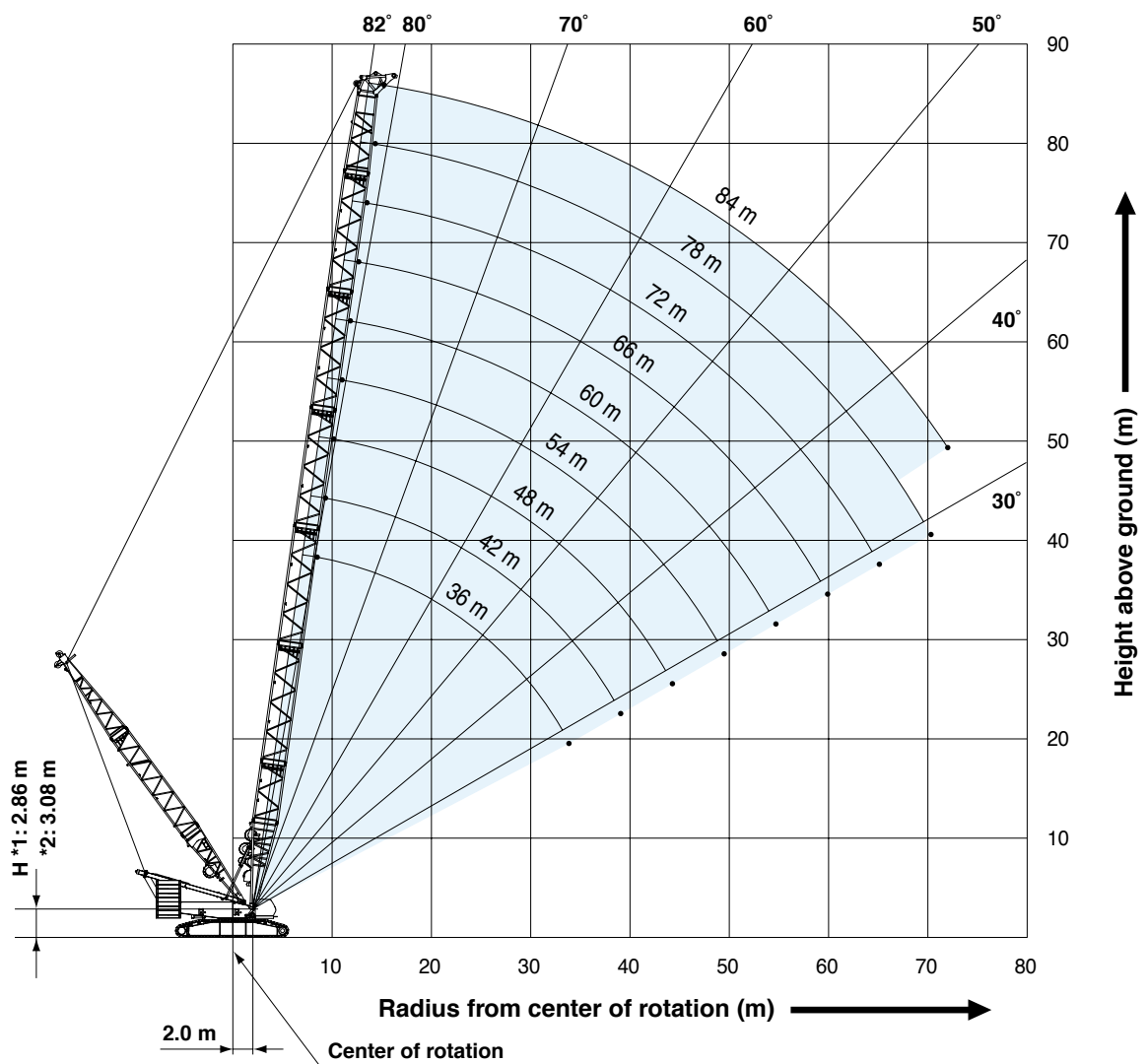
WORKING RANGES

Heavy Duty Crane Boom



1: Without upper/lower connecting device
2: With upper/lower connecting device

Luffing Boom

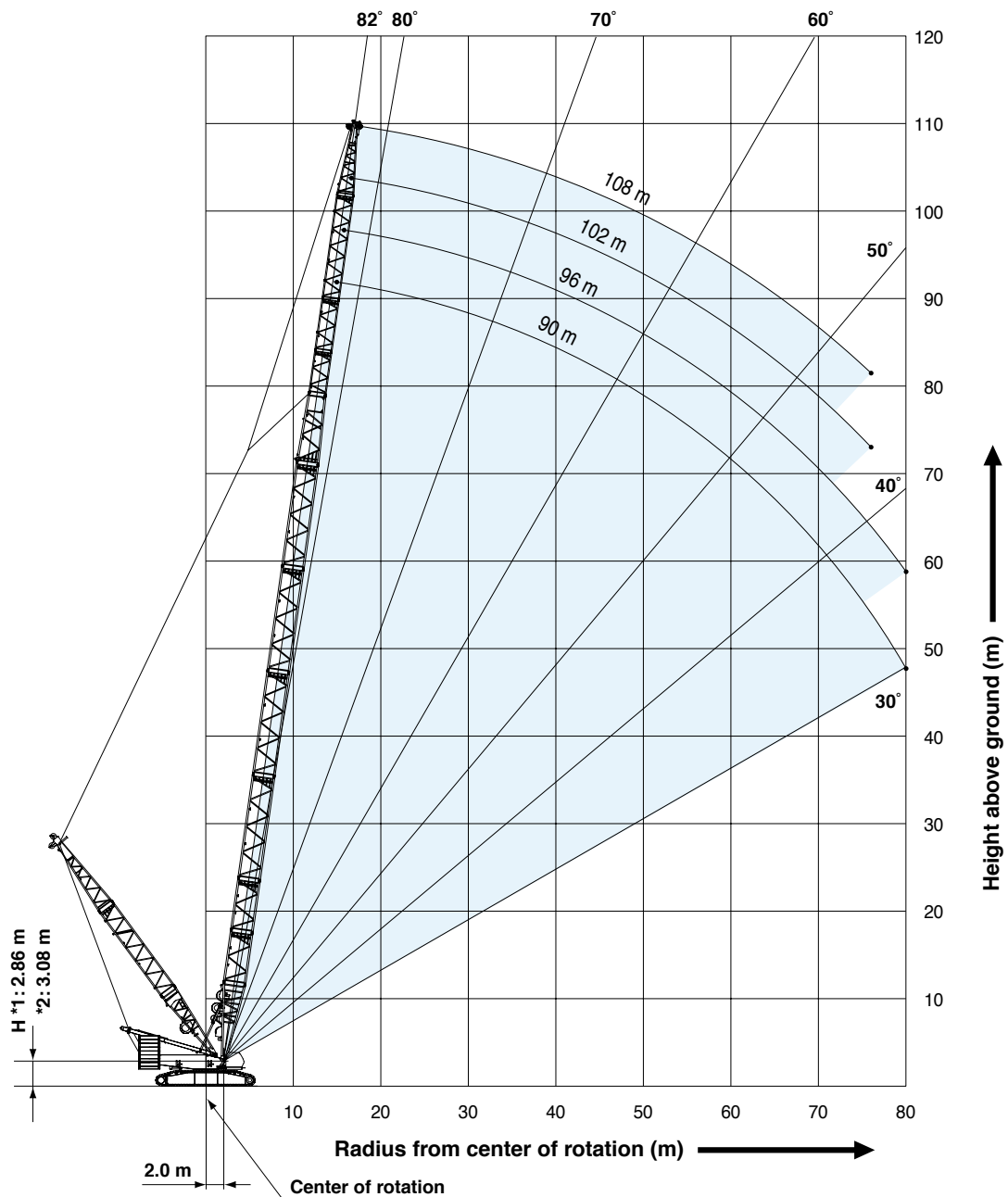


1: Without upper/lower connecting device
2: With upper/lower connecting device

HEAVY LIFT

WORKING RANGES

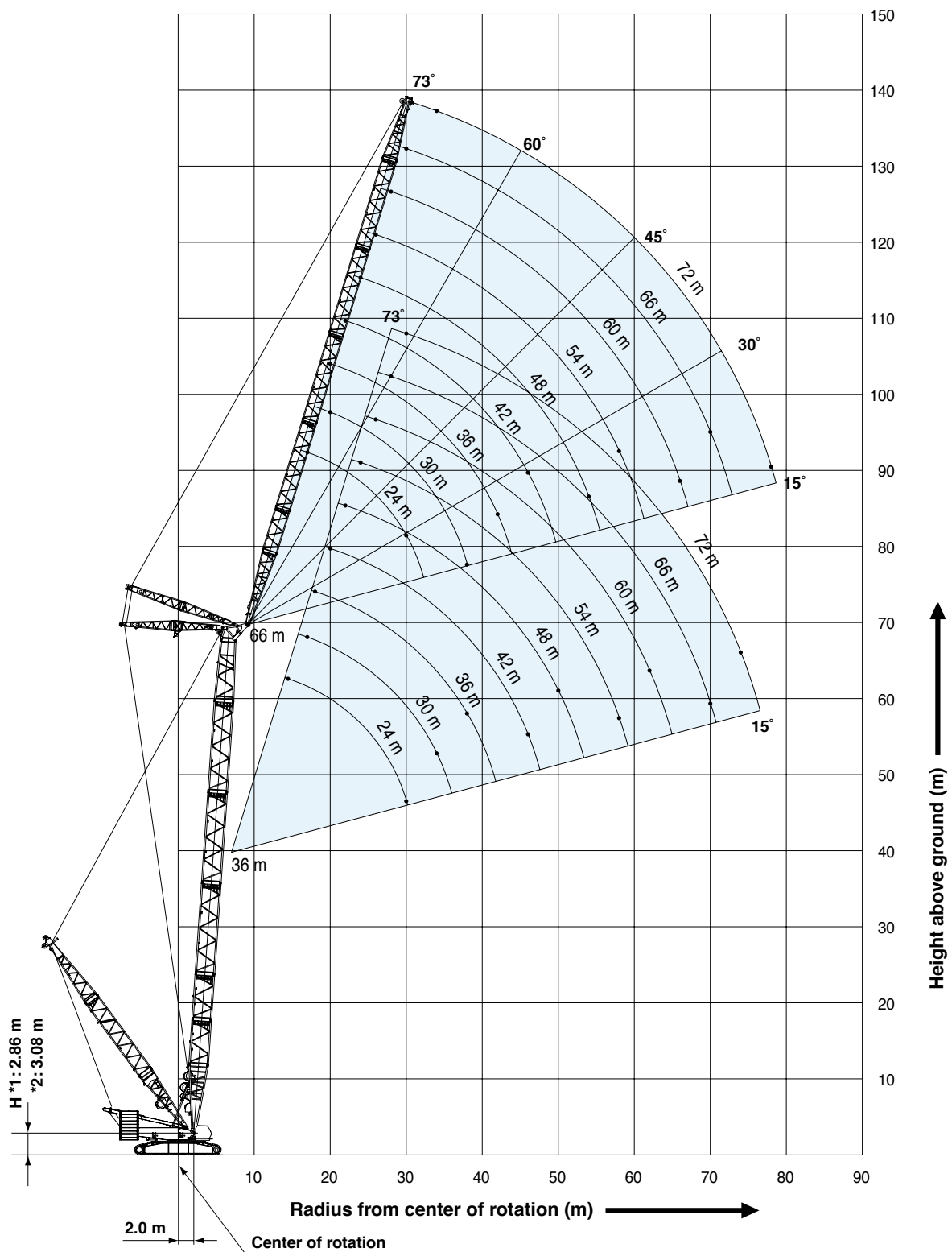
Long Boom



1: Without upper/lower connecting device
2: With upper/lower connecting device

Luffing Jib

Boom Angle: 86°

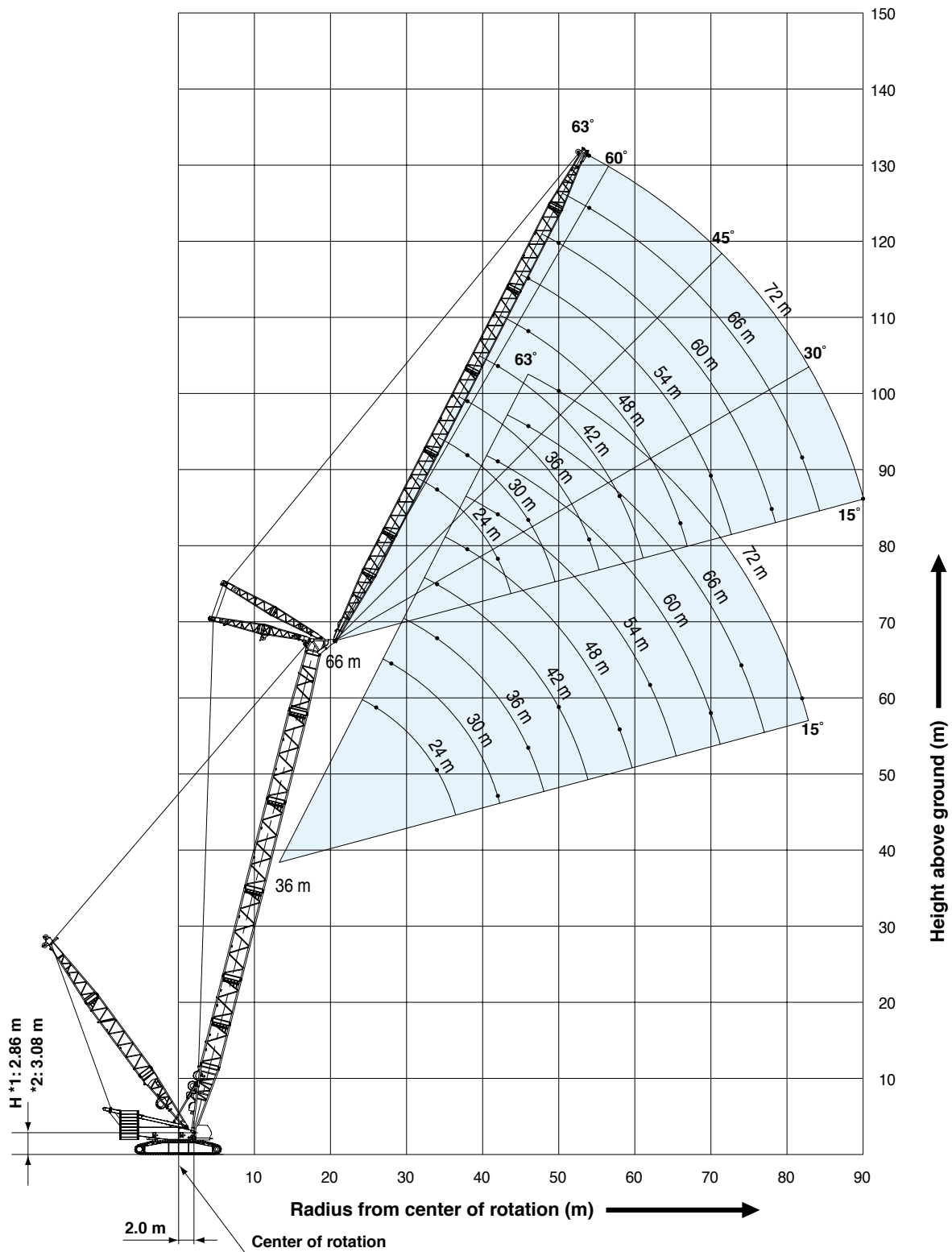


1: Without upper/lower connecting device
 2: With upper/lower connecting device

WORKING RANGES

Luffing Jib

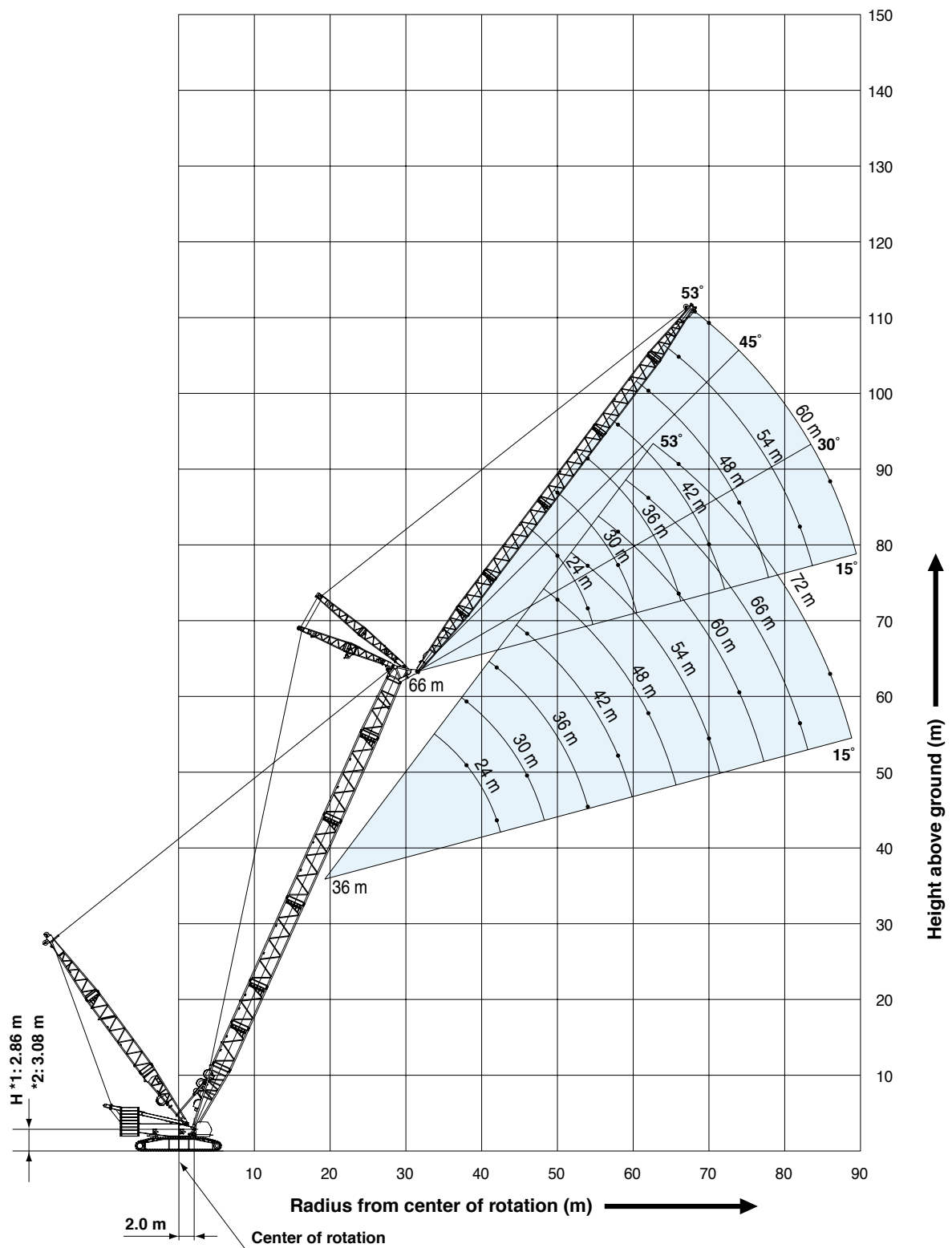
Boom Angle: 76°



1: Without upper/lower connecting device
2: With upper/lower connecting device

Luffing Jib

Boom Angle: 66°



1: Without upper/lower connecting device
2: With upper/lower connecting device

HEAVY LIFT

LIFTING CAPACITIES

Heavy Duty Crane Boom Lifting Capacities

Unit: ton

Counterweight: 180.0 ton, Carbody weight: 50.0 ton
HL Mast point radius: 11 m to 16 m

Working Radius (m)	Boom Length (m)	36.0	42.0	Boom Length (m)	Working Radius (m)
8.0	8.3 m/367.5			8.0	
9.0	330.0		9.2 m/323.3	9.0	
10.0	286.4		286.9	10.0	
12.0	225.4		225.9	12.0	
14.0	184.9		185.2	14.0	
16.0	156.0		156.1	16.0	
18.0	134.4		134.3	18.0	
20.0	117.7		117.4	20.0	
22.0	104.1		103.9	22.0	
24.0	93.2		92.8	24.0	
26.0	84.0		83.6	26.0	
28.0	76.2		75.9	28.0	
30.0	69.5		69.1	30.0	
32.0	63.5		63.3	32.0	
34.0	33.8 m/58.7		58.2	34.0	
36.0			53.7	36.0	
38.0			49.7	38.0	
40.0			39.0 m/47.8	40.0	
Reeves	28		24	Reeves	

Note:

Designed and rated to comply with EN13000 .

Ratings shown in are determined by the strength of the boom or other structural components.

Long Boom Lifting Capacities

Unit: ton

Counterweight: 180.0 ton, Carbody weight: 50.0 ton
HL Mast point radius: 11 m to 16 m

Working Radius (m)	Boom Length (m)	90.0	96.0	102.0	108.0	Boom Length (m)	Working Radius (m)
14.0	15.0 m/98.0		15.8 m/98.0			14.0	
16.0	98.0		98.0	16.6 m/84.0	17.5 m/84.0	16.0	
18.0	98.0		98.0	84.0	84.0	18.0	
20.0	98.0		97.5	84.0	84.0	20.0	
22.0	89.9		87.4	84.0	81.9	22.0	
24.0	81.0		78.8	75.9	73.8	24.0	
26.0	73.5		71.5	68.7	66.7	26.0	
28.0	66.9		65.1	62.3	60.5	28.0	
30.0	61.1		59.4	56.8	55.1	30.0	
32.0	56.0		54.4	51.8	50.3	32.0	
34.0	51.5		49.9	47.5	46.0	34.0	
36.0	47.4		45.9	43.5	42.1	36.0	
38.0	43.5		42.3	40.0	38.7	38.0	
40.0	39.9		39.0	36.7	35.5	40.0	
44.0	33.8		33.2	31.1	30.0	44.0	
48.0	28.9		28.3	26.4	25.3	48.0	
52.0	24.7		24.2	22.4	21.4	52.0	
56.0	21.2		20.7	18.9	18.0	56.0	
60.0	18.2		17.6	15.9	15.0	60.0	
64.0	15.4		14.8	13.3	12.4	64.0	
68.0	13.0		12.4	10.9	10.0	68.0	
72.0	10.8		10.2	8.9	8.0	72.0	
76.0	8.9		8.3	7.0	6.2	76.0	
80.0	80.1 m/7.2		6.7			80.0	
Reeves	7		7	6	6	Reeves	

Note:

Designed and rated to comply with EN13000 .

Ratings shown in are determined by the strength of the boom or other structural components.

Luffing Boom Lifting Capacities

Unit: ton

Counterweight: 180.0 ton, Carbody weight: 50.0 ton
HL Mast point radius: 11 m to 16 m

Working Radius (m)	Boom Length (m)	36.0	42.0	48.0	54.0	60.0	66.0	72.0	78.0	84.0	Boom Length (m)	Working Radius (m)
8.0	8.5 m/300.0											8.0
9.0	300.0	9.3 m/300.0										9.0
10.0	286.5	287.1	10.2 m/280.5	11.0 m/252.1	11.8 m/225.4							10.0
12.0	224.9	225.3	225.0	224.6	221.9	12.7 m/199.7	13.5 m/178.2					12.0
14.0	184.0	184.2	183.8	183.3	183.0	178.8	171.2	14.3 m/160.6	15.2 m/145.2			14.0
16.0	154.8	154.9	154.6	153.9	153.4	152.7	147.4	142.2	137.0			16.0
18.0	132.9	132.9	132.6	132.0	131.4	129.7	128.5	124.1	119.7			18.0
20.0	116.0	115.9	115.5	114.8	114.3	113.5	112.6	109.5	105.6			20.0
22.0	102.4	102.2	101.9	101.2	100.6	99.8	98.9	97.3	93.8			22.0
24.0	91.3	91.1	90.7	90.1	89.6	88.6	87.7	87.1	84.0			24.0
26.0	82.0	81.8	81.4	80.8	80.3	79.3	78.3	77.6	75.5			26.0
28.0	74.2	74.0	73.5	72.9	72.4	71.5	70.4	69.7	68.2			28.0
30.0	67.5	67.2	66.8	66.1	65.7	64.8	63.8	63.0	61.8			30.0
32.0	61.6	61.4	60.9	60.3	59.8	58.9	58.0	57.1	56.1			32.0
34.0	33.9 m/56.6	56.3	55.8	55.1	54.7	53.8	52.8	52.0	51.1			34.0
36.0		51.7	51.3	50.6	50.2	49.3	48.3	47.4	46.4			36.0
38.0		47.7	47.3	46.6	46.1	45.3	44.3	43.6	42.6			38.0
40.0		39.1 m/45.6	43.6	43.0	42.5	41.7	40.7	40.0	39.0			40.0
42.0			40.4	39.7	39.3	38.4	37.5	36.7	35.6			42.0
44.0			37.4	36.8	36.3	35.5	34.5	33.7	32.7			44.0
46.0			44.3 m/37.0	34.1	33.7	32.8	31.8	31.0	30.0			46.0
48.0				31.6	31.2	30.4	29.3	28.5	27.3			48.0
50.0				49.5 m/29.9	29.0	28.1	27.1	26.1	24.9			50.0
52.0					26.9	26.0	25.0	23.9	22.6			52.0
54.0					25.0	24.1	23.0	21.8	20.6			54.0
56.0					54.7 m/24.3	22.4	21.2	20.0	18.7			56.0
58.0						20.7	19.5	18.3	16.9			58.0
60.0						59.9 m/19.2	18.0	16.7	15.3			60.0
62.0							16.6	15.3	13.9			62.0
64.0							15.4	14.0	12.5			64.0
66.0							65.1 m/14.8	12.8	11.2			66.0
68.0								11.7	10.0			68.0
70.0								10.6	8.8			70.0
72.0								70.3 m/10.5	7.7			72.0
Reeves		24	24	24	20	20	16	16	12	12		Reeves

Note:

Designed and rated to comply with EN13000.

Ratings shown in are determined by the strength of the boom or other structural components.

Ratings enclosed in gray-color box in the table require double-drum specifications.

Luffing Jib Lifting Capacity

Unit: ton

Counterweight: 180.0 ton, Carbody weight: 50.0 ton
HL Mast point radius: 16 m

48.0 m Boom Length	Boom length (m)		48.0														Boom length (m)		
	Jib length (m)		24.0			42.0			54.0			66.0			72.0			Jib length (m)	
	Boom angle		86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle	
Working Radius (m)	16.0	16.2 m/167.4																16.0	
	17.0	160.1																17.0	
	18.0	150.8																18.0	
	20.0	135.8																20.0	
	22.0	123.4				113.0												22.0	
	24.0	112.6				103.6			90.2									24.0	
	26.0	102.2				95.5			88.0									26.0	
	28.0	92.9	83.4			88.4			84.1			67.3						28.0	
	30.0	85.0	76.3			82.3			78.3			66.0			58.4			30.0	
	34.0		65.0			70.9			68.5			62.9			56.3			34.0	
	38.0		56.3			61.4	53.9		60.5			57.4			53.8			38.0	
	42.0			43.9	53.9	47.3		53.1	45.1		51.2			48.6				42.0	
	46.0			38.9	48.0	41.9		47.0	40.8		45.9			44.8				46.0	
	50.0					37.5	32.1	42.1	36.4		41.0	33.2		40.4	32.3			50.0	
	54.0					33.8	29.0	37.9	32.6		36.8	31.1		36.4	30.0			54.0	
	58.0						26.2	34.5	29.5	23.8	33.3	28.2		32.8	27.1			58.0	
	62.0						23.8		26.8	22.5	30.2	25.5		29.8	24.6			62.0	
	66.0								24.6	20.4	27.6	23.2	16.5	27.2	22.4			66.0	
	70.0									18.6	25.4	21.1	16.5	24.9	20.5	13.5		70.0	
	74.0										17.1		19.4	15.0	22.9	18.8	13.5	74.0	
	78.0												17.8	13.7		17.2	12.7	78.0	
	82.0													12.5		15.8	11.5	82.0	
	86.0													11.6			10.4	86.0	
	90.0																9.5	90.0	
		Reeves	16			12			8			8			8			Reeves	

54.0 m Boom Length	Boom length (m)		54.0														Boom length (m)		
	Jib length (m)		24.0			42.0			54.0			66.0			72.0			Jib length (m)	
	Boom angle		86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle	
	Working Radius (m)																		
17.0		154.3																17.0	
18.0		145.5																18.0	
20.0		131.2																20.0	
22.0		119.3			109.3													22.0	
24.0		109.4			100.2													24.0	
26.0		101.0			92.5			80.7										26.0	
28.0		92.4			85.7			78.2			63.1							28.0	
30.0		84.5	74.3		79.8			75.6			61.8			55.1				30.0	
34.0			63.2		69.9			66.5			58.7			52.9				34.0	
38.0			54.7		60.9	51.7		58.9			55.2			50.3				38.0	
42.0				41.4	53.5	45.8		52.6			49.6			47.5				42.0	
46.0				36.7	47.6	40.5		46.7	38.2		44.6			43.4				46.0	
50.0						36.2		41.7	34.8		40.3	31.8		39.2				50.0	
54.0						32.6	26.7	37.6	31.5		36.5	28.9		35.5	27.2			54.0	
58.0						29.6	24.3	34.2	28.4		33.0	26.1		32.4	25.1			58.0	
62.0							22.0		25.8	19.0	30.0	23.7		29.5	22.7			62.0	
66.0							20.1		23.5	18.2	27.4	21.6		26.9	20.6			66.0	
70.0										16.6	25.1	19.8	12.6	24.6	18.8			70.0	
74.0										15.2		18.2	12.6	22.6	17.1	9.8		74.0	
78.0										14.1		16.8	11.4		15.7	9.8		78.0	
82.0													10.3		14.4	9.3		82.0	
86.0													9.3		13.4	8.3		86.0	
90.0													8.6			7.4		90.0	
94.0																6.7		94.0	
Reeves		12			8			8			8			8			Reeves		

Note: Designed and rated to comply with EN13000.

Ratings shown in are determined by the strength of the boom or other structural components.

Ratings enclosed in gray-color box in the table require double-drum specifications.

HEAVY LIFT

LIFTING CAPACITIES

Luffing Jib Lifting Capacity

Unit: ton

Counterweight: 180.0 ton, Carbody weight: 50.0 ton
HL Mast point radius: 16 m

60.0 m Boom Length	Boom length (m)		60.0														Boom length (m)		
	Jib length (m)		24.0			42.0			54.0			66.0			72.0			Jib length (m)	
	Boom angle		86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle	
Working Radius (m)	17.0	17.8 m/141.8																17.0	
	18.0	140.3																18.0	
	20.0	126.7																20.0	
	22.0	115.4				103.2												22.0	
	24.0	105.9				97.0												24.0	
	26.0	97.8				89.5			76.5									26.0	
	28.0	90.8				83.0			74.2									28.0	
	30.0	84.0				77.3			71.7			58.2						30.0	
	34.0		61.4			67.8			64.4			55.3			49.4			34.0	
	38.0		53.1			60.2			57.1			52.1			47.0			38.0	
	42.0		46.6			53.1	43.2		51.0			48.1			44.3			42.0	
	46.0			34.5		47.1	38.7		46.0	36.1		43.2			41.6			46.0	
	50.0			30.7			34.9		41.3	32.5		39.0	29.7		37.9			50.0	
	54.0						31.3		37.2	29.3		35.4	26.7		34.4	25.7		54.0	
	58.0						28.4	21.7	33.8	26.6		32.3	24.1		31.3	23.1		58.0	
	62.0							19.7		24.3	16.8	29.6	21.8		28.6	20.8		62.0	
	66.0							18.0		22.4	15.6	27.1	19.8		26.3	18.8		66.0	
	70.0									20.6	14.1	24.8	18.0	10.5	24.2	17.0		70.0	
	74.0										12.8		16.5	10.3	22.4	15.5		74.0	
	78.0										11.7		15.1	9.1	20.6	14.1		78.0	
	82.0												14.1	8.1		12.9		82.0	
	86.0													7.2		11.9		86.0	
	90.0													6.5				90.0	
		Reeves		12			8			8			8			8			Reeves

66.0 m Boom Length	Boom length (m)		66.0														Boom length (m)		
	Jib length (m)		24.0			42.0			54.0			66.0			72.0			Jib length (m)	
	Boom angle		86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle	
Working Radius (m)	18.0	18.5 m/131.7																18.0	
	20.0	122.2																20.0	
	22.0	111.4			95.3													22.0	
	24.0	102.3			91.5													24.0	
	26.0	94.5			86.5			71.3										26.0	
	28.0	87.8			80.3			68.1										28.0	
	30.0	82.0			74.8			66.6			55.1							30.0	
	34.0		57.5		65.6			61.6			52.2			46.4				34.0	
	38.0		50.8		58.2			55.2			49.0			44.0				38.0	
	42.0		45.0		52.2	40.1		49.3			45.7			41.4				42.0	
	46.0				46.7	35.9		44.5	33.4		41.7			38.8				46.0	
	50.0			28.0		32.3		40.3	29.9		37.6			36.2				50.0	
	54.0			25.4		29.3		36.9	26.9		34.2	24.4		33.1	23.4			54.0	
	58.0					26.8	18.4	33.4	24.4		31.2	21.9		30.1	20.9			58.0	
	62.0						16.6		22.2		28.6	19.7		27.5	18.8			62.0	
	66.0						15.0		20.3	12.5	26.3	17.8		25.3	16.9			66.0	
	70.0						13.7		18.7	11.4	24.4	16.1		23.3	15.2			70.0	
	74.0									10.2		14.7		21.5	13.7			74.0	
	78.0									9.1		13.4		20.1	12.4			78.0	
	82.0									8.3		12.3			11.2			82.0	
	86.0														10.2			86.0	
	90.0														9.4			90.0	
		Reeves		12			8			8			8			8			Reeves

Note: Designed and rated to comply with EN13000.

Ratings shown in are determined by the strength of the boom or other structural components.

Ratings enclosed in gray-color box in the table require double-drum specifications.

[illegible]

SUPER HEAVY LIFT

BOOM AND JIB ARRANGEMENTS

Heavy Duty Crane Boom Arrangements

Boom length m (ft)	Boom arrangement
36 (118)	※
42 (138)	※

Symbol	Boom Length	Remarks
	9.0 m (29.5 ft)	Boom Base
	8.0 m (26.2 ft)	Tapered Boom
	6.0 m (19.7 ft)	Insert Boom
	12.0 m (39.4 ft)	Insert Boom
	1.0 m (3.3 ft)	Boom Top

↗ mark shows the guy line installing position when the fixed jib is used.

※ indicates the most flexible combination of insert heavy duty booms, which can be modified to form all shorter heavy duty boom arrangements.

Luffing Boom Arrangements for Crane

Boom length m (ft)	Boom arrangement
36 (118)	※
42 (138)	※
48 (157)	※
54 (177)	※
60 (197)	※
66 (217)	※
72 (236)	※
78 (256)	※
84 (276)	※

Symbol	Boom Length	Remarks
	9.0 m (29.5 ft)	Boom Base
	8.0 m (26.2 ft)	Tapered Boom
	6.0 m (19.7 ft)	Insert Boom
	12.0 m (39.4 ft)	Insert Boom
	1.0 m (3.3 ft)	Boom Top

↗ mark shows the guy line installing position when the fixed jib is used.

※ indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

Long Boom Arrangements

Boom length m (ft)	Boom arrangement
90 (295)	
96 (315)	※
102 (335)	※
108 (354)	※
114 (374)	※
120 (394)	※
126 (413)	※

Symbol	Boom Length	Remarks
	9.0 m (29.5 ft)	Boom Base
	8.0 m (26.2 ft)	Tapered Boom
	6.0 m (19.7 ft)	Insert Boom
	12.0 m (39.4 ft)	Insert Boom
	5.0 m (16.4 ft)	Luffing Insert Jib
	6.0 m (19.7 ft)	Luffing Insert Jib
	12.0 m (39.4 ft)	Luffing Insert Jib
	8.0 m (26.2 ft)	Luffing Top

↗ mark shows the guy line installing position when the fixed jib is used.

※ indicates the most flexible combination of insert long booms, which can be modified to form all shorter long boom arrangements.

Luffing Boom Arrangements for Luffing

Boom length m (ft)	Boom arrangement
36 (118)	※
42 (138)	※
48 (157)	※
54 (177)	※
60 (197)	※
66 (217)	※
72 (236)	※
78 (256)	※
84 (276)	※

Symbol	Boom Length	Remarks
	9.0 m (29.5 ft)	Boom Base
	8.0 m (26.2 ft)	Tapered Boom
	6.0 m (19.7 ft)	Insert Boom
	12.0 m (39.4 ft)	Insert Boom
	1.0 m (3.3 ft)	Boom Top

↗ mark shows the guy line installing position when the fixed jib is used.

※ indicates the most flexible combination of insert luffing booms, which can be modified to form all shorter luffing boom arrangements.

Luffing Jib Arrangements

Jib length m (ft)	Jib arrangement
24 (79)	
30 (98)	※
36 (118)	※
42 (138)	※
48 (157)	※
54 (177)	※
60 (197)	※
66 (217)	※
72 (236)	※
78 (256)	
84 (276)	※

Symbol	Jib Length	Remarks
	10.0 m (32.8 ft)	Jib Base
	6.0 m (19.7 ft)	Luffing Insert Jib
	12.0 m (39.4 ft)	Luffing Insert Jib
	8.0 m (26.2 ft)	Jib Top

↗ mark shows the guy line installing position when the fixed jib is used.

※ indicates the most flexible combination of insert luffing jibs, which can be modified to form all shorter luffing jib arrangements.

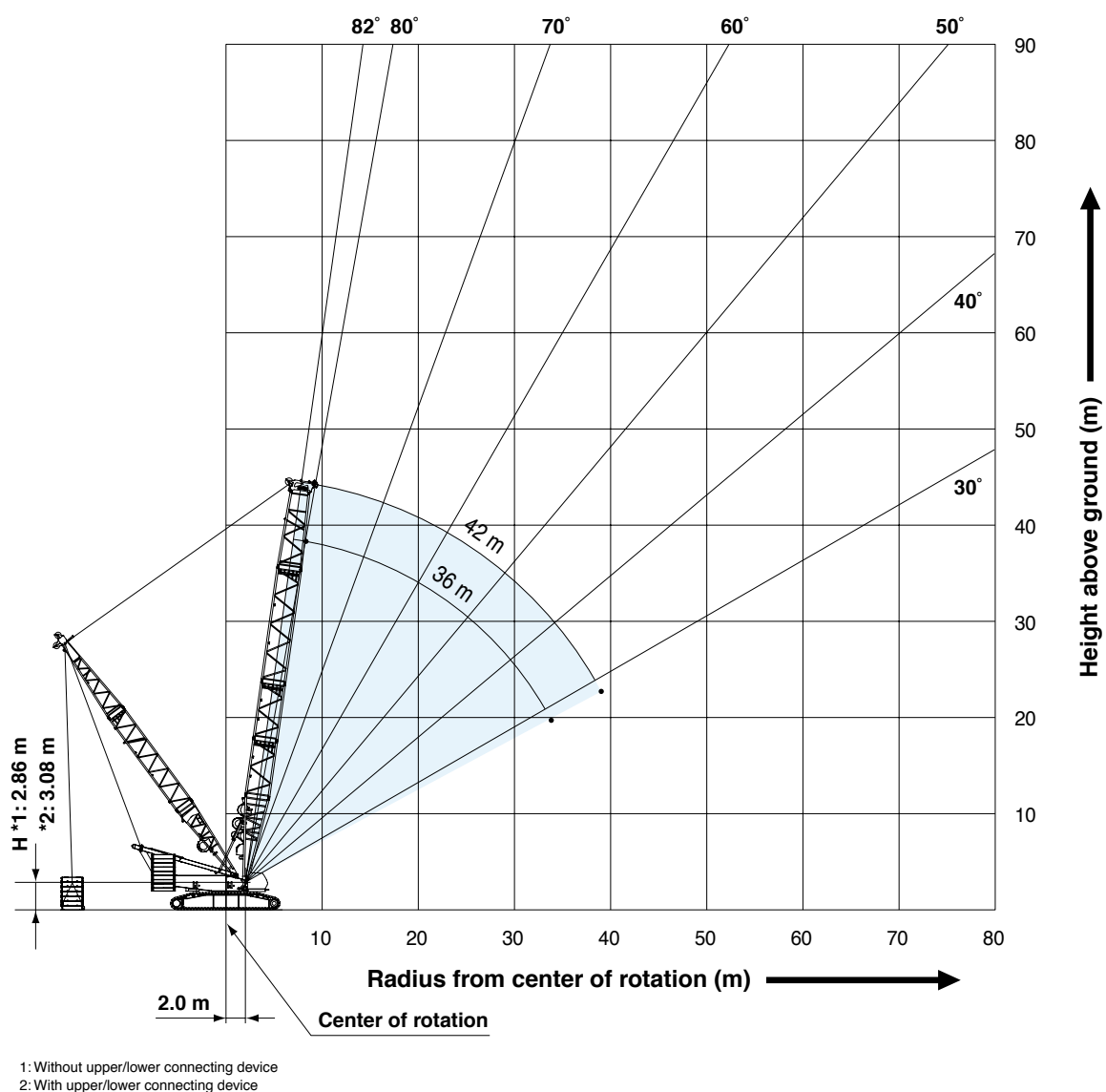
SHL MAST

Symbol	Mast Length	Remarks
	9.0 m (29.5 ft)	Mast Base
	12.0 m (39.4 ft)	Insert Mast
	10.0 m (32.8 ft)	Mast Top

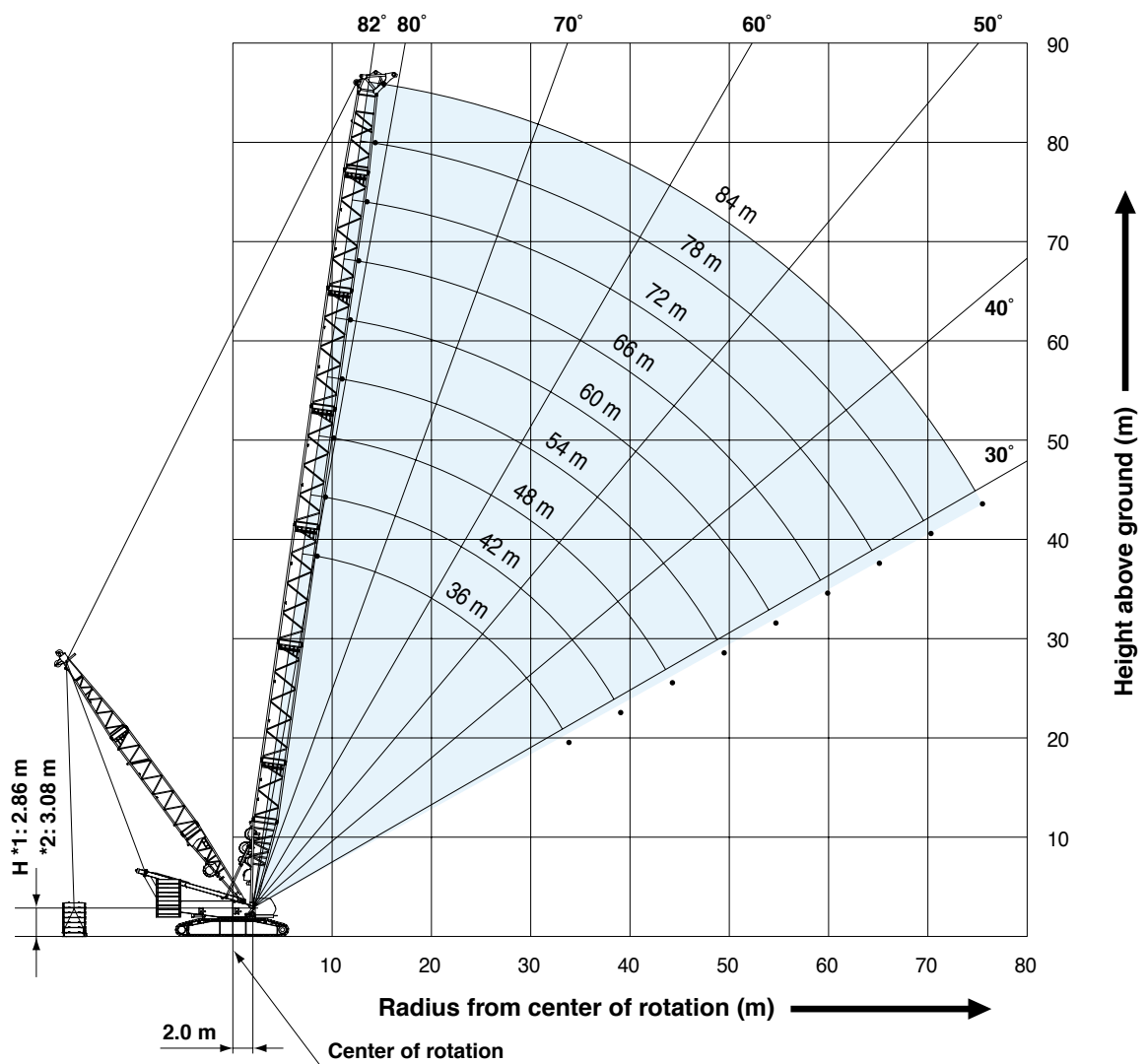
SUPER HEAVY LIFT

WORKING RANGES

Heavy Duty Crane Boom



Luffing Boom

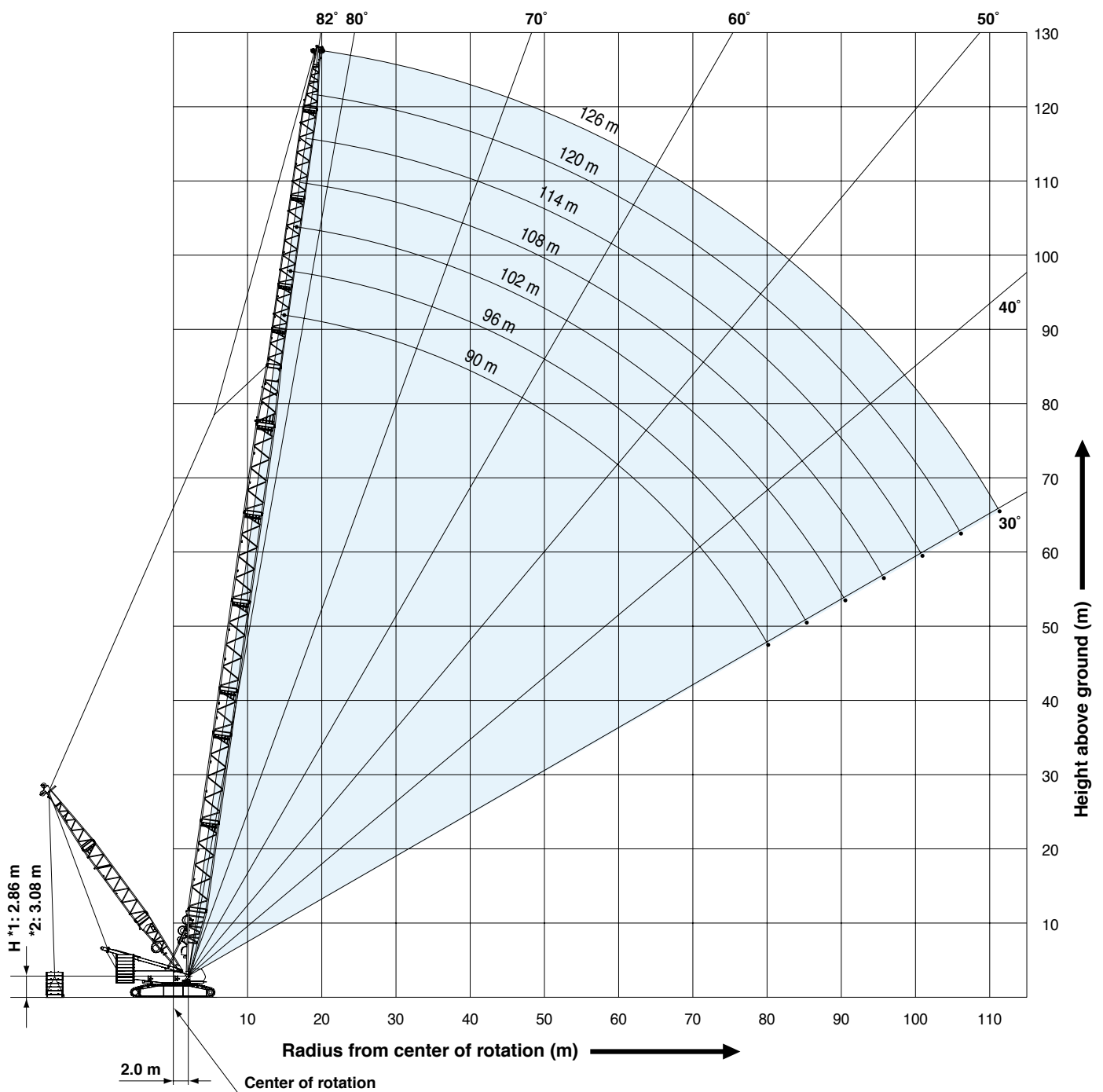


1: Without upper/lower connecting device
2: With upper/lower connecting device

SUPER HEAVY LIFT

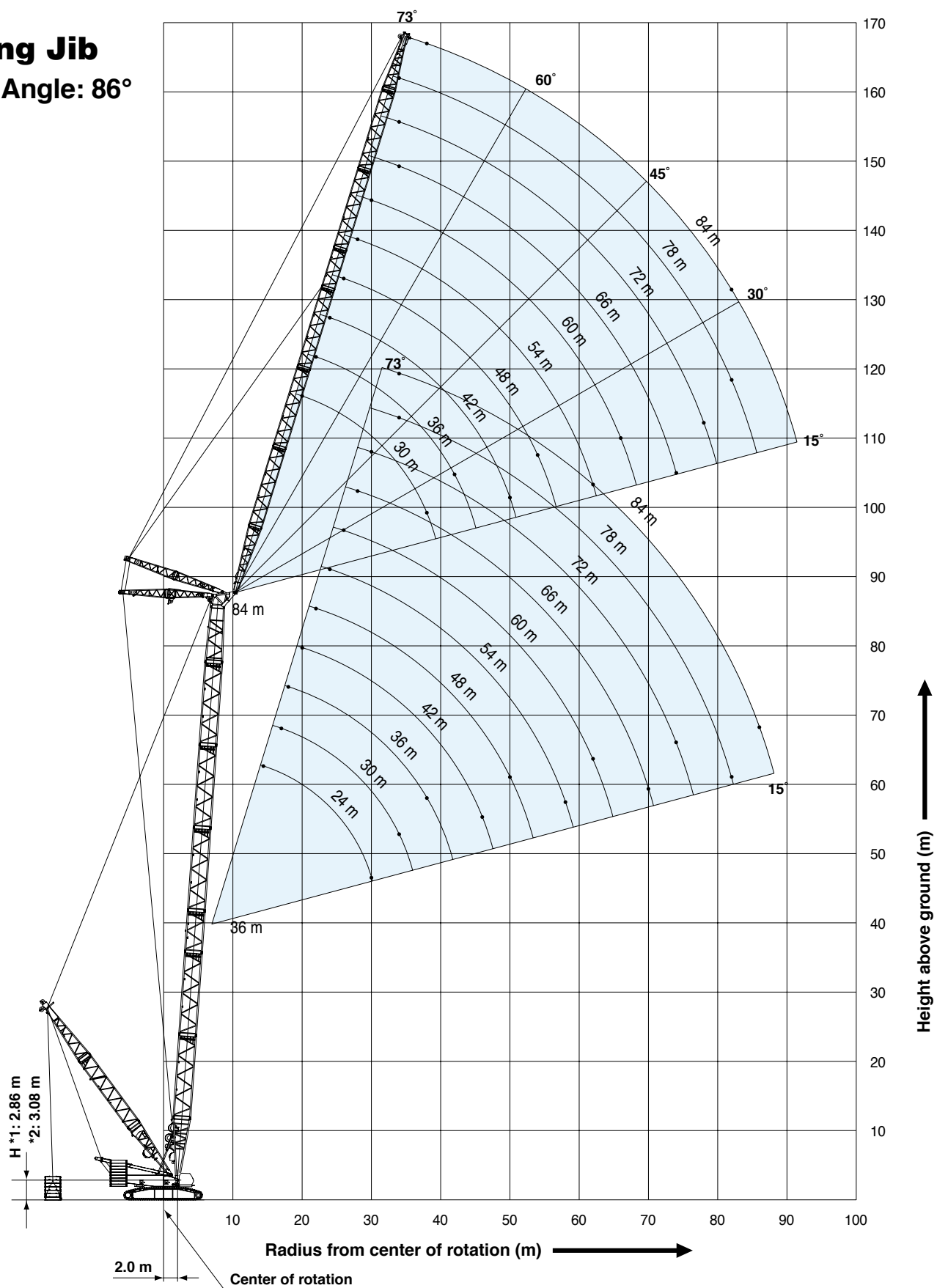
WORKING RANGES

Long Boom



1: Without upper/lower connecting device
2: With upper/lower connecting device

Luffing Jib Boom Angle: 86°



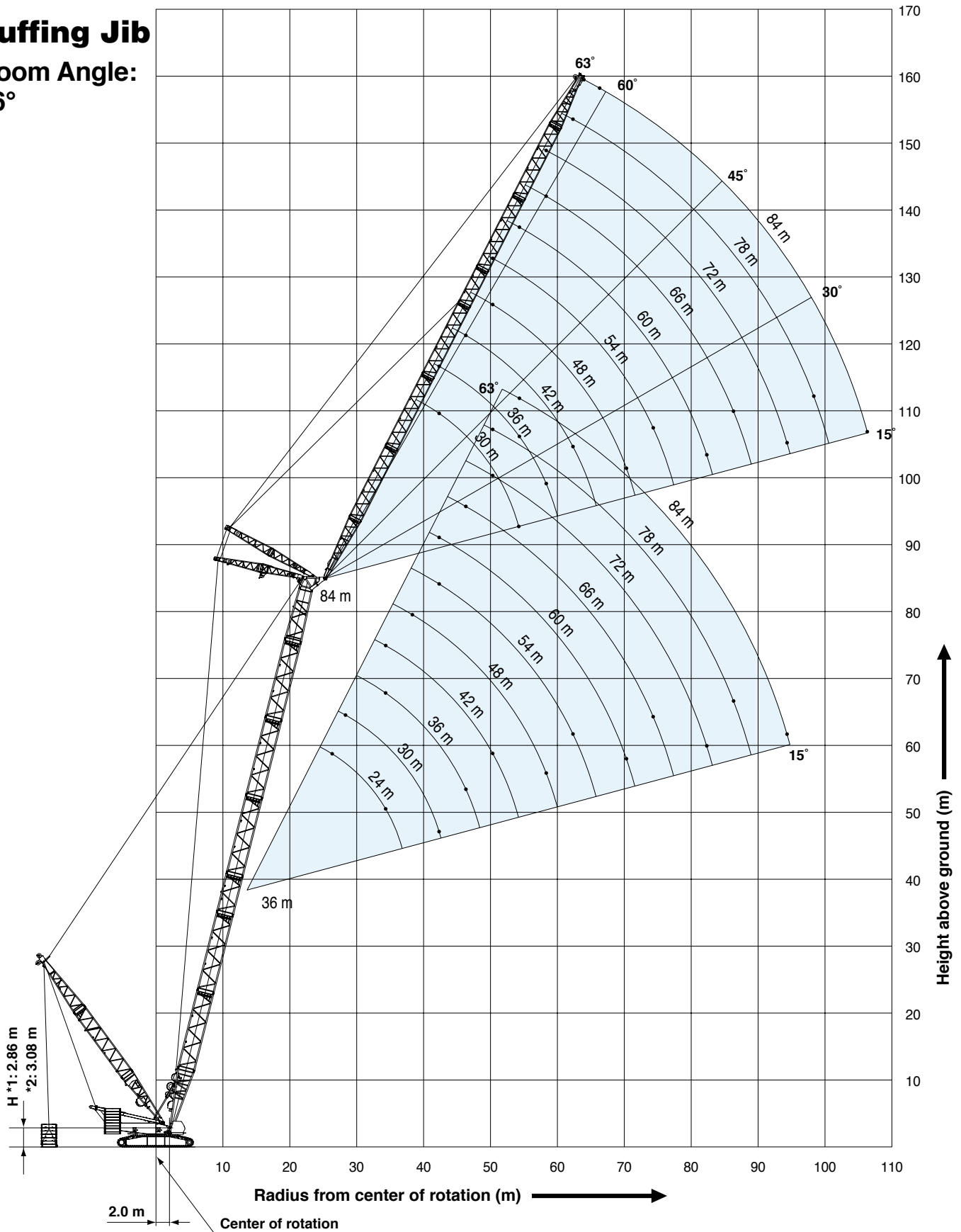
1: Without upper/lower connecting device
2: With upper/lower connecting device

SUPER HEAVY LIFT

WORKING RANGES

Luffing Jib

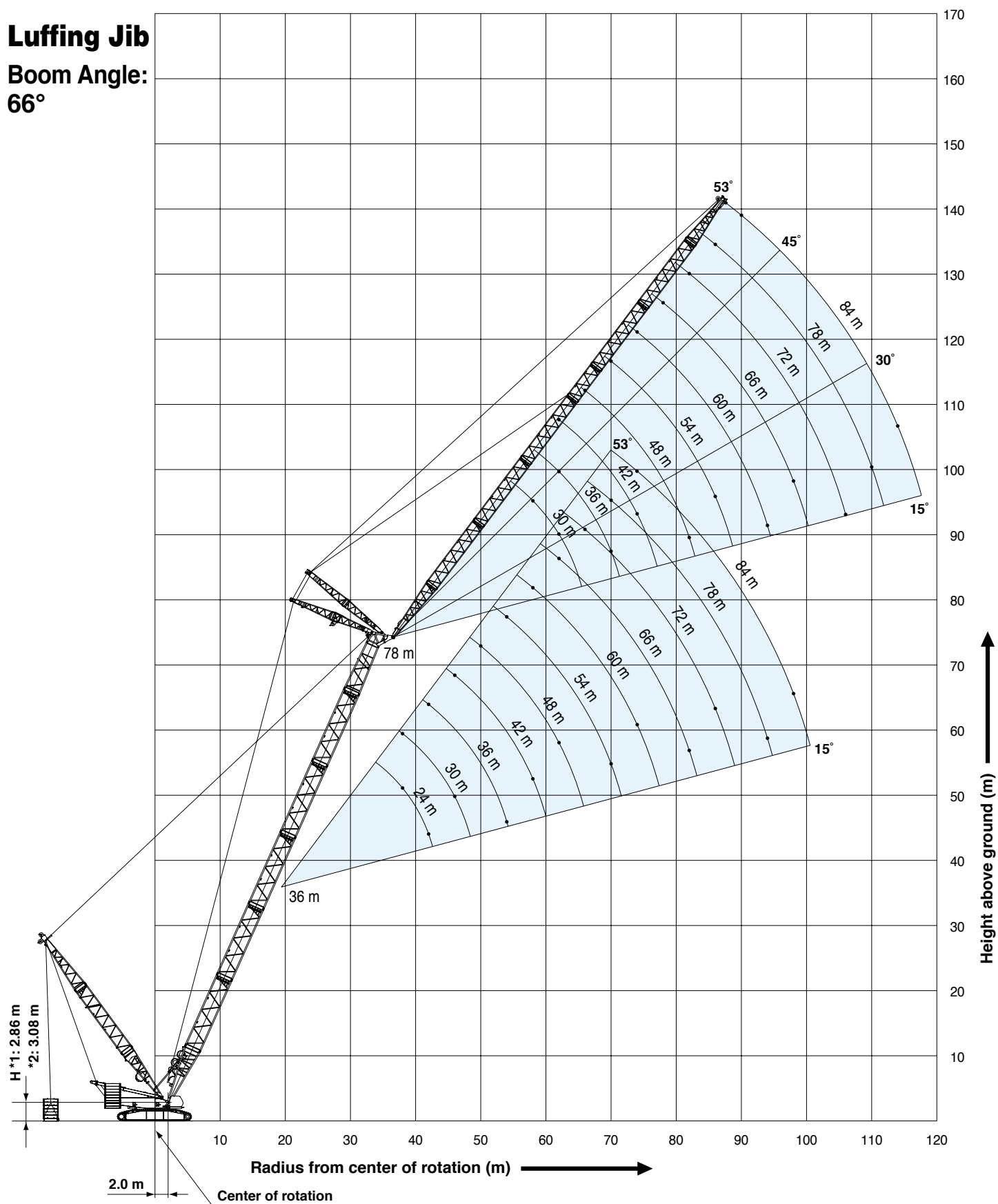
Boom Angle:
76°



1: Without upper/lower connecting device
2: With upper/lower connecting device

Luffing Jib

Boom Angle:
66°



1: Without upper/lower connecting device
2: With upper/lower connecting device

SUPER HEAVY LIFT

LIFTING CAPACITIES

Heavy Duty Crane Boom

Lifting Capacities

Unit: ton

Counterweight: 180.0 ton
Carbody weight: 50.0 ton
Pallet weight: 250.0 ton x 11 m

Working Radius (m)	Boom Length (m)	36.0	42.0	Boom Length (m)	Working Radius (m)
8.0	8.3 m/550.0			8.0	
9.0	544.9	9.2 m/523.4		9.0	
10.0	511.1	510.0		10.0	
12.0	428.0	427.0		12.0	
14.0	367.7	366.6		14.0	
16.0	321.8	320.8		16.0	
18.0	285.5	284.9		18.0	
20.0	255.6	255.9		20.0	
22.0	228.2	228.5		22.0	
24.0	205.8	206.0		24.0	
26.0	187.2	187.3		26.0	
28.0	170.5	171.4		28.0	
30.0	154.2	157.8		30.0	
32.0	139.6	146.0		32.0	
34.0	33.8 m/127.4	135.7		34.0	
36.0		126.3		36.0	
38.0		115.7		38.0	
40.0		39.0 m/110.5		40.0	
Reeves	44	44		Reeves	

Unit: ton

Counterweight: 180.0 ton
Carbody weight: 50.0 ton
Pallet weight: 250.0 ton x 13 m

Working Radius (m)	Boom Length (m)	36.0	42.0	Boom Length (m)	Working Radius (m)
8.0	8.3 m/550.0			8.0	
9.0	544.9	9.2 m/526.0		9.0	
10.0	537.4	519.0		10.0	
12.0	461.6	460.5		12.0	
14.0	396.6	395.6		14.0	
16.0	347.3	346.3		16.0	
18.0	308.5	307.6		18.0	
20.0	277.3	276.4		20.0	
22.0	250.3	250.5		22.0	
24.0	225.9	226.0		24.0	
26.0	204.5	205.6		26.0	
28.0	184.3	188.4		28.0	
30.0	166.7	173.6		30.0	
32.0	151.0	160.7		32.0	
34.0	33.8 m/137.7	149.1		34.0	
36.0		136.6		36.0	
38.0		125.1		38.0	
40.0		39.0 m/119.5		40.0	
Reeves	44	44		Reeves	

Unit: ton

Counterweight: 180.0 ton
Carbody weight: 50.0 ton
Pallet weight: 250.0 ton x 16 m

Working Radius (m)	Boom Length (m)	36.0	42.0	Boom Length (m)	Working Radius (m)
8.0	8.3 m/550.0			8.0	
9.0	544.9	9.2 m/527.3		9.0	
10.0	537.4	519.9		10.0	
12.0	511.5	503.7		12.0	
14.0	439.6	438.8		14.0	
16.0	385.3	384.2		16.0	
18.0	342.4	341.4		18.0	
20.0	307.9	306.9		20.0	
22.0	279.5	278.5		22.0	
24.0	250.7	253.5		24.0	
26.0	224.9	230.9		26.0	
28.0	201.5	211.7		28.0	
30.0	178.8	195.2		30.0	
32.0	157.9	179.2		32.0	
34.0	33.8 m/139.6	164.0		34.0	
36.0		148.3		36.0	
38.0		132.8		38.0	
40.0		39.0 m/124.8		40.0	
Reeves	44	44		Reeves	

Note:

Designed and rated to comply with EN13000.

Ratings shown in are determined by the strength of the boom or other structural components.

Long Boom Lifting Capacities

Unit: ton

Counterweight: 180.0 ton, Carbody weight: 50.0 ton
Pallet weight: 250.0 ton x 11 m, 13 m, 16 m

Working Radius (m)	Boom Length (m)	90.0	96.0	102.0	108.0	114.0	120.0	126.0	Boom Length (m)	Working Radius (m)
14.0	15.0 m/98.0	15.8 m/98.0							14.0	
16.0	98.0	98.0	16.6 m/84.0	17.5 m/84.0					16.0	
18.0	98.0	98.0	84.0	84.0	18.3 m/80.0	19.2 m/70.0			18.0	
20.0	98.0	98.0	84.0	84.0	79.4	70.0	20.0 m/60.0		20.0	
22.0	98.0	98.0	84.0	84.0	78.7	70.0	59.3		22.0	
24.0	98.0	98.0	84.0	84.0	78.0	69.3	58.5		24.0	
26.0	98.0	97.7	84.0	83.9	77.3	68.7	57.8		26.0	
28.0	98.0	93.1	84.0	80.1	76.6	68.0	57.0		28.0	
30.0	98.0	89.0	84.0	76.6	75.9	67.3	53.8		30.0	
32.0	96.3	84.2	84.0	73.2	75.2	66.0	51.1		32.0	
34.0	92.7	79.8	84.0	69.9	72.2	63.0	48.4		34.0	
36.0	89.2	74.9	81.1	66.4	69.3	60.2	45.7		36.0	
38.0	86.0	69.8	77.3	62.9	66.5	57.8	43.4		38.0	
40.0	83.4	65.0	74.8	60.1	63.7	55.1	41.9		40.0	
44.0	75.9	55.7	68.2	54.8	58.8	50.3	39.4		44.0	
48.0	69.2	48.1	63.0	51.3	53.4	47.2	37.0		48.0	
52.0	64.2	43.8	58.4	47.6	50.3	44.5	34.7		52.0	
56.0	59.6	40.7	54.2	44.6	47.7	42.3	32.7		56.0	
60.0	55.4	38.1	50.1	41.8	45.1	40.2	31.0		60.0	
64.0	52.4	36.0	47.1	38.9	42.7	38.4	29.6		64.0	
68.0	50.2	34.5	45.0	36.5	40.9	36.9	28.4		68.0	
72.0	48.1	33.3	42.8	34.6	39.2	35.6	27.4		72.0	
76.0	46.3	32.2	41.0	33.0	37.6	34.3	26.5		76.0	
80.0	80.1 m/44.2	31.4	38.9	31.2	36.1	33.3	25.8		80.0	
84.0		30.8	37.9	30.3	35.1	32.4	25.1		84.0	
88.0		85.3 m/30.6	36.9	29.3	34.3	31.7	24.6		88.0	
92.0			90.5 m/36.2	28.5	33.6	31.1	23.9		92.0	
96.0				95.7 m/28.0	32.9	30.5	23.5		96.0	
100.0					30.9	30.1	22.9		100.0	
104.0					100.9 m/30.4	28.2	22.3		104.0	
108.0						106.1 m/27.2	22.0		108.0	
112.0							111.3 m/21.8		112.0	
Reeves	7	7	6	6	6	5	5		Reeves	

Note:

Designed and rated to comply with EN13000.

Ratings shown in are determined by the strength of the boom or other structural components.

Luffing Boom Lifting Capacities

Unit: ton

Counterweight: 180.0 ton, Carbody weight: 50.0 ton
Pallet weight: 250.0 ton x 13 m

Working Radius (m)	Boom Length (m)	36.0			42.0			48.0			54.0			60.0			Boom Length (m)	Working Radius (m)
		Palette weight			Palette weight			Palette weight			Palette weight			Palette weight				
		11 m	13 m	16 m	11 m	13 m	16 m	11 m	13 m	16 m	11 m	13 m	16 m	11 m	13 m	16 m		
8.0	8.5 m/300.0	8.5 m/300.0	8.5 m/300.0													8.0		
9.0	300.0	300.0	300.0	9.3 m/300.0	9.3 m/300.0	9.3 m/300.0										9.0		
10.0	300.0	300.0	300.0	300.0	300.0	300.0	10.2 m/300.0	10.2 m/300.0	10.2 m/300.0	11.0 m/280.0	11.0 m/280.0	11.0 m/280.0	11.8 m/280.0	11.8 m/280.0	11.8 m/280.0	10.0		
12.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	280.0	280.0	280.0	280.0	280.0	280.0	12.0		
14.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	280.0	280.0	280.0	280.0	280.0	280.0	14.0		
16.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	300.0	280.0	280.0	280.0	280.0	280.0	280.0	16.0		
18.0	283.9	300.0	300.0	282.9	300.0	300.0	281.9	300.0	300.0	280.0	280.0	280.0	279.7	280.0	280.0	18.0		
20.0	253.4	275.4	300.0	253.8	274.4	300.0	252.9	273.4	300.0	251.7	272.2	280.0	250.7	271.3	280.0	20.0		
22.0	226.0	248.1	277.5	226.3	248.3	276.6	226.3	247.7	275.6	225.8	246.5	274.4	225.6	245.6	273.5	22.0		
24.0	203.6	223.7	248.9	203.8	223.8	251.3	203.7	223.6	251.0	203.2	223.1	250.2	203.0	222.7	249.7	24.0		
26.0	185.0	202.5	223.0	185.1	203.4	228.6	184.9	203.2	228.3	184.4	202.6	227.5	184.1	202.2	227.1	26.0		
28.0	168.6	182.3	199.8	169.2	186.2	209.5	169.0	185.9	209.1	168.4	185.2	208.3	168.1	184.8	207.8	28.0		
30.0	152.2	164.7	177.0	155.6	171.4	193.0	155.4	171.1	192.6	154.8	170.4	191.9	154.4	170.0	191.3	30.0		
32.0	137.6	149.0	156.1	143.8	158.5	177.2	143.6	158.2	178.4	142.9	157.5	177.6	142.5	157.1	177.0	32.0		
34.0	33.9 m/124.8	33.9 m/135.1	33.9 m/136.8	133.5	147.1	161.9	133.2	147.0	165.9	132.6	146.3	165.1	132.1	145.8	164.5	34.0		
36.0				124.2	134.5	146.4	124.1	137.1	154.9	123.4	136.3	154.1	123.0	135.8	153.5	36.0		
38.0				113.6	123.0	130.7	116.0	128.2	145.1	115.3	127.5	144.3	114.8	127.0	143.7	38.0		
40.0				39.1 m/107.9	39.1 m/116.9	39.1 m/122.1	108.7	120.3	134.3	108.0	119.6	135.5	107.5	119.1	134.9	40.0		
42.0							102.1	112.4	123.2	101.4	112.4	127.6	101.0	112.0	127.0	42.0		
44.0							95.5	103.6	111.0	95.5	106.0	120.4	95.0	105.5	119.9	44.0		
46.0							44.3 m/94.2	44.3 m/102.2	44.3 m/109.1	90.1	100.1	113.1	89.6	99.6	113.4	46.0		
48.0										85.2	94.7	104.6	84.7	94.3	107.4	48.0		
50.0										49.5 m/81.7	49.5 m/89.7	49.5 m/97.3	80.2	89.4	102.0	50.0		
52.0													76.0	84.8	96.9	52.0		
54.0													72.1	80.6	90.0	54.0		
56.0													54.7 m/70.8	54.7 m/79.2	54.7 m/87.2	56.0		
Reeves	24	24	24	24	24	24	24	24	24	20	20	20	20	20	20	Reeves		

Working Radius (m)	Boom Length (m)	66.0			72.0			78.0			84.0			Boom Length (m)	Working Radius (m)
		Palette weight			Palette weight			Palette weight			Palette weight				
		11 m	13 m	16 m	11 m	13 m	16 m	11 m	13 m	16 m	11 m	13 m	16 m		
12.0		12.7 m/280.0	12.7 m/280.0	12.7 m/280.0	13.5 m/252.0	13.5 m/252.0	13.5 m/252.0								12.0
14.0		280.0	280.0	280.0	252.0	252.0	252.0	14.3 m/213.5	14.3 m/213.5	14.3 m/213.5	15.2 m/182.8	15.2 m/182.8	15.2 m/182.8		14.0
16.0		280.0	280.0	280.0	252.0	252.0	252.0	213.5	213.5	213.5	182.8	182.8	182.8		16.0
18.0		278.4	280.0	280.0	252.0	252.0	252.0	213.5	213.5	213.5	182.8	182.8	182.8		18.0
20.0		249.4	269.9	280.0	248.1	252.0	252.0	213.5	213.5	213.5	182.8	182.8	182.8		20.0
22.0		224.9	244.3	272.2	224.1	243.0	252.0	213.5	213.5	213.5	182.8	182.8	182.8		22.0
24.0		202.2	221.9	248.4	201.4	221.0	247.1	200.8	213.5	213.5	182.8	182.8	182.8		24.0
26.0		183.3	201.3	226.1	182.4	200.4	225.1	181.7	199.7	213.5	180.8	182.8	182.8		26.0
28.0		167.2	184.0	206.8	166.3	183.0	205.8	165.7	182.3	205.0	164.7	181.2	182.8		28.0
30.0		153.5	169.1	190.3	152.6	168.1	189.3	151.9	167.3	188.5	150.9	166.3	182.5		30.0
32.0		141.6	156.1	176.0	140.7	155.1	175.0	140.0	154.4	174.2	138.9	153.3	173.0		32.0
34.0		131.2	144.9	163.5	130.2	143.8	162.5	129.5	143.1	161.6	128.5	142.0	160.5		34.0
36.0		122.0	134.9	152.5	121.1	133.9	151.4	120.3	133.1	150.6	119.2	132.0	149.4		36.0
38.0		113.9	126.0	142.7	112.9	125.0	141.6	112.1	124.2	140.8	111.0	123.1	139.6		38.0
40.0		106.6	118.1	133.9	105.6	117.1	132.8	104.8	116.3	132.0	103.7	115.1	130.8		40.0
42.0		100.0	111.0	126.0	99.0	109.9	124.9	98.2	109.1	124.0	97.1	108.0	122.9		42.0
44.0		94.1	104.5	118.8	93.1	103.5	117.7	92.3	102.7	116.9	91.2	101.5	115.7		44.0
46.0		88.7	98.7	112.3	87.6	97.6	111.2	86.9	96.8	110.4	85.7	95.6	109.2		46.0
48.0		83.8	93.3	106.4	82.7	92.2	105.3	81.9	91.4	104.4	80.8	90.3	103.3		48.0
50.0		79.2	88.4	100.9	78.2	87.3	99.8	77.4	86.5	99.0	76.3	85.3	97.8		50.0
52.0		75.1	83.9	95.9	74.0	82.8	94.8	73.2	82.0	94.0	72.1	80.8	92.8		52.0
54.0		71.2	79.7	91.3	70.2	78.6	90.2	69.4	77.8	89.3	68.2	76.6	88.2		54.0
56.0		67.6	75.8	87.0	66.6	74.7	85.9	65.8	73.9	85.1	64.7	72.8	83.9		56.0
58.0		64.3	72.2	83.0	63.3	71.1	81.9	62.5	70.3	81.1	61.4	69.2	79.9		58.0
60.0		59.9 m/61.4	59.9 m/69.0	59.9 m/77.8	60.2	67.8	78.2	59.4	67.0	77.4	58.3	65.8	76.2		60.0
62.0					57.3	64.7	74.7	56.5	63.9	73.9	55.4	62.7	72.7		62.0
64.0					54.6	61.7	71.5	53.8	60.9	70.7	52.7	59.8	69.5		64.0
66.0					65.1 m/53.2	65.1 m/60.2	65.1 m/69.4	51.3	58.2	67.6	50.2	57.0	66.4		66.0
68.0								48.9	55.6	64.7	47.8	54.4	63.6		68.0
70.0								46.7	53.2	62.0	45.6	52.0	60.9		70.0
72.0								70.3 m/46.4	70.3 m/52.8	70.3 m/61.7	43.4	49.7	58.3		72.0
74.0											41.4	47.6	55.9		74.0
76.0											75.5 m/40.0	75.5 m/46.0	75.5 m/54.2		76.0
Reeves		20	20	20	20	20	20	16	16	16	16	16	16		Reeves

Note: Designed and rated to comply with EN13000.

Ratings shown in are determined by the strength of the boom or other structural components.

Ratings enclosed in gray-color box in the table require double-drum specifications.

SUPER HEAVY LIFT

LIFTING CAPACITIES Luffing Jib Lifting Capacity

Unit: ton

Counterweight: 180.0 ton, Carbody weight: 50.0 ton
Pallet weight: 130.0 ton x 16 m

36.0 m Boom Length	Boom length (m)		36.0																	Boom length (m)			
	Jib length (m)		24.0			42.0			54.0			66.0			78.0			84.0			Jib length (m)		
	Boom angle		86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle		
Working Radius (m)	14.0	14.4m/200.0																			14.0		
	15.0	193.2																			15.0		
	16.0	181.9																			16.0		
	17.0	175.5																			17.0		
	18.0	169.5																			18.0		
	20.0	163.4				139.6															20.0		
	22.0	158.1				133.8															22.0		
	24.0	155.5				126.8			101.5												24.0		
	26.0	145.9	154.6			120.7			99.3												26.0		
	28.0	129.4	149.5			115.5			97.1			76.0									28.0		
	30.0	98.3	143.8			111.2			94.4			74.1									30.0		
	34.0		125.2			104.4	105.8		88.2			72.1			54.8			48.4			34.0		
	38.0			105.7	89.9	101.8		81.9			69.5			53.1			47.2				38.0		
	42.0			94.6	78.0	95.6		75.6	78.9		65.6			51.2			45.8				42.0		
	46.0				64.8	86.7	82.3	69.4	78.9		61.7	68.8		49.0			42.7				46.0		
	50.0					78.8	74.8	63.7	76.1		58.1	68.8		46.6	52.0		39.7				50.0		
	54.0						68.4	56.8	70.4	66.5	53.9	67.7		44.6	50.0		37.0	39.9			54.0		
	58.0						63.0	45.3	64.7	61.1	48.0	59.8		42.2	46.8		34.5	38.3			58.0		
	62.0								58.5	56.4	42.9	53.2	53.3	39.7	44.0		32.3	35.9			62.0		
	66.0											52.3	38.4	47.6	50.0	37.4	41.4		30.3	33.6		66.0	
	70.0										48.7	32.1	42.7	46.4	35.1	39.1	39.0	28.5	31.6			70.0	
	74.0												38.3	43.2	31.6	37.0	39.0	26.8	29.7	31.9		74.0	
	78.0													40.4	28.5	34.9	38.6	25.3	28.1	31.0		78.0	
	82.0													37.5	23.5	31.5	36.0	22.8	26.5	29.3		82.0	
	86.0															28.5	33.7	19.1	25.1	27.7		86.0	
	90.0																30.8		23.8	26.3		90.0	
	94.0																27.8		22.6	24.9		94.0	
	98.0																			23.8		98.0	
	Reeves		16				12			8			8			8			8			Reeves	

42.0 m Boom Length	Boom length (m)		42.0																	Boom length (m)			
	Jib length (m)		24.0			42.0			54.0			66.0			78.0			84.0			Jib length (m)		
	Boom angle		86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle		
Working Radius (m)	15.0	15.4m/190.6																			15.0		
	16.0	187.1																			16.0		
	17.0	181.8																			17.0		
	18.0	177.2																			18.0		
	20.0	169.7																			20.0		
	22.0	164.4				127.7															22.0		
	24.0	158.2				122.6			94.1												24.0		
	26.0	146.3				117.2			93.1												26.0		
	28.0	132.6	153.0			111.8			90.6			74.9									28.0		
	30.0	108.4	141.7			106.2			87.7			73.6									30.0		
	34.0		123.3			95.3			81.5			70.4			52.0			46.2			34.0		
	38.0		109.0	102.9	85.2	102.4		75.1			66.7			50.2			44.9				38.0		
	42.0			92.1	76.4	94.5		68.8	84.5		62.8			48.1			43.3				42.0		
	46.0				67.6	85.3		62.9	83.4		58.9	72.9		45.8			41.6				46.0		
	50.0					77.5	72.6	57.5	75.7		54.9	72.9		43.1			39.7				50.0		
	54.0					70.9	66.4	52.6	69.1		51.1	66.9		41.1	49.7		37.2	41.6			54.0		
	58.0						61.1	47.2	63.5	59.2	47.5	61.3		38.8	47.9		34.7	39.8			58.0		
	62.0						56.5		58.7	54.6	43.2	54.9	52.2	36.5	44.9		32.5	37.1			62.0		
	66.0								51.6	50.6	38.7	49.0	48.2	34.3	42.3		30.4	34.7			66.0		
	70.0									47.1	33.5	43.9	44.7	32.2	39.9	42.8	28.6	32.6			70.0		
	74.0									44.0			39.4	41.6	30.3	37.7	39.8	26.9	30.6	33.1		74.0	
	78.0												35.3	38.9	28.5	35.7	37.0	25.3	28.8	32.1		78.0	
	82.0													36.4	24.7	32.6	34.6	21.5	27.2	30.3		82.0	
	86.0															29.5	32.3	17.6	25.7	28.6		86.0	
	90.0															26.5	30.3		24.3	27.1		90.0	
	94.0																28.4		23.1	25.7		94.0	
	98.0																			24.4		98.0	
	102.0																			23.3		102.0	
	Reeves		16				12			8			8			8			8			Reeves	

Note: Designed and rated to comply with EN13000.

Ratings shown in are determined by the strength of the boom or other structural components.
Ratings enclosed in gray-color box in the table require double-drum specifications.

Luffing Jib Lifting Capacity

Counterweight: 180.0 ton, Carbody weight: 50.0 ton
Pallet weight: 130.0 ton x 16 m

Unit: ton

48.0 m Boom Length	Boom length (m)		48.0																		Boom length (m)				
	Jib length (m)		24.0			42.0			54.0			66.0			78.0			84.0			Jib length (m)				
	Boom angle		86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle				
(m)	Working Radius	16.0	162m/190.8																			16.0	Working Radius (m)		
		17.0	186.6																			17.0			
		18.0	181.8																					18.0	
		20.0	174.2																					20.0	
		22.0	165.1				119.4																	22.0	
		24.0	152.8				114.7			90.2															24.0
		26.0	141.6				109.7			88.0															26.0
		28.0	131.6	150.5		104.5			85.4			67.3													28.0
		30.0	117.7	139.4		99.4			82.7			66.0													30.0
		34.0		121.3		89.4			76.9			62.9			49.7			44.1							34.0
		38.0		107.2		80.1	104.0		70.8			59.5			47.9			42.8							38.0
		42.0			89.4	71.9	92.8		64.9	88.9		55.8			45.8			41.3							42.0
		46.0			80.8	64.9	83.7		59.3	81.8		52.0			43.6			39.6							46.0
		50.0					76.1	70.2	54.3	74.2		48.4	70.5		41.3			37.6							50.0
		54.0					69.6	64.2	49.7	67.8		44.6	65.5		39.0	50.9		36.0							54.0
		58.0						59.1	45.8	62.3	57.1	41.7	60.0		36.7	49.0		34.1	39.0						58.0
		62.0						54.7		57.5	52.7	38.8	55.3		34.5	45.9		32.3	37.5						62.0
		66.0								53.4	48.8	36.1	51.1	46.3	32.4	43.1		30.5	35.1						66.0
		70.0									45.4	33.8	45.9	43.0	30.4	40.6		28.7	32.9						70.0
		74.0									42.4			41.2	40.0	28.6	38.4	38.1	27.0	31.0					74.0
		78.0											36.9	37.3	26.9	36.3	35.4	24.7	29.1	32.2					78.0
		82.0												34.9	24.6	33.7	33.0	20.1	27.5	31.3					82.0
		86.0												32.7		30.5	30.8	16.1	26.0	29.5					86.0
		90.0														27.5	28.9		24.6	27.9					90.0
		94.0															27.1		23.3	26.2					94.0
		98.0															25.4			24.6					98.0
		102.0																		23.1					102.0
		Reeves		16			12			8			8			8			8			Reeves			

54.0 m Boom Length	Boom length (m)		54.0																		Boom length (m)			
	Jib length (m)		24.0			42.0			54.0			66.0			78.0			84.0			Jib length (m)			
	Boom angle		86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle			
Working Radius (m)	17.0		191.0																		17.0			
	18.0		179.8																		18.0			
	20.0		167.2																		20.0			
	22.0		155.0				110.4														22.0			
	24.0		143.6				105.9														24.0			
	26.0		133.0				101.2			80.7											26.0			
	28.0		123.6				96.3			78.2			63.1								28.0			
	30.0		115.5	136.7			91.5			75.6			61.8								30.0			
	34.0			118.9			82.1			69.9			58.7			46.9			42.0		34.0			
	38.0			105.1			73.5	101.8		64.2			55.2			45.1			40.6		38.0			
	42.0				86.4	65.9	90.9			58.7			51.6			42.9			39.0		42.0			
	46.0				78.0	59.4	81.9			53.6	79.9			48.0			40.7		37.3		46.0			
	50.0						74.4			48.9	72.5			44.5	67.1			38.4		35.4		50.0		
	54.0						68.1	61.8	44.8	66.2			41.2	63.9			36.1	50.6		33.6		54.0		
	58.0						62.7	56.8	41.2	60.9			38.2	58.5			33.9	49.9		31.7	40.0	58.0		
	62.0							52.5			56.2	50.5	35.4	53.9			31.7	46.9		29.9	38.4	62.0		
	66.0							48.7			52.1	46.7	32.9	49.8			29.7	44.0		28.1	35.9	66.0		
	70.0											43.4	30.7	46.3	40.9		27.8	41.4		26.5	33.6	70.0		
	74.0											40.5		42.3	38.1		26.1	39.1	36.1	24.9	31.6	74.0		
	78.0											37.9		37.9	35.5		24.5	37.0	33.5	23.3	29.7	32.6	78.0	
	82.0														33.2		23.0	34.9	31.2	18.6	28.0	30.3	82.0	
	86.0														31.1			31.5	29.2	14.6	26.5	28.3	86.0	
	90.0														29.1			28.5	27.3		25.0	26.4	90.0	
	94.0																		25.5		23.7	24.7	94.0	
	98.0																		24.0		19.2	23.1	98.0	
	102.0																		22.5			21.7	102.0	
	106.0																					20.3	106.0	
	Reeves		16			8			8			8			8			8			Reeves			

Note: Designed and rated to comply with EN13000.

Ratings shown in are determined by the strength of the boom or other structural components.

Ratings enclosed in gray-color box in the table require double-drum specifications.

SUPER HEAVY LIFT

LIFTING CAPACITIES Luffing Jib Lifting Capacity

Unit: ton

Counterweight: 180.0 ton, Carbody weight: 50.0 ton
Pallet weight: 130.0 ton x 16 m

60.0 m Boom Length	60.0																	Boom length (m)		
	24.0			42.0			54.0			66.0			78.0			84.0			Boom length (m)	
	Jib length (m)			Jib length (m)			Jib length (m)			Jib length (m)			Jib length (m)			Jib length (m)			Jib length (m)	
	Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle
Working Radius (m)	17.0	17.8m/162.3																		17.0
	18.0	161.4																		18.0
	20.0	150.8																		20.0
	22.0	140.5			103.2															22.0
	24.0	130.7			99.1															24.0
	26.0	121.7			94.8			76.5												26.0
	28.0	113.5			90.4			74.2												28.0
	30.0	106.4			86.0			71.7			58.2									30.0
	34.0		116.7		77.4			66.4			55.3			44.5			40.0			34.0
	38.0		103.1		69.5			61.0			52.1			42.7			38.6			38.0
	42.0		92.3		62.5	89.0		55.9			48.7			40.7			37.1			42.0
	46.0			75.3	56.6	80.2		51.1	78.2		45.3			38.5			35.4			46.0
	50.0			68.6		72.9		46.7	70.9		42.0	63.5		36.3			33.6			50.0
	54.0					66.7		42.8	64.7		38.9	61.9		34.0			31.9			54.0
	58.0					61.4	54.6	39.5	59.5		36.1	57.1		32.0	47.6		30.1	41.6		58.0
	62.0						50.4		54.9	48.3	33.5	52.5		30.0	46.3		28.3	39.8		62.0
	66.0						46.8		50.9	44.7	31.1	48.6		28.1	44.9		26.6	37.1		66.0
	70.0							47.4	41.6	29.1	45.1	39.0	26.3	42.2			25.1	34.7		70.0
	74.0								38.7			42.0	36.2	24.7	39.8		23.6	32.5		74.0
	78.0								36.2			39.2	33.7	23.2	37.4	31.7	21.8	30.5		78.0
	82.0										35.2	31.5	21.4	34.9	29.5	17.1	28.7	28.6		82.0
	86.0											29.5		32.6	27.5	13.1	27.1	26.5		86.0
	90.0											27.6		29.5	25.7		25.6	24.8		90.0
	94.0													26.3	24.1		24.2	23.2		94.0
	98.0														22.5		19.3	21.7		98.0
	102.0														21.1			20.3		102.0
	106.0																	19.0		106.0
	110.0																	17.8		110.0
	Reeves	12			8			8			8			8			8			Reeves

66.0 m Boom Length	66.0																	Boom length (m)		
	24.0			42.0			54.0			66.0			78.0			84.0			Boom length (m)	
	Jib length (m)			Jib length (m)			Jib length (m)			Jib length (m)			Jib length (m)			Jib length (m)			Jib length (m)	
	Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle
Working Radius (m)	18.0	18.5m/144.7																		18.0
	20.0	137.9																		20.0
	22.0	128.7			95.3															22.0
	24.0	120.0			91.5															24.0
	26.0	111.9			87.5			71.3												26.0
	28.0	104.5			83.3			68.1												28.0
	30.0	98.0			79.2			66.6			55.1									30.0
	34.0		114.0		71.4			61.6			52.2			41.9						34.0
	38.0		100.7		64.1			56.6			49.0			40.1			35.9			38.0
	42.0		90.1		57.7	86.8		51.7			45.7			38.1			34.4			42.0
	46.0				52.3	78.2		47.3	76.1		42.4			36.0			32.7			46.0
	50.0			65.6		71.0		43.2	69.0		39.3			33.8			31.0			50.0
	54.0			60.2		64.9		39.6	63.0		36.4	59.1		31.7			29.3			54.0
	58.0					59.8	52.0	36.5	57.8		33.7	55.4		29.7	45.1		27.5			58.0
	62.0						48.0		53.4		31.2	51.0		27.7	44.0		25.9	39.1		62.0
	66.0						44.5		49.5	42.4	29.1	47.1		25.9	42.5		24.3	37.6		66.0
	70.0						41.4		46.0	39.3	27.1	43.7		24.2	41.7		22.8	35.1		70.0
	74.0									36.6		40.6	34.1	22.7	38.8		21.4	32.9		74.0
	78.0									34.2		37.9	31.7	21.4	36.1		20.1	30.9		78.0
	82.0									32.1		35.5	29.6	19.6	33.7	27.5	15.6	29.1		82.0
	86.0											27.6			31.5	25.6	11.6	27.5	24.7	86.0
	90.0											25.9			29.5	23.9	8.3	25.9	23.0	90.0
	94.0											24.3			26.2	22.3		24.5	21.4	94.0
	98.0															20.9		19.1	20.0	98.0
	102.0															19.5			18.7	102.0
	106.0															18.3			17.4	106.0
	110.0																	16.3		110.0
	Reeves	12			8			8			8			8			8			Reeves

Note: Designed and rated to comply with EN13000.

Ratings shown in are determined by the strength of the boom or other structural components.

Ratings enclosed in gray-color box in the table require double-drum specifications.

Luffing Jib Lifting Capacity

Counterweight: 180.0 ton, Carbody weight: 50.0 ton
Pallet weight: 130.0 ton x 16 m

Unit: ton

72.0 m Boom Length	72.0																		Boom length (m)	
	24.0			42.0			54.0			66.0			78.0			84.0			Boom length (m)	
	Jib length (m)			Jib length (m)			Jib length (m)			Jib length (m)			Jib length (m)			Jib length (m)			Jib length (m)	
	Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle
Working Radius (m)	18.0	19.2m/130.3																		18.0
	20.0	127.2																		20.0
	22.0	119.3																		22.0
	24.0	111.7			84.5															24.0
	26.0	104.5			80.9			66.6												26.0
	28.0	98.0			77.3			64.6												28.0
	30.0	92.2			73.6			62.4			51.2									30.0
	34.0		111.2		66.6			57.8			48.5			39.5						34.0
	38.0		98.2		60.1			53.2			45.6			37.8			33.8			38.0
	42.0		87.9		54.3	84.4		48.8			42.5			35.9			32.4			42.0
	46.0				49.3	76.0		44.7			39.5			33.9			30.8			46.0
	50.0			62.5	45.4	69.0		40.9	67.0		36.7			31.9			29.2			50.0
	54.0			57.3		63.1		37.6	61.1		34.0	54.9		29.9			27.4			54.0
	58.0					58.1		34.7	56.1		31.6	51.3		28.0	42.7		25.9			58.0
	62.0					53.7	45.4		51.8		29.2	49.3		26.2	41.8		24.3	37.0		62.0
	66.0						42.1		47.9		27.2	45.5		24.5	40.4		22.9	36.2		66.0
	70.0						39.1		44.6	37.0	25.5	42.2		22.9	39.7		21.5	35.8		70.0
	74.0						36.5		41.6	34.4		39.3		21.5	37.4		19.9	33.7		74.0
	78.0									32.1		36.6	29.5	20.2	34.8		18.3	31.6		78.0
	82.0									30.1		34.2	27.5	17.6	32.4	25.5	13.9	29.7		82.0
	86.0									28.2			25.7		30.3	23.6	10.0	28.0	22.7	86.0
	90.0												24.0		28.3	22.0		26.4	21.1	90.0
	94.0												22.5		25.6	20.5		24.8	19.6	94.0
	98.0															19.1		18.7	18.2	98.0
	102.0															17.9		13.1	17.0	102.0
	106.0															16.7			15.8	106.0
	110.0																		14.7	110.0
	114.0																		13.7	114.0
	Reeves		12			8			8			8			8			8		Reeves

78.0 m Boom Length	78.0																		Boom length (m)	
	30.0			42.0			54.0			66.0			78.0			84.0			Boom length (m)	
	Jib length (m)			Jib length (m)			Jib length (m)			Jib length (m)			Jib length (m)			Jib length (m)			Jib length (m)	
	Boom angle	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle
Working Radius (m)	20.0	20.6m/102.8																		20.0
	22.0	99.2																		22.0
	24.0	93.8			77.9															24.0
	26.0	88.5			74.7															26.0
	28.0	83.4			71.3			59.4												28.0
	30.0	78.6			68.0			57.4			47.7									30.0
	34.0	69.5			61.6			53.1			45.1			37.0						34.0
	38.0	59.8	94.5		55.6			48.9			42.4			35.3			31.6			38.0
	42.0		84.4		50.4			44.8			39.5			33.5			30.2			42.0
	46.0		74.2		45.8	73.9		41.1			36.7			31.6			28.6			46.0
	50.0		64.2		42.2	66.6		37.7	64.9		34.0			29.7			27.1			50.0
	54.0					59.1		34.6	59.2		31.5	51.3		27.8			25.5			54.0
	58.0			48.9		52.6		32.0	53.2		29.0	49.7		26.0			24.0			58.0
	62.0			45.2		46.6	42.8	29.9	47.9		27.1	47.4		24.3	39.5		22.5	34.9		62.0
	66.0						39.7		43.2		25.2	44.0		22.7	38.2		21.1	34.2		66.0
	70.0						36.9		39.0	34.7	23.6	40.8		21.2	36.7		19.8	33.7		70.0
	74.0						34.4		35.0		32.3			37.9			18.6	32.6		74.0
	78.0									30.1		35.3	27.4	18.7	33.5		16.3	31.3		78.0
	82.0									28.1		33.0	25.5	15.6	31.2		12.1	29.9		82.0
	86.0									26.4		30.9	23.8		29.1	21.7	8.4	28.4		86.0
	90.0												22.2		27.2	20.1		27.0	19.3	90.0
	94.0												20.7		24.5	18.7		23.6	19.2	94.0
	98.0												19.4		18.7	17.4		17.9	17.8	98.0
	102.0															16.2		12.6	16.5	102.0
	106.0															15.1			15.3	106.0
	110.0															14.1			14.2	110.0
	114.0																		13.2	114.0
	Reeves		8			8			8			8			8			8		Reeves

Note: Designed and rated to comply with EN13000.

Ratings shown in are determined by the strength of the boom or other structural components.

Ratings enclosed in gray-color box in the table require double-drum specifications.

SUPER HEAVY LIFT

LIFTING CAPACITIES

Luffing Jib Lifting Capacity

Unit: ton

Counterweight: 180.0 ton, Carbody weight: 50.0 ton
Pallet weight: 130.0 ton x 16 m

84.0 m Boom Length	Boom length (m)		84.0																		Boom length (m)			
	Jib length (m)		30.0			42.0			54.0			66.0			72.0			78.0			Jib length (m)			
	Boom angle		86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	86°	76°	66°	Boom angle			
	Working Radius (m)																					Working Radius (m)		
20.0		21.4m/92.8																			20.0			
22.0		90.8																			22.0			
24.0		83.7				75.6															24.0			
26.0		77.4				72.6															26.0			
28.0		71.7				69.5				55.5											28.0			
30.0		66.6				65.9				53.7											30.0			
34.0		57.6				58.8				49.9			40.9				38.2			34.0			34.0	
38.0		49.6				51.9				46.0			38.4				36.2			32.5			38.0	
42.0				73.6		45.9				42.3			35.9				34.1			30.8			42.0	
46.0				63.6		40.7	64.0			38.9			33.4				31.9			29.0			46.0	
50.0				55.1		35.8	56.3			35.7	55.5			31.0			29.8			27.3			50.0	
54.0				47.2			49.8			32.9	49.4			28.8			27.8			25.5			54.0	
58.0							44.2			29.5	44.2			26.7	45.2		25.9	42.0		23.9			58.0	
62.0							39.2			26.2	39.7			24.8	43.2		24.1	40.5		22.4	36.3			62.0
66.0											35.7			23.2	40.9		22.5	39.1		20.9	35.3			66.0
70.0											32.1			21.7	38.4		21.0	37.2		19.6	33.9			70.0
74.0											28.8			20.5	36.0		19.8	35.2		18.4	33.1			74.0
78.0															33.5		18.7	33.0		17.3	31.6			78.0
82.0																	30.6		13.5	29.8		82.0		
86.0																	27.1			27.8		86.0		
90.0																	23.7			24.8		90.0		
94.0																	20.0			21.8		94.0		
98.0																				17.7		98.0		
Reeves		8			8			8			8			8			8			Reeves				

Note: Designed and rated to comply with EN13000.

Ratings shown in are determined by the strength of the boom or other structural components.

Ratings enclosed in gray-color box in the table require double-drum specifications.

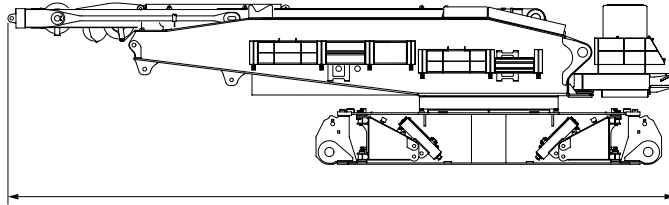
[illegible]

TRANSPORTATION PLAN

Base Machine

Base machine (1)

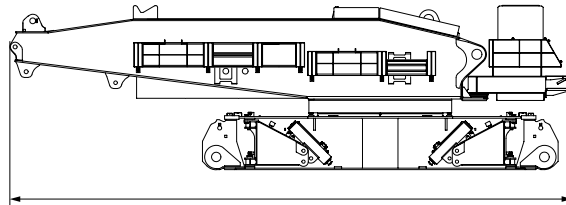
Base machine with mast and lower translifter without upper/lower connecting devices.



Weight	64,000 kg
Width	3.0 m
Height	3.4 m
(Machine)	
Length	14.25 m

Base machine (2)

Base machine with lower translifter without upper/lower connecting devices and mast.

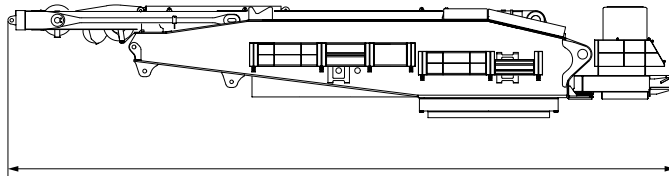


Weight	51,500 kg
Width	3.0 m
Height	3.4 m
(Machine)	
Length	11.67 m

Upper Structure

Upper Structure (1)

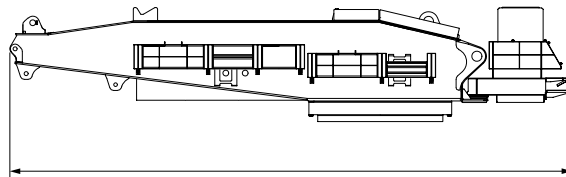
Upper structure with mast and upper connecting devices.



Weight	45,300 kg
Width	3.0 m
Height	2.37 m
(Machine)	
Length	14.25 m

Upper Structure (2)

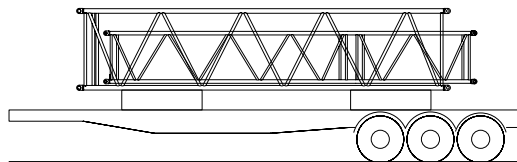
Upper structure and upper connecting devices without mast.



Weight	32,000 kg
Width	3.0 m
Height	2.37 m
(Machine)	
Length	11.67 m

Attachments

With
1 x 12 m insert boom
1 x 12 m insert jib
2 x counterweights



Weight	29,300 kg
Width	3.0 m
Height	2.9 m
(Boom)	

Upper translifter: 2,400 kg
Lower translifter: 2,300 kg
Upper connecting device: 900 kg
Lower connecting device: 2,500 kg

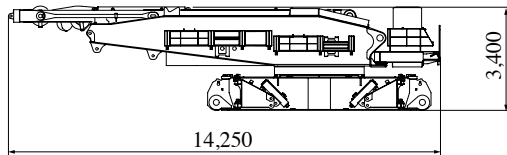
[illegible]

PARTS AND ATTACHMENTS

Base Machine

With mast and lower translifter without upper/lower connecting devices.

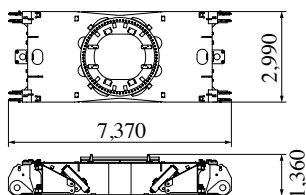
Weight: 64,000 kg Width: 3,000 mm



Carbody

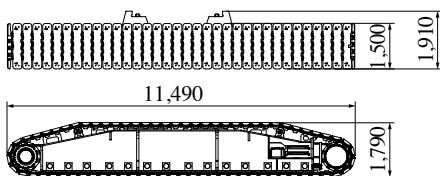
With upper/lower connecting devices.

Weight: 22,610 kg Width: 2,990 mm



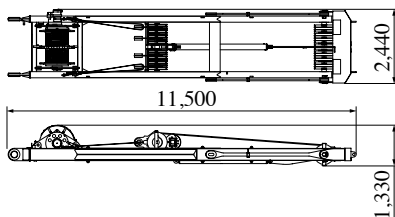
Crawler

Weight: 40,000 kg Width: 1,500 mm



Crane Mast (Standard)

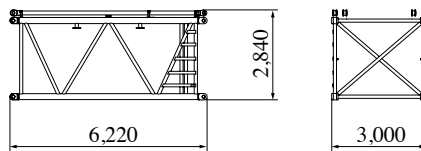
Weight: 12,460 kg



6 m Insert Boom

With 6 m guy line x 4

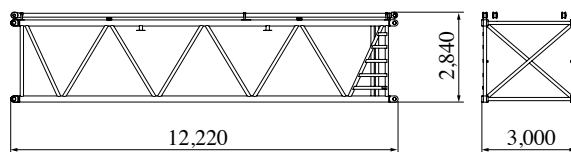
Weight: 3,760 kg



12 m Insert Boom

With 12 m guy line x 4

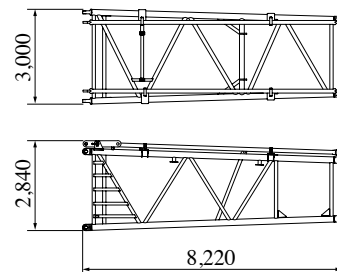
Weight: 6,570 kg



8 m Tapered Boom

With 8 m guy line x 2

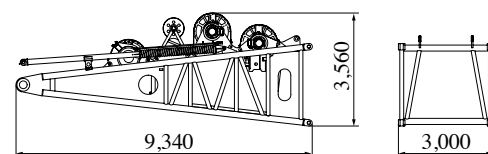
Weight: 5,150 kg



9 m Boom Base

With H1, H2 and W2 winches including ropes, guide sheave, and boom backstop

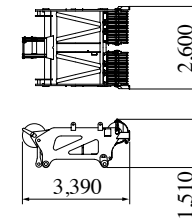
Weight: 29,280 kg



Dimensions: mm Weight: kg

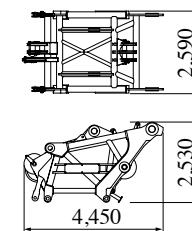
Heavy Boom Top

Weight: 4,910 kg



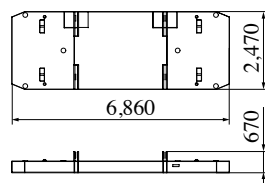
Luffing Boom Top

Weight: 5,520 kg



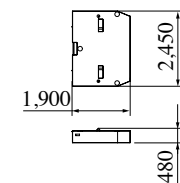
Base Counterweight

Weight: 20,000 kg



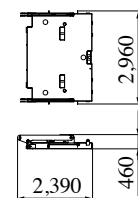
Counterweight

Weight: 10,000 kg



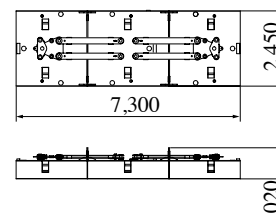
Base Carbody Weight

Weight: 5,400 kg



Base Pallet Weight

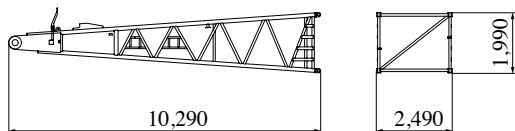
Weight: 11,000 kg



Dimensions: mm Weight: kg

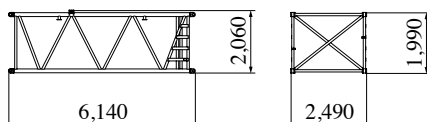
10 m Jib Base

Weight: 3,780 kg



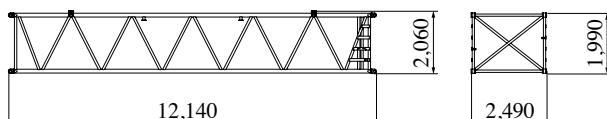
6 m Insert Jib

Weight: 1,470 kg



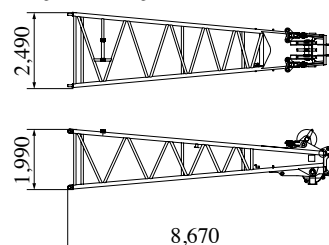
12 m Insert Jib

Weight: 2,680 kg



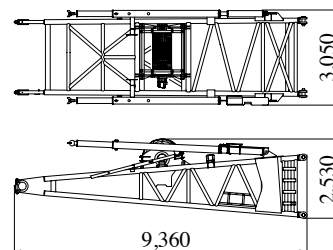
8 m Jib Top

Weight: 3,690 kg



9 m Mast Base

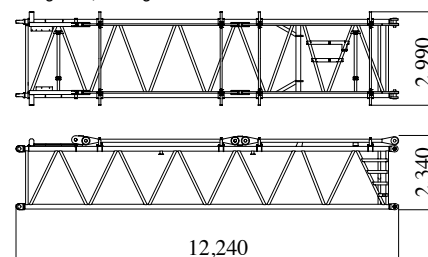
Weight: 13,700 kg



12 m Insert Mast

With guy line

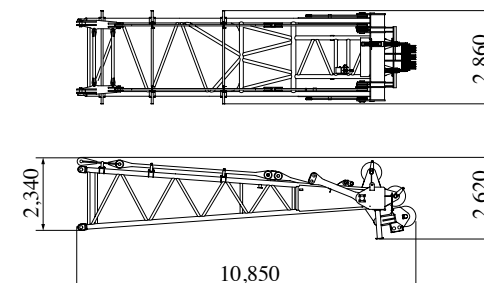
Weight: 5,650 kg



10 m mast top

With guy line

Weight: 10,080 kg



Other Attachments

Attachments	Weight	Dimensions (L x W x H)
Hanger sheave	2,010 kg	2,760 mm x 2,130 mm x 760 mm
5 m insert boom for long boom	1,790 kg	5,180 mm x 2,490 mm x 2,230 mm
Rear strut base	1,990 kg	6,820 mm x 2,590 mm x 1,620 mm
Rear strut top	2,410 kg	7,060 mm x 1,530 mm x 1,390 mm
Front strut base	1,840 kg	7,460 mm x 1,640 mm x 1,330 mm
Front strut top	3,040 kg	8,080 mm x 1,530 mm x 2,090 mm
Auxiliary sheave	650 kg	2,380 mm x 1,130 mm x 910 mm

Note: Estimated weights may vary $\pm$ 2%.



A series of horizontal lines for writing, alternating between white and light gray backgrounds.

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HYDRAULIC CRAWLER CRANE

SL6000

Note: Standard equipment may vary depending on your areas or countries.

Due to our policy of continual product improvements all designs and specifications are subject to change without advance notice.

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