

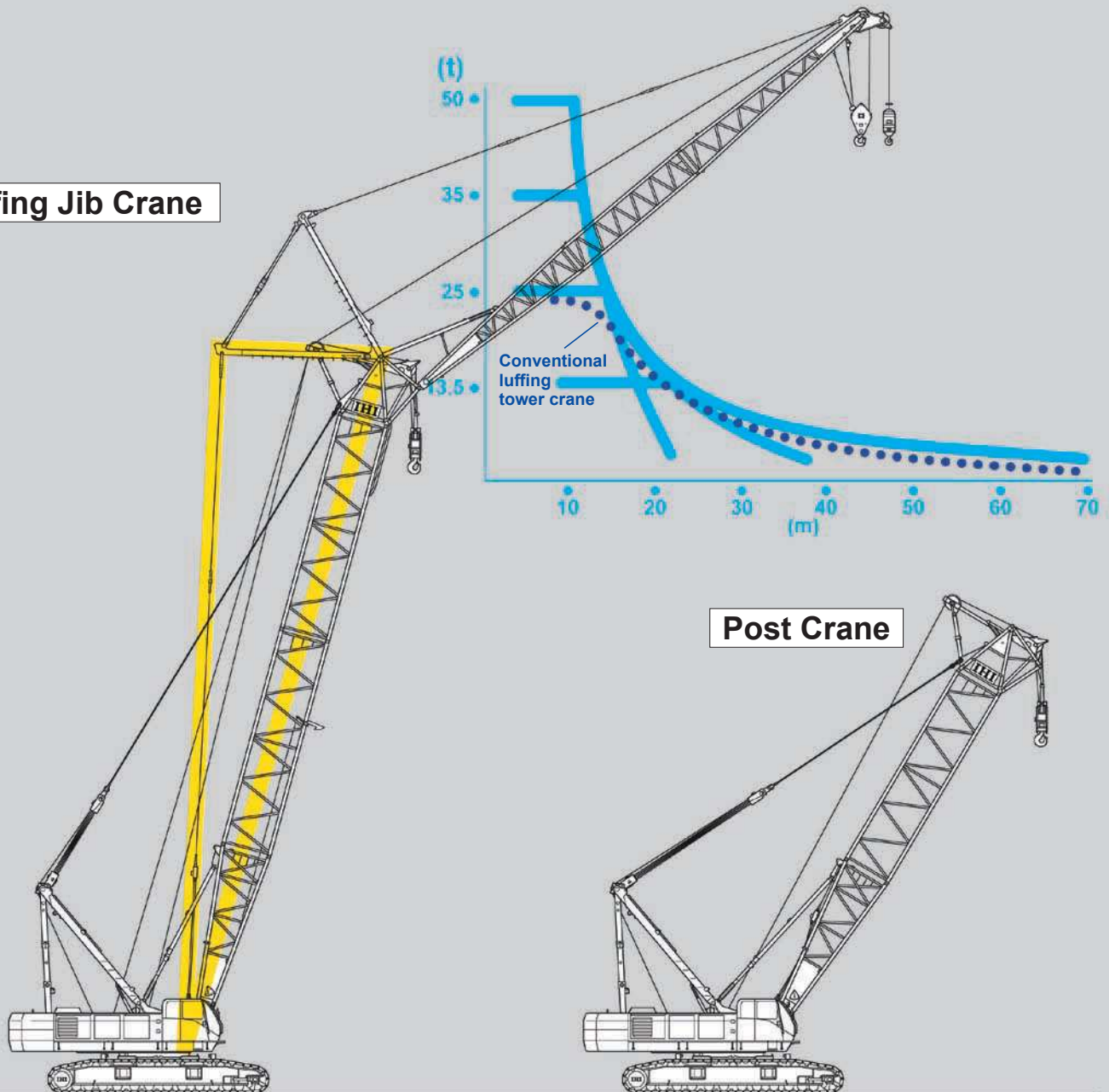
Fully Hydraulic Crawler Crane

Lifting capacity 200 metric tons



Luffing Jib Crane evolved to equip “Auxiliary Jib”

Luffing Jib Crane



Post Crane

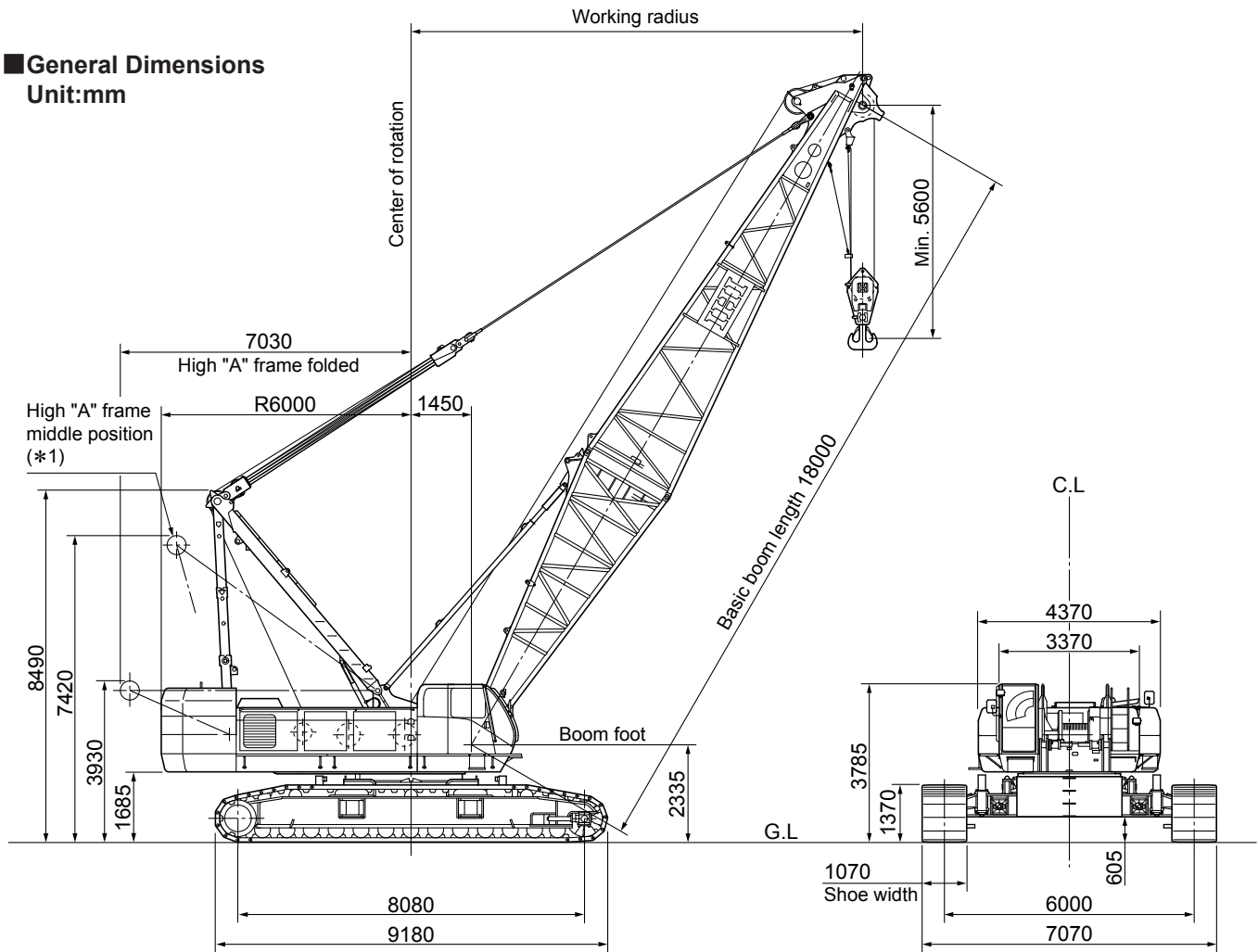
Selections are available from:

- 1) 50-ton lifting with Post
 - 2) 25-ton lifting with Luffing Jib
 - 3) 13.5-ton lifting with Auxiliary Jib
- Simultaneous lifting by Post and Auxiliary Jib is not permitted.

Middle Equalizer for Luffing Jib lifting is tentatively stowed on inner post when the Luffing Jib is dismantled.

General Dimensions

Unit:mm



Specifications

Performance	
Swing speed	1.7min ⁻¹ (1.7rpm) [Constant swing speed 0.6min ⁻¹ (0.6rpm)---optional]
Travel speed	※0.9/0.6 km/h
Gradability	30% (16.7°)
Engine	
Make	HINO MOTOR
Model	K13C-UV (with turbo) Diesel engine
Type	4-cycle, water cooled, straight 6-cylinder, direct injection
Rated output	275kw/2000min ⁻¹ (374PS/2000rpm)
Total piston displacement	12.882L
Fuel tank capacity	450L
Battery	DC12V x 150AH x 2pcs.
Main hoist system (Front left axle, also used for hoisting tower jib)	
Hydraulic motor	Variable displacement axial piston type
Reduction gear	Two-stage planetary gear
Hoist drum	Single drum driven independently by hydraulic motor, lebus grooved drum
Clutch	Internal expanding band type
Brake	External contracting band type
Drum lock	Ratchet lock
Aux. hoist system (Rear left axle)	
Hydraulic motor	Variable displacement axial piston type
Reduction gear	Two-stage planetary gear
Hoist drum	Single drum driven independently by hydraulic motor, lebus grooved drum
Clutch	Internal expanding band type
Brake	External contracting band type
Drum lock	Ratchet lock
Boom hoist system (Rear right axle, also used for hoisting tower post)	
Hydraulic motor	Variable displacement axial piston type
Reduction gear	Three-stage planetary gear
Hoist drum	Dual drums driven independently by hydraulic motor, lebus grooved drum
Brake	Wet type multi-disk
Drum lock	Ratchet lock

※The travel speed changes depending on the load.

Standard equipment

Engine tachometer (with hour meter)
Hydraulic pressure gauge
Fuel gauge
Engine coolant temperature gauge
Front work lamp (on both sides)
Operator's room lamp
Front windshield wiper (with window washer)
Ceiling wiper (with window washer)
Sun shade
Sun-visor
Storage pouch
Tool storage
Reclining operator's seat
Floor mat
Steps for operator's cab
Radio (AM/FM, Cassette)
Cigarette lighter
Ashtray
Rear view mirrors (on both sides)
Warning horn
Moment limiter
Electric fuel pump
Slewing flashing light
Slewing warning Buzzer (with voice alarm)
Travel warning Buzzer (with voice alarm)
A-frame hoist cylinder
Bronze tinted glass
Wire mesh boom walkway (for inner boom)
Foot rest
Electrical engine throttle control grip
Engine throttle pedal
Ultra low speed control
Automatic hydraulic assist brake (main and aux.)
Winch mode selector (main and aux.)
Rope guide roller on boom back (for outer boom)
Plug socket (24V)
Loud speaker
Winch speed control system (main, aux. and boom hoist)
Pump power-shift system
Switch of emergency stop (front and rear)
Boom foot pin cylinder
Standard tools for maintenance (details are as per Parts Catalogue)
Remote controller for jack and crawler expand cylinder

Optional equipment

(1) Base Machine
Jib drum
Reeving winch
Tagline
Slewing parking break
Constant speed slewing system
Slewing mode select switch (free/break)
Drum rotation indication
Axle pin cylinder
Monitor TV (for rear/drum view)
Monitor TV (for hook load)
Mirror for drum
Radio transmitter
Combustion type heater
Fire extinguisher
Room mirror
Electric fan
Spark arrestor
Operator gate lock lever
Tool box (installed in front of operator cabin)
Name plate (both side of base machine)
Air conditioner
(2) Light and Instrument
Yellow rotary light
Airplane warning light
Boom point clearance lamp
Over load outside alarm light (red/yellow/green)
Work light for drum
Work light on boom
Work light for rear direction
Additional Front work light
Hand light
Lift/Depth meter
Electric clinometer
Level indicator
Anemometer
(3) Step and guard
Catwalk for rear cab
Catwalk for rear cab (wide type with handrail)
Handrail for catwalk
Wire mesh for boom walkway (for insert boom and outer boom)
Operator cabin roof guard
Wire rope guard for insert boom
Hook guard for outer boom (wood or steel pipe)
Safety guard rope on main boom
(4) Others
Large size tool box (with caster)
Sling wire rope (for lifting counter weight or crawler)

Specifications

Max. Lifting capacity x working radius		200metric tons x 5.0m
Max. boom length		90m
Max. boom length (main + jib)		103m(72m boom+31m jib)
Rope speed	Main drum hoist/lowering	* 110~55/55~28m/min
	Aux. drum hoist/lowering	* 110~55/55~28m/min
	Boom drum hoist/lowering	* 32~14m/min x 2
Part line	Hook block capacity x Part line	200ton x 16
	Hook block capacity x Part line	13.5ton x 1
	Boom drum hoist	18
Counterweight		78ton
Weight for body		16ton
Total operating weight (with 18m boom)		193ton
Average ground bearing pressure		103kPa(1.05kgf/cm²)

*The rope speed changes depending on the load.

Combination of Boom and Jib (●: Available combination)

Jib length (m)	Boom length (m)												
	18	21	24	27	30	33	36	39	42	45	48	51	54
Auxiliary	●	●	●	●	●	●	●	●	●	●	●	●	●
13	●	●	●	●	●	●	●	●	●	●	●	●	●
19	●	●	●	●	●	●	●	●	●	●	●	●	●
25	●	●	●	●	●	●	●	●	●	●	●	●	●
31	●	●	●	●	●	●	●	●	●	●	●	●	●

Jib length (m)	Boom length (m)											
	57	60	63	66	69	72	75	78	81	84	87	90
Auxiliary	●	●	●	●	●	●	●	●	●	●	●	●
13	●	●	●	●	●	●	●	●	●	●	●	●
19	●	●	●	●	●	●	●	●	●	●	●	●
25	●	●	●	●	●	●	●	●	●	●	●	●
31	●	●	●	●	●	●	●	●	●	●	●	●

Wire Rope

Place of use	Rope diameter (mm)	Guaranteed strength (ton)	Rope type
Main drum	Φ8	70.2	P•S(19)+39 x P7
Boom hoist	Φ2	36.3	IWRC6 x P•WS(31)
Boom suspension	Φ4	104.0	IWRC6 x P•WS(36)
Aux. drum	Φ8	70.2	P•S(19)+39 x P7
Jib suspension	Φ8	59.7	IWRC6 x Fi(29)
Jib strut suspension	Φ1.5	74.9	IWRC6 x Fi(29)

Note: Wire rope length to be determined according to the boom length.

Crane boom composition

The following tables show standard combinations for each boom and jib length.

Boom standard combination

Combination	18	21	24	27	30	33	36	39	42	45	48	51	54
7.5m inner	1	1	1	1	1	1	1	1	1	1	1	1	1
3.0m insert	—	1	2	1	2	1	1	2	1	1	2	1	1
6.0m insert	—	—	—	1	1	2	1	1	2	1	1	2	1
9.0m insert	—	—	—	—	—	—	1	1	1	2	2	2	3
10.5m outer	1	1	1	1	1	1	1	1	1	1	1	1	1

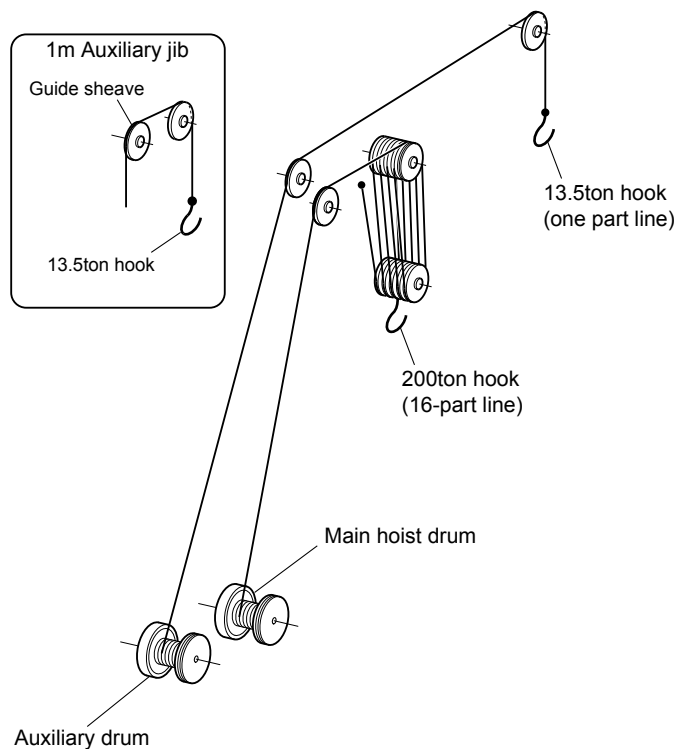
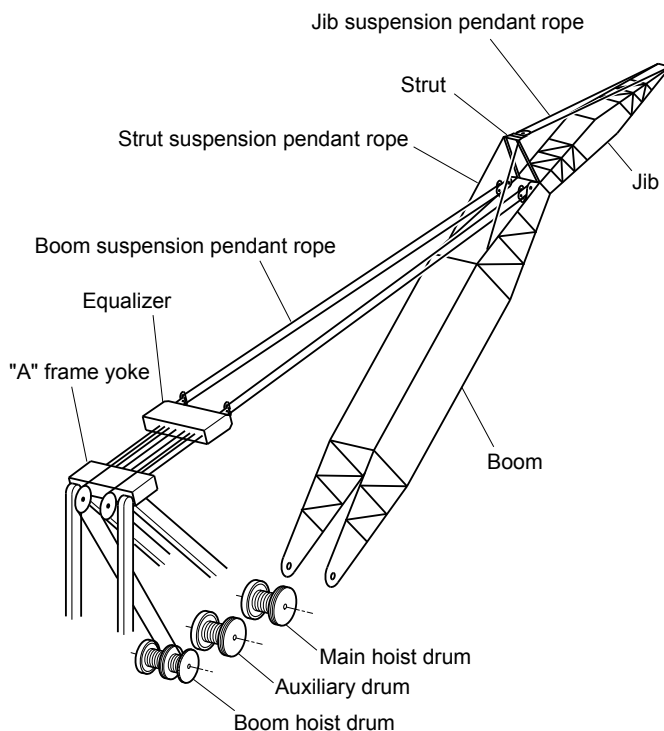
Combination	57	60	63	66	69	72	75	78	81	84	87	90
7.5m inner	1	1	1	1	1	1	1	1	1	1	1	1
3.0m insert	2	1	1	2	1	1	2	1	1	2	1	1
6.0m insert	1	2	1	1	2	1	1	2	1	1	2	1
9.0m insert	3	3	4	4	4	5	5	5	6	6	6	7
10.5m outer	1	1	1	1	1	1	1	1	1	1	1	1

Note: Installation of mast is required for boom length exceeding 69m.

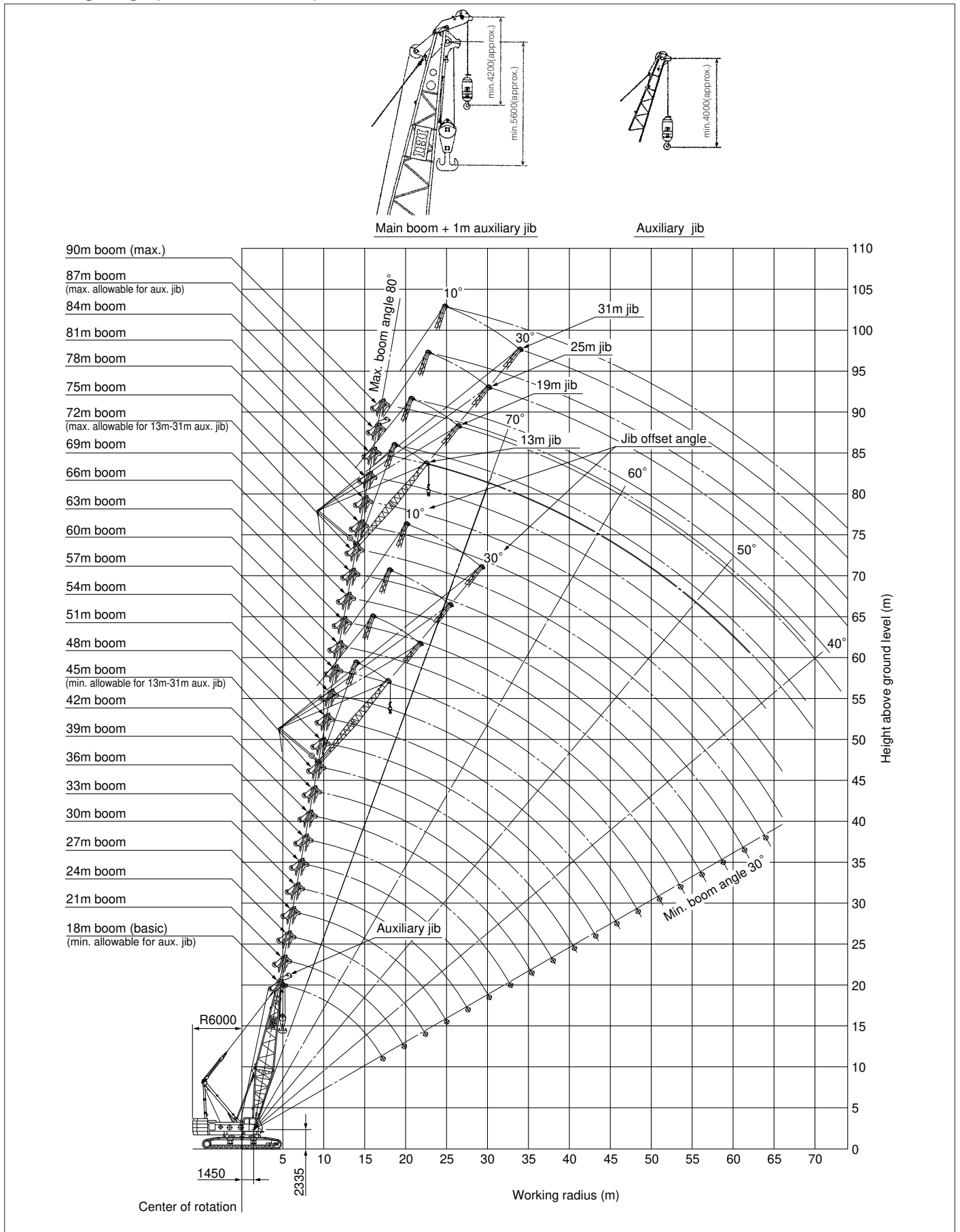
Jib standard combination

Combination	13	19	25	31
6.5m inner	1	1	1	1
6.0m insert	—	1	2	3
6.5m outer	1	1	1	1

*Contact IHI if other combinations required.



■ Working range (No load condition)



Main boom rated lifting loads (78ton counterweight, 16ton weight for body)

(Unit:metric ton)

Boom length (m) Working radius (m)	18.0	21.0	24.0	27.0	30.0	33.0	36.0	39.0	42.0	45.0	48.0	51.0	54.0	57.0	60.0
5.0	5.0m x 200.0	5.6m x 165.0													
6.0	181.0	165.0	6.1m x 150.0	6.6m x 140.0											
7.0	161.9	154.3	146.7	139.1	7.2m x 130.0	7.7m x 118.0									
8.0	136.0	133.5	131.1	128.6	126.1	118.0	8.2m x 108.0	8.7m x 100.0							
9.0	116.6	115.6	114.6	113.6	112.6	108.5	104.4	100.0	9.2m x 94.0	9.8m x 89.0					
10.0	101.3	100.9	100.5	100.0	99.6	97.5	95.4	93.3	91.2	89.0	10.3m x 80.0	10.8m x 75.0	11.3m x 72.0	11.9m x 68.0	
12.0	78.7	78.6	78.5	78.3	78.2	77.5	76.7	76.0	75.2	74.5	72.8	71.1	69.3	67.6	12.4m x 62.0
14.0	62.0	61.8	61.5	61.3	61.0	60.9	60.8	60.7	60.6	60.5	60.1	59.7	59.3	58.9	58.5
16.0	51.0	50.9	50.8	50.6	50.5	50.4	50.3	50.2	50.1	50.0	49.9	49.8	49.7	49.6	49.5
18.0	17.2m x 46.4	43.3	43.2	43.0	42.9	42.8	42.7	42.7	42.6	42.5	42.4	42.3	42.2	42.1	42.0
20.0		19.8m x 38.4	37.8	37.6	37.5	37.4	37.3	37.1	37.0	36.9	36.8	36.7	36.6	36.5	36.4
22.0			33.4	33.1	32.7	32.6	32.5	32.4	32.3	32.2	32.1	32.0	31.8	31.7	31.6
24.0			22.4m x 32.7	29.5	29.2	29.1	29.0	28.9	28.8	28.7	28.6	28.5	28.3	28.2	28.1
26.0				25.0m x 28.0	26.4	26.3	26.2	26.0	25.9	25.8	25.7	25.5	25.4	25.2	25.1
28.0					27.6m x 24.5	23.9	23.7	23.6	23.4	23.3	23.1	23.0	22.8	22.7	22.5
30.0						21.8	21.7	21.5	21.4	21.2	21.0	20.9	20.7	20.6	20.4
32.0						30.2m x 21.7	19.9	19.7	19.6	19.5	19.3	19.1	19.0	18.8	18.6
34.0							32.8m x 19.2	18.1	18.0	17.9	17.7	17.5	17.4	17.2	17.0
36.0								35.4m x 17.1	16.6	16.5	16.3	16.1	16.0	15.8	15.6
38.0									38.0m x 15.4	15.3	15.1	14.9	14.7	14.5	14.3
40.0										14.3	14.1	13.9	13.6	13.4	13.2
42.0										40.6m x 14.0	13.1	12.9	12.6	12.4	12.2
44.0											43.2m x 12.5	11.9	11.7	11.5	11.3
46.0												45.8m x 11.2	10.9	10.7	10.5
48.0													10.2	10.0	9.8
50.0													48.4m x 10.0	9.3	9.1
52.0														51.0m x 8.9	8.4
54.0															53.6m x 8.0

Boom length (m) Working radius (m)	63.0	66.0	69.0	72.0	75.0	78.0	81.0	84.0	87.0	90.0
12.0	12.9m x 56.0	13.4m x 50.0	13.9m x 47.0							
14.0	54.2	48.1	47.0	14.5m x 42.0	15.0m x 37.5	15.5m x 34.0				
16.0	47.1	44.1	43.3	41.8	37.5	34.0	16.0m x 30.5	16.5m x 28.0	17.0m x 25.0	17.5m x 23.0
18.0	41.2	40.2	40.1	38.0	35.6	33.3	30.5	27.0	25.0	22.6
20.0	36.3	35.9	35.7	35.6	33.4	30.4	28.5	25.7	23.5	20.6
22.0	31.5	31.4	31.3	31.2	31.1	28.5	26.4	24.5	21.8	19.0
24.0	28.0	27.8	27.7	27.6	27.5	27.3	25.0	22.7	20.3	18.0
26.0	25.0	24.8	24.5	24.3	24.0	23.8	23.5	21.2	19.1	16.8
28.0	22.4	22.2	22.0	21.9	21.8	21.6	21.5	19.8	17.8	15.6
30.0	20.3	20.1	19.9	19.8	19.7	19.6	19.5	18.6	16.7	14.5
32.0	18.4	18.2	18.0	17.9	17.8	17.7	17.6	17.5	15.7	13.6
34.0	16.8	16.6	16.4	16.3	16.2	16.1	16.0	15.8	14.7	12.8
36.0	15.4	15.2	15.0	14.9	14.8	14.6	14.5	14.3	13.9	12.0
38.0	14.1	13.9	13.7	13.6	13.5	13.4	13.3	13.0	12.8	11.3
40.0	13.0	12.8	12.6	12.5	12.4	12.3	12.2	11.9	11.7	10.6
42.0	12.0	11.8	11.6	11.5	11.4	11.3	11.2	10.8	10.6	10.1
44.0	11.1	10.9	10.7	10.6	10.5	10.4	10.3	9.8	9.6	9.2
46.0	10.3	10.1	9.9	9.8	9.7	9.5	9.4	8.9	8.6	8.3
48.0	9.6	9.4	9.1	8.9	8.8	8.6	8.4	8.0	7.8	7.4
50.0	8.9	8.7	8.5	8.4	8.2	8.1	7.9	7.4	7.0	6.7
52.0	8.3	8.1	7.8	7.7	7.5	7.4	7.2	6.8	6.3	6.0
54.0	7.7	7.5	7.3	7.2	7.0	6.9	6.7	6.2	5.7	5.4
56.0	7.2	7.0	6.8	6.6	6.5	6.3	6.1	5.7	5.2	4.8
58.0	56.2m x 7.1	6.5	6.3	6.1	6.0	5.8	5.6	5.2	4.6	4.2
60.0		58.8m x 6.3	5.8	5.6	5.5	5.3	5.1	4.7	4.2	3.6
62.0			61.4m x 5.5	5.2	5.0	4.8	4.6	4.3	3.6	3.1
64.0				64.0m x 4.8	4.6	4.4	4.2	3.8	3.2	2.7
66.0					4.2	4.0	3.8	3.4	2.7	2.3
68.0					66.2m x 4.0	3.2	3.0	2.5	2.3	2.0
70.0							2.5	2.0		

Notes

- Above rated loads are based on the machine being operated on firm level ground, within 78% of tipping load at any point of 360° around the machine with forward stability factor of over 1.15.
- Working radius is horizontal distance from center of rotation to a vertical line through the center of gravity of the load.
- The weight of the slings, hook block(s) and auxiliary lifting devices must be considered to be a part of the load.
Hook block weight:
200ton hook block...2.70ton 150ton hook block...2.40ton
100ton hook block...1.40ton 60ton hook block...1.20ton
50ton hook block...1.00ton 30ton hook block...1.00ton
13.5ton hook block...0.60ton
- Jib boom can be fitted to main boom in the following combinations.

Jib length(m)	Auxiliary	13.0	19.0	25.0	31.0
Boom length(m)	18.0~87.0	45.0~72.0	45.0~72.0	45.0~72.0	45.0~72.0
- When jib boom is fitted actual loads that can be lifted with main hook block should be reduced according to the below table (the weights include auxiliary hook block).

Jib length(m)	Auxiliary	13.0	19.0	25.0	31.0
Weight to be deducted(ton)	0.8	3.5	4.0	4.9	6.0
- High "A" Frame should be extended before working.
Extend the "A" frame to the highest position when there is no mast.
Extend the "A" frame to the mid-position when there is a mast.
- Depending on the number of part lines, rated lifting load is limited as follows:

1Part line...up to 13.5ton	2Part line...up to 25.0ton
3Part line...up to 37.5ton	4Part line...up to 50.0ton
5Part line...up to 62.5ton	6Part line...up to 75.0ton
7Part line...up to 87.5ton	8Part line...up to 100.0ton
9Part line...up to 112.5ton	10Part line...up to 125.0ton
11Part line...up to 137.5ton	12Part line...up to 150.0ton
13Part line...up to 162.5ton	14Part line...up to 175.0ton
15Part line...up to 187.5ton	16Part line...up to 200.0ton
- Always use a mast for boom length of 69m or over. Carefully follow the instruction manual concerning installation of pendant rope.
- Rated loads shown in bold lines are based on structural strength factors.

■ 1m aux. jib rated lifting loads (78ton counterweight, 16ton weight for body)

(Unit: metric ton)

Boom length (m) Working radius (m)	18.0	21.0	24.0	27.0	30.0	33.0	36.0	39.0	42.0	45.0	48.0	51.0	54.0	57.0	60.0
5.0	5.9m x 13.5														
6.0	13.5	6.4m x 13.5													
7.0	13.5	13.5	7.0m x 13.5	7.5m x 13.5											
8.0	13.5	13.5	13.5	13.5	8.0m x 13.5	8.5m x 13.5									
9.0	13.5	13.5	13.5	13.5	13.5	13.5	9.0m x 13.5	9.6m x 13.5							
10.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	10.1m x 13.5	10.5m x 13.5	11.1m x 13.5	11.6m x 13.5			
12.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.2m x 13.5	12.7m x 13.5	13.2m x 13.5
14.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
16.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
18.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
20.0	18.8m x 13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
22.0		21.4m x 13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
24.0			24.0m x 13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
26.0				13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
28.0				26.6m x 13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
30.0					29.2m x 13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
32.0						31.7m x 13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
34.0							13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
36.0							34.3m x 13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
38.0								36.9m x 13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
40.0									39.5m x 13.5	13.5	13.3	13.1	12.8	12.6	12.4
42.0										42.1m x 12.5	12.5	12.3	12.1	11.8	11.4
44.0											44.7m x 11.0	11.1	10.9	10.7	10.5
46.0												10.3	10.1	9.9	9.7
48.0												47.3m x 9.8	9.4	9.2	9.0
50.0													49.9m x 8.7	8.5	8.3
52.0														7.8	7.6
54.0														52.5m x 7.7	7.0
56.0															55.1m x 6.8

Boom length (m) Working radius (m)	63.0	66.0	69.0	72.0	75.0	78.0	81.0	84.0	87.0
12.0	13.7m x 13.5								
14.0	13.5	14.2m x 13.5	14.8m x 13.5	15.3m x 13.5	15.8m x 13.5				
16.0	13.5	13.5	13.5	13.5	13.5	16.3m x 13.5	16.9m x 13.5	17.4m x 13.5	17.9m x 13.5
18.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
20.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
22.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
24.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
26.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
28.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
30.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
32.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
34.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
36.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.1
38.0	13.3	13.1	12.9	12.8	12.7	12.6	12.5	12.2	12.0
40.0	12.2	12.0	11.8	11.7	11.6	11.5	11.4	11.1	10.9
42.0	11.2	11.0	10.8	10.7	10.6	10.5	10.4	10.0	9.8
44.0	10.3	10.1	9.9	9.8	9.7	9.6	9.5	9.0	8.8
46.0	9.5	9.3	9.1	9.0	8.9	8.7	8.6	8.1	7.8
48.0	8.8	8.6	8.3	8.1	8.0	7.8	7.6	7.2	7.0
50.0	8.1	7.9	7.7	7.6	7.4	7.3	7.1	6.6	6.2
52.0	7.5	7.3	7.0	6.9	6.7	6.6	6.4	6.0	5.5
54.0	6.9	6.7	6.5	6.4	6.2	6.1	5.9	5.4	4.9
56.0	6.4	6.2	6.0	5.8	5.7	5.5	5.3	4.9	4.4
58.0	57.7m x 5.9	5.7	5.5	5.3	5.2	5.0	4.8	4.4	3.8
60.0		5.1	5.0	4.8	4.7	4.5	4.3	3.9	3.4
62.0		60.3m x 9.0	4.6	4.4	4.2	4.0	3.8	3.5	2.8
64.0			62.9m x 4.4	4.0	3.8	3.6	3.4	3.0	2.4
66.0				65.5m x 3.6	3.4	3.2	3.0	2.6	
68.0						2.4	2.2		

Notes

- Above rated loads are based on the machine being operated on firm level ground, within 78% of tipping load at any point of 360° around the machine with forward stability factor of over 1.15.
- Working radius is horizontal distance from center of rotation to a vertical line through the center of gravity of the load.
- When the main hook block is installed, the lifting loads of jib must be reduced by the weight of hook block (main and jib) and other lifting devices.
200ton hook block...2.70ton
150ton hook block...2.40ton
100ton hook block...1.40ton
60ton hook block...1.20ton
50ton hook block...1.00ton
30ton hook block...1.00ton
13.5ton hook block...0.60ton
- Boom lengths for auxiliary jib attachment are 18.0m-87.0m.
- Always extend the "A" frame during operation.
- Use the 1m auxiliary jib for crane operations only. Do not use for bucket operations.
- Rated loads for the 1m auxiliary jib are based on structural strength.

Aux. jib rated lifting loads (78ton counterweight, 16ton weight for body)

(Unit:metric ton)

Boom length (m)	45.0								48.0								51.0							
Jib length (m)	13.0		19.0		25.0		31.0		13.0		19.0		25.0		31.0		13.0		19.0		25.0		31.0	
Offset angle	10°		30°		10°		30°		10°		30°		10°		30°		10°		30°		10°		30°	
Working radius (m)	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°
14.0	14.1mx 13.5		15.5mx 12.0						14.6mx 13.5								15.1mx 13.5							
16.0	13.5		12.0						13.5		16mx 12.0						13.5		16.6mx 12.0					
18.0	13.5	18mx 13.0	12.0		18.2mx 8.0		19.7mx 3.5		13.5	18.5mx 13.0	12.0		18.7mx 8.0				13.5	19mx 13.0	12.0		19.2mx 8.0			
20.0	13.5	13.0	12.0		21.3mx 8.0	8.0		3.5	13.5	13.0	12.0	21.8mx 8.0	8.0		20.2mx 3.5		13.5	13.0	12.0		8.0		20.7mx 3.5	
22.0	13.5	13.0	12.0	8.0	8.0			3.5	13.5	13.0	12.0	8.0	8.0		3.5		13.5	13.0	12.0	22.4mx 8.0	8.0			3.5
24.0	13.5	13.0	12.0	8.0	8.0	25.7mx 6.0		3.5	13.5	13.0	12.0	8.0	8.0		3.5		13.5	13.0	12.0	8.0	8.0			3.5
26.0	13.5	13.0	12.0	8.0	8.0	6.0		3.5	13.5	13.0	12.0	8.0	8.0	26.2mx 6.0	3.5		13.5	13.0	12.0	8.0	8.0	26.7mx 6.0		3.5
28.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	29mx 3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	29.6mx 3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	
30.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	30.1mx 3.0
32.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0
34.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0
36.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0
38.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0
40.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0
42.0	13.3	13.0	12.0	8.0	8.0	6.0	3.5	3.0	13.1	13.0	12.0	8.0	8.0	6.0	3.5	3.0	12.9	12.9	12.0	8.0	8.0	6.0	3.5	3.0
44.0	12.3	12.3	12.0	8.0	8.0	6.0	3.5	3.0	12.1	12.1	12.0	8.0	8.0	6.0	3.5	3.0	11.9	11.9	11.9	8.0	8.0	6.0	3.5	3.0
46.0	11.5	11.5	11.5	8.0	8.0	6.0	3.5	3.0	11.3	11.3	11.3	8.0	8.0	6.0	3.5	3.0	11.1	11.1	11.1	8.0	8.0	6.0	3.5	3.0
48.0	10.7	10.7	10.7	8.0	8.0	6.0	3.5	3.0	10.5	10.5	10.5	8.0	8.0	6.0	3.5	3.0	10.3	10.3	10.3	8.0	8.0	6.0	3.5	3.0
50.0	10.0	10.0	10.0	8.0	8.0	6.0	3.5	3.0	9.8	9.8	9.8	8.0	8.0	6.0	3.5	3.0	9.6	9.6	9.6	8.0	8.0	6.0	3.5	3.0
52.0	9.3	9.3	9.3	8.0	8.0	6.0	3.5	3.0	9.1	9.1	9.1	8.0	8.0	6.0	3.5	3.0	9.0	9.0	9.0	8.0	8.0	6.0	3.5	3.0
54.0	53.3mx 8.9	8.7	8.7	8.0	8.0	6.0	3.5	3.0	8.5	8.5	8.5	8.0	8.0	6.0	3.5	3.0	8.4	8.4	8.4	8.0	8.0	6.0	3.5	3.0
56.0		54.2mx 8.7	8.2	8.0	8.0	6.0	3.5	3.0	55.9mx 8.1	8.0	8.0	8.0	8.0	6.0	3.5	3.0	7.9	7.9	7.9	7.9	7.9	6.0	3.5	3.0
58.0			7.7	7.7	7.7	6.0	3.5	3.0	56.8mx 7.8	7.5	7.5	7.5	6.0	3.5	3.0	7.4	7.4	7.4	7.4	7.4	6.0	3.5	3.0	
60.0			58.8mx 7.5	7.2	7.2	6.0	60mx 3.5	60mx 3.0		7.0	7.0	7.0	6.0	3.5	3.0	58.5mx 7.2	59.4mx 7.0	6.8	6.8	6.8	6.0	3.5	3.0	
62.0				60.2mx 7.2	6.7	6.0				61.4mx 6.7	6.5	6.5	6.0	62mx 3.5	62mx 3.0			6.3	6.3	6.3	6.0	3.5	3.0	
64.0					64mx 6.3	64mx 6.0					62.8mx 6.3	64mx 6.1	64mx 6.0						64mx 5.9	5.9	5.9	5.9	64mx 3.5	64mx 3.0
66.0																			65.4mx 5.6	66mx 5.5	66mx 5.5			

Boom length (m)	54.0								57.0							
Jib length (m)	13.0		19.0		25.0		31.0		13.0		19.0		25.0		31.0	
Offset angle	10°		30°		10°		30°		10°		30°		10°		30°	
Working radius (m)	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°
14.0	15.6mx 13.5															
16.0	13.5		17.1mx 12.0						16.1mx 13.5		17.6mx 12.0					
18.0	13.5	19.5mx 13.0	12.0		19.8mx 8.0				13.5		12.0					
20.0	13.5	13.0	12.0		8.0		21.3mx 3.5		13.5	20mx 13.0	12.0		20.3mx 8.0		21.8mx 3.5	
22.0	13.5	13.0	12.0	22.9mx 8.0	8.0		3.5		13.5	13.0	12.0	23.4mx 8.0	8.0		3.5	
24.0	13.5	13.0	12.0	8.0	8.0		3.5		13.5	13.0	12.0	8.0	8.0		3.5	
26.0	13.5	13.0	12.0	8.0	8.0	27.2mx 6.0	3.5		13.5	13.0	12.0	8.0	8.0	27.7mx 6.0	3.5	
28.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5		13.5	13.0	12.0	8.0	8.0	6.0	3.5	
30.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	30.6mx 3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	31.1mx 3.0
32.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0
34.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0
36.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0
38.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0
40.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0	13.4	13.0	12.0	8.0	8.0	6.0	3.5	3.0
42.0	12.6	12.6	12.0	8.0	8.0	6.0	3.5	3.0	12.4	12.4	12.0	8.0	8.0	6.0	3.5	3.0
44.0	11.7	11.7	11.7	8.0	8.0	6.0	3.5	3.0	11.5	11.5	11.5	8.0	8.0	6.0	3.5	3.0
46.0	10.9	10.9	10.9	8.0	8.0	6.0	3.5	3.0	10.7	10.7	10.7	8.0	8.0	6.0	3.5	3.0
48.0	10.2	10.2	10.2	8.0	8.0	6.0	3.5	3.0	10.0	10.0	10.0	8.0	8.0	6.0	3.5	3.0
50.0	9.5	9.5	9.5	8.0	8.0	6.0	3.5	3.0	9.3	9.3	9.3	8.0	8.0	6.0	3.5	3.0
52.0	8.8	8.8	8.8	8.0	8.0	6.0	3.5	3.0	8.6	8.6	8.6	8.0	8.0	6.0	3.5	3.0
54.0	8.2	8.2	8.2	8.0	8.0	6.0	3.5	3.0	8.0	8.0	8.0	8.0	8.0	6.0	3.5	3.0
56.0	7.7	7.7	7.7	7.7	7.7	6.0	3.5	3.0	7.5	7.5	7.5	7.5	7.5	6.0	3.5	3.0
58.0	7.2	7.2	7.2	7.2	7.2	6.0	3.5	3.0	7.0	7.0	7.0	7.0	7.0	6.0	3.5	3.0
60.0	6.6	6.6	6.6	6.6	6.6	6.0	3.5	3.0	6.5	6.5	6.5	6.5	6.5	6.0	3.5	3.0
62.0	61.1mx 6.4	62mx 6.1	6.1	6.1	6.1	6.0	3.5	3.0	6.0	6.0	6.0	6.0	6.0	6.0	3.5	3.0
64.0			5.7	5.7	5.7	5.7	3.5	3.0	63.7mx 5.6	5.5	5.5	5.5	5.5	5.5	3.5	3.0
66.0			5.3	5.3	5.3	5.3	66mx 3.5	66mx 3.0	64.6mx 5.4	5.0	5.0	5.0	5.0	5.0	66mx 3.5	66mx 3.0
68.0			66.6mx 5.1	68mx 4.9	68mx 4.9	68mx 4.9				4.6	4.6	4.6	4.6			
70.0										69.2mx 4.4	4.3	70mx 4.3				
72.0										70.6mx 4.2						

■ Aux. jib rated lifting loads (78ton counterweight, 16ton weight for body)

(Unit: metric ton)

Boom length (m)	60.0								63.0								66.0							
Jib length (m)	13.0		19.0		25.0		31.0		13.0		19.0		25.0		31.0		13.0		19.0		25.0		31.0	
Offset angle	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°
Working radius (m)	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°
16.0	16.7mx 13.5								17.2mx 13.5								17.7mx 13.5							
18.0	13.5		18.1mx 12.0						13.5		18.7mx 12.0						13.5		19.2mx 12.0					
20.0	13.5	20.6mx 13.0	12.0		20.8mx 8.0				13.5	21.1mx 13.0	12.0		21.3mx 8.0				13.5	21.6mx 13.0	12.0		21.8mx 8.0			
22.0	13.5	13.0	12.0	23.9mx 8.0	8.0				13.5	13.0	12.0		8.0		22.8mx 3.5		13.5	13.0	12.0		8.0		23.3mx 3.5	
24.0	13.5	13.0	12.0	8.0	8.0		3.5		13.5	13.0	12.0		24.4mx 8.0	8.0		3.5	13.5	13.0	12.0		25mx 8.0	8.0		3.5
26.0	13.5	13.0	12.0	8.0	8.0		3.5		13.5	13.0	12.0	8.0	8.0		3.5		13.5	13.0	12.0	8.0	8.0		29.3mx 6.0	3.5
28.0	13.5	13.0	12.0	8.0	8.0	28.3mx 6.0	3.5		13.5	13.0	12.0	8.0	8.0	28.8mx 6.0	3.5		13.5	13.0	12.0	8.0	8.0		29.3mx 6.0	3.5
30.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	31.7mx 3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5		13.5	13.0	12.0	8.0	8.0	6.0	3.5	
32.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	32.2mx 3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	32.7mx 3.0
34.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0
36.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0
38.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0
40.0	13.2	13.0	12.0	8.0	8.0	6.0	3.5	3.0	13.0	13.0	12.0	8.0	8.0	6.0	3.5	3.0	12.8	12.8	12.0	8.0	8.0	6.0	3.5	3.0
42.0	12.2	12.2	12.0	8.0	8.0	6.0	3.5	3.0	12.0	12.0	12.0	8.0	8.0	6.0	3.5	3.0	11.8	11.8	11.8	8.0	8.0	6.0	3.5	3.0
44.0	11.3	11.3	11.3	8.0	8.0	6.0	3.5	3.0	11.1	11.1	11.1	8.0	8.0	6.0	3.5	3.0	10.9	10.9	10.9	8.0	8.0	6.0	3.5	3.0
46.0	10.5	10.5	10.5	8.0	8.0	6.0	3.5	3.0	10.3	10.3	10.3	8.0	8.0	6.0	3.5	3.0	10.1	10.1	10.1	8.0	8.0	6.0	3.5	3.0
48.0	9.8	9.8	9.8	8.0	8.0	6.0	3.5	3.0	9.6	9.6	9.6	8.0	8.0	6.0	3.5	3.0	9.4	9.4	9.4	8.0	8.0	6.0	3.5	3.0
50.0	9.1	9.1	9.1	8.0	8.0	6.0	3.5	3.0	8.9	8.9	8.9	8.0	8.0	6.0	3.5	3.0	8.7	8.7	8.7	8.0	8.0	6.0	3.5	3.0
52.0	8.4	8.4	8.4	8.0	8.0	6.0	3.5	3.0	8.3	8.3	8.3	8.0	8.0	6.0	3.5	3.0	8.1	8.1	8.1	8.0	8.0	6.0	3.5	3.0
54.0	7.8	7.8	7.8	7.8	7.8	6.0	3.5	3.0	7.7	7.7	7.7	7.7	7.7	6.0	3.5	3.0	7.5	7.5	7.5	7.5	7.5	6.0	3.5	3.0
56.0	7.3	7.3	7.3	7.3	7.3	6.0	3.5	3.0	7.2	7.2	7.2	7.2	7.2	6.0	3.5	3.0	7.0	7.0	7.0	7.0	7.0	6.0	3.5	3.0
58.0	6.8	6.8	6.8	6.8	6.8	6.0	3.5	3.0	6.7	6.7	6.7	6.7	6.7	6.0	3.5	3.0	6.5	6.5	6.5	6.5	6.5	6.0	3.5	3.0
60.0	6.3	6.3	6.3	6.3	6.3	6.0	3.5	3.0	6.1	6.1	6.1	6.1	6.1	6.0	3.5	3.0	5.9	5.9	5.9	5.9	5.9	5.9	3.5	3.0
62.0	5.8	5.8	5.8	5.8	5.8	5.8	3.5	3.0	5.6	5.6	5.6	5.6	5.6	5.6	3.5	3.0	5.4	5.4	5.4	5.4	5.4	5.4	3.5	3.0
64.0	5.3	5.3	5.3	5.3	5.3	5.3	3.5	3.0	5.1	5.1	5.1	5.1	5.1	5.1	3.5	3.0	4.9	4.9	4.9	4.9	4.9	4.9	3.5	3.0
66.0	4.8	4.8	4.8	4.8	4.8	4.8	3.5	3.0	4.6	4.6	4.6	4.6	4.6	4.6	3.5	3.0	4.4	4.4	4.4	4.4	4.4	4.4	3.5	3.0
68.0	66.3mx 4.8	67.2mx 4.6	4.4	4.4	4.4	4.4	3.5	3.0	4.2	4.2	4.2	4.2	4.2	4.2	3.5	3.0	4.0	4.0	4.0	4.0	4.0	4.0	3.5	3.0
70.0			4.1	4.1	4.1	4.1	3.5	3.0	68.9mx 4.0	69.8mx 3.9	3.8	3.8	3.8	3.8	3.5	3.0	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.0
72.0			71.8mx 3.8	3.7	3.7	3.7	3.5	3.0			3.5	3.5	3.5	3.5	3.5	3.0	71.5mx 3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.0
74.0			73.2mx 3.5	3.3	3.3	3.3	3.0				3.1	3.1	3.1	3.1	3.1	3.0	72.4mx 3.2	2.9	2.9	2.9	2.9	2.9	2.9	2.9

Boom length (m)	69.0								72.0							
Jib length (m)	13.0		19.0		25.0		31.0		13.0		19.0		25.0		31.0	
Offset angle	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°
Working radius (m)	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°
18.0	18.2mx 13.5		19.7mx 12.0						18.7mx 13.5							
20.0	13.5		12.0						13.5		20.2mx 12.0					
22.0	13.5	22.1mx 13.0	12.0		22.4mx 8.0		23.9mx 3.5		13.5	22.6mx 13.0	12.0		22.9mx 8.0			
24.0	13.5	13.0	12.0	25.5mx 8.0	8.0		3.5		13.5	13.0	12.0		8.0		24.4mx 3.5	
26.0	13.5	13.0	12.0	8.0	8.0		3.5		13.5	13.0	12.0	26mx 8.0	8.0		3.5	
28.0	13.5	13.0	12.0	8.0	8.0	29.8mx 6.0	3.5		13.5	13.0	12.0	8.0	8.0		3.5	
30.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5		13.5	13.0	12.0	8.0	8.0	30.3mx 6.0	3.5	
32.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	33.2mx 3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	33.7mx 3.0
34.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0
36.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0
38.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	3.0
40.0	12.6	12.6	12.0	8.0	8.0	6.0	3.5	3.0	12.5	12.5	12.0	8.0	8.0	6.0	3.5	3.0
42.0	11.6	11.6	11.6	8.0	8.0	6.0	3.5	3.0	11.5	11.5	11.5	8.0	8.0	6.0	3.5	3.0
44.0	10.7	10.7	10.7	8.0	8.0	6.0	3.5	3.0	10.6	10.6	10.6	8.0	8.0	6.0	3.5	3.0
46.0	9.9	9.9	9.9	8.0	8.0	6.0	3.5	3.0	9.8	9.8	9.8	8.0	8.0	6.0	3.5	3.0
48.0	9.1	9.1	9.1	8.0	8.0	6.0	3.5	3.0	8.9	8.9	8.9	8.0	8.0	6.0	3.5	3.0
50.0	8.5	8.5	8.5	8.0	8.0	6.0	3.5	3.0	8.4	8.4	8.4	8.0	8.0	6.0	3.5	3.0
52.0	7.8	7.8	7.8	7.8	7.8	6.0	3.5	3.0	7.7	7.7	7.7	7.7	7.7	6.0	3.5	3.0
54.0	7.3	7.3	7.3	7.3	7.3	6.0	3.5	3.0	7.2	7.2	7.2	7.2	7.2	6.0	3.5	3.0
56.0	6.8	6.8	6.8	6.8	6.8	6.0	3.5	3.0	6.6	6.6	6.6	6.6	6.6	6.0	3.5	3.0
58.0	6.3	6.3	6.3	6.3	6.3	6.0	3.5	3.0	6.1	6.1	6.1	6.1	6.1	6.0	3.5	3.0
60.0	5.8	5.8	5.8	5.8	5.8	5.8	3.5	3.0	5.6	5.6	5.6	5.6	5.6	5.6	3.5	3.0
62.0	5.4	5.4	5.4	5.4	5.4	5.4	3.5	3.0	5.2	5.2	5.2	5.2	5.2	5.2	3.5	3.0
64.0	5.0	5.0	5.0	5.0	5.0	5.0	3.5	3.0	4.8	4.8	4.8	4.8	4.8	4.8	3.5	3.0
66.0	4.5	4.5	4.5	4.5	4.5	4.5	3.5	3.0	4.3	4.3	4.3	4.3	4.3	4.3	3.5	3.0
68.0	4.0	4.0	4.0	4.0	4.0	4.0	3.5	3.0	3.8	3.8	3.8	3.8	3.8	3.8	3.5	3.0
70.0	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.0
72.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0
74.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7

Notes

- Above rated loads are based on the machine being operated on firm level ground, within 78% of tipping load at any point of 360° around the machine with forward stability factor of over 1.

Luffing Jib Crane

CCH2000

Specifications

Max. Lifting capacity x working radius		at Post	50.0metric tons x 12.0m
		at Jib	25.0metric tons x 15.1m
Max. lift above ground level			105.0m(60m post+51m jib)
Rope speed	Main drum hoist/lowering		* 110~55/55~28m/min
	Aux. drum hoist/lowering		* 110~55/55~28m/min
	Post hoist/lowering		* 32~14m/min x 2
	Jib hoist/lowering		* 66~30m/min
Part line	at Post	Hook block capacity x Part line	50ton x 4
	at Jib	Hook block capacity x Part line	25ton x 2
	Post hoist	Hook block capacity x Part line	25ton x 2
	Jib hoist	Hook block capacity x Part line	13.5ton x 1
Counterweight			78ton
Weight for body			16ton
Total operating weight (with 60m post+50ton hook+51m jib+25ton hook+jib drum)			215ton
Average ground bearing pressure			115kPa(1.17kg/cm ²)

Note: The rope speed changes depending on the load.

Combination of Post and Jib

Jib length (m)	27	30	33	36	39	42	45	48	51
Post length (m)									
36	●	●	●	●	●	●	●	●	●
39	●	●	●	●	●	●	●	●	●
42	●	●	●	●	●	●	●	●	●
45	●	●	●	●	●	●	●	●	●
48	●	●	●	●	●	●	●	●	●
51	●	●	●	●	●	●	●	●	●
54	●	●	●	●	●	●	●	●	●
57	●	●	●	●	●	●	●	●	●
60	●	●	●	●	●	●	●	●	●

Note: ●:Possible combinations

Wire Rope

Place of use	Rope diameter (mm)	Guaranteed strength (t)	Rope type
Main drum	Φ28	70.2	P·S(19)+39 x P.7
Aux. drum	Φ28	70.2	P·S(19)+39 x P.7
Jib hoist	Φ26	57.8	IWRC6 x P·WS(31)
Post hoist	Φ22	36.3	IWRC6 x P·WS(31)
Jib suspension	Φ84	104.0	IWRC6 x P·WS(36)
Strut suspension	Φ84	104.0	IWRC6 x P·WS(36)
Post suspension	Φ84	104.0	IWRC6 x P·WS(36)

Luffing jib crane Post/jib composition

Post composition

*The following table shows standard combinations of post lengths when ordering the maximum post length specification (60m).

Post length (m)	36.0	39.0	42.0	45.0	48.0	51.0	54.0	57.0	60.0
Post composition									
7.5m inner	1	1	1	1	1	1	1	1	1
9.0m insert	1	1	1	1	1	1	1	1	1
3.0m insert	—	—	1	—	—	1	—	1	2
6.0m insert	1	—	—	1	—	—	1	1	1
9.0m insert	1	2	2	2	3	3	3	3	3
1.5m outer	1	1	1	1	1	1	1	1	1

Notes:

(*1) 9.0m and 3.0m insert posts with the * mark include guardrails for the middle equalizer.

(*2) A pendant cable for extending the jib is also included with the 3.0m-9.0m insert posts.

Jib composition

The following table shows standard combinations of jib lengths when ordering the maximum jib length specification.

Jib length (m)	27	30	33	36	39	42	45	48	51
Jib composition									
9.0m inner	1	1	1	1	1	1	1	1	1
3.0m insert	—	1	—	—	1	—	1	—	1
6.0m insert	—	—	1	—	—	1	1	2	2
9.0m insert	1	1	1	2	2	2	2	2	2
9.0m outer	1	1	1	1	1	1	1	1	1

Optional Auxiliary Jib performance

Specifications

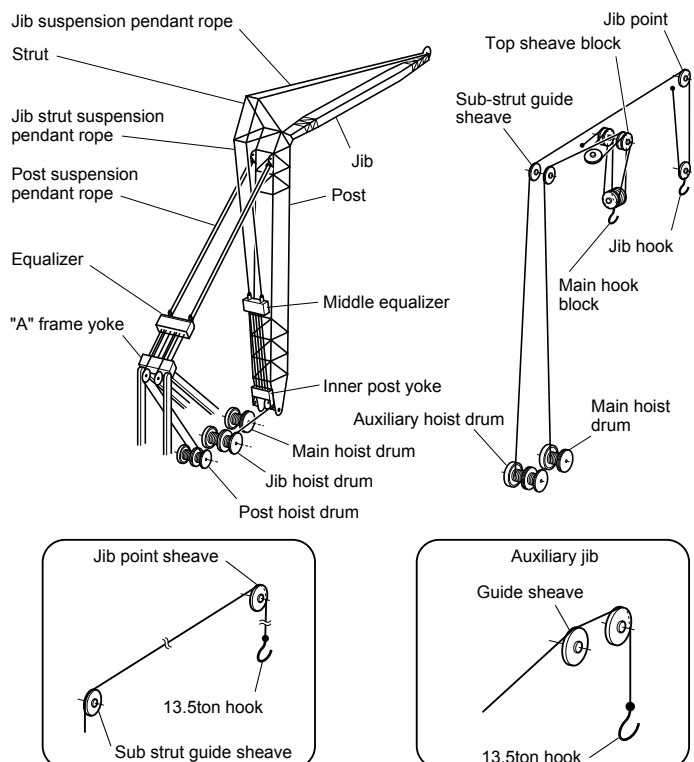
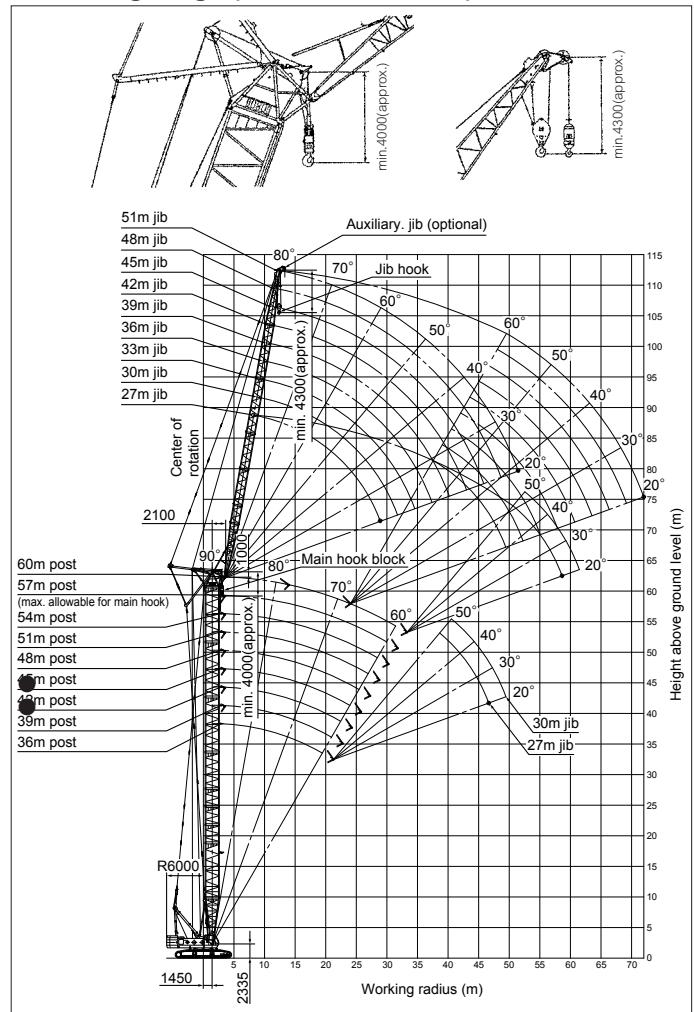
Max. lifting load x working radius (with 36m post+27m jib)	13.5metric tons x 27.6m (on jib hook)
Rope speed Load hoist/lowering	110~55/55~28m/min
Part line Optional aux. jib hoist x Part line	13.5ton x 1

Note: The rope speed changes depending on the load.

Jib combination

The auxiliary jib can be attached to all jibs from 27m to 51m.

Working range (No load condition)



Luffing Jib Crane

CCH2000

■Post rated lifting loads (78ton counterweight, 16ton weight for body)

(Unit:metric ton)

Post length (m)	36.0						39.0								
Jib length (m)	27.0			30.0			27.0			30.0			33.0		
Jib offset angle Working radius (m)	10~20°	20~40°	40°~	10~20°	20~40°	40°~	10~20°	20~40°	40°~	10~20°	20~40°	40°~	10~20°	20~40°	40°~
6.0	6.3m x 50.0	6.3m x 50.0	6.3m x 50.0	6.3m x 50.0	6.3m x 50.0	6.3m x 50.0	6.6m x 50.0	6.6m x 50.0	6.6m x 50.0	6.6m x 50.0	6.6m x 50.0	6.6m x 50.0	6.6m x 50.0	6.6m x 50.0	6.6m x 50.0
7.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
8.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
9.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	9.9m x 50.0
10.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	11.9m x 50.0	11.9m x 50.0	10.5m x 50.0	10.1m x 50.0	49.6
12.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	49.7	49.7	42.9	41.0	39.6
14.0	41.5	41.3	41.3	41.0	40.7	40.7	41.4	41.2	41.2	40.9	40.6	40.6	33.8	31.9	30.5
16.0	32.8	32.6	32.6	32.3	32.0	32.0	32.7	32.5	32.5	32.2	31.9	31.9	25.1	23.2	21.8
18.0	26.5	26.3	26.3	26.0	25.7	25.7	26.3	26.1	26.1	25.8	25.5	25.5	18.7	16.8	15.4
20.0	21.6	21.4	21.4	21.1	20.8	20.8	21.5	21.3	21.3	21.0	20.7	20.7	13.9	12.0	10.6
22.0	17.8	17.6	17.6	17.3	17.0	17.0	17.6	17.4	17.4	17.1	16.8	16.8	10.0	8.1	6.7
24.0	14.7	14.5	14.5	14.2	13.9	13.9	14.6	14.4	14.4	14.1	13.8	13.8	7.0	5.1	3.7
26.0	12.1	11.9	11.9	11.6	11.3	11.3	12.0	11.8	11.8	11.5	11.2	11.2	4.4	2.5	
28.0	10.0	9.8	9.8	9.5	9.2	9.2	9.9	9.7	9.7	9.4	9.1	9.1	2.3		
30.0	8.2	8.0	8.0	7.7	7.4	7.4	8.0	7.8	7.8	7.5	7.2	7.2			
32.0	6.6	6.4	6.4	6.1	5.8	5.8	6.5	6.3	6.3	6.0	5.7	5.7			
34.0	5.2	5.0	5.0	4.7	4.4	4.4	5.1	4.9	4.9	4.6	4.3	4.3			
36.0	34.3m x 5.1	34.3m x 4.9	34.3m x 4.9	34.3m x 4.6	34.3m x 4.3	34.3m x 4.3	3.9	3.7	3.7	3.4	3.1	3.1			
38.0							36.9m x 3.4	36.9m x 3.2	36.9m x 3.2	36.9m x 2.9	36.9m x 2.6	36.9m x 2.6			

Post length (m)	42.0												45.0		
Jib length (m)	27.0			30.0			33.0			36.0			27.0		
Jib offset angle Working radius (m)	10~20°	20~40°	40°~	10~20°	20~40°	40°~	10~20°	20~40°	40°~	10~20°	20~40°	40°~	10~20°	20~40°	40°~
6.0	6.8m x 50.0	6.8m x 50.0	6.8m x 50.0	6.8m x 50.0	6.8m x 50.0	6.8m x 50.0	6.8m x 50.0	6.8m x 50.0	6.8m x 50.0	6.8m x 50.0	6.8m x 50.0	6.8m x 50.0	7.1m x 50.0	7.1m x 50.0	7.1m x 50.0
7.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
8.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
9.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	9.9m x 50.0	50.0	50.0	9.7m x 50.0	50.0	50.0	50.0
10.0	50.0	50.0	50.0	11.9m x 50.0	11.9m x 50.0	11.9m x 50.0	10.5m x 50.0	10.1m x 50.0	49.5	10.4m x 50.0	50.0	48.4	50.0	50.0	50.0
12.0	50.0	50.0	50.0	49.9	49.6	49.6	42.8	40.9	39.5	42.1	40.0	38.4	50.0	50.0	50.0
14.0	41.3	41.1	41.1	40.8	40.5	40.5	33.7	31.8	30.4	33.0	30.9	29.3	41.1	40.9	40.9
16.0	32.6	32.4	32.4	32.1	31.8	31.8	25.0	23.1	21.7	24.3	22.2	20.6	32.4	32.2	32.2
18.0	26.2	26.0	26.0	25.7	25.4	25.4	18.6	16.7	15.3	17.9	15.8	14.2	26.0	25.8	25.8
20.0	21.3	21.1	21.1	20.8	20.5	20.5	13.7	11.8	10.4	13.0	10.9	9.3	21.2	21.0	21.0
22.0	17.5	17.3	17.3	17.0	16.7	16.7	9.9	8.0	6.6	9.2	7.1	5.5	17.3	17.1	17.1
24.0	14.4	14.2	14.2	13.9	13.6	13.6	6.8	4.9	3.5	6.1	4.0	2.4	14.3	14.1	14.1
26.0	11.8	11.6	11.6	11.3	11.0	11.0	4.2	2.3		3.5			11.7	11.5	11.5
28.0	9.7	9.5	9.5	9.2	8.9	8.9	2.1						9.5	9.3	9.3
30.0	7.9	7.7	7.7	7.4	7.1	7.1							7.7	7.5	7.5
32.0	6.3	6.1	6.1	5.8	5.5	5.5							6.1	5.9	5.9
34.0	4.9	4.7	4.7	4.4	4.1	4.1							4.8	4.6	4.6
36.0	3.7	3.5	3.5	3.2	2.9	2.9							3.6	3.4	3.4
38.0	2.7	2.5	2.5	2.2									2.5	2.3	2.3

Post length (m)	45.0												48.0		
Jib length (m)	30.0			33.0			36.0			39.0			27.0		
Jib offset angle Working radius (m)	10~20°	20~40°	40°~	10~20°	20~40°	40°~	10~20°	20~40°	40°~	10~20°	20~40°	40°~	10~20°	20~40°	40°~
6.0															
7.0	7.1m x 50.0	7.1m x 50.0	7.1m x 50.0	7.1m x 50.0	7.1m x 50.0	7.1m x 50.0	7.1m x 50.0	7.1m x 50.0	7.1m x 50.0	7.1m x 50.0	7.1m x 50.0	7.1m x 50.0	7.3m x 50.0	7.3m x 50.0	7.3m x 50.0
8.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
9.0	50.0	50.0	50.0	50.0	50.0	9.8m x 50.0	50.0	9.9m x 50.0	9.6m x 50.0	50.0	9.7m x 50.0	9.2m x 50.0	50.0	50.0	50.0
10.0	11.9m x 50.0	11.9m x 50.0	11.9m x 50.0	10.5m x 50.0	10.1m x 50.0	49.3	10.3m x 50.0	49.8	48.2	10.2m x 50.0	48.6	46.4	50.0	50.0	50.0
12.0	49.7	49.4	49.4	42.6	40.7	39.3	41.9	39.8	38.2	41.1	38.6	36.4	50.0	50.0	50.0
14.0	40.6	40.3	40.3	33.5	31.6	30.2	32.8	30.7	29.1	32.0	29.5	27.3	41.0	40.8	40.8
16.0	31.9	31.6	31.6	24.8	22.9	21.5	24.1	22.0	20.4	23.3	20.8	18.6	32.3	32.1	32.1
18.0	25.5	25.2	25.2	18.4	16.5	15.1	17.7	15.6	14.0	16.9	14.4	12.2	25.9	25.7	25.7
20.0	20.7	20.4	20.4	13.6	11.7	10.3	12.9	10.8	9.2	12.1	9.6	7.4	21.0	20.8	20.8
22.0	16.8	16.5	16.5	9.7	7.8	6.4	9.0	6.9	5.3	8.2	5.7	3.5	17.2	17.0	17.0
24.0	13.8	13.5	13.5	6.7	4.8	3.4	6.0	3.9	2.3	5.2	2.7		14.1	13.9	13.9
26.0	11.2	10.9	10.9	4.1	2.2		3.4			2.6			11.5	11.3	11.3
28.0	9.0	8.7	8.7										9.4	9.2	9.2
30.0	7.2	6.9	6.9										7.6	7.4	7.4
32.0	5.6	5.3	5.3										6.0	5.8	5.8
34.0	4.3	4.0	4.0										4.6	4.4	4.4
36.0	3.1	2.8	2.8										3.4	3.2	3.2
38.0	2.0												2.3	2.1	2.1

Luffing Jib Crane

CCH2000

■Post rated lifting loads (78ton counterweight, 16ton weight for body)

(Unit:metric ton)

Post length (m)	48.0														
Jib length (m)	30.0			33.0			36.0			39.0			42.0		
Jib offset angle															
Working radius (m)	10~20°	20~40°	40°~	10~20°	20~40°	40°~	10~20°	20~40°	40°~	10~20°	20~40°	40°~	10~20°	20~40°	40°~
6.0															
7.0	7.3m x 50.0	7.3m x 50.0	7.3m x 50.0	7.3m x 50.0	7.3m x 50.0	7.3m x 50.0	7.3m x 50.0	7.3m x 50.0	7.3m x 50.0	7.3m x 50.0	7.3m x 50.0	7.3m x 50.0	7.3m x 50.0	7.3m x 50.0	7.3m x 50.0
8.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
9.0	50.0	50.0	50.0	50.0	50.0	9.7m x 50.0	50.0	9.9m x 50.0	9.5m x 50.0	50.0	9.6m x 50.0	9.2m x 50.0	50.0	9.4m x 50.0	50.0
10.0	11.9m x 50.0	11.8m x 50.0	11.8m x 50.0	10.4m x 50.0	50.0	49.2	10.3m x 50.0	49.7	48.1	10.1m x 50.0	48.5	46.3	50.0	47.4	44.7
12.0	49.6	49.3	49.3	42.5	40.6	39.2	41.8	39.7	38.1	41.0	38.5	36.3	40.2	37.4	34.7
14.0	40.5	40.2	40.2	33.4	31.5	30.1	32.7	30.6	29.0	31.9	29.4	27.2	31.1	28.3	25.6
16.0	31.8	31.5	31.5	24.7	22.8	21.4	24.0	21.9	20.3	23.2	20.7	18.5	22.4	19.6	16.9
18.0	25.4	25.1	25.1	18.3	16.4	15.0	17.6	15.5	13.9	16.8	14.3	12.1	16.0	13.2	10.5
20.0	20.5	20.2	20.2	13.4	11.5	10.1	12.7	10.6	9.0	11.9	9.4	7.2	11.1	8.3	5.6
22.0	16.7	16.4	16.4	9.6	7.7	6.3	8.9	6.8	5.2	8.1	5.6	3.4	7.3	4.5	
24.0	13.6	13.3	13.3	6.5	4.6	3.2	5.8	3.7	2.1	5.0	2.5		4.2		
26.0	11.0	10.7	10.7	3.9	2.0		3.2			2.4					
28.0	8.9	8.6	8.6												
30.0	7.1	6.8	6.8												
32.0	5.5	5.2	5.2												
34.0	4.1	3.8	3.8												
36.0	2.9	2.6	2.6												
38.0															

Post length (m)	51.0														
Jib length (m)	27.0			30.0			33.0			36.0			39.0		
Jib offset angle															
Working radius (m)	10~20°	20~40°	40°~	10~20°	20~40°	40°~	10~20°	20~40°	40°~	10~20°	20~40°	40°~	10~20°	20~40°	40°~
6.0															
7.0	7.6m x 50.0	7.6m x 50.0	7.6m x 50.0	7.6m x 50.0	7.6m x 50.0	7.6m x 50.0	7.6m x 50.0	7.6m x 50.0	7.6m x 50.0	7.6m x 50.0	7.6m x 50.0	7.6m x 50.0	7.6m x 50.0	7.6m x 50.0	7.6m x 50.0
8.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
9.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	9.6m x 50.0	50.0	9.8m x 50.0	9.4m x 50.0	50.0	9.5m x 50.0	50.0
10.0	50.0	50.0	50.0	11.8m x 50.0	11.7m x 50.0	11.7m x 50.0	10.3m x 50.0	50.0	49.1	10.2m x 50.0	49.6	48.0	50.0	48.4	46.2
12.0	50.0	50.0	50.0	49.5	49.2	49.2	42.4	40.5	39.1	41.7	39.6	38.0	40.9	38.4	36.2
14.0	40.9	40.7	40.7	40.4	40.1	40.1	33.3	31.4	30.0	32.6	30.5	28.9	31.8	29.3	27.1
16.0	32.1	31.9	31.9	31.6	31.3	31.3	24.5	22.6	21.2	23.8	21.7	20.1	23.0	20.5	18.3
18.0	25.8	25.6	25.6	25.3	25.0	25.0	18.2	16.3	14.9	17.5	15.4	13.8	16.7	14.2	12.0
20.0	20.9	20.7	20.7	20.4	20.1	20.1	13.3	11.4	10.0	12.6	10.5	8.9	11.8	9.3	7.1
22.0	17.1	16.9	16.9	16.6	16.3	16.3	9.5	7.6	6.2	8.8	6.7	5.1	8.0	5.5	3.3
24.0	14.0	13.8	13.8	13.5	13.2	13.2	6.4	4.5	3.1	5.7	3.6	2.0	4.9	2.4	
26.0	11.4	11.2	11.2	10.9	10.6	10.6	3.8			3.1			2.3		
28.0	9.2	9.0	9.0	8.7	8.4	8.4									
30.0	7.4	7.2	7.2	6.9	6.6	6.6									
32.0	5.8	5.6	5.6	5.3	5.0	5.0									
34.0	4.5	4.3	4.3	4.0	3.7	3.7									
36.0	3.3	3.1	3.1	2.8	2.5	2.5									
38.0	2.2	2.0	2.0												

Post length (m)	51.0						54.0								
Jib length (m)	42.0			45.0			27.0			30.0			33.0		
Jib offset angle															
Working radius (m)	10~20°	20~40°	40°~	10~20°	20~40°	40°~	10~20°	20~40°	40°~	10~20°	20~40°	40°~	10~20°	20~40°	40°~
6.0															
7.0	7.6m x 50.0	7.6m x 50.0	7.6m x 50.0	7.6m x 50.0	7.6m x 50.0	7.6m x 50.0	7.9m x 50.0	7.9m x 50.0	7.9m x 50.0	7.9m x 50.0	7.9m x 50.0	7.9m x 50.0	7.9m x 50.0	7.9m x 50.0	7.9m x 50.0
8.0	50.0	50.0	6.9m x 50.0	50.0	50.0	8.5m x 50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
9.0	50.0	9.4m x 50.0	49.6	9.8m x 50.0	50.0	47.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	9.4m x 50.0
10.0	50.0	47.3	44.6	49.4	45.9	42.9	11.9m x 50.0	11.9m x 50.0	11.9m x 50.0	11.6m x 50.0	11.5m x 50.0	11.5m x 50.0	10.1m x 50.0	50.0	48.9
12.0	40.1	37.3	34.6	39.4	35.9	32.9	49.8	49.6	49.6	49.3	49.0	49.0	42.2	40.3	38.9
14.0	31.0	28.2	25.5	30.3	26.8	23.8	40.7	40.5	40.5	40.2	39.9	39.9	33.1	31.2	29.8
16.0	22.2	19.4	16.7	21.5	18.0	15.0	32.0	31.8	31.8	31.5	31.2	31.2	24.4	22.5	21.1
18.0	15.9	13.1	10.4	15.2	11.7	8.7	25.6	25.4	25.4	25.1	24.8	24.8	18.0	16.1	14.7
20.0	11.0	8.2	5.5	10.3	6.8	3.8	20.8	20.6	20.6	20.3	20.0	20.0	13.2	11.3	9.9
22.0	7.2	4.4		6.5	3.0		16.9	16.7	16.7	16.4	16.1	16.1	9.3	7.4	6.0
24.0	4.1			3.4			13.8	13.6	13.6	13.3	13.0	13.0	6.2	4.3	2.9
26.0							11.2	11.0	11.0	10.7	10.4	10.4	3.6		
28.0							9.1	8.9	8.9	8.6	8.3	8.3			
30.0							7.3	7.1	7.1	6.8	6.5	6.5			
32.0							5.7	5.5	5.5	5.2	4.9	4.9			
34.0							4.3	4.1	4.1	3.8	3.5	3.5			
36.0							3.1	2.9	2.9	2.6	2.3	2.3			
38.0							2.0								

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(Unit:metric ton)

Post length (m)	57.0											
Jib length (m)	42.0			45.0			48.0			51.0		
Jib offset angle												
Working radius (m)	10~20°	20~40°	40°~	10~20°	20~40°	40°~	10~20°	20~40°	40°~	10~20°	20~40°	40°~
8.0	8.1m x 50.0	8.1m x 50.0	8.1m x 50.0	8.1m x 50.0	8.1m x 50.0	8.1m x 50.0	8.1m x 50.0	8.1m x 50.0	8.1m x 48.3	8.1m x 50.0	8.1m x 49.8	8.1m x 46.1
9.0	9.9m x 50.0	50.0	49.3	9.8m x 50.0	50.0	47.6	9.6m x 50.0	48.8	45.5	9.4m x 50.0	47.0	43.3
10.0	49.8	47.0	44.3	49.1	45.6	42.6	48.2	43.8	40.5	47.1	42.0	38.3
12.0	39.8	37.0	34.3	39.1	35.6	32.6	38.2	33.8	30.5	37.1	32.0	28.3
14.0	30.7	27.9	25.2	30.0	26.5	23.5	29.1	24.7	21.4	28.0	22.9	19.2
16.0	22.0	19.2	16.5	21.3	17.8	14.8	20.4	16.0	12.7	19.3	14.2	10.5
18.0	15.6	12.8	10.1	14.9	11.4	8.4	14.0	9.6	6.3	12.9	7.8	4.1
20.0	10.7	7.9	5.2	10.0	6.5	3.5	9.1	4.7		8.0	2.9	
22.0	6.9	4.1		6.2	2.7		5.3			4.2		
24.0	3.8			3.1			2.2					

NOTES

1. Above rated loads are based on the machine being operated on firm level ground, within 78% of tipping load at any point of 360° around the machine with forward stability factor of over 1.15.
2. The weight of hook blocks must be considered to be a part of the loads.

For post	For tower jib
50ton hook block···1.00ton	25ton hook block···1.00ton
30ton hook block···1.00ton	13.5ton hook block···0.60ton
3. Depending on the number of part lines, rated load is limited as follows:

2part line·····up to 25.0ton
4part line·····up to 50.0ton
4. The angle of the center line of the post and the center line of the jib (offset angle) must not be less than 10° .
5. The angle of the center line of the jib to level ground (tower jib angle) must not be less than 20° under loaded conditions.
6. When attaching the auxiliary jib, the post rated loads must be reduced by 1.5t from the figure shown in the above table.

Luffing Jib Crane

CCH2000

Jib rated lifting loads (78ton counterweight, 16ton weight for body)

(Unit:metric ton)

Post length (m)	36.0								39.0										
Jib length (m)	27.0				30.0				27.0				30.0				33.0		
Post angle Working radius (m)	90°	80°	70°	60°	90°	80°	70°	60°	90°	80°	70°	60°	90°	80°	70°	60°	90°	80°	70°
8.0	8.3m x 25.0				8.8m x 25.0				8.3m x 25.0				8.8m x 25.0						
9.0	25.0				25.0				25.0				25.0				9.3m x 25.0		
10.0	25.0				25.0				25.0				25.0				25.0		
12.0	25.0				25.0				25.0				25.0				25.0		
14.0	15.1m x 25.0				14.3m x 25.0				15.1m x 25.0				14.3m x 25.0				25.0		
16.0	24.6				23.6				24.6				23.6				23.2		
18.0	23.7	19.0m x 23.3			22.0				23.7	19.5m x 23.0			22.0				21.6		
20.0	22.9	22.9			21.0	21.0			22.9	22.9			21.0	20.5m x 20.8			20.3	21.5m x 19.6	
22.0	21.5	21.5			20.0	20.0			21.5	21.5			20.0	20.0			19.3	19.3	
24.0	19.2	19.2			19.2	19.2			19.2	19.2			19.2	19.2			18.4	18.4	
26.0	16.0	16.0			17.9	17.9			16.0	16.0			17.9	17.9			18.0	18.0	
28.0	13.6	13.6	29.1m x 12.8		15.7	15.7			13.6	13.6			15.7	15.7			16.2	16.2	
30.0	28.4m x 13.4	12.1	12.1		12.6	12.6	30.6m x 12.2		28.4m x 13.4	12.1	30.1m x 12.1		12.6	12.6	31.6m x 11.5		14.1	14.1	
32.0		11.2	11.2		31.3m x 11.7	11.1	11.1			11.2	11.2		31.3m x 11.7	11.1	11.1		12.1	12.1	33.1m x 11.2
34.0		10.7	10.7			10.5	10.5			10.7	10.7			10.5	10.5		10.5	10.5	10.5
36.0		34.7m x 10.5	10.1			9.9	9.9			35.2m x 10.3	10.1			9.9	9.9		34.1m x 10.5	9.4	9.4
38.0			9.5	38.4m x 9.3		37.5m x 9.5	9.4				9.5	39.9m x 8.8		9.4	9.4			9.0	9.0
40.0			8.7	8.7			8.5	40.4m x 8.4			8.7	8.7			8.5	41.9m x 8.0		8.5	8.5
42.0			40.6m x 8.6	8.2			8.0	8.0			41.6m x 8.3	8.2			8.0	8.0		40.8m x 8.3	8.0
44.0				7.6			43.4m x 7.6	7.5				7.6			7.5	7.5			7.5
46.0				7.2				7.0				7.2			44.4m x 7.4	7.0			7.0
48.0				46.1m x 7.2				6.6				47.6m x 6.8				6.6			47.3m x 6.7
50.0								49.0m x 6.4								6.2			
52.0																50.5m x 6.1			

Post length (m)	42.0																45.0			
Jib length (m)	27.0				30.0				33.0				36.0				27.0			
Post angle Working radius (m)	90°	80°	70°	60°	90°	80°	70°	60°	90°	80°	70°	90°	80°	70°	90°	80°	90°	80°	70°	60°
8.0	8.3m x 25.0				8.8m x 25.0												8.3m x 25.0			
9.0	25.0				25.0				9.3m x 25.0			9.8m x 23.5					25.0			
10.0	25.0				25.0				25.0			23.5					25.0			
12.0	25.0				25.0				25.0			23.5					25.0			
14.0	15.1m x 25.0				14.3m x 25.0				25.0			14.8m x 23.5					15.1m x 25.0			
16.0	24.6				23.6				23.2			22.4					24.6			
18.0	23.7				22.0				21.6			20.6					23.7			
20.0	22.9	22.9			21.0	21.0m x 20.5			20.3			19.4					22.9	20.5m x 22.5		
22.0	21.5	21.5			20.0	20.0			19.3	22.1m x 19.3		18.4	23.1m x 18.0				21.5	21.5		
24.0	19.2	19.2			19.2	19.2			18.4	18.4		17.6	17.6				19.2	19.2		
26.0	16.0	16.0			17.9	17.9			18.0	18.0		16.8	16.8				16.0	16.0		
28.0	13.6	13.6			15.7	15.7			16.2	16.2		16.1	16.1				13.6	13.6		
30.0	28.4m x 13.4	12.1	31.2m x 11.6		12.6	12.6			14.1	14.1		14.4	14.4				28.4m x 13.4	12.1		
32.0		11.2	11.2		31.3m x 11.7	11.1	32.7m x 10.9		12.1	12.1		13.1	13.1				11.2	32.2m x 11.2		
34.0		10.7	10.7			10.5	10.5		10.5	10.5	34.2m x 10.5	11.5	11.5	35.7m x 10.1			10.7	10.7		
36.0		35.7m x 10.2	10.1			9.9	9.9		34.1m x 10.5	9.4	9.4	9.9	9.9	9.9			10.1	10.1		
38.0			9.5			9.4	9.4			9.0	9.0	36.9m x 9.3	8.7	8.7			36.2m x 10.0	9.5		
40.0			8.7	41.4m x 8.3		38.5m x 9.1	8.5			8.5	8.5		8.3	8.3				8.7		
42.0			8.2	8.2			8.0	43.4m x 7.7		41.3m x 8.2	8.0		7.9	7.9				8.2	42.9m x 7.9	
44.0			42.7m x 8.0	7.6			7.5	7.5			7.5		7.4	7.4				43.7m x 7.7	7.6	
46.0				7.2			45.5m x 7.1	7.0			7.0		44.1m x 7.4	7.0					7.2	
48.0				6.7				6.6			6.6			6.5					6.7	
50.0				49.1m x 6.4				6.2			48.3m x 6.5			6.1					6.2	
52.0								5.8						51.1m x 5.9					50.6m x 6.1	

Notes

- Above rated loads are based on the machine being operated on firm level ground, within 78% of tipping load at any point of 360° around the machine with forward stability factor of over 1.15.
- The weight of hook blocks must be considered to be a part of the loads.
50ton hook block...1.00ton 30ton hook block...1.00ton
25ton hook block...1.00ton 13.5ton hook block...0.60ton
- Depending on the number of part lines, rated load is limited as follows:
1part line.....up to 13.5ton
2part line.....up to 25.0ton
- The angle of the center line of the post and the center line of the jib (offset angle) must not be less than 10°.

- The angle of the center line of the jib to level ground (tower jib angle) must not be less than 20° under loaded conditions.
- The auxiliary jib can be attached to all jibs(27m-51m).
- When attaching the auxiliary jib, the jib rated loads must be reduced by 0.5t from the figure shown in the above table.
- The rated loads of the auxiliary jib is equivalent to that of jib attached but to be reduced by 0.5ton. The maximum rated load of the auxiliary jib is 13.5ton.

Luffing Jib Crane

CCH2000

Jib rated lifting loads (78ton counterweight, 16ton weight for body) (Unit:metric ton)

Post length (m)	45.0													48.0			
Jib length (m)	30.0				33.0			36.0			39.0			27.0			
Post angle	90°	80°	70°	60°	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°	60°
Working radius (m)																	
8.0	8.8m x 25.0													8.3m x 25.0			
9.0	25.0				9.3m x 25.0			9.8m x 23.5						25.0			
10.0	25.0				25.0			23.5			10.3m x 21.5			25.0			
12.0	25.0				25.0			23.5			21.5			25.0			
14.0	14.3m x 25.0				25.0			14.8m x 23.5			15.1m x 21.5			15.1m x 25.0			
16.0	23.6				23.2			22.4			21.0			24.6			
18.0	22.0				21.6			20.6			19.8			23.7			
20.0	21.0	21.6m x 20.2			20.3			19.4			18.6			22.9	21.0m x 22.2		
22.0	20.0	20.0			19.3	22.6m x 19.0		18.4	23.6m x 17.8		17.6			21.5	21.5		
24.0	19.2	19.2			18.4	18.4		17.6	17.6		16.8	24.6m x 16.4		19.2	19.2		
26.0	17.9	17.9			18.0	18.0		16.8	16.8		15.7	15.7		16.0	16.0		
28.0	15.7	15.7			16.2	16.2		16.1	16.1		15.0	15.0		13.6	13.6		
30.0	12.6	12.6			14.1	14.1		14.4	14.4		14.5	14.5		28.4m x 13.4	12.1		
32.0	31.3m x 11.7	11.1	33.7m x 10.6		12.1	12.1		13.1	13.1		13.1	13.1			11.2	33.2m x 10.9	
34.0		10.5	10.5		10.5	10.5	35.2m x 9.9	11.5	11.5		11.7	11.7			10.7	10.7	
36.0		9.9	9.9		34.1m x 10.5	9.4	9.4	9.9	9.9	36.7m x 9.4	10.4	10.4			10.1	10.1	
38.0		9.4	9.4			9.0	9.0	36.9m x 9.3	8.7	8.7	9.2	9.2	38.2m x 9.1		36.7m x 9.9	9.5	
40.0		39.0m x 9.0	8.5			8.5	8.5		8.3	8.3	39.7m x 8.3	8.2	8.2			8.7	
42.0			8.0			41.8m x 8.1	8.0		7.9	7.9		7.7	7.7			8.2	
44.0			7.5	44.9m x 7.3			7.5		7.4	7.4		7.3	7.3			7.6	44.4m x 7.5
46.0			7.0	7.0			7.0		44.7m x 7.3	7.0		6.8	6.8			44.7m x 7.5	7.2
48.0			46.5m x 6.9	6.6			6.6			6.5		47.5m x 6.5	6.4				6.7
50.0				6.2			49.3m x 6.3			6.1			6.1				6.2
52.0				5.8						5.7			5.7				5.8
54.0				53.5m x 5.6						52.1m x 5.7			5.4				52.1m x 5.8
56.0													55.0m x 5.2				

Post length (m)	48.0															
Jib length (m)	30.0				33.0			36.0			39.0			42.0		
Post angle Working radius (m)	90°	80°	70°	60°	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°
8.0	8.8m x 25.0															
9.0	25.0				9.3m x 25.0			9.8m x 23.5								
10.0	25.0				25.0			23.5			10.3m x 21.5			10.9m x 19.0		
12.0	25.0				25.0			23.5			21.5			19.0		
14.0	14.3m x 25.0				25.0			14.8m x 23.5			15.1m x 21.5			19.0		
16.0	23.6				23.2			22.4			21.0			16.7m x 19.0		
18.0	22.0				21.6			20.6			19.8			18.8		
20.0	21.0				20.3			19.4			18.6			18.4		
22.0	20.0	22.1m x 20.0			19.3	23.1m x 18.8		18.4			17.6			17.4		
24.0	19.2	19.2			18.4	18.4		17.6	24.1m x 17.6		16.8	25.1m x 16.2		16.5		
26.0	17.9	17.9			18.0	18.0		16.8	16.8		15.7	15.7		15.5	26.2m x 15.4	
28.0	15.7	15.7			16.2	16.2		16.1	16.1		15.0	15.0		14.7	14.7	
30.0	12.6	12.6			14.1	14.1		14.4	14.4		14.5	14.5		14.1	14.1	
32.0	31.3m x 11.7	11.1			12.1	12.1		13.1	13.1		13.1	13.1		13.1	13.1	
34.0		10.5	34.7m x 10.3		10.5	10.5		11.5	11.5		11.7	11.7		11.8	11.8	
36.0		9.9	9.9		34.1m x 10.5	9.4	36.2m x 9.4	9.9	9.9	37.7m x 8.8	10.4	10.4		10.7	10.7	
38.0		9.4	9.4			9.0	9.0	36.9m x 9.3	8.7	8.7	9.2	9.2	39.2m x 8.6	9.6	9.6	
40.0		39.5m x 8.7	8.5			8.5	8.5		8.3	8.3	39.7m x 8.3	8.2	8.2	8.5	8.5	40.7m x 8.2
42.0			8.0			8.0	8.0		7.9	7.9		7.7	7.7	7.6	7.6	7.6
44.0			7.5			42.4m x 7.9	7.5		7.4	7.4		7.3	7.3	42.5m x 7.4	7.0	7.0
46.0			7.0	46.4m x 6.9			7.0		45.2m x 7.2	7.0		6.8	6.8		6.7	6.7
48.0			47.5m x 6.7	6.6			6.6			6.5		6.4	6.4		6.3	6.3
50.0				6.2			6.2			6.1			6.1		6.0	6.0
52.0				5.8			50.3m x 6.1			5.7			5.7		50.8m x 5.9	5.7
54.0				5.5						53.2m x 5.5			5.4			5.4
56.0				55.0m x 5.3									5.0			5.0
58.0																4.8
60.0																58.8m x 4.7

Luffing Jib Crane

CCH2000

Jib rated lifting loads (78ton counterweight, 16ton weight for body)

(Unit:metric ton)

Post length (m)	51.0																
Jib length (m)	27.0				30.0				33.0			36.0			39.0		
Post angle	90°	80°	70°	60°	90°	80°	70°	60°	90°	80°	70°	90°	80°	70°	90°	80°	70°
Working radius (m)	90°	80°	70°	60°	90°	80°	70°	60°	90°	80°	70°	90°	80°	70°	90°	80°	70°
8.0	8.3m x 25.0				8.8m x 25.0												
9.0	25.0				25.0				9.3m x 25.0			9.8m x 23.5					
10.0	25.0				25.0				25.0			23.5			10.3m x 21.5		
12.0	25.0				25.0				25.0			23.5			21.5		
14.0	15.1m x 25.0				14.3m x 25.0				25.0			14.8m x 23.5			15.1m x 21.5		
16.0	24.6				23.6				23.2			22.4			21.0		
18.0	23.7				22.0				21.6			20.6			19.8		
20.0	22.9	21.6m x 21.7			21.0				20.3			19.4			18.6		
22.0	21.5	21.5			20.0	22.6m x 19.8			19.3	23.6m x 18.6		18.4			17.6		
24.0	19.2	19.2			19.2	19.2			18.4	18.4		17.6	24.6m x 17.4		16.8	25.7m x 15.9	
26.0	16.0	16.0			17.9	17.9			18.0	18.0		16.8	16.8		15.7	15.7	
28.0	13.6	13.6			15.7	15.7			16.2	16.2		16.1	16.1		15.0	15.0	
30.0	28.4m x 13.4	12.1			12.6	12.6			14.1	14.1		14.4	14.4		14.5	14.5	
32.0		11.2			31.3m x 11.7	11.1			12.1	12.1		13.1	13.1		13.1	13.1	
34.0		10.7	34.2m x 10.6			10.5	35.7m x 10.0		10.5	10.5		11.5	11.5		11.7	11.7	
36.0		10.1	10.1			9.9	9.9		34.1m x 10.5	9.4	37.2m x 9.2	9.9	9.9		10.4	10.4	
38.0		37.2m x 9.7	9.5			9.4	9.4			9.0	9.0	36.9m x 9.3	8.7	38.7m x 8.5	9.2	9.2	
40.0			8.7			8.5	8.5			8.5	8.5		8.3	8.3	39.7m x 8.3	8.2	40.2m x 8.1
42.0			8.2			40.1m x 8.5	8.0			8.0	8.0		7.9	7.9		7.7	7.7
44.0			7.6	45.9m x 7.2			7.5			42.9m x 7.8	7.5		7.4	7.4		7.3	7.3
46.0			45.7m x 7.2	7.2			7.0	47.9m x 6.6			7.0		45.7m x 7.1	7.0		6.8	6.8
48.0				6.7			6.6	6.6			6.6			6.5		6.4	6.4
50.0				6.2			48.6m x 6.5	6.2			6.2			6.1		48.5m x 6.3	6.1
52.0				5.8				5.8			51.4m x 5.9			5.7			5.7
54.0				53.6m x 5.5				5.5						5.4			5.4
56.0								5.1						54.2m x 5.3			5.0
58.0								56.5m x 5.1									57.0m x 4.9

Post length (m)	51.0						54.0										
Jib length (m)	42.0			45.0			27.0				30.0				33.0		
Post angle	90°	80°	70°	90°	80°	70°	90°	80°	70°	60°	90°	80°	70°	60°	90°	80°	70°
Working radius (m)																	
8.0							8.3m x 25.0				8.8m x 25.0						
9.0							25.0				25.0				9.3m x 25.0		
10.0	10.9m x 19.0			11.4m x 15.5			25.0				25.0				25.0		
12.0	19.0			15.5			25.0				25.0				25.0		
14.0	19.0			15.5			15.1m x 25.0				14.3m x 25.0				25.0		
16.0	16.7m x 19.0			15.5			24.6				23.6				23.2		
18.0	18.8			19.1m x 15.5			23.7				22.0				21.6		
20.0	18.4			15.4			22.9				21.0				20.3		
22.0	17.4			15.0			21.5	22.1m x 21.3			20.0	23.1m x 19.5			19.3		
24.0	16.5			14.6			19.2	19.2			19.2	19.2			18.4	24.1m x 18.4	
26.0	15.5	26.7m x 15.2		14.0	27.7m x 13.3		16.0	16.0			17.9	17.9			18.0	18.0	
28.0	14.7	14.7		13.2	13.2		13.6	13.6			15.7	15.7			16.2	16.2	
30.0	14.1	14.1		12.7	12.7		28.4m x 13.4	12.1			12.6	12.6			14.1	14.1	
32.0	13.1	13.1		12.0	12.0			11.2			31.3m x 11.7	11.1			12.1	12.1	
34.0	11.8	11.8		11.3	11.3			10.7	35.3m x 10.3			10.5			10.5	10.5	
36.0	10.7	10.7		10.6	10.6			10.1	10.1			9.9	36.8m x 9.7		34.1m x 10.5	9.4	
38.0	9.6	9.6		9.7	9.7			37.8m x 9.5	9.5			9.4	9.4			9.0	38.3m x 8.9
40.0	8.5	8.5	41.7m x 7.7	8.8	8.8				8.7			8.5	8.5			8.5	8.5
42.0	7.6	7.6	7.6	8.0	8.0	43.2m x 7.4			8.2			40.6m x 8.4	8.0			8.0	8.0
44.0	42.5m x 7.4	7.0	7.0	7.0	7.0	7.0			7.6				7.5		43.4m x 7.7		7.5
46.0		6.7	6.7	45.3m x 6.7	6.5	6.5			7.2	47.4m x 6.8			7.0				7.0
48.0		6.3	6.3		6.2	6.2			46.8m x 7.0	6.7			6.6	49.4m x 6.3			6.6
50.0		6.0	6.0		5.9	5.9				6.2			49.6m x 6.3	6.2			6.2
52.0		51.3m x 5.8	5.7		5.6	5.6				5.8				5.8			5.8
54.0			5.4		5.4	5.4				5.5				5.5			52.4m x 5.7
56.0			5.0		54.2m x 5.3	5.0				55.2m x 5.3				5.1			
58.0			4.8			4.8								4.9			
60.0			59.8m x 4.6			4.6											
62.0						4.4											
64.0						62.7m x 4.3											

Luffing Jib Crane

CCH2000

Jib rated lifting loads (78ton counterweight, 16ton weight for body)

(Unit:metric ton)

Post length (m)		54.0														
Jib length (m)		36.0			39.0			42.0			45.0			48.0		
Working radius (m)	Post angle	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°
9.0	9.8m x 23.5															
10.0	23.5				10.3m x 21.5			10.9m x 19.0			11.4m x 15.5			11.9m x 14.0		
12.0	23.5				21.5			19.0			15.5			14.0		
14.0	14.8m x 23.5				15.1m x 21.5			19.0			15.5			14.0		
16.0	22.4				21.0			16.7m x 19.0			15.5			14.0		
18.0	20.6				19.8			18.8			19.1m x 15.5			14.0		
20.0	19.4				18.6			18.4			15.4			13.5		
22.0	18.4				17.6			17.4			15.0			13.0		
24.0	17.6	25.2m x 17.1			16.8			16.5			14.6			12.6		
26.0	16.8	16.8			15.7	26.2m x 15.7		15.5	27.2m x 15.0		14.0			12.2		
28.0	16.1	16.1			15.0	15.0		14.7	14.7		13.2	28.2m x 13.2		11.7	29.3m x 11.4	
30.0	14.4	14.4			14.5	14.5		14.1	14.1		12.7	12.7		11.2	11.2	
32.0	13.1	13.1			13.1	13.1		13.1	13.1		12.0	12.0		10.5	10.5	
34.0	11.5	11.5			11.7	11.7		11.8	11.8		11.3	11.3		9.9	9.9	
36.0	9.9	9.9			10.4	10.4		10.7	10.7		10.6	10.6		9.4	9.4	
38.0	36.9m x 9.3	8.7	39.8m x 8.3		9.2	9.2		9.6	9.6		9.7	9.7		8.7	8.7	
40.0		8.3	8.3	39.7m x 8.3	8.2	41.3m x 7.9		8.5	8.5		8.8	8.8		8.1	8.1	
42.0		7.9	7.9		7.7	7.7		7.6	7.6	42.8m x 7.3	8.0	8.0		7.6	7.6	
44.0		7.4	7.4		7.3	7.3		42.5m x 7.4	7.0	7.0	7.0	7.0	44.3m x 6.9	7.1	7.1	45.8m x 6.5
46.0		7.0	7.0		6.8	6.8		6.7	6.7	45.3m x 6.7	6.5	6.5		6.5	6.5	
48.0		46.2m x 6.9	6.5		6.4	6.4		6.3	6.3		6.2	6.2		5.8	5.8	5.8
50.0			6.1		49.1m x 6.2	6.1		6.0	6.0		5.9	5.9		48.2m x 5.8	5.5	5.5
52.0			5.7			5.7		5.7	5.7		5.6	5.6			5.3	5.3
54.0			5.4			5.4			5.4		5.4	5.4			5.1	5.1
56.0			55.2m x 5.2			5.0		5.0		5.0	54.7m x 5.3	5.0			4.8	4.8
58.0						4.8			4.8			4.8			57.5m x 4.6	4.5
60.0										4.6			4.6			4.3
62.0									60.9m x 4.5				4.4			4.0
64.0												63.7m x 4.2				3.8
66.0																3.6
68.0																66.5m x 3.5

Post length (m)	57.0																	
Jib length (m)	27.0				30.0				33.0			36.0			39.0			
Post angle	90°	80°	70°	60°	90°	80°	70°	60°	90°	80°	70°	90°	80°	70°	90°	80°	70°	
Working radius (m)	90°	80°	70°	60°	90°	80°	70°	60°	90°	80°	70°	90°	80°	70°	90°	80°	70°	
8.0	8.3m x 25.0				8.8m x 25.0													
9.0	25.0				25.0				9.3m x 25.0			9.8m x 23.5						
10.0	25.0				25.0				25.0			23.5			10.3m x 21.5			
12.0	25.0				25.0				25.0			23.5			21.5			
14.0	15.1m x 25.0				14.3m x 25.0				25.0			14.8m x 23.5			15.1m x 21.5			
16.0	24.6				23.6				23.2			22.4			21.0			
18.0	23.7				22.0				21.6			20.6			19.8			
20.0	22.9				21.0				20.3			19.4			18.6			
22.0	21.5	22.6m x 20.8			20.0	23.6m x 19.3			19.3			18.4			17.6			
24.0	19.2	19.2			19.2	19.2			18.4	24.7m x 18.3		17.6	25.7m x 16.9		16.8			
26.0	16.0	16.0			17.9	17.9			18.0	18.0		16.8	16.8		15.7	26.7m x 15.5		
28.0	13.6	13.6			15.7	15.7			16.2	16.2		16.1	16.1		15.0	15.0		
30.0	28.4m x 13.4	12.1			12.6	12.6			14.1	14.1		14.4	14.4		14.5	14.5		
32.0		11.2			31.3m x 11.7	11.1			12.1	12.1		13.1	13.1		13.1	13.1		
34.0		10.7				10.5			10.5	10.5		11.5	11.5		11.7	11.7		
36.0		10.1	36.3m x 10.0			9.9	37.8m x 9.4		34.1m x 10.5	9.4		9.9	9.9		10.4	10.4		
38.0		9.5	9.5			9.4	9.4			9.0	39.3m x 8.7	36.9m x 9.3	8.7		9.2	9.2		
40.0		38.3m x 9.4	8.7			8.5	8.5			8.5	8.5		8.3	40.8m x 8.2	39.7m x 8.3	8.2		
42.0			8.2			41.1m x 8.2	8.0			8.0	8.0		7.9	7.9		7.7	42.3m x 7.7	
44.0			7.6				7.5			7.5	7.5		7.4	7.4		7.3	7.3	
46.0			7.2				7.0				7.0		7.0	7.0		6.8	6.8	
48.0			47.8m x 6.8	48.9m x 6.5			6.6				6.6		46.8m x 6.8	6.5		6.4	6.4	
50.0				6.2			6.2	50.9m x 6.0			6.2			6.1		49.6m x 6.2	6.1	
52.0				5.8			50.7m x 6.1	5.8			5.8			5.7			5.7	
54.0				5.5				5.5			53.5m x 5.6			5.4			5.4	
56.0				5.1				5.1						5.0			5.0	
58.0				56.7m x 5.0				4.9						56.3m x 5.0			4.8	
60.0								59.5m x 4.7									59.1m x 4.7	

Luffing Jib Crane

CCH2000

Jib rated lifting loads (78ton counterweight, 16ton weight for body)

(Unit:metric ton)

Post length (m)	57.0												60.0							
Jib length (m)	42.0			45.0			48.0			51.0			27.0				30.0			
Post angle	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°	60°	90°	80°	70°	60°
Working radius (m)																				
8.0													8.3m x 25.0				8.8m x 25.0			
9.0													25.0				25.0			
10.0	10.9m x 19.0			11.4m x 15.5			11.9m x 14.0						25.0				25.0			
12.0	19.0			15.5			14.0			12.4m x 13.1			25.0				25.0			
14.0	19.0			15.5			14.0			13.1			15.1m x 25.0				14.3m x 25.0			
16.0	16.7m x 19.0			15.5			14.0			13.1			24.6				23.6			
18.0	18.8			19.1m x 15.5			14.0			13.1			23.7				22.0			
20.0	18.4			15.4			13.5			12.8			22.9				21.0			
22.0	17.4			15.0			13.0			12.4			21.5	23.1m x 20.2			20.0			
24.0	16.5			14.6			12.6			12.0			19.2	19.2			19.2	24.2m x 19.0		
26.0	15.5	27.7m x 14.8		14.0			12.2			11.5			16.0	16.0			17.9	17.9		
28.0	14.7	14.7		13.2	28.8m x 13.0		11.7	29.8m x 11.2		11.0			13.6	13.6			15.7	15.7		
30.0	14.1	14.1		12.7	12.7		11.2	11.2		10.4	30.8m x 10.2		28.4m x 13.4	12.1			12.6	12.6		
32.0	13.1	13.1		12.0	12.0		10.5	10.5		9.8	9.9			11.2			31.3m x 11.7	11.1		
34.0	11.8	11.8		11.3	11.3		9.9	9.9		9.1	9.4			10.7				10.5		
36.0	10.7	10.7		10.6	10.6		9.4	9.4		8.5	8.9			10.1	37.3m x 9.7			9.9		
38.0	9.6	9.6		9.7	9.7		8.7	8.7		7.8	8.3			9.5	9.5			9.4	38.8m x 9.0	
40.0	8.5	8.5		8.8	8.8		8.1	8.1		7.3	7.8			38.9m x 9.1	8.7			8.5	8.5	
42.0	7.6	7.6	43.8m x 7.0	8.0	8.0		7.6	7.6		6.7	7.2				8.2			41.7m x 8.1	8.0	
44.0	42.5m x 7.4	7.0	7.0	7.0	7.0	45.3m x 6.7	7.1	7.1		6.2	6.5				7.6				7.5	
46.0		6.7	6.7	45.3m x 6.7	6.5	6.5	6.5	6.5	46.8m x 6.2	5.7	6.1				7.2				7.0	
48.0		6.3	6.3		6.2	6.2	5.8	5.8	5.8	5.2	5.7	48.3m x 5.6			6.7				6.6	
50.0		6.0	6.0		5.9	5.9	48.2m x 5.8	5.5	5.5	4.7	5.3	5.3			48.9m x 6.5	50.4m x 6.1			6.2	
52.0		5.7	5.7		5.6	5.6		5.3	5.3	51.0m x 4.4	5.0	5.0				5.8		51.7m x 5.9	52.4m x 5.7	
54.0		52.4m x 5.6	5.4		5.4	5.4		5.1	5.1		4.8	4.8				5.5			5.5	
56.0			5.0		55.2m x 5.2	5.0		4.8	4.8		4.5	4.5				5.1			5.1	
58.0			4.8			4.8		4.5	4.5		4.2	4.2				4.9			4.9	
60.0			4.6			4.6			4.3		4.0	4.0				58.2m x 4.9			4.7	
62.0			4.4			4.4			4.0		60.8m x 3.9	3.8							61.0m x 4.6	
64.0						4.2			3.8			3.6								
66.0						64.7m x 4.1			3.6			3.4								
68.0									67.5m x 3.5			3.2								
70.0												3.0								
72.0												70.3m x 3.0								

Post length (m)	60.0																				
Jib length (m)	33.0			36.0			39.0			42.0			45.0			48.0			51.0		
Post angle	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°
Working radius (m)																					
9.0	9.3m x 25.0			9.8m x 23.5						10.9m x 19.0			11.4m x 15.5			11.9m x 14.0					
10.0	25.0			23.5						10.3m x 21.5			19.0			15.5			14.0		12.4m x 13.1
12.0	25.0			23.5						21.5			19.0			15.5			14.0		13.1
14.0	25.0			14.8m x 23.5			15.1m x 21.5			19.0			16.7m x 19.0			15.5			14.0		13.1
16.0	23.2			22.4			21.0			18.8			19.1m x 15.5			14.0			13.1		
18.0	21.6			20.6			19.8			18.4			15.4			13.5			12.8		
20.0	20.3			19.4			18.6			17.4			15.0			13.0			12.4		
22.0	19.3			18.4			17.6			16.5			14.6			12.6			12.0		
24.0	18.4	25.2m x 18.1		17.6			16.8			15.5			14.0			12.2			11.5		
26.0	18.0	18.0		16.8	26.2m x 16.7		15.7	27.2m x 15.3		15.5			13.2	29.3m x 12.3		11.7			11.0		
28.0	16.2	16.2		16.1	16.1		15.0	15.0		14.7	28.3m x 14.6		13.2			11.7			11.0		
30.0	14.1	14.1		14.4	14.4		14.5	14.5		14.1	14.1		12.7	12.7		11.2	30.3m x 11.1		10.4	31.3m x 10.0	
32.0	12.1	12.1		13.1	13.1		13.1	13.1		13.1	13.1		12.0	12.0		10.5	10.5		9.8	9.9	
34.0	10.5	10.5		11.5	11.5		11.7	11.7		11.8	11.8		11.3	11.3		9.9	9.9		9.1	9.4	
36.0	34.1m x 10.5	9.4		9.9	9.9		10.4	10.4		10.7	10.7		10.6	10.6		9.4	9.4		8.5	8.9	
38.0		9.0		36.9m x 9.3	8.7		9.2	9.2		9.6	9.6		9.7	9.7		8.7	8.7		7.8	8.3	
40.0		8.5	40.3m x 8.4		8.3	41.8m x 7.9	39.7m x 8.3	8.2		8.5	8.5		8.8	8.8		8.1	8.1		7.3	7.8	
42.0		8.0	8.0		7.9	7.9		7.7	43.3m x 7.4	7.6	7.6		8.0	8.0		7.6	7.6		6.7	7.2	
44.0		7.5	7.5		7.4	7.4		7.3	7.3	42.5m x 7.4	7.0	44.8m x 6.9	7.0	7.0		7.1	7.1		6.2	6.5	
46.0		44.5m x 7.4	7.0		7.0	7.0		6.8	6.8		6.7	6.7	45.3m x 6.7	6.5	46.3m x 6.5	6.5	6.5	47.8m x 5.9	5.7	6.1	
48.0			6.6		47.4m x 6.6	6.5		6.4	6.4		6.3	6.3		6.2	6.2	5.8	5.8	5.8	5.2	5.7	49.3m x 5.4
50.0			6.2			6.1		6.1	6.1		6.0	6.0		5.9	5.9	48.2m x 5.8	5.5	5.5	4.7	5.3	5.3
52.0			5.8			5.7		50.2m x 6.0	5.7		5.7	5.7		5.6	5.6		5.3	5.3	51.0m x 4.4	5.0	5.0
54.0			5.5			5.4			5.4		53.0m x 5.5	5.4		5.4	5.4		5.1	5.1		4.8	4.8
56.0			54.5m x 5.4			5.0			5.0			5.0		55.8m x 5.1	5.0		4.8	4.8		4.5	4.5
58.0						57.4m x 4.9			4.8			4.8			4.8		4.5	4.5		4.2	4.2
60.0								4.6			4.6				4.6		58.6m x 4.4	4.3		4.0	4.0
62.0								60.2m x 4.6			4.4				4.4			4.0		61.4m x 3.9	3.8
64.0											63.0m x 4.3					4.2			3.8		3.6
66.0																65.8m x 4.0			3.6		3.4
68.0																					3.2
70.0																			68.6m x 3.3		3.0
72.0																					71.5m x 2.9

Luffing Tower Crane

CCH2000

Specifications

Max. Lifting capacity x working radius		25.0metric tons x 15.1m	
Max. lift above ground level		105.0m(60m post+51m jib)	
Rope speed	Main drum hoist/lowering		* 110~55/55~28m/min
	Post hoist/lowering		* 32~14m/min x 2
	Jib hoist/lowering		* 110~55/55~28m/min
Part line	Main drum	Hook block capacity x Part line	25ton x 2
	hoist	Hook block capacity x Part line	13.5ton x 1
	Post hoist		18
	Jib hoist		8
Counterweight			78ton
Weight for body			16ton
Total operating weight (with 60m post+51m jib+25ton hook)			211ton
Average ground bearing pressure			113kPa(1.15kg/cm²)

Note: The rope speed changes depending on the load.

Combination of post and Jib

Jib length (m)	27	30	33	36	39	42	45	48	51
Post length (m)									
36	●	●	●	●	●	●	●	●	●
39	●	●	●	●	●	●	●	●	●
42	●	●	●	●	●	●	●	●	●
45	●	●	●	●	●	●	●	●	●
48	●	●	●	●	●	●	●	●	●
51	●	●	●	●	●	●	●	●	●
54	●	●	●	●	●	●	●	●	●
57	●	●	●	●	●	●	●	●	●
60	●	●	●	●	●	●	●	●	●

Note: ●:Possible combinations

Wire Rope

Place of use	Rope diameter (mm)	Guaranteed strength (t)	Rope type
Hook hoist	φ28	70.2	P•S(19)+39 x P.7
Jib hoist	φ26	61.0	P•S(19)+39 x P.7
Post hoist	φ22	36.3	IWRC6 x P•WS(31)
Jib suspension	φ84	104.0	IWRC6 x P•WS(36)
Strut suspension	φ84	104.0	IWRC6 x P•WS(36)
Post suspension	φ84	104.0	IWRC6 x P•WS(36)

Luffing tower crane post composition

The following table shows standard combinations of post lengths when ordering the maximum post length specification (60m).

Post length (m)	36.0	39.0	42.0	45.0	48.0	51.0	54.0	57.0	60.0
Post composition									
7.5m inner	1	1	1	1	1	1	1	1	1
3.0m insert	1	1	1	1	1	1	1	1	1
3.0m insert	1	1	1	1	1	1	1	1	1
3.0m insert	—	—	1	—	—	1	—	1	2
6.0m insert	1	—	—	1	—	—	1	1	1
9.0m insert	1	2	2	2	3	3	3	3	3
1.5m outer	1	1	1	1	1	1	1	1	1

Notes:

(*1) 9.0m and 3.0m insert posts with the * mark include guardrails for the middle equalizer.

(*2) A pendant cable for extending the jib is also included with the 3.0m-9.0m insert posts.

Jib composition

The following table shows standard combinations of jib lengths when ordering the maximum jib length specification.

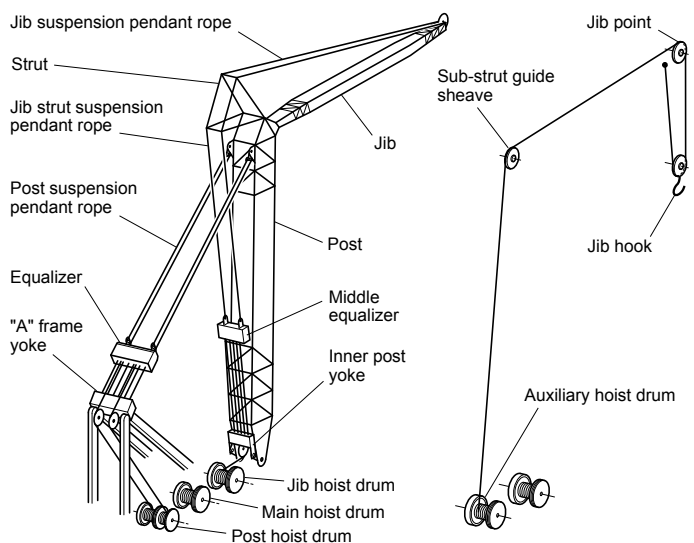
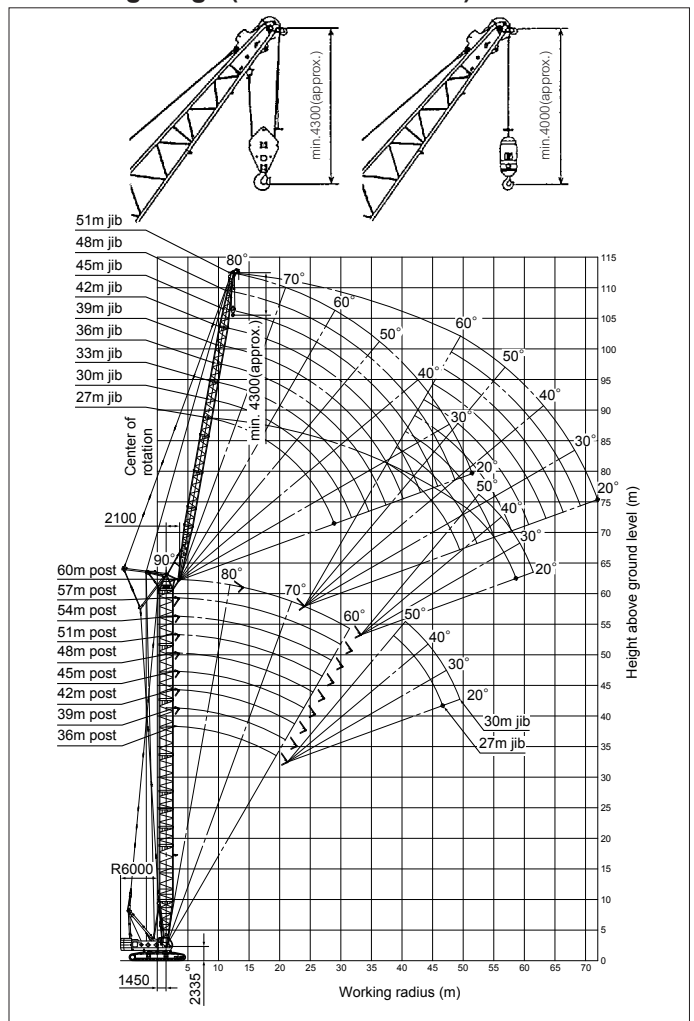
Jib length (m)	27	30	33	36	39	42	45	48	51
Jib composition									
9.0m inner	1	1	1	1	1	1	1	1	1
3.0m insert	—	1	—	—	1	—	1	—	1
6.0m insert	—	—	1	—	—	1	1	2	2
9.0m insert	1	1	1	2	2	2	2	2	2
9.0m outer	1	1	1	1	1	1	1	1	1

Notes on 1m Auxiliary Jib

1. 1m Auxiliary Jib is fitted on the main boom length of 18 meter and up to 81 meter.

2. 1m Auxiliary Jib is to be used only for crane operation.

Working range (No load condition)



Luffing Tower Crane

CCH2000

Jib rated lifting loads (78ton counterweight, 16ton weight for body)

(Unit:metric ton)

Post length (m)	36.0								39.0										
Jib length (m)	27.0				30.0				27.0				30.0				33.0		
Post angle																			
Working radius (m)	90°	80°	70°	60°	90°	80°	70°	60°	90°	80°	70°	60°	90°	80°	70°	60°	90°	80°	70°
8.0	8.3m x 25.0				8.8m x 25.0				8.3m x 25.0				8.8m x 25.0						
9.0	25.0				25.0				25.0				25.0				9.3m x 25.0		
10.0	25.0				25.0				25.0				25.0				25.0		
12.0	25.0				25.0				25.0				25.0				25.0		
14.0	15.1m x 25.0				14.3m x 25.0				15.1m x 25.0				14.3m x 25.0				25.0		
16.0	24.6				23.6				24.6				23.6				23.2		
18.0	23.7	19.0m x 23.3			22.0				23.7	19.5m x 23.0			22.0				21.6		
20.0	22.9	22.9			21.0	21.0			22.9	22.9			21.0	20.5m x 20.8			20.3	21.5m x 19.6	
22.0	21.5	21.5			20.0	20.0			21.5	21.5			20.0	20.0			19.3	19.3	
24.0	19.2	19.2			19.2	19.2			19.2	19.2			19.2	19.2			18.4	18.4	
26.0	16.0	16.0			17.9	17.9			16.0	16.0			17.9	17.9			18.0	18.0	
28.0	13.6	13.6	29.1m x 12.8		15.7	15.7			13.6	13.6			15.7	15.7			16.2	16.2	
30.0	28.4m x 13.4	12.1	12.1		12.6	12.6	30.6m x 12.2		28.4m x 13.4	12.1	30.1m x 12.1		12.6	12.6	31.6m x 11.5		14.1	14.1	
32.0		11.2	11.2		31.3m x 11.7	11.1	11.1			11.2	11.2		31.3m x 11.7	11.1	11.1		12.1	12.1	33.1m x 11.2
34.0		10.7	10.7			10.5	10.5			10.7	10.7			10.5	10.5		10.5	10.5	10.5
36.0		34.7m x 10.5	10.1			9.9	9.9			35.2m x 10.3	10.1			9.9	9.9		34.1m x 10.5	9.4	9.4
38.0			9.5	38.4m x 9.3		37.5m x 9.5	9.4				9.5	39.9m x 8.8		9.4	9.4			9.0	9.0
40.0			8.7	8.7			8.5	40.4m x 8.4			8.7	8.7			8.5	41.9m x 8.0		8.5	8.5
42.0			40.6m x 8.6	8.2			8.0	8.0			41.6m x 8.3	8.2			8.0	8.0		40.8m x 8.3	8.0
44.0				7.6			43.4m x 7.6	7.5				7.6			7.5	7.5			7.5
46.0				7.2				7.0				7.2			44.4m x 7.4	7.0			7.0
48.0				46.1m x 7.2				6.6				47.6m x 6.8				6.6			47.3m x 6.7
50.0								49.0m x 6.4								6.2			
52.0																50.5m x 6.1			

Post length (m)	42.0															45.0			
Jib length (m)	27.0				30.0				33.0			36.0			27.0				
Post angle	90°	80°	70°	60°	90°	80°	70°	60°	90°	80°	70°	90°	80°	70°	90°	80°	70°	60°	
Working radius (m)																			
8.0	8.3m x 25.0				8.8m x 25.0										8.3m x 25.0				
9.0	25.0				25.0				9.3m x 25.0			9.8m x 23.5			25.0				
10.0	25.0				25.0				25.0			23.5			25.0				
12.0	25.0				25.0				25.0			23.5			25.0				
14.0	15.1m x 25.0				14.3m x 25.0				25.0			14.8m x 23.5			15.1m x 25.0				
16.0	24.6				23.6				23.2			22.4			24.6				
18.0	23.7				22.0				21.6			20.6			23.7				
20.0	22.9	22.9			21.0	21.0m x 20.5			20.3			19.4			22.9	20.5m x 22.5			
22.0	21.5	21.5			20.0	20.0			19.3	22.1m x 19.3		18.4	23.1m x 18.0		21.5	21.5			
24.0	19.2	19.2			19.2	19.2			18.4	18.4		17.6	17.6		19.2	19.2			
26.0	16.0	16.0			17.9	17.9			18.0	18.0		16.8	16.8		16.0	16.0			
28.0	13.6	13.6			15.7	15.7			16.2	16.2		16.1	16.1		13.6	13.6			
30.0	28.4m x 13.4	12.1	31.2m x 11.6		12.6	12.6			14.1	14.1		14.4	14.4		28.4m x 13.4	12.1			
32.0		11.2	11.2		31.3m x 11.7	11.1	32.7m x 10.9		12.1	12.1		13.1	13.1			11.2	32.2m x 11.2		
34.0		10.7	10.7			10.5	10.5		10.5	10.5	34.2m x 10.5	11.5	11.5	35.7m x 10.1		10.7	10.7		
36.0		35.7m x 10.2	10.1			9.9	9.9		34.1m x 10.5	9.4	9.4	9.9	9.9	9.9		10.1	10.1		
38.0			9.5			9.4	9.4			9.0	9.0	36.9m x 9.3	8.7	8.7		36.2m x 10.0	9.5		
40.0			8.7	41.4m x 8.3		38.5m x 9.1	8.5			8.5	8.5		8.3	8.3			8.7		
42.0			8.2	8.2			8.0	43.4m x 7.7		41.3m x 8.2	8.0		7.9	7.9			8.2	42.9m x 7.9	
44.0			42.7m x 8.0	7.6			7.5	7.5			7.5		7.4	7.4			43.7m x 7.7	7.6	
46.0				7.2			45.5m x 7.1	7.0			7.0		44.1m x 7.4	7.0				7.2	
48.0				6.7				6.6			6.6			6.5				6.7	
50.0				49.1m x 6.4				6.2			48.3m x 6.5			6.1				6.2	
52.0								5.8						51.1m x 5.9				50.6m x 6.1	

Luffing Tower Crane

CCH2000

■Jib rated lifting loads (78ton counterweight, 16ton weight for body)

(Unit:metric ton)

Post length (m)	45.0													48.0			
Jib length (m)	30.0				33.0			36.0			39.0			27.0			
Post angle																	
Working radius (m)	90°	80°	70°	60°	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°	60°
8.0	8.8m x 25.0													8.3m x 25.0			
9.0	25.0				9.3m x 25.0			9.8m x 23.5						25.0			
10.0	25.0				25.0			23.5			10.3m x 21.5			25.0			
12.0	25.0				25.0			23.5			21.5			25.0			
14.0	14.3m x 25.0				25.0			14.8m x 23.5			15.1m x 21.5			15.1m x 25.0			
16.0	23.6				23.2			22.4			21.0			24.6			
18.0	22.0				21.6			20.6			19.8			23.7			
20.0	21.0	21.6m x 20.2			20.3			19.4			18.6			22.9	21.0m x 22.2		
22.0	20.0	20.0			19.3	22.6m x 19.0		18.4	23.6m x 17.8		17.6			21.5	21.5		
24.0	19.2	19.2			18.4	18.4		17.6	17.6		16.8	24.6m x 16.4		19.2	19.2		
26.0	17.9	17.9			18.0	18.0		16.8	16.8		15.7	15.7		16.0	16.0		
28.0	15.7	15.7			16.2	16.2		16.1	16.1		15.0	15.0		13.6	13.6		
30.0	12.6	12.6			14.1	14.1		14.4	14.4		14.5	14.5		28.4m x 13.4	12.1		
32.0	31.3m x 11.7	11.1	33.7m x 10.6		12.1	12.1		13.1	13.1		13.1	13.1			11.2	33.2m x 10.9	
34.0		10.5	10.5		10.5	10.5	35.2m x 9.9	11.5	11.5		11.7	11.7			10.7	10.7	
36.0		9.9	9.9		34.1m x 10.5	9.4	9.4	9.9	9.9	36.7m x 9.4	10.4	10.4			10.1	10.1	
38.0		9.4	9.4			9.0	9.0	36.9m x 9.3	8.7	8.7	9.2	9.2	38.2m x 9.1		36.7m x 9.9	9.5	
40.0		39.0m x 9.0	8.5			8.5	8.5		8.3	8.3	39.7m x 8.3	8.2	8.2			8.7	
42.0			8.0			41.8m x 8.1	8.0		7.9	7.9		7.7	7.7			8.2	
44.0			7.5	44.9m x 7.3			7.5		7.4	7.4		7.3	7.3			7.6	44.4m x 7.5
46.0			7.0	7.0			7.0		44.7m x 7.3	7.0		6.8	6.8			44.7m x 7.5	7.2
48.0			46.5m x 6.9	6.6			6.6			6.5		47.5m x 6.5	6.4				6.7
50.0				6.2			49.3m x 6.3			6.1			6.1				6.2
52.0				5.8						5.7			5.7				5.8
54.0				53.5m x 5.6						52.1m x 5.7			5.4				52.1m x 5.8
56.0													55.0m x 5.2				

Post length (m)	48.0															
Jib length (m)	30.0				33.0			36.0			39.0			42.0		
Post angle Working radius (m)	90°	80°	70°	60°	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°
8.0	8.8m x 25.0															
9.0	25.0				9.3m x 25.0			9.8m x 23.5								
10.0	25.0				25.0			23.5			10.3m x 21.5			10.9m x 19.0		
12.0	25.0				25.0			23.5			21.5			19.0		
14.0	14.3m x 25.0				25.0			14.8m x 23.5			15.1m x 21.5			19.0		
16.0	23.6				23.2			22.4			21.0			16.7m x 19.0		
18.0	22.0				21.6			20.6			19.8			18.8		
20.0	21.0				20.3			19.4			18.6			18.4		
22.0	20.0	22.1m x 20.0			19.3	23.1m x 18.8		18.4			17.6			17.4		
24.0	19.2	19.2			18.4	18.4		17.6	24.1m x 17.6		16.8	25.1m x 16.2		16.5		
26.0	17.9	17.9			18.0	18.0		16.8	16.8		15.7	15.7		15.5	26.2m x 15.4	
28.0	15.7	15.7			16.2	16.2		16.1	16.1		15.0	15.0		14.7	14.7	
30.0	12.6	12.6			14.1	14.1		14.4	14.4		14.5	14.5		14.1	14.1	
32.0	31.3m x 11.7	11.1			12.1	12.1		13.1	13.1		13.1	13.1		13.1	13.1	
34.0		10.5	34.7m x 10.3		10.5	10.5		11.5	11.5		11.7	11.7		11.8	11.8	
36.0		9.9	9.9		34.1m x 10.5	9.4	36.2m x 9.4	9.9	9.9	37.7m x 8.8	10.4	10.4		10.7	10.7	
38.0		9.4	9.4			9.0	9.0	36.9m x 9.3	8.7	8.7	9.2	9.2	39.2m x 8.6	9.6	9.6	
40.0		39.5m x 8.7	8.5			8.5	8.5		8.3	8.3	39.7m x 8.3	8.2	8.2	8.5	8.5	40.7m x 8.2
42.0			8.0			8.0	8.0		7.9	7.9		7.7	7.7	7.6	7.6	7.6
44.0			7.5			42.4m x 7.9	7.5		7.4	7.4		7.3	7.3	42.5m x 7.4	7.0	7.0
46.0			7.0	46.4m x 6.9			7.0		45.2m x 7.2	7.0		6.8	6.8		6.7	6.7
48.0			47.5m x 6.7	6.6			6.6			6.5		6.4	6.4		6.3	6.3
50.0				6.2			6.2			6.1			6.1		6.0	6.0
52.0				5.8			50.3m x 6.1			5.7			5.7		50.8m x 5.9	5.7
54.0				5.5						53.2m x 5.5			5.4			5.4
56.0				55.0m x 5.3									5.0			5.0
58.0																4.8
60.0																58.8m x 4.7

Luffing Tower Crane

CCH2000

Jib rated lifting loads (78ton counterweight, 16ton weight for body)

(Unit:metric ton)

Post length (m)	51.0																
Jib length (m)	27.0				30.0				33.0			36.0			39.0		
Post angle	90°	80°	70°	60°	90°	80°	70°	60°	90°	80°	70°	90°	80°	70°	90°	80°	70°
Working radius (m)	90°	80°	70°	60°	90°	80°	70°	60°	90°	80°	70°	90°	80°	70°	90°	80°	70°
8.0	8.3m x 25.0				8.8m x 25.0												
9.0	25.0				25.0				9.3m x 25.0			9.8m x 23.5					
10.0	25.0				25.0				25.0			23.5			10.3m x 21.5		
12.0	25.0				25.0				25.0			23.5			21.5		
14.0	15.1m x 25.0				14.3m x 25.0				25.0			14.8m x 23.5			15.1m x 21.5		
16.0	24.6				23.6				23.2			22.4			21.0		
18.0	23.7				22.0				21.6			20.6			19.8		
20.0	22.9	21.6m x 21.7			21.0				20.3			19.4			18.6		
22.0	21.5	21.5			20.0	22.6m x 19.8			19.3	23.6m x 18.6		18.4			17.6		
24.0	19.2	19.2			19.2	19.2			18.4	18.4		17.6	24.6m x 17.4		16.8	25.7m x 15.9	
26.0	16.0	16.0			17.9	17.9			18.0	18.0		16.8	16.8		15.7	15.7	
28.0	13.6	13.6			15.7	15.7			16.2	16.2		16.1	16.1		15.0	15.0	
30.0	28.4m x 13.4	12.1			12.6	12.6			14.1	14.1		14.4	14.4		14.5	14.5	
32.0		11.2			31.3m x 11.7	11.1			12.1	12.1		13.1	13.1		13.1	13.1	
34.0		10.7	34.2m x 10.6			10.5	35.7m x 10.0		10.5	10.5		11.5	11.5		11.7	11.7	
36.0		10.1	10.1			9.9	9.9		34.1m x 10.5	9.4	37.2m x 9.2	9.9	9.9		10.4	10.4	
38.0		37.2m x 9.7	9.5			9.4	9.4			9.0	9.0	36.9m x 9.3	8.7	38.7m x 8.5	9.2	9.2	
40.0			8.7			8.5	8.5			8.5	8.5		8.3	8.3	39.7m x 8.3	8.2	40.2m x 8.1
42.0			8.2			40.1m x 8.5	8.0			8.0	8.0		7.9	7.9		7.7	7.7
44.0			7.6	45.9m x 7.2			7.5			42.9m x 7.8	7.5		7.4	7.4		7.3	7.3
46.0			45.7m x 7.2	7.2			7.0	47.9m x 6.6			7.0		45.7m x 7.1	7.0		6.8	6.8
48.0				6.7			6.6	6.6			6.6			6.5		6.4	6.4
50.0				6.2			48.6m x 6.5	6.2			6.2			6.1		48.5m x 6.3	6.1
52.0				5.8				5.8			51.4m x 5.9			5.7			5.7
54.0				53.6m x 5.5				5.5						5.4			5.4
56.0								5.1						54.2m x 5.3			5.0
58.0								56.5m x 5.1									57.0m x 4.9

Post length (m)	51.0						54.0										
Jib length (m)	42.0			45.0			27.0				30.0				33.0		
Post angle	90°	80°	70°	90°	80°	70°	90°	80°	70°	60°	90°	80°	70°	60°	90°	80°	70°
Working radius (m)																	
8.0							8.3m x 25.0				8.8m x 25.0						
9.0							25.0				25.0				9.3m x 25.0		
10.0	10.9m x 19.0			11.4m x 15.5			25.0				25.0				25.0		
12.0	19.0			15.5			25.0				25.0				25.0		
14.0	19.0			15.5			15.1m x 25.0				14.3m x 25.0				25.0		
16.0	16.7m x 19.0			15.5			24.6				23.6				23.2		
18.0	18.8			19.1m x 15.5			23.7				22.0				21.6		
20.0	18.4			15.4			22.9				21.0				20.3		
22.0	17.4			15.0			21.5	22.1m x 21.3			20.0	23.1m x 19.5			19.3		
24.0	16.5			14.6			19.2	19.2			19.2	19.2			18.4	24.1m x 18.4	
26.0	15.5	26.7m x 15.2		14.0	27.7m x 13.3		16.0	16.0			17.9	17.9			18.0	18.0	
28.0	14.7	14.7		13.2	13.2		13.6	13.6			15.7	15.7			16.2	16.2	
30.0	14.1	14.1		12.7	12.7		28.4m x 13.4	12.1			12.6	12.6			14.1	14.1	
32.0	13.1	13.1		12.0	12.0			11.2			31.3m x 11.7	11.1			12.1	12.1	
34.0	11.8	11.8		11.3	11.3			10.7	35.3m x 10.3			10.5			10.5	10.5	
36.0	10.7	10.7		10.6	10.6			10.1	10.1			9.9	36.8m x 9.7		34.1m x 10.5	9.4	
38.0	9.6	9.6		9.7	9.7			37.8m x 9.5	9.5			9.4	9.4			9.0	38.3m x 8.9
40.0	8.5	8.5	41.7m x 7.7	8.8	8.8				8.7			8.5	8.5			8.5	8.5
42.0	7.6	7.6	7.6	8.0	8.0	43.2m x 7.4			8.2			40.6m x 8.4	8.0			8.0	8.0
44.0	42.5m x 7.4	7.0	7.0	7.0	7.0	7.0			7.6				7.5		43.4m x 7.7		7.5
46.0		6.7	6.7	45.3m x 6.7	6.5	6.5			7.2	47.4m x 6.8			7.0				7.0
48.0		6.3	6.3		6.2	6.2			46.8m x 7.0	6.7			6.6	49.4m x 6.3			6.6
50.0		6.0	6.0		5.9	5.9				6.2			49.6m x 6.3	6.2			6.2
52.0		51.3m x 5.8	5.7		5.6	5.6				5.8				5.8			5.8
54.0			5.4		5.4	5.4				5.5				5.5			52.4m x 5.7
56.0			5.0		54.2m x 5.3	5.0				55.2m x 5.3				5.1			
58.0			4.8			4.8								4.9			
60.0			59.8m x 4.6			4.6											
62.0						4.4											
64.0						62.7m x 4.3											

Luffing Tower Crane

CCH2000

■ Jib rated lifting loads (78ton counterweight, 16ton weight for body)

(Unit: metric ton)

Post length (m)	54.0														
Jib length (m)	36.0			39.0			42.0			45.0			48.0		
Post angle Working radius (m)	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°
9.0	9.8m x 23.5														
10.0	23.5			10.3m x 21.5			10.9m x 19.0			11.4m x 15.5			11.9m x 14.0		
12.0	23.5			21.5			19.0			15.5			14.0		
14.0	14.8m x 23.5			15.1m x 21.5			19.0			15.5			14.0		
16.0	22.4			21.0			16.7m x 19.0			15.5			14.0		
18.0	20.6			19.8			18.8			19.1m x 15.5			14.0		
20.0	19.4			18.6			18.4			15.4			13.5		
22.0	18.4			17.6			17.4			15.0			13.0		
24.0	17.6	25.2m x 17.1		16.8			16.5			14.6			12.6		
26.0	16.8	16.8		15.7	26.2m x 15.7		15.5	27.2m x 15.0		14.0			12.2		
28.0	16.1	16.1		15.0	15.0		14.7	14.7		13.2	28.2m x 13.2		11.7	29.3m x 11.4	
30.0	14.4	14.4		14.5	14.5		14.1	14.1		12.7	12.7		11.2	11.2	
32.0	13.1	13.1		13.1	13.1		13.1	13.1		12.0	12.0		10.5	10.5	
34.0	11.5	11.5		11.7	11.7		11.8	11.8		11.3	11.3		9.9	9.9	
36.0	9.9	9.9		10.4	10.4		10.7	10.7		10.6	10.6		9.4	9.4	
38.0	36.9m x 9.3	8.7	39.8m x 8.3	9.2	9.2		9.6	9.6		9.7	9.7		8.7	8.7	
40.0		8.3	8.3	39.7m x 8.3	8.2	41.3m x 7.9	8.5	8.5		8.8	8.8		8.1	8.1	
42.0		7.9	7.9		7.7	7.7	7.6	7.6	42.8m x 7.3	8.0	8.0		7.6	7.6	
44.0		7.4	7.4		7.3	7.3	42.5m x 7.4	7.0	7.0	7.0	7.0	44.3m x 6.9	7.1	7.1	45.8m x 6.5
46.0		7.0	7.0		6.8	6.8		6.7	6.7	45.3m x 6.7	6.5	6.5	6.5	6.5	6.5
48.0		46.2m x 6.9	6.5		6.4	6.4		6.3	6.3		6.2	6.2	5.8	5.8	5.8
50.0			6.1		49.1m x 6.2	6.1		6.0	6.0		5.9	5.9	48.2m x 5.8	5.5	5.5
52.0			5.7			5.7		5.7	5.7		5.6	5.6		5.3	5.3
54.0			5.4			5.4			5.4		5.4	5.4		5.1	5.1
56.0			55.2m x 5.2			5.0			5.0		54.7m x 5.3	5.0		4.8	4.8
58.0						4.8			4.8			4.8		57.5m x 4.6	4.5
60.0									4.6			4.6			4.3
62.0									60.9m x 4.5			4.4			4.0
64.0												63.7m x 4.2			3.8
66.0															3.6
68.0															66.5m x 3.5

Post length (m)	57.0																
Jib length (m)	27.0				30.0				33.0			36.0			39.0		
Post angle Working radius (m)	90°	80°	70°	60°	90°	80°	70°	60°	90°	80°	70°	90°	80°	70°	90°	80°	70°
8.0	8.3m x 25.0				8.8m x 25.0												
9.0	25.0				25.0				9.3m x 25.0			9.8m x 23.5					
10.0	25.0				25.0				25.0			23.5			10.3m x 21.5		
12.0	25.0				25.0				25.0			23.5			21.5		
14.0	15.1m x 25.0				14.3m x 25.0				25.0			14.8m x 23.5			15.1m x 21.5		
16.0	24.6				23.6				23.2			22.4			21.0		
18.0	23.7				22.0				21.6			20.6			19.8		
20.0	22.9				21.0				20.3			19.4			18.6		
22.0	21.5	22.6m x 20.8			20.0	23.6m x 19.3			19.3			18.4			17.6		
24.0	19.2	19.2			19.2	19.2			18.4	24.7m x 18.3		17.6	25.7m x 16.9		16.8		
26.0	16.0	16.0			17.9	17.9			18.0	18.0		16.8	16.8		15.7	26.7m x 15.5	
28.0	13.6	13.6			15.7	15.7			16.2	16.2		16.1	16.1		15.0	15.0	
30.0	28.4m x 13.4	12.1			12.6	12.6			14.1	14.1		14.4	14.4		14.5	14.5	
32.0		11.2			31.3m x 11.7	11.1			12.1	12.1		13.1	13.1		13.1	13.1	
34.0		10.7				10.5			10.5	10.5		11.5	11.5		11.7	11.7	
36.0		10.1	36.3m x 10.0			9.9	37.8m x 9.4		34.1m x 10.5	9.4		9.9	9.9		10.4	10.4	
38.0		9.5	9.5			9.4	9.4			9.0	39.3m x 8.7	36.9m x 9.3	8.7		9.2	9.2	
40.0		38.3m x 9.4	8.7			8.5	8.5			8.5	8.5		8.3	40.8m x 8.2	39.7m x 8.3	8.2	
42.0			8.2			41.1m x 8.2	8.0			8.0	8.0		7.9	7.9		7.7	42.3m x 7.7
44.0			7.6				7.5			7.5	7.5		7.4	7.4		7.3	7.3
46.0			7.2				7.0				7.0		7.0	7.0		6.8	6.8
48.0			47.8m x 6.8	48.9m x 6.5			6.6			6.6		46.8m x 6.8	6.5			6.4	6.4
50.0				6.2			6.2	50.9m x 6.0		6.2			6.1		49.6m x 6.2	6.1	
52.0				5.8			50.7m x 6.1	5.8			5.8			5.7			5.7
54.0				5.5				5.5			53.5m x 5.6			5.4			5.4
56.0				5.1				5.1						5.0			5.0
58.0				56.7m x 5.0				4.9						56.3m x 5.0			4.8
60.0								59.5m x 4.7									59.1m x 4.7

Luffing Tower Crane

CCH2000

Jib rated lifting loads (78ton counterweight, 16ton weight for body)

(Unit:metric ton)

Post length (m)	57.0												60.0											
Jib length (m)	42.0			45.0			48.0			51.0			27.0				30.0				33.0			
Post angle Working radius (m)	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°	60°	90°	80°	70°	60°	90°	80°	70°	
8.0													8.3m x 25.0				8.8m x 25.0							
9.0													25.0				25.0					9.3m x 25.0		
10.0	10.9m x 19.0			11.4m x 15.5			11.9m x 14.0						25.0				25.0					25.0		
12.0	19.0			15.5			14.0			12.4m x 13.1			25.0				25.0					25.0		
14.0	19.0			15.5			14.0			13.1			15.1m x 25.0				14.3m x 25.0					25.0		
16.0	16.7m x 19.0			15.5			14.0			13.1			24.6				23.6					23.2		
18.0	18.8			19.1m x 15.5			14.0			13.1			23.7				22.0					21.6		
20.0	18.4			15.4			13.5			12.8			22.9				21.0					20.3		
22.0	17.4			15.0			13.0			12.4			21.5	23.1m x 20.2			20.0					19.3		
24.0	16.5			14.6			12.6			12.0			19.2	19.2			19.2	24.2m x 19.0				18.4	25.2m x 18.1	
26.0	15.5	27.7m x 14.8		14.0			12.2			11.5			16.0	16.0			17.9	17.9				18.0	18.0	
28.0	14.7	14.7		13.2	28.8m x 13.0		11.7	29.8m x 11.2		11.0			13.6	13.6			15.7	15.7				16.2	16.2	
30.0	14.1	14.1		12.7	12.7		11.2	11.2		10.4	30.8m x 10.2		28.4m x 13.4	12.1			12.6	12.6				14.1	14.1	
32.0	13.1	13.1		12.0	12.0		10.5	10.5		9.8	9.9			11.2			31.3m x 11.7	11.1				12.1	12.1	
34.0	11.8	11.8		11.3	11.3		9.9	9.9		9.1	9.4			10.7				10.5				10.5	10.5	
36.0	10.7	10.7		10.6	10.6		9.4	9.4		8.5	8.9			10.1	37.3m x 9.7			9.9				34.1m x 10.5	9.4	
38.0	9.6	9.6		9.7	9.7		8.7	8.7		7.8	8.3			9.5	9.5			9.4	38.8m x 9.0			9.0		
40.0	8.5	8.5		8.8	8.8		8.1	8.1		7.3	7.8			38.9m x 9.1	8.7			8.5	8.5			8.5	40.3m x 8.4	
42.0	7.6	7.6	43.8m x 7.0	8.0	8.0		7.6	7.6		6.7	7.2				8.2			41.7m x 8.1	8.0			8.0	8.0	
44.0	42.5m x 7.4	7.0	7.0	7.0	7.0	45.3m x 6.7	7.1	7.1		6.2	6.5				7.6				7.5			7.5	7.5	
46.0		6.7	6.7	45.3m x 6.7	6.5	6.5	6.5	6.5	46.8m x 6.2	5.7	6.1				7.2				7.0			44.5m x 7.4	7.0	
48.0		6.3	6.3		6.2	6.2	5.8	5.8	5.8	5.2	5.7	48.3m x 5.6			6.7				6.6				6.6	
50.0		6.0	6.0		5.9	5.9	48.2m x 5.8	5.5	5.5	4.7	5.3	5.3			48.9m x 6.5	50.4m x 6.1			6.2				6.2	
52.0		5.7	5.7		5.6	5.6		5.3	5.3	51.0m x 4.4	5.0	5.0				5.8			51.7m x 5.9	52.4m x 5.7			5.8	
54.0		52.4m x 5.6	5.4		5.4	5.4		5.1	5.1		4.8	4.8				5.5				5.5			5.5	
56.0			5.0		55.2m x 5.2	5.0		4.8	4.8		4.5	4.5				5.1				5.1			54.5m x 5.4	
58.0			4.8			4.8		4.5	4.5		4.2	4.2				4.9				4.9				
60.0			4.6			4.6			4.3		4.0	4.0				58.2m x 4.9				4.7				
62.0			4.4			4.4			4.0		60.8m x 3.9	3.8							61.0m x 4.6					
64.0						4.2			3.8			3.6												
66.0						64.7m x 4.1			3.6			3.4												
68.0									67.5m x 3.5			3.2												
70.0												3.0												
72.0												70.3m x 3.0												

Post length (m)	60.0																	
Jib length (m)	36.0			39.0			42.0			45.0			48.0			51.0		
Post angle Working radius (m)	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°
9.0	9.8m x 23.5																	
10.0	23.5			10.3m x 21.5			10.9m x 19.0			11.4m x 15.5			11.9m x 14.0					
12.0	23.5			21.5			19.0			15.5			14.0			12.4m x 13.1		
14.0	14.8m x 23.5			15.1m x 21.5			19.0			15.5			14.0			13.1		
16.0	22.4			21.0			16.7m x 19.0			15.5			14.0			13.1		
18.0	20.6			19.8			18.8			15.4			14.0			13.1		
20.0	19.4			18.6			18.4			15.4			13.5			12.8		
22.0	18.4			17.6			17.4			15.0			13.0			12.4		
24.0	17.6			16.8			16.5			14.6			12.6			12.0		
26.0	16.8	26.2m x 16.7		15.7	27.2m x 15.3		15.5			14.0			12.2			11.5		
28.0	16.1	16.1		15.0	15.0		14.7	28.3m x 14.8		13.2	29.3m x 12.9		11.7			11.0		
30.0	14.4	14.4		14.5	14.5		14.1	14.1		12.7	12.7		11.2	30.3m x 11.1		10.4	31.3m x 10.0	
32.0	13.1	13.1		13.1	13.1		13.1	13.1		12.0	12.0		10.5	10.5		9.8	9.9	
34.0	11.5	11.5		11.7	11.7		11.8	11.8		11.3	11.3		9.9	9.9		9.1	9.4	
36.0	9.9	9.9		10.4	10.4		10.7	10.7		10.6	10.6		9.4	9.4		8.5	8.9	
38.0	36.9m x 9.3	8.7		9.2	9.2		9.6	9.6		9.7	9.7		8.7	8.7		7.8	8.3	
40.0		8.3	41.8m x 7.9	39.7m x 8.3	8.2		8.5	8.5		8.8	8.8		8.1	8.1		7.3	7.8	
42.0		7.9	7.9		7.7	43.3m x 7.4	7.6	7.6		8.0	8.0		7.6	7.6		6.7	7.2	
44.0		7.4	7.4		7.3	7.3	42.5m x 7.4	7.0	44.8m x 6.9	7.0	7.0		7.1	7.1		6.2	6.5	
46.0		7.0	7.0		6.8	6.8		6.7	45.3m x 6.7	6.5	46.3m x 6.5	6.5	6.5	6.5	47.8m x 5.9	5.7	6.1	
48.0		47.4m x 6.6	6.5		6.4	6.4		6.3	6.3		6.2	6.2	5.8	5.8	5.8	5.2	5.7	49.3m x 5.4
50.0			6.1		6.1	6.1		6.0	6.0		5.9	5.9	48.2m x 5.8	5.5	5.5	4.7	5.3	5.3
52.0			5.7		50.2m x 6.0	5.7		5.7	5.7		5.6	5.6		5.3	5.3	51.0m x 4.4	5.0	5.0
54.0			5.4			5.4		5.3	5.3		5.4	5.4		5.1	5.1		4.8	4.8
56.0			5.0			5.0		5.0	5.0		5.0	5.0		4.8	4.8		4.5	4.5
58.0			57.4m x 4.9			4.8		4.8			4.8			4.5	4.5		4.2	4.2
60.0						4.6		4.6			4.6			58.6m x 4.4	4.3		4.0	4.0
62.0						60.2m x 4.6		4.4			4.4				4.0		61.4m x 3.9	3.8
64.0								63.0m x 4.3										3.6
66.0											65.8m x 4.0				3.6			3.4
68.0															3.4			3.2
70.0															68.6m x 3.3			3.0
72.0																		71.5m x 2.9

Notes

- Above rated loads are based on firm level ground, within 78% of tipping load at any point of 360° throughout and with front stability of 1.15 or more.
- The actual lifting loads must be reduced following hook block (main and jib) and other lifting devices.
For tower jib
25ton hook block---1.00ton
13.5ton hook block---0.60ton
- Depending on the number of part lines, rated load is limited as follows:
1-part line-----up to 13.5ton
2-part line-----up to 25.0ton
- The angle of the center line of the post and the center line of the jib (offset angle) must not be less than 10°.
- The angle of the center line of the jib to level ground (tower jib angle) must not be less than 20° under loaded conditions.

Post Crane

CCH2000

■ Specifications

Max. lifting capacity x working radius		50.0metric tons x 14.0m
Max. lift above ground level		55.0m (at 57m post)
Rope speed	Main drum hoist/lowering	* 110~55/55~28m/min
	Post hoist/lowering	* 32~14m/min x 2
Part line	Main drum	50ton x 4
	hoist	25ton x 2
	Post hoist	18
Counterweight		78.0ton
Weight for body		16.0ton
Total operating weight (with 57m post+50ton hook)		201.0ton
Average ground bearing pressure		108kPa(1.10kg/cm ²)

Note: The rope speed changes depending on the load.

■ Wire Rope

Place of use	Rope diameter (mm)	Guaranteed strength (ton)	Rope type
Main drum	☒ Φ28	70.2	P•S(19)+39 x P7
Boom hoist	☒ Φ22	36.3	IWRC6 x P•WS(31)
Boom suspension	☒ Φ84	104.0	IWRC6 x P•WS(36)

■ Post crane composition

Post length (m)		Post length (m)													
Post composition		21	24	27	30	33	36	39	42	45	48	51	54	57	
☐ 7.5m inner		1	1	1	1	1	1	1	1	1	1	1	1	1	
☒ 9.0m insert		1	1	1	1	1	1	1	1	1	1	1	1	1	
☒ 8.0m insert		1	1	1	1	1	1	1	1	1	1	1	1	1	
3.0m insert		—	1	—	—	1	—	—	1	—	—	1	—	1	
6.0m insert		—	—	1	—	—	1	—	—	1	—	—	1	1	
9.0m insert		—	—	—	1	1	1	2	2	3	3	3	3	3	
1.5m outer		1	1	1	1	1	1	1	1	1	1	1	1	1	

Note: (*) 9.0m and 3.0m insert posts with the *mark include guardrails for the middle equalizer.

Notes

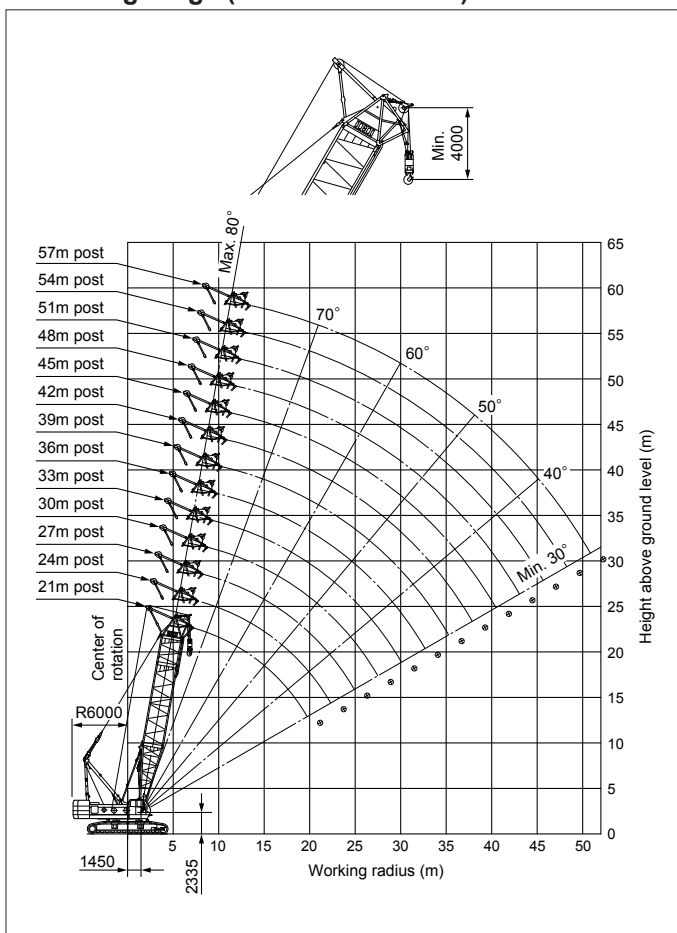
- Above rated loads are based on firm level ground, within 78% of tipping load at any point of 360° throughout and with front stability of 1.15 or more.
- Working radius is horizontal distance from center of rotation to a vertical line through the center of gravity of the load.
- The actual lifting loads must be reduced following hook block and other lifting devices.
50ton hook block.....1.00ton 30ton hook block.....1.00ton
13.5ton hook block.....0.6ton
- Depending on the number of part lines, rated lifting load is limited as follows:
1part line.....up to 13.5ton
2part line.....up to 25.0ton
3part line.....up to 37.5ton
4part line.....up to 50.0ton

■ Post rated lifting loads (78ton counterweight, 16ton weight for body)

(Unit:metric ton)

Boom length (m) Working radius (m)	21.0	24.0	27.0	30.0	33.0	36.0	39.0	42.0	45.0	48.0	51.0	54.0	57.0
6.0	6.9m x 50.0												
7.0	50.0	7.4m x 50.0	7.9m x 50.0										
8.0	50.0	50.0	50.0	8.4m x 50.0									
9.0	50.0	50.0	50.0	50.0	9.0m x 50.0	9.5m x 50.0							
10.0	50.0	50.0	50.0	50.0	50.0	50.0	10.0m x 50.0	10.5m x 50.0	11.0m x 50.0	11.6m x 50.0			
12.0	50.0	50.0	50.0	50.0	50.0	13.9m x 50.0	13.9m x 50.0	13.9m x 50.0	13.8m x 50.0	13.8m x 50.0	12.1m x 50.0	12.6m x 50.0	13.1m x 50.0
14.0	50.0	50.0	50.0	50.0	50.0	49.9	49.8	49.7	49.5	49.4	49.3	49.1	49.0
16.0	41.9	41.8	41.6	41.5	41.4	41.2	41.1	41.0	40.8	40.7	40.5	40.4	40.3
18.0	35.6	35.4	35.3	35.1	35.0	34.9	34.7	34.6	34.4	34.3	34.2	34.0	33.9
20.0	30.7	30.6	30.4	30.3	30.2	30.0	29.9	29.7	29.6	29.4	29.3	29.2	29.0
22.0	21.3m x 28.2	26.8	26.6	26.5	26.3	26.2	26.0	25.9	25.7	25.6	25.5	25.3	25.2
24.0		23.9m x 23.7	23.6	23.4	23.3	23.1	23.0	22.8	22.7	22.5	22.4	22.2	22.1
26.0			21.0	20.9	20.7	20.5	20.4	20.2	20.1	19.9	19.8	19.6	19.5
28.0			26.5m x 20.4	18.7	18.6	18.4	18.3	18.1	17.9	17.8	17.6	17.5	17.3
30.0				29.1m x 17.7	16.7	16.6	16.4	16.3	16.1	16.0	15.8	15.7	15.5
32.0					31.7m x 15.4	15.0	14.9	14.7	14.5	14.4	14.2	14.1	13.9
34.0						13.6	13.5	13.3	13.2	13.0	12.9	12.7	12.5
36.0						34.3m x 13.5	12.3	12.1	12.0	11.8	11.7	11.5	11.3
38.0							36.9m x 11.8	11.1	10.9	10.7	10.6	10.4	10.3
40.0								39.5m x 10.3	10.0	9.8	9.6	9.5	9.3
42.0									9.1	8.9	8.8	8.6	8.5
44.0									42.1m x 9.1	8.2	8.0	7.9	7.7
46.0										44.7m x 7.9	7.3	7.2	7.0
48.0											47.3m x 6.9	6.5	6.4
50.0												49.9m x 5.9	5.7
52.0													5.0

■ Working range (No load condition)



Specifications

Max. lift above ground		46.0m (18m boom+2.5m³ bucket)
Rope speed	Bucket closing	* 110~55/55~28m/min
	Bucket holding	* 110~55/55~28m/min
	Boom hoist and lowering	* 32~14m/min x 2
Part line	Bucket closing	6 (for all types bucket)
	Bucket holding	1 (for all types bucket)
	Boom hoist	18
Rated lifting capacity		12.5ton (bucket weight+load)
Counterweight		78.0ton
Weight for body		16.0ton
Total operating weight (with 18m boom+2.5m³ bucket)		196.0ton (Approx.)
Average ground bearing pressure		105kPa(1.07kg/cm²)

*: The rope speed changes depending on the load.

Wire Rope

Place of use	Rope diameter (mm)	Guaranteed strength (ton)	Rope type
Bucket closing	∅28	59.7	IWRC6 x Fi (29)
Bucket holding	∅28	59.7	IWRC6 x Fi (29)
Boom hoist	∅2	36.3	IWRC6 x P·WS(31)
Boom suspension	∅4	104.0	IWRC6 x P·WS(36)
Tagline	∅10	5.5	6 x 19

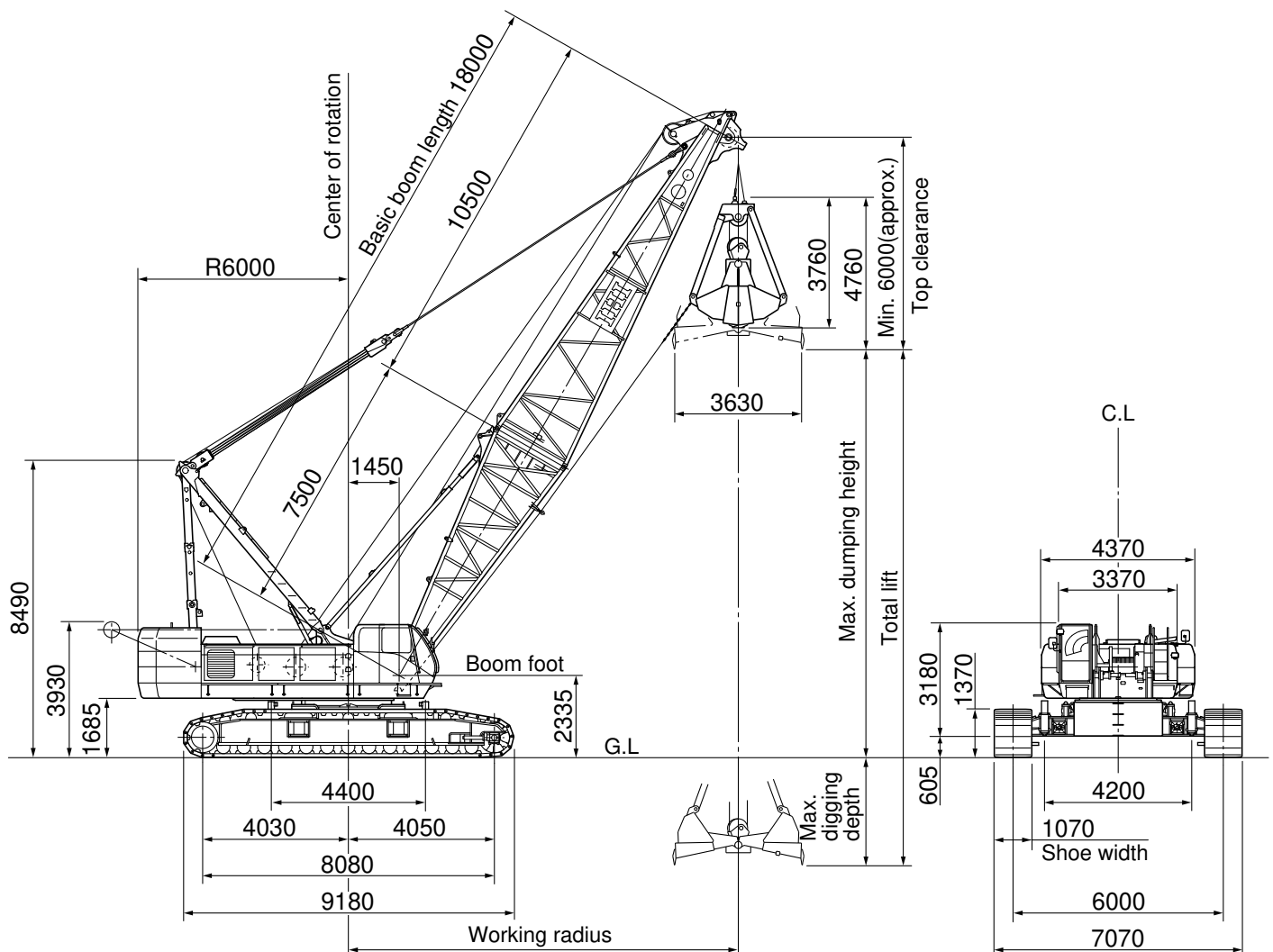
Length of wire rope to be decided according to the ordered boom length.

Bucket specifications

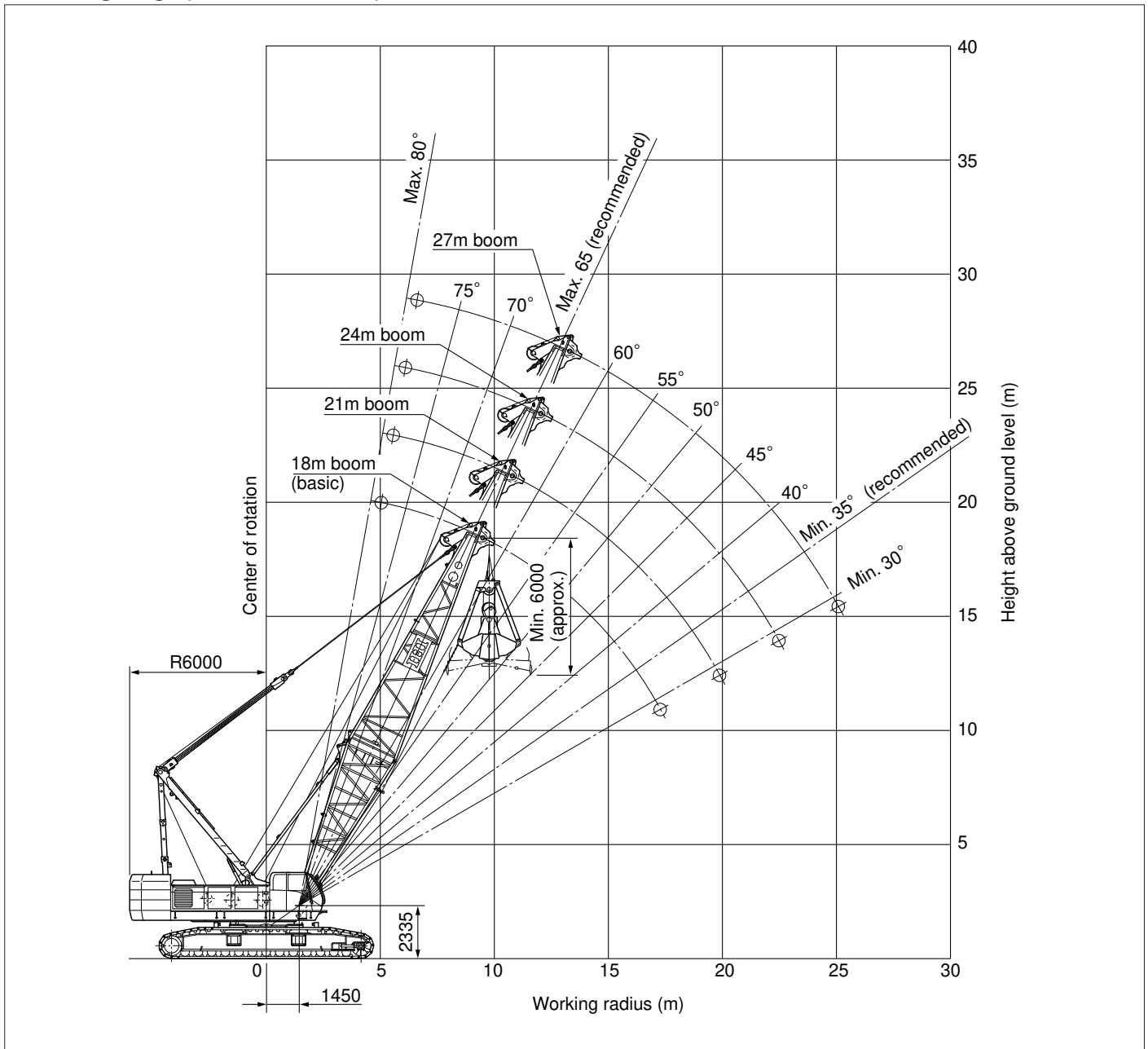
Classification	Capacity(m ³)	Weight (t)	Purpose
Optional	2.0	6.5	Heavy duty digging (dredging)
Standard	2.5	5.5	General digging, heavy material handling
Optional	3.0	5.0	Medium weight material handling (Apparent specific gravity: 1.2~1.5)
Optional	4.0	4.5	Lightweight material handling (Apparent specific gravity: less than 1.2)
Optional	5.0	4.0	Lightweight material handling (Apparent specific gravity: less than 1.0)

General Dimensions

Unit: mm



■ Working range (No load condition)



■ Working range and rated loads

Boom length (m)	18				21				24				27			
Boom angle	35°	45°	55°	65°	35°	45°	55°	65°	35°	45°	55°	65°	35°	45°	55°	65°
Working radius (m)	16.7	14.7	12.4	9.7	19.2	16.9	14.1	11.0	21.6	19.0	15.8	12.2	24.1	21.1	17.5	13.5
Rated lifting load (ton)	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
Total lift (m)	12.3	14.8	16.9	18.5	14.1	16.9	19.3	21.2	15.8	19.0	21.8	23.9	17.5	21.1	24.2	26.6
Max. dumping height (m)	6.3	8.8	10.9	12.5	8.1	10.9	13.3	15.2	9.8	13.0	15.8	17.9	11.5	15.1	18.2	20.6
Max. digging depth (m)	39.7	37.2	35.1	33.5	37.9	35.1	32.7	30.8	36.2	33.0	30.2	28.1	34.5	30.9	27.8	25.4

Notes

- Recommended maximum boom length is 27m. Rated lifting load is the upper limit of "bucket weight+load" during clamshell work.
Use a bucket suitable for the kind of the load required so that the allowable load figures in the above table are not exceeded.
- Working radius is horizontal distance from center of rotation to a vertical line through the center of bucket.
"Maximum dumping height" is calculated 6m bucket clearance, therefore it will be decided by bucket size.
"Maximum digging depth" is deducted "Max. dumping height" from "Total lift" (46m).
- Bucket operation can not be performed by 1m jib.
- During the bucket lowering operation, half brake controlled free fall in permissible less than 10m, farther lowering to be use in combination with power load lowering.
- Allowable bucket weight is 6.5 ton, however, must be reduced bucket weight depend on duty cycle and total lift.
- During the slewing, do not give the lateral load to boom by hard acceleration or deceleration.
Operate most carefully when installed longer boom.

Pontoon mounted crane

CCH2000

■ Pontoon mounted crane specifications

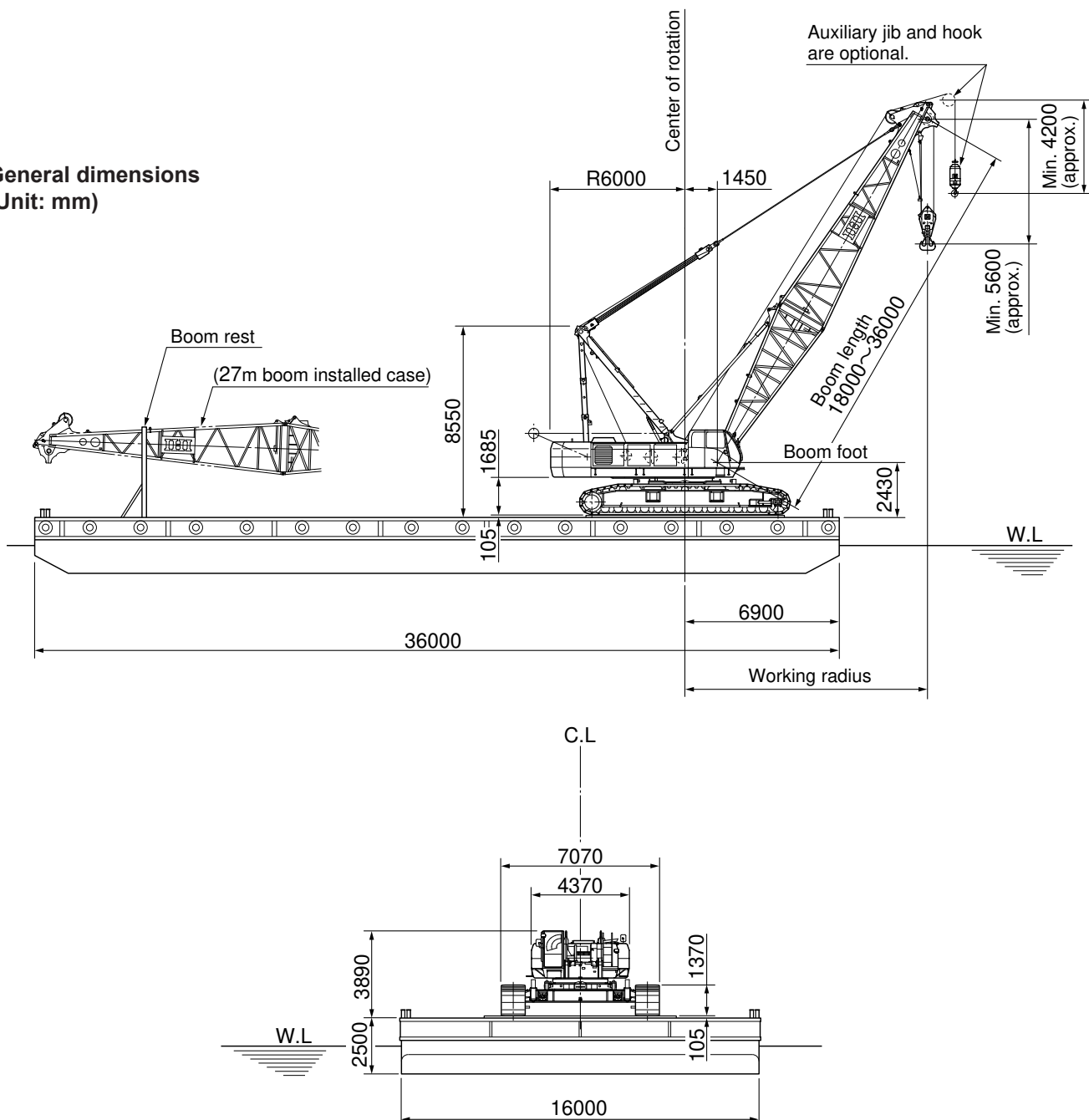
Max. lifting capacity(metric ton) x working radius(m)		100 x 7.0 (360° throughout)
Max. boom length		36.0
Rope speed	Main drum hoist/lowering	* 110~0m/min
	Aux. drum hoist/lowering	* 110~0m/min
	Boom drum hoist/lowering	* 55~0m/min
Part line	Main drum hoist	Hook block capacity x part line
		100ton x 8
	Hook block capacity x part line	13.5ton x 1
Boom drum hoist/lowering		18
Counterweight		64.0ton
Total operating weight with 18m boom (including crawler fixing device)		163.0ton
Average ground bearing pressure		87kPa(0.89kg/cm ²)

*: The rope speed changes depending on the load.

■ Wire Rope

Place of use	Rope diameter (mm)	Guaranteed strength (ton)	Rope type
Hook hoist	Ø8	67.0	IWRC6 x P•Fi (29)
Boom hoist	Ø22	36.3	IWRC6 x P•WS(31)
Boom suspension	Ø84	104.0	IWRC6 x P•WS(36)
Jib hoist	Ø8	67.0	IWRC6 x P•Fi (29)

■ General dimensions (Unit: mm)



Above figure is for reference when CCH2000 crawler crane mounted on pontoon as floating crane.

Pontoon mounted crane

CCH2000

■ Main boom rated lifting loads

(Unit: metric ton)

Boom length (m)	18		21		24		27		30		33		36	
Working radius (m)	Load	Angle	Load	Angle	Load	Angle	Load	Angle	Load	Angle	Load	Angle	Load	Angle
5.0	100.0	80.0	5.6m x 100.0	80.0										
6.0	100.0	77.0	100.0	78.5	6.1m x 100.0	80.0	6.6m x 100.0	80.0						
7.0	100.0	73.5	100.0	76.0	100.0	77.5	100.0	79.0	7.2m x 97.2	80.0	7.7m x 91.8	80.0		
8.0	91.3	70.0	91.1	73.0	91.0	75.5	90.9	77.0	90.1	78.5	88.5	79.5	8.2m x 86.1	80.0
9.0	81.6	66.5	81.4	70.0	81.2	73.0	81.1	74.5	80.4	76.5	79.8	77.5	79.2	78.5
10.0	73.7	63.0	73.5	67.0	73.3	70.0	73.2	72.5	72.8	74.5	72.5	76.0	72.2	77.0
12.0	60.5	55.5	60.3	61.0	60.1	65.0	60.0	68.0	59.9	70.5	59.8	72.0	59.7	73.5
14.0	49.9	47.5	49.7	54.5	49.5	59.5	49.4	63.5	49.3	66.0	49.2	68.5	49.1	70.5
16.0	42.3	37.5	42.1	47.5	42.0	54.0	41.9	58.5	41.8	62.0	41.7	64.5	41.6	67.0
18.0	17.2m x 38.7	30.0	36.2	39.5	36.0	47.5	35.9	53.0	35.8	57.5	35.7	60.5	35.6	63.5
20.0			19.8m x 31.8	30.0	31.2	40.5	31.1	47.5	31.0	52.5	30.8	56.5	30.7	59.5
22.0					27.4	32.0	27.3	41.5	27.2	47.5	27.1	52.5	27.0	56.0
24.0					22.4m x 26.8	30.0	24.2	33.5	24.1	42.0	24.0	47.5	23.9	52.0
26.0							25.0m x 22.9	30.0	21.6	36.0	21.5	42.5	21.4	47.5
28.0									27.6m x 19.9	30.0	19.4	37.0	19.3	43.0
30.0											17.5	31.0	17.5	38.5
32.0											30.2m x 17.4	30.0	16.0	32.5
34.0													32.8m x 15.4	30.0

Notes

- Working radius is horizontal distance from center of rotation to a vertical line through the center of gravity of the load.
- The weight of hook block and other lifting devices must be considered to be a part of the loads.
 - for main boom
 - for 1m aux. jib
 - 100ton hook block.....1.40ton
 - 60ton hook block.....1.20ton
 - 30ton hook block.....1.00ton
 - 13.5ton hook block.....0.60ton
- Do not exceed 3° of trim angle pontoon on loaded condition.
- Depending on the number of part lines, rated lifting load in limited as follows
 - 1-part line.....up to 13.5ton
 - 2-part line.....up to 25.0ton
 - 3-part line.....up to 37.5ton
 - 4-part line.....up to 50.0ton
 - 5-part line.....up to 62.5ton
 - 6-part line.....up to 75.0ton
 - 7-part line.....up to 87.5ton
 - 8-part line.....up to 100ton
- When 1m aux. jib in fitted actual loads that can be lifted with main hook blocks should be reduced 0.8ton from the above chart (the weight includes aux. hook block).
- The boom length that can be used in bucket operation by means of clamshell etc. is up to 27m.
- The rated lifting load is up to 12.5ton in bucket operation. The total of bucket weight and loads can not exceed this value.

■ 1m aux. jib rated lifting loads

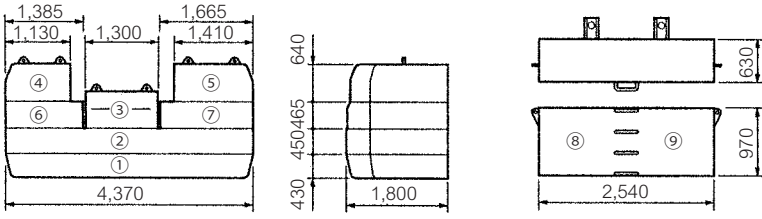
(Unit: metric ton)

Boom length (m) Working radius (m)	18	21	24	27	30	33	36
5.0	5.9m x 13.5						
6.0	13.5	6.4m x 13.5	7.0m x 13.5				
7.0	13.5	13.5	13.5	7.5m x 13.5	8.0m x 13.5		
8.0	13.5	13.5	13.5	13.5	13.5	8.5m x 13.5	9.0m x 13.5
9.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5
10.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5
12.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5
14.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5
16.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5
18.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5
20.0	18.8m x 13.5	21.4m x 13.5	13.5	13.5	13.5	13.5	13.5
22.0			13.5	13.5	13.5	13.5	13.5
24.0			24.0m x 13.5	13.5	13.5	13.5	13.5
26.0				26.6m x 13.5	13.5	13.5	13.5
28.0					29.2m x 13.5	13.5	13.5
30.0						13.5	13.5
32.0						31.7m x 13.5	13.5
34.0							34.3m x 13.4

Notes

- Working radius is horizontal distance from center of rotation to a vertical line through the center of gravity of the load.
- When the main hook block is installed, the lifting loads of jib must be reduced by the weight of hook block (main and jib) and other lifting devices.
 - 100ton hook block.....1.40ton
 - 60ton hook block.....1.20ton
 - 50ton hook block.....1.00ton
 - 30ton hook block.....1.00ton
 - 13.5ton hook block.....0.60ton
- Do not exceed 3° of trim angle pontoon on loaded condition.
- Bucket operation can not be performed by 1m jib.

Individual masses and outline dimensions

Main part name		Mass (tons)	Q'ty	Dimensions(m) L x W x H																					
Main body	Main body (without "A" frame, ropes, axles and crawlers)	(31.9)	(1)	7.95 x 3.37 x 3.17																					
	Main body (with "A" frame, and without ropes, axles and crawlers)	(36.2)	(1)	9.60 x 3.37 x 3.32																					
	Main body (with "A" frame, ropes, and axles and without crawlers)	47.3	1	10.17 x 3.37 x 3.33																					
	Crawler	18.9	2	9.18 x 1.07 x 1.37																					
	Counterweight, weight for body	94.0	9	See below.																					
	Counterweight arrangement and dimensions (mm)			<table><thead><tr><th colspan="2">Weight (tons)</th></tr></thead><tbody><tr><td>①</td><td>18.5</td></tr><tr><td>②</td><td>18.6</td></tr><tr><td>③</td><td>9.8</td></tr><tr><td>④</td><td>7.5</td></tr><tr><td>⑤</td><td>9.6</td></tr><tr><td>⑥</td><td>6.2</td></tr><tr><td>⑦</td><td>7.8</td></tr><tr><td>⑧</td><td>8.0</td></tr><tr><td>⑨</td><td>8.0</td></tr><tr><td>Total</td><td>94.0</td></tr></tbody></table>	Weight (tons)		①	18.5	②	18.6	③	9.8	④	7.5	⑤	9.6	⑥	6.2	⑦	7.8	⑧	8.0	⑨	8.0	Total
Weight (tons)																									
①	18.5																								
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⑥	6.2																								
⑦	7.8																								
⑧	8.0																								
⑨	8.0																								
Total	94.0																								
																									
Crane attachment	Inner boom (with boom limit stop)	3.1	1	7.75 x 2.65 x 2.4																					
	Outer boom (with pendant rope)	3.4	1	11.3 x 2.45 x 2.35																					
	3m insert boom (with pendant rope)	0.85	As required	3.15 x 2.45 x 2.35																					
	6m insert boom (with pendant rope)	1.35	As required	6.15 x 2.45 x 2.35																					
	9m insert boom (with pendant rope)	1.8	As required	9.15 x 2.45 x 2.35																					
	Equalizer	0.8	1	2.27 x 1.14 x 0.36																					
	Inner jib (with jib strut pendant rope)	1.1	1	6.95 x 1.35 x 1.05																					
	Outer jib (with pendant rope)	0.5	1	6.85 x 1.07 x 1.05																					
	1m aux. jib	0.35	1	1.99 x 0.64 x 0.4																					
	6m insert jib (with pendant rope)	0.25	As required	6.1 x 0.98 x 1.05																					
	200ton hook	2.7	1	0.85 x 2.36 x 1.01																					
	150ton hook	2.4	1	0.85 x 2.21 x 0.82																					
	100ton hook	1.4	1	0.73 x 1.97 x 0.54																					
	60ton hook	1.2	1	0.8 x 1.77 x 0.5																					
	13.5ton hook (shared with luffing jib)	0.6	1	0.46 x 1.52 x 0.46																					
Luffing attachment	Inner post (with inner post yoke and stabilizer)	5.3	1	7.75 x 2.65 x 2.4																					
	Tower top	2.9	1	4.86 x 3.02 x 2.35																					
	3m insert post (shared with 3m insert boom)	0.95	As required	3.15 x 2.45 x 2.35																					
	6m insert post (shared with 6m insert boom)	1.50	As required	6.15 x 2.45 x 2.35																					
	9m insert post (shared with 9m insert boom)	2.10	As required	9.15 x 2.45 x 2.35																					
	Middle equalizer	0.3	1	1.21 x 0.76 x 0.33																					
	Strut	2.5	set	7.42 x 2.07 x 1.15																					
	Tower inner jib (with jib limit stop)	1.82	1	9.15 x 2.57 x 1.5																					
	Tower outer jib (with pendant rope)	1.1	1	9.4 x 2.1 x 1.61																					
	3m tower insert jib (with pendant rope)	0.32	As required	3.1 x 1.6 x 1.5																					
	6m tower insert jib (with pendant rope)	0.54	As required	6.1 x 1.6 x 1.5																					
	9m tower insert jib (with pendant rope)	0.74	As required	9.1 x 1.6 x 1.5																					
	50ton hook (for post operations)	1.0	1	0.8 x 1.9 x 0.43																					
	25ton hook (shared with post and jib operations)	1.0	1	0.8 x 1.61 x 0.35																					

◆ Diagrams shown have been drawn for catalog purposes and may differ from actual products.

◆ Specifications are subject to change without notice due to technical improvements or modifications.

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Highest rope speeds in this class 110 meter/minute Load Hoist/Lowering



Hydraulic Motors to drive main drum, auxiliary drum, the third drum and boom hoist/lowering drum are independently controlled to match each operating speeds. (The third drum is optional for application other than the luffing jib crane)



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CCH2000-5 Luffing Jib Crane



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