

IHI

ccH2000

Fully Hydraulic Crawler Crane

Lifting capacity 200 metric tons

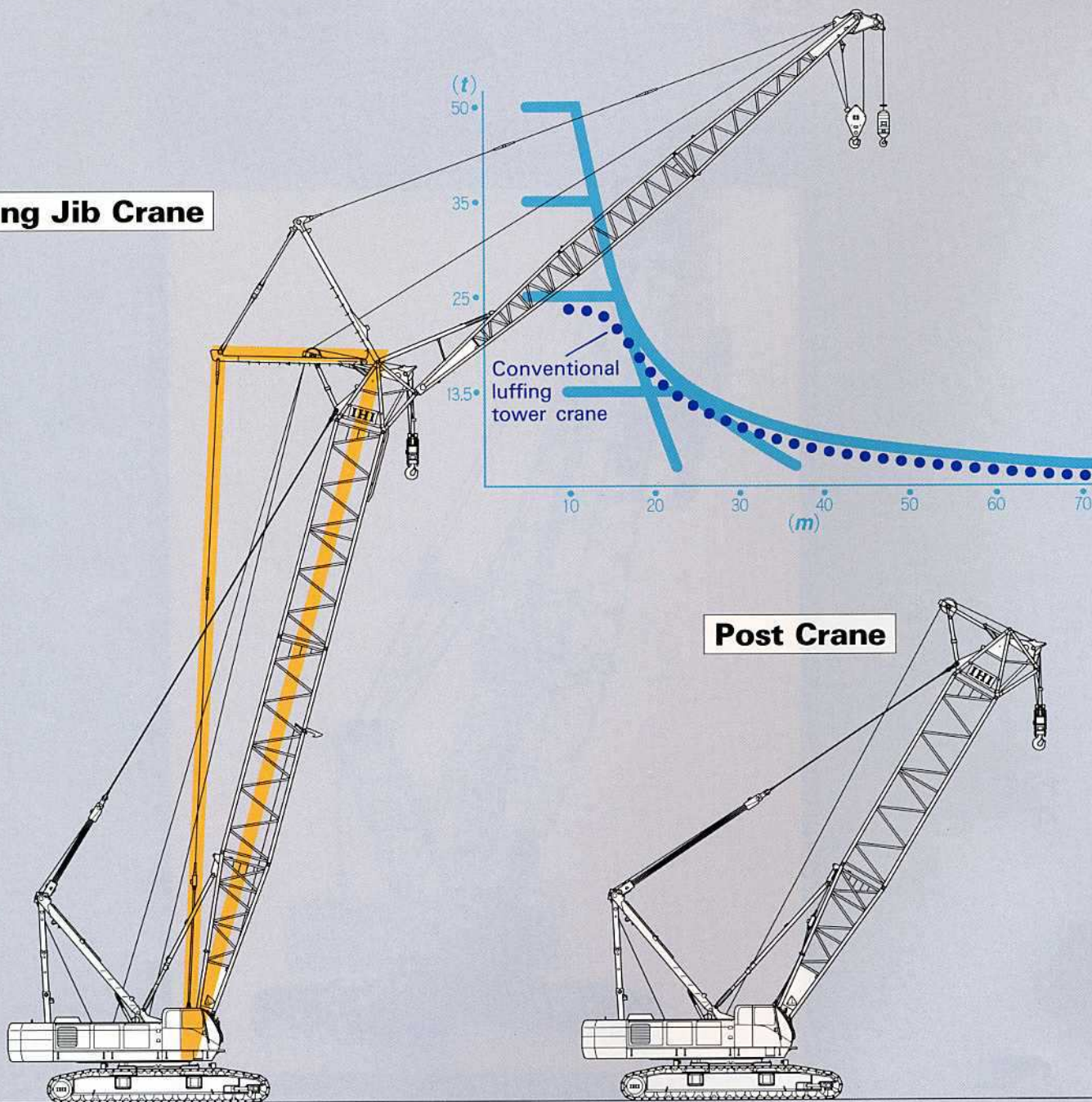


IHI Construction Machinery Limited

Courtesy of Crane.Market

Luffing Jib Crane evolved to equip “Auxiliary Jib”

Luffing Jib Crane



Post Crane

Selections are available from:

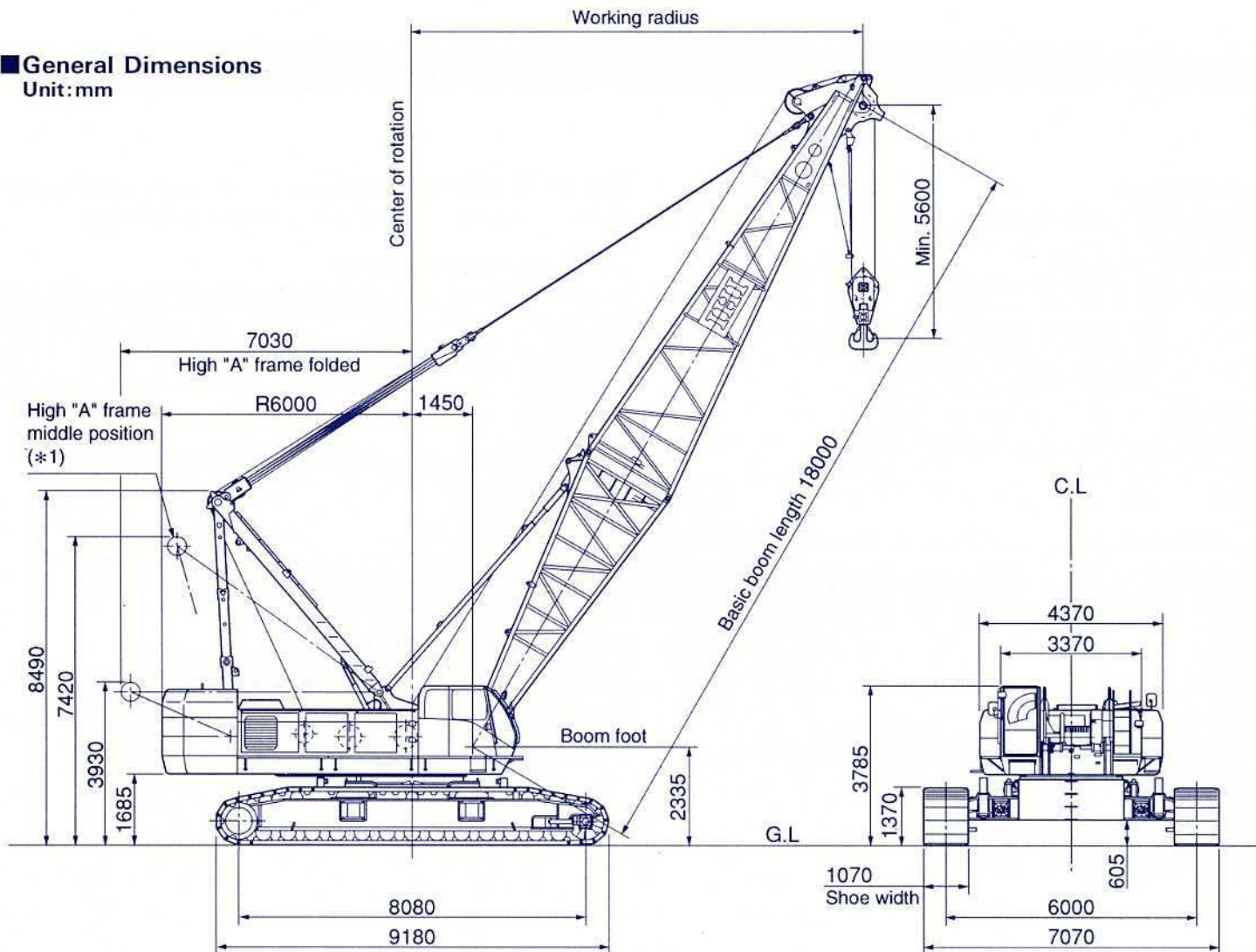
- 1) 50-ton lifting with Post
- 2) 25-ton lifting with Luffing Jib
- 3) 13.5-ton lifting with Auxiliary Jib

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	※0.9/0.6km/h
Gradability	30% (16.7°)
Engine	
Make	HINO MOTOR
Model	K13C-TJ (with turbo) diesel engine
Type	4-cycle, water cooled, straight 6-cylinder, direct injection
Rated output	235kw/2000min ⁻¹ (320PS/2000rpm)
Total piston displacement	12.882 ℓ
Fuel tank capacity	450 ℓ
Battery	DC12V×150AH×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

- **Instrument for crane**
 - Engine tacho meter (Hour meter)
 - Hydraulic oil pressure gauge (for control circuit)
 - Fuel level gauge
 - Engine coolant thermo indicator (indicated bar graph in OK monitor)
- **Lighting for crane**
 - 2-Work light (24v×80w)
 - 1-Room light (24v×10w)
- **Safety devices**
 - Automatic stop for hook overwinding
 - Automatic stop for boom overwinding
 - 2nd boom stop device (non-resettable)
 - Telescopic boom limit stop
 - Swing lock
 - Main and auxiliary drum lock
 - Boom hoist drum lock
 - Safety valve for hydraulic circuit
 - Clutch engage pin on main and auxiliary winch
 - Counter balance valve
 - Control lever locking device
 - Traction lever lock
 - Automatic braking system
 - Engine start voice alarm
- **Other standard accessories**
 - Front windshield wipers (intermittent, w/washer)
 - Roof wipers (intermittent, w/washer)
 - Sunvisor
 - Sun shade
 - Storage pouch
 - Tool box
 - Reclining operator's seat
 - Floor mat
 - Steps for operator's cab
 - Radio
 - Cigarette lighter
 - Ash tray

- Large rear view mirrors (right/left)
- Signal horn
- Electric fuel filling pump
- Swing warning flasher & alarm
- Travel warning alarm
- High "A" frame erecting device
- Low-noise cab
- Bronze tinted glass
- Wire mesh boom workway (for inner boom)
- Foot rest
- Electric type engine throttle
- Foot pedal-type engine throttle
- Ultra low-speed control (w/selector switch for coupling with engine speed or independent)
- Hydraulic assist brake for main and aux. winch
- Winch mode selector for main and aux. winch
- Rope guide roller on outer boom
- Plug socket
- Loud speaker
- Dial-type winch speed adjustment device (main, aux. and boom)
- Pump power shift device
- Emergency engine stop switches
- Foot pin cylinder device
- Fulcrum plate for erecting attachment (also used as climbing step to operator's cabin)

Optional equipment

- Moment limiter(*2)
- Optional boom canthus setting device (included in moment limiter)
- Automatic stop system (activated when near the marginal angle or when load is 90%)
- Built-in type air conditioner
- Large-sized storage bin

(*1) High "A" frame middle position when mast is in use.

(*2) Optional depend on region

Specifications

Max. Lifting capacity×working radius		200metric tons×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×2
Part line	Hook block capacity×Part line	200ton×16
	Hook block capacity×Part line	13.5ton×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/cm ²)

* The rope speed changes depending on the load.

Combination of Boom and Jib (●: Available combination)

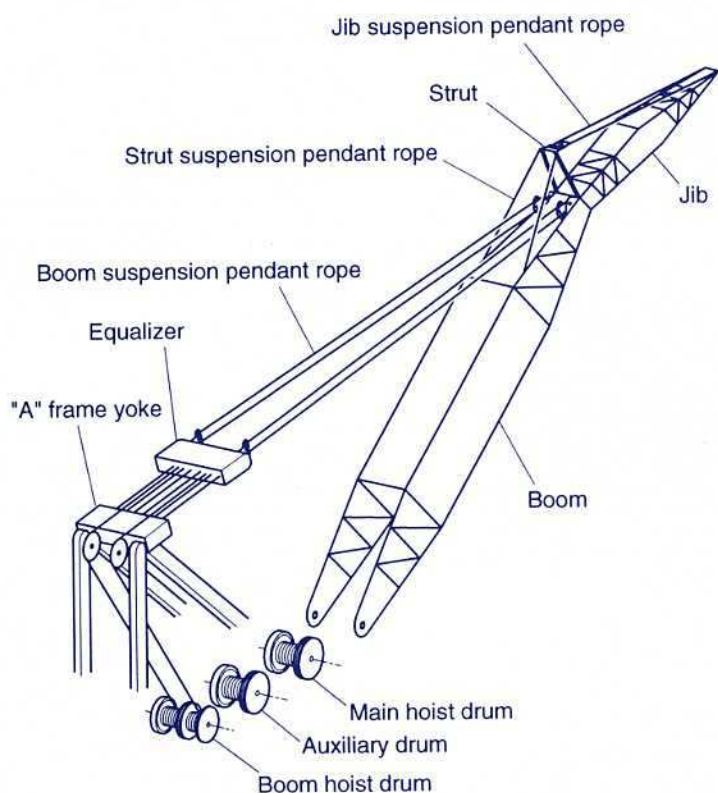
Jib length (m)	Boom length (m)												
	18	21	24	27	30	33	36	39	42	45	48	51	54
Auxiliary	●	●	●	●	●	●	●	●	●	●	●	●	●
13										●	●	●	●
19										●	●	●	●
25										●	●	●	●
31										●	●	●	●

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	φ28	70.2	P·S(19)+39×P.7
Boom hoist	φ22	36.3	IWRC6×P·WS(31)
Boom suspension	φ34	104.0	IWRC6×P·WS(36)
Aux. drum	φ28	70.2	P·S(19)+39×P.7
Jib suspension	φ28	59.7	IWRC6×Fi(29)
Jib strut suspension	φ31.5	74.9	IWRC6×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

Boom length (m)	18	21	24	27	30	33	36	39	42	45	48	51	54
Combination													
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

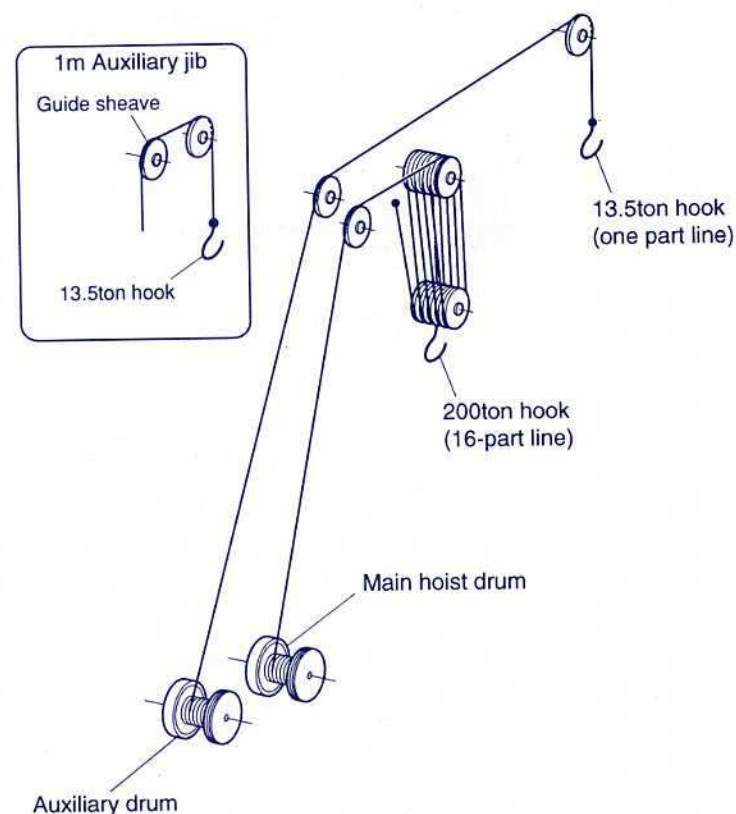
Boom length (m)	57	60	63	66	69	72	75	78	81	84	87	90
Combination												
7.5m inner	1	1	1	1	1	1	1	1	1	1	1	1
3.0m insert	2	1	1	2	1	1	2	1	1	2	1	1
6.0m insert	1	2	1	1	2	1	1	2	1	1	2	1
9.0m insert	3	3	4	4	4	5	5	5	6	6	6	7
10.5m outer	1	1	1	1	1	1	1	1	1	1	1	1

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

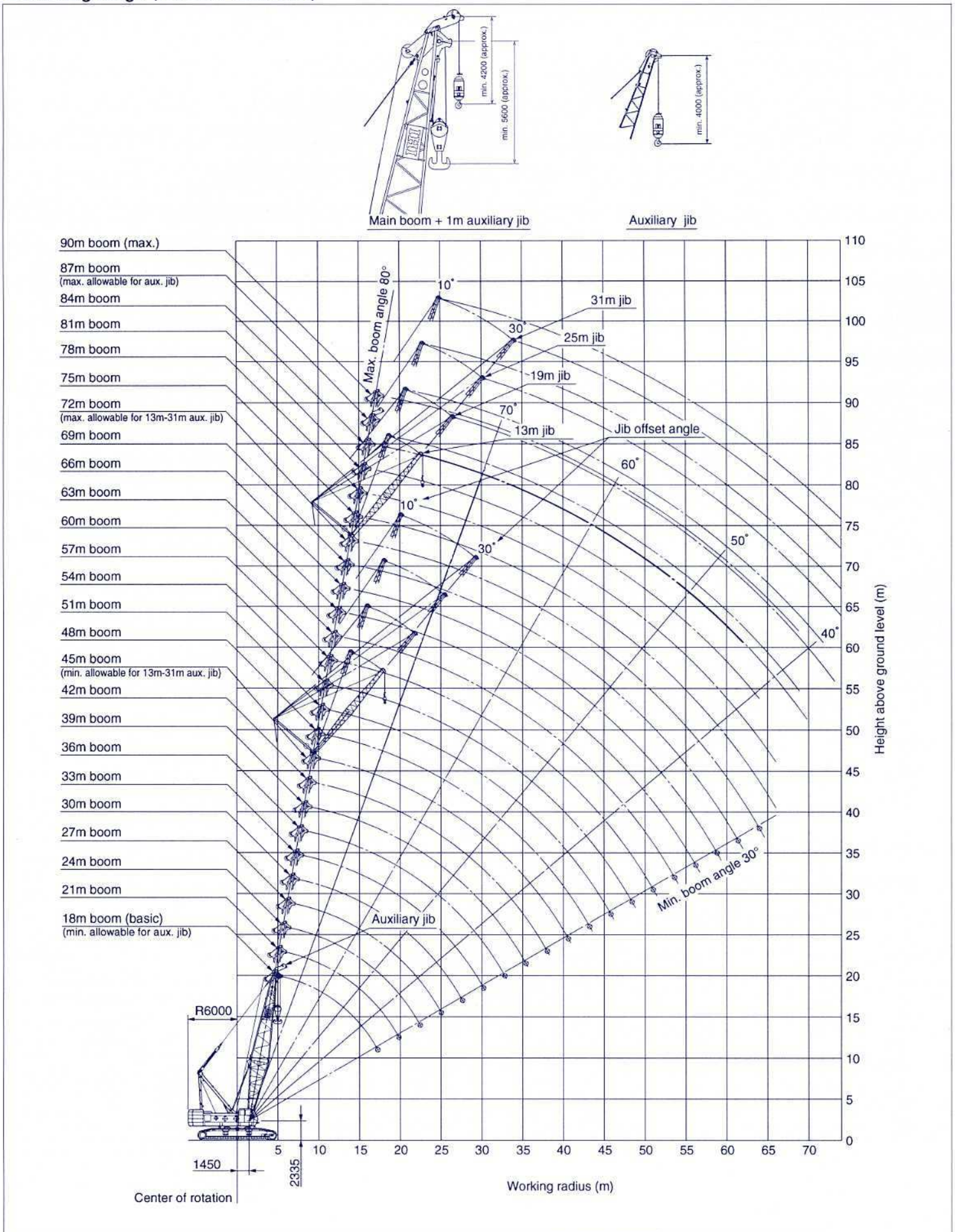
Jib standard combination

Jib length (m)	13	19	25	31
Combination				
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 × 200.0	5.6m × 165.0													
6.0	181.0	165.0	6.1m × 150.0	6.6m × 140.0											
7.0	161.9	154.3	146.7	139.1	7.2m × 130.0	7.7m × 118.0									
8.0	136.0	133.5	131.1	128.6	126.1	118.0	8.2m × 108.0	8.7m × 100.0							
9.0	116.6	115.6	114.6	113.6	112.6	108.5	104.4	100.0	9.2m × 94.0	9.8m × 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 × 80.0	10.8m × 75.0	11.3m × 72.0	11.9m × 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 × 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 × 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 × 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 × 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 × 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 × 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 × 21.7	19.9	19.7	19.6	19.5	19.3	19.1	19.0	18.8	18.6
34.0							32.8m × 19.2	18.1	18.0	17.9	17.7	17.5	17.4	17.2	17.0
36.0								35.4m × 17.1	16.6	16.5	16.3	16.1	16.0	15.8	15.6
38.0									38.0m × 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 × 14.0	13.1	12.9	12.6	12.4	12.2
44.0											43.2m × 12.5	11.9	11.7	11.5	11.3
46.0												45.8m × 11.2	10.9	10.7	10.5
48.0													10.2	10.0	9.8
50.0													48.4m × 10.0	9.3	9.1
52.0														51.0m × 8.9	8.4
54.0															53.6m × 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 × 56.0	13.4m × 50.0	13.9m × 47.0							
14.0	54.2	48.1	47.0	14.5m × 42.0	15.0m × 37.5	15.5m × 34.0				
16.0	47.1	44.1	43.3	41.8	37.5	34.0	16.0m × 30.5	16.5m × 28.0	17.0m × 25.0	17.5m × 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 × 7.1	6.5	6.3	6.1	6.0	5.8	5.6	5.2	4.6	4.2
60.0		58.8m × 6.3	5.8	5.6	5.5	5.3	5.1	4.7	4.2	3.6
62.0			61.4m × 5.5	5.2	5.0	4.8	4.6	4.3	3.6	3.1
64.0				64.0m × 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 × 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.



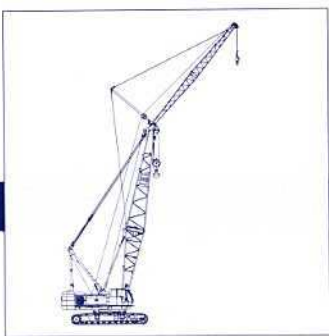
1m aux. jib rated lifting loads (78ton counterweight, 16ton weight for body)

(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×13.5														
6.0	13.5	6.4m×13.5													
7.0	13.5	13.5	7.0m×13.5	7.5m×13.5											
8.0	13.5	13.5	13.5	13.5	8.0m×13.5	8.5m×13.5									
9.0	13.5	13.5	13.5	13.5	13.5	13.5	9.0m×13.5	9.6m×13.5							
10.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	10.1m×13.5	10.5m×13.5	11.1m×13.5	11.6m×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×13.5	12.7m×13.5	13.2m×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×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×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×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×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×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×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×13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
38.0								36.9m×13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
40.0									39.5m×13.5	13.5	13.3	13.1	12.8	12.6	12.4
42.0										12.5	12.3	12.1	11.8	11.6	11.4
44.0										42.1m×12.5	11.3	11.1	10.9	10.7	10.5
46.0											44.7m×11.0	10.3	10.1	9.9	9.7
48.0												47.3m×9.8	9.4	9.2	9.0
50.0													49.9m×8.7	8.5	8.3
52.0														7.8	7.6
54.0														52.5m×7.7	7.0
56.0															55.1m×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×13.5								
14.0	13.5	14.2m×13.5	14.8m×13.5	15.3m×13.5	15.8m×13.5				
16.0	13.5	13.5	13.5	13.5	13.5	16.3m×13.5	16.9m×13.5	17.4m×13.5	17.9m×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×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×5.0	4.6	4.4	4.2	4.0	3.8	3.5	2.8
64.0			62.9m×4.4	4.0	3.8	3.6	3.4	3.0	2.4
66.0				65.5m×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 1 m auxiliary jib for crane operations only. Do not use for bucket operations.
 - Rated loads for the 1 m 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	
Working radius(m)	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°
14.0		14.1m×13.5		15.5m×12.0						14.6m×13.5								15.1m×13.5							
16.0		13.5		12.0						13.5		16m×12.0						13.5		16.6m×12.0					
18.0		13.5	18m×13.0	12.0		18.2m×8.0		19.7m×3.5		13.5	18.5m×13.0	12.0		18.7m×8.0				13.5	19m×13.0	12.0		19.2m×8.0			
20.0		13.5	13.0	12.0	21.3m×8.0	8.0		3.5		13.5	13.0	12.0	21.8m×8.0	8.0				13.5	13.0	12.0		8.0		20.7m×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	22.4m×8.0	8.0			3.5
24.0		13.5	13.0	12.0	8.0	8.0	25.7m×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	26.2m×6.0	3.5		13.5	13.0	12.0	8.0	8.0	26.7m×6.0	3.5	
28.0		13.5	13.0	12.0	8.0	8.0	6.0	3.5	29m×3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	29.6m×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	30.1m×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		53.3m×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			54.2m×8.7	8.2	8.0	8.0	6.0	3.5	3.0	55.9m×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	56.8m×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				58.8m×7.5	7.2	7.2	6.0	60m×3.5	60m×3.0			7.0	7.0	7.0	6.0	3.5	3.0	58.5m×7.2	59.4m×7.0	6.8	6.8	6.8	6.0	3.5	3.0
62.0					60.2m×7.2	6.7	6.0				61.4m×6.7	6.5	6.5	6.0	62m×3.5	62m×3.0				6.3	6.3	6.3	6.0	3.5	3.0
64.0						64m×6.3	64m×6.0					62.8m×6.3	64m×6.1	64m×6.0						64m×5.9	5.9	5.9	5.9	64m×3.5	64m×3.0
66.0																					65.4m×5.6	66m×5.5	66m×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	
Working radius(m)	Offset angle	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°
14.0		15.6m×13.5															
16.0		13.5		17.1m×12.0						16.1m×13.5		17.6m×12.0					
18.0		13.5	19.5m×13.0	12.0		19.8m×8.0				13.5		12.0					
20.0		13.5	13.0	12.0		8.0		21.3m×3.5		13.5	20m×13.0	12.0		20.3m×8.0		21.8m×3.5	
22.0		13.5	13.0	12.0	22.9m×8.0	8.0		3.5		13.5	13.0	12.0	23.4m×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	27.2m×6.0	3.5		13.5	13.0	12.0	8.0	8.0	27.7m×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	30.6m×3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	31.1m×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		61.1m×6.4	62m×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	63.7m×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	66m×3.5	66m×3.0	64.6m×5.4	5.0	5.0	5.0	5.0	5.0	66m×3.5	66m×3.0
68.0				66.6m×5.1	68m×4.9	68m×4.9	68m×4.9				4.6	4.6	4.6	4.6			
70.0											69.2m×4.4	4.3	70m×4.3	70m×4.3			
72.0											70.6m×4.2						



(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					
Working radius(m)	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°				
16.0	16.7m ^x 13.5									17.2m ^x 13.5								17.7m ^x 13.5											
18.0	13.5			18.1m ^x 12.0						13.5		18.7m ^x 12.0						13.5			19.2m ^x 12.0								
20.0	13.5	20.6m ^x 13.0	12.0			20.8m ^x 8.0				13.5	21.1m ^x 13.0	12.0		21.3m ^x 8.0				13.5	21.6m ^x 13.0	12.0		21.8m ^x 8.0							
22.0	13.5	13.0	12.0	23.9m ^x 8.0	8.0			22.3m ^x 3.5		13.5	13.0	12.0		8.0			22.8m ^x 3.5	13.5	13.0	12.0		8.0		23.3m ^x 3.5					
24.0	13.5	13.0	12.0	8.0	8.0			3.5		13.5	13.0	12.0	24.4m ^x 8.0	8.0			3.5	13.5	13.0	12.0	25m ^x 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		3.5					
28.0	13.5	13.0	12.0	8.0	8.0	28.3m ^x 6.0	3.5			13.5	13.0	12.0	8.0	8.0	28.8m ^x 6.0	3.5		13.5	13.0	12.0	8.0	8.0	29.3m ^x 6.0	3.5					
30.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	31.7m ^x 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	32.2m ^x 3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	32.7m ^x 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	66.3m ^x 4.8	67.2m ^x 4.6		4.4	4.4	4.4	4.4	3.5	3.0	4.2	4.2		3.8	3.8	3.8	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	68.9m ^x 4.0	69.8m ^x 3.9		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				71.8m ^x 3.8	3.7	3.7	3.7	3.5	3.0				3.5	3.5	3.5	3.5	3.0	71.5m ^x 3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.0				
74.0					73.2m ^x 3.5	3.3	3.3	3.3	3.0				3.1	3.1	3.1	3.1	3.0	72.4m ^x 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	
Working radius(m)	Offset angle	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°	10°	30°
18.0		18.2m ^x 13.5		19.7m ^x 12.0						18.7m ^x 13.5							
20.0		13.5		12.0						13.5		20.2m ^x 12.0					
22.0		13.5	22.1m ^x 13.0	12.0		22.4m ^x 8.0		23.9m ^x 3.5		13.5	22.6m ^x 13.0	12.0		22.9m ^x 8.0			
24.0		13.5	13.0	12.0	25.5m ^x 8.0	8.0		3.5		13.5	13.0	12.0		8.0			24.4m ^x 3.5
26.0		13.5	13.0	12.0	8.0	8.0		3.5		13.5	13.0	12.0	26m ^x 8.0	8.0			3.5
28.0		13.5	13.0	12.0	8.0	8.0	29.8m ^x 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	30.3m ^x 6.0	3.5	
32.0		13.5	13.0	12.0	8.0	8.0	6.0	3.5	33.2m ^x 3.0	13.5	13.0	12.0	8.0	8.0	6.0	3.5	33.7m ^x 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

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. Working radius is horizontal distance from center of rotation to a vertical line through the center of gravity of the load.
3. 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
4. Always extend the "A" frame during operation.
5. Use the auxiliary jibs for crane operations only. Do not use for bucket operations.
6. Rated loads for auxiliary jib are based on structural strength.
7. Boom lengths for auxiliary jib attachment are 45.0m - 72.0m.

Specifications

Max. Lifting capacity×working radius	at Post	50.0metric tons×12.0m
	at Jib	25.0metric tons×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×2
	Jib hoist/lowering	* 66~30m/min
Part line	at Post	Hook block capacity×Part line
		50ton×4
	at Jib	Hook block capacity×Part line
		25ton×2
Counterweight	Post hoist	18
	Jib hoist	8
Weight for body		78ton
Total operating weight		16ton
(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×P.7
Aux. drum	φ28	70.2	P·S(19)+39×P.7
Jib hoist	φ26	57.8	IWRC6×P·WS(31)
Post hoist	φ22	36.3	IWRC6×P·WS(31)
Jib suspension	φ34	104.0	IWRC6×P·WS(36)
Strut suspension	φ34	104.0	IWRC6×P·WS(36)
Post suspension	φ34	104.0	IWRC6×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	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

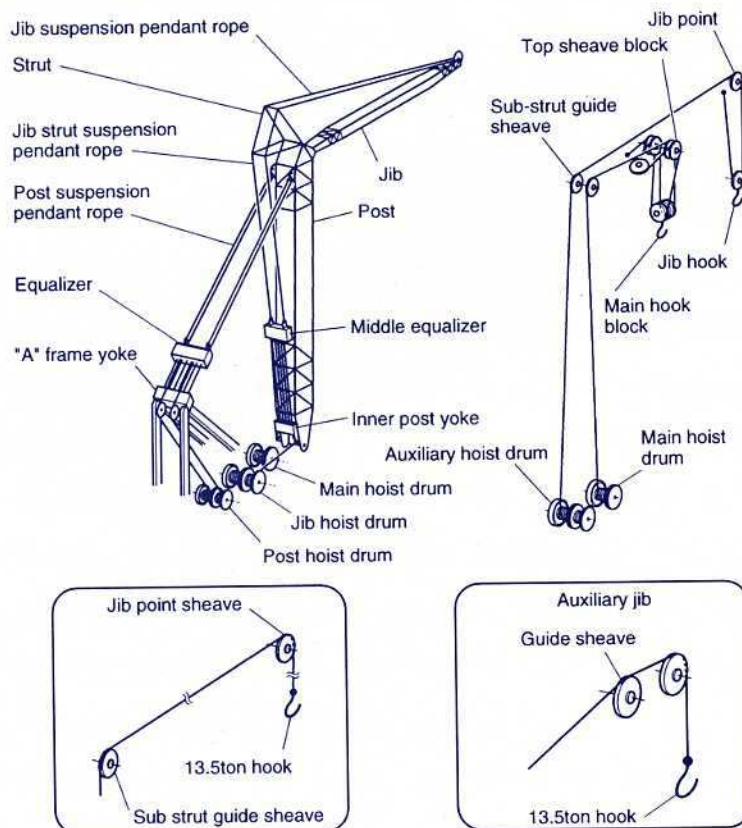
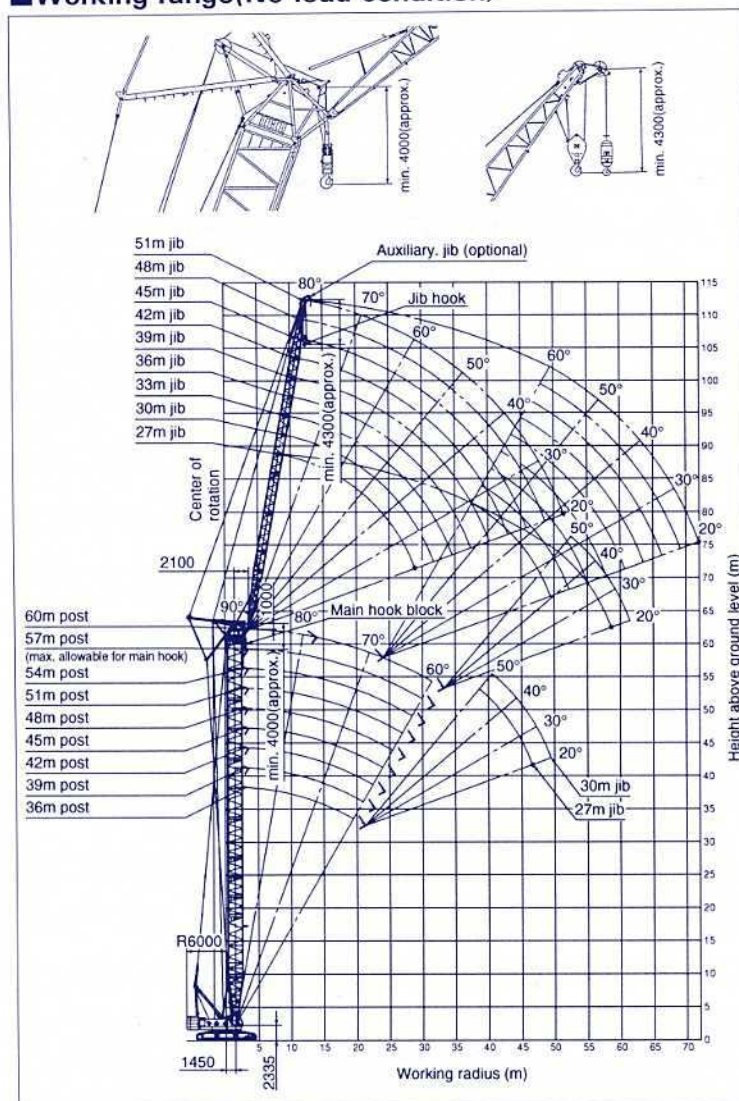
Max. lifting load×working radius (with 36m post+27m jib)		13.5metric tons×27.6m (on jib hook)
Rope speed	Load hoist/lowering	110~55/55~28m/min
Part line	Optional aux. jib hoist ×Part line	13.5ton×1

Note: The rope speed changes depending on the load.

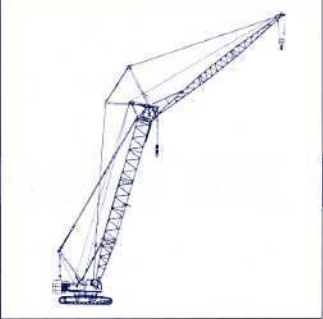
Jib combination

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)

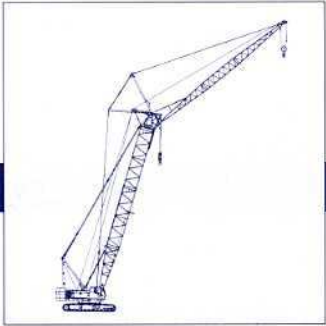
Post length(m)	36.0									39.0								
Jib length(m)	27.0			30.0			27.0			30.0			33.0					
Working radius(m) Jib offset angle	10~20°	20~40°	40°~	10~20°	20~40°	40°~	10~20°	20~40°	40°~	10~20°	20~40°	40°~	10~20°	20~40°	40°~			
6.0	6.3m×50.0	6.3m×50.0	6.3m×50.0	6.3m×50.0	6.3m×50.0	6.3m×50.0	6.6m×50.0	6.6m×50.0	6.6m×50.0	6.6m×50.0	6.6m×50.0	6.6m×50.0	6.6m×50.0	6.6m×50.0	6.6m×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	50.0			
10.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	11.9m×50.0	11.9m×50.0	10.5m×50.0	10.1m×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×5.1	34.3m×4.9	34.3m×4.9	34.3m×4.6	34.3m×4.3	34.3m×4.3	3.9	3.7	3.7	3.4	3.1	3.1						
38.0							36.9m×3.4	36.9m×3.2	36.9m×3.2	36.9m×2.9	36.9m×2.6	36.9m×2.6						

Post length(m)	42.0												45.0		
Jib length(m)	27.0			30.0			33.0			36.0			27.0		
Working radius(m) Jib offset angle	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×50.0	6.8m×50.0	6.8m×50.0	6.8m×50.0	6.8m×50.0	6.8m×50.0	6.8m×50.0	6.8m×50.0	6.8m×50.0	6.8m×50.0	6.8m×50.0	6.8m×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	7.1m×50.0	7.1m×50.0	7.1m×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×50.0	50.0	50.0	9.7m×50.0	50.0	50.0	50.0
10.0	50.0	50.0	50.0	11.9m×50.0	11.9m×50.0	11.9m×50.0	10.5m×50.0	10.1m×50.0	49.5	10.4m×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		
Working radius(m) Jib offset angle	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×50.0	7.1m×50.0	7.1m×50.0	7.1m×50.0	7.1m×50.0	7.1m×50.0	7.1m×50.0	7.1m×50.0	7.1m×50.0	7.1m×50.0	7.1m×50.0	7.1m×50.0	7.3m×50.0	7.3m×50.0	7.3m×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×50.0	50.0	9.9m×50.0	9.6m×50.0	50.0	9.7m×50.0	9.2m×50.0	50.0	50.0	50.0
10.0	11.9m×50.0	11.9m×50.0	11.9m×50.0	10.5m×50.0	10.1m×50.0	49.3	10.3m×50.0	49.8	48.2	10.2m×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)

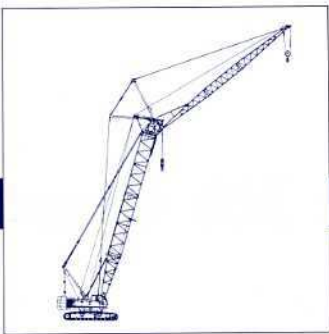
Post length(m)	48.0														
Jib length(m)	30.0			33.0			36.0			39.0			42.0		
Jib offset angle Working radius(m)	10~20°	20~40°	40°~	10~20°	20~40°	40°~	10~20°	20~40°	40°~	10~20°	20~40°	40°~	10~20°	20~40°	40°~
6.0															
7.0	7.3m×50.0	7.3m×50.0	7.3m×50.0	7.3m×50.0	7.3m×50.0	7.3m×50.0	7.3m×50.0	7.3m×50.0	7.3m×50.0	7.3m×50.0	7.3m×50.0	7.3m×50.0	7.3m×50.0	7.3m×50.0	7.3m×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×50.0	50.0	9.9m×50.0	9.5m×50.0	50.0	9.6m×50.0	9.2m×50.0	50.0	9.4m×50.0	50.0
10.0	11.9m×50.0	11.8m×50.0	11.8m×50.0	10.4m×50.0	50.0	49.2	10.3m×50.0	49.7	48.1	10.1m×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×50.0	7.6m×50.0	7.6m×50.0	7.6m×50.0	7.6m×50.0	7.6m×50.0	7.6m×50.0	7.6m×50.0	7.6m×50.0	7.6m×50.0	7.6m×50.0	7.6m×50.0	7.6m×50.0	7.6m×50.0	7.6m×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×50.0	50.0	9.8m×50.0	9.4m×50.0	50.0	9.5m×50.0	50.0
10.0	50.0	50.0	50.0	11.8m×50.0	11.7m×50.0	11.7m×50.0	10.3m×50.0	50.0	49.1	10.2m×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×50.0	7.6m×50.0	7.6m×50.0	7.6m×50.0	7.6m×50.0	7.6m×50.0	7.9m×50.0	7.9m×50.0	7.9m×50.0	7.9m×50.0	7.9m×50.0	7.9m×50.0	7.9m×50.0	7.9m×50.0	7.9m×50.0
8.0	50.0	50.0	8.9m×50.0	50.0	50.0	8.5m×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×50.0	49.6	9.8m×50.0	50.0	47.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	9.4m×50.0
10.0	50.0	47.3	44.6	49.4	45.9	42.9	11.9m×50.0	11.9m×50.0	11.9m×50.0	11.6m×50.0	11.5m×50.0	11.5m×50.0	10.1m×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								

Luffing Jib Crane

CCH2000



Post 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		
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°~
7.0	7.9m×50.0	7.9m×50.0	7.9m×50.0	7.9m×50.0	7.9m×50.0	7.9m×50.0	7.9m×50.0	7.9m×50.0	7.9m×50.0	7.9m×50.0	7.9m×50.0	7.9m×50.0	7.9m×50.0	7.9m×50.0	7.9m×49.3
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	48.9
9.0	50.0	9.6m×50.0	9.2m×50.0	50.0	9.3m×50.0	50.0	9.9m×50.0	50.0	49.4	9.8m×50.0	50.0	47.7	9.6m×50.0	48.9	45.6
10.0	50.0	49.4	47.8	50.0	48.2	46.0	49.9	47.1	44.4	49.2	45.7	42.7	48.3	43.9	40.6
12.0	41.5	39.4	37.8	40.7	38.2	36.0	39.9	37.1	34.4	39.2	35.7	32.7	38.3	33.9	30.6
14.0	32.4	30.3	28.7	31.6	29.1	26.9	30.8	28.0	25.3	30.1	26.6	23.6	29.2	24.8	21.5
16.0	23.7	21.6	20.0	22.9	20.4	18.2	22.1	19.3	16.6	21.4	17.9	14.9	20.5	16.1	12.8
18.0	17.3	15.2	13.6	16.5	14.0	11.8	15.7	12.9	10.2	15.0	11.5	8.5	14.1	9.7	6.4
20.0	12.5	10.4	8.8	11.7	9.2	7.0	10.9	8.1	5.4	10.2	6.7	3.7	9.3	4.9	
22.0	8.6	6.5	4.9	7.8	5.3	3.1	7.0	4.2		6.3	2.8		5.4		
24.0	5.5	3.4		4.7	2.2		3.9			3.2			2.3		
26.0	2.9			2.1											

Post length(m)	57.0														
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°~
8.0	8.1m×50.0	8.1m×50.0	8.1m×50.0	8.1m×50.0	8.1m×50.0	8.1m×50.0	8.1m×50.0	8.1m×50.0	8.1m×50.0	8.1m×50.0	8.1m×50.0	8.1m×50.0	8.1m×50.0	8.1m×50.0	8.1m×50.0
9.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	9.3m×50.0	50.0	9.5m×50.0	9.1m×50.0	50.0	9.2m×50.0	50.0
10.0	11.9m×50.0	11.9m×50.0	11.9m×50.0	11.5m×50.0	11.4m×50.0	11.4m×50.0	50.0	50.0	48.8	50.0	49.3	47.7	50.0	48.1	45.9
12.0	49.7	49.5	49.5	49.2	48.9	48.9	42.1	40.2	38.8	41.4	39.3	37.7	40.6	38.1	35.9
14.0	40.6	40.4	40.4	40.1	39.8	39.8	33.0	31.1	29.7	32.3	30.2	28.6	31.5	29.0	26.8
16.0	31.9	31.7	31.7	31.4	31.1	31.1	24.3	22.4	21.0	23.6	21.5	19.9	22.8	20.3	18.1
18.0	25.5	25.3	25.3	25.0	24.7	24.7	17.9	16.0	14.6	17.2	15.1	13.5	16.4	13.9	11.7
20.0	20.6	20.4	20.4	20.1	19.8	19.8	13.0	11.1	9.7	12.3	10.2	8.6	11.5	9.0	6.8
22.0	16.8	16.6	16.6	16.3	16.0	16.0	9.2	7.3	5.9	8.5	6.4	4.8	7.7	5.2	3.0
24.0	13.7	13.5	13.5	13.2	12.9	12.9	6.1	4.2	2.8	5.4	3.3		4.6	2.1	
26.0	11.1	10.9	10.9	10.6	10.3	10.3	3.5			2.8			2.0		
28.0	8.9	8.7	8.7	8.4	8.1	8.1									
30.0	7.1	6.9	6.9	6.6	6.3	6.3									
32.0	5.5	5.3	5.3	5.0	4.7	4.7									
34.0	4.1	3.9	3.9	3.6	3.3	3.3									
36.0	2.9	2.7	2.7	2.4	2.1	2.1									

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×50.0	8.1m×50.0	8.1m×50.0	8.1m×50.0	8.1m×50.0	8.1m×50.0	8.1m×50.0	8.1m×50.0	8.1m×48.3	8.1m×50.0	8.1m×49.8	8.1m×46.1
9.0	9.9m×50.0	50.0	49.3	9.8m×50.0	50.0	47.6	9.6m×50.0	48.8	45.5	9.4m×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**
- 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.
For post
50ton hook block...1.00ton
30ton hook block...1.00ton
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:
2part line.....up to 25.0ton
4part line.....up to 50.0ton
 - 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.
 - 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

CCK2000



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

(Unit : metric ton)

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

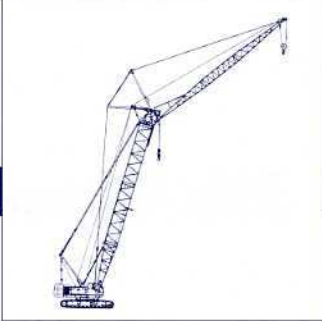
Post length(m) Jib length(m) Working radius(m) Post angle	42.0												45.0				
	27.0				30.0				33.0				36.0				27.0
	90°	80°	70°	60°	90°	80°	70°	60°	90°	80°	70°	60°	90°	80°	70°	60°	90°
8.0	8.3m×25.0				8.8m×25.0												8.3m×25.0
9.0	25.0				25.0				9.3m×25.0				9.8m×23.5				25.0
10.0	25.0		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



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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			
Working radius(m)	Post angle	90°	80°	70°	60°	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°	60°
	8.0	8.8m×25.0													8.3m×25.0			
	9.0	25.0				9.3m×25.0			9.8m×23.5						25.0			
	10.0	25.0				25.0			23.5			10.3m×21.5			25.0			
	12.0	25.0				25.0			23.5			21.5			25.0			
	14.0	14.3m×25.0				25.0			14.8m×23.5			15.1m×21.5			15.1m×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×20.2			20.3			19.4			18.6			22.9	21.0m×22.2		
	22.0	20.0	20.0			19.3	22.6m×19.0		18.4	23.6m×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×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×13.4	12.1		
	32.0	31.3m×11.7	11.1	33.7m×10.6		12.1	12.1		13.1	13.1		13.1	13.1			11.2	33.2m×10.9	
	34.0		10.5	10.5		10.5	10.5	35.2m×9.9	11.5	11.5		11.7	11.7			10.7	10.7	
	36.0		9.9	9.9		34.1m×10.5	9.4	9.4	9.9	9.9	36.7m×9.4	10.4	10.4			10.1	10.1	
	38.0		9.4	9.4			9.0	9.0	36.9m×9.3	8.7	8.7	9.2	9.2	38.2m×9.1		36.7m×9.9	9.5	
	40.0		39.0m×9.0	8.5			8.5	8.5		8.3	8.3	39.7m×8.3	8.2	8.2			8.7	
	42.0			8.0			41.8m×8.1	8.0		7.9	7.9		7.7	7.7			8.2	
	44.0			7.5	44.9m×7.3			7.5		7.4	7.4		7.3	7.3			7.6	44.4m×7.5
	46.0			7.0	7.0			7.0		44.7m×7.3	7.0		6.8	6.8			44.7m×7.5	7.2
	48.0			46.5m×6.9	6.6			6.6			6.5		47.5m×6.5	6.4				6.7
	50.0				6.2			49.3m×6.3			6.1			6.1				6.2
	52.0				5.8						5.7			5.7				5.8
	54.0				53.5m×5.6						52.1m×5.7			5.4				52.1m×5.8
	56.0													55.0m×5.2				

Post length(m)	48.0												42.0		
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°	70°
8.0	8.8m×25.0														
9.0	25.0				9.3m×25.0			9.8m×23.5							
10.0	25.0				25.0			23.5			10.3m×21.5			10.9m×19.0	
12.0	25.0				25.0			23.5			21.5			19.0	
14.0	14.3m×25.0				25.0			14.8m×23.5			15.1m×21.5			19.0	
16.0	23.6				23.2			22.4			21.0			16.7m×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×20.0			19.3	23.1m×18.8		18.4			17.6			17.4	
24.0	19.2	19.2			18.4	18.4		17.6	24.1m×17.6		16.8	25.1m×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×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×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×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×10.5	9.4	36.2m×9.4	9.9	9.9	37.7m×8.8	10.4	10.4		10.7	10.7
38.0		9.4	9.4			9.0	9.0	36.9m×9.3	8.7	8.7	9.2	9.2	39.2m×8.6	9.6	9.6
40.0		39.5m×8.7	8.5			8.5	8.5		8.3	8.3	39.7m×8.3	8.2	8.2	8.5	40.7m×8.2
42.0			8.0			8.0	8.0		7.9	7.9		7.7	7.7	7.6	7.6
44.0			7.5			42.4m×7.9	7.5		7.4	7.4		7.3	7.3	42.5m×7.4	7.0
46.0			7.0	46.4m×6.9			7.0		45.2m×7.2	7.0		6.8	6.8		6.7
48.0			47.5m×6.7	6.6			6.6			6.5		6.4	6.4		6.3
50.0				6.2			6.2			6.1			6.1		6.0
52.0				5.8			50.3m×6.1			5.7			5.7		50.8m×5.9
54.0				5.5						53.2m×5.5			5.4		5.4
56.0				55.0m×5.3									5.0		5.0
58.0															4.8
60.0															58.8m×4.7

Luffing Jib Crane



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■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× 25.0				8.8m× 25.0													
9.0	25.0				25.0				9.3m× 25.0			9.8m× 23.5						
10.0	25.0				25.0				25.0			23.5				10.3m× 21.5		
12.0	25.0				25.0				25.0			23.5				21.5		
14.0	15.1m× 25.0				14.3m× 25.0				25.0			14.8m× 23.5				15.1m× 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× 21.7			21.0				20.3			19.4				18.6		
22.0	21.5	21.5			20.0	22.6m× 19.8			19.3	23.6m× 18.6		18.4				17.6		
24.0	19.2	19.2			19.2	19.2			18.4	18.4		17.6	24.6m× 17.4			16.8	25.7m× 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× 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× 11.7	11.1			12.1	12.1		13.1	13.1			13.1	13.1	
34.0		10.7	34.2m× 10.6			10.5	35.7m× 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× 10.5	9.4	37.2m× 9.2	9.9	9.9			10.4	10.4	
38.0		37.2m× 9.7	9.5			9.4	9.4			9.0	9.0	36.9m× 9.3	8.7	38.7m× 8.5	9.2	9.2		
40.0			8.7			8.5	8.5			8.5	8.5		8.3	8.3	39.7m× 8.3	8.2	40.2m× 8.1	
42.0			8.2			40.1m× 8.5	8.0			8.0	8.0		7.9	7.9		7.7	7.7	
44.0			7.6	45.9m× 7.2			7.5			42.9m× 7.8	7.5		7.4	7.4		7.3	7.3	
46.0			45.7m× 7.2	7.2			7.0	47.9m× 6.6			7.0		45.7m× 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× 6.5	6.2			6.2			6.1		48.5m× 6.3	6.1	
52.0				5.8				5.8			51.4m× 5.9			5.7			5.7	
54.0				53.6m× 5.5				5.5						5.4			5.4	
56.0								5.1						54.2m× 5.3			5.0	
58.0								56.5m× 5.1									57.0m× 4.9	

Post length(m)	51.0						54.0											
Jib length(m)	42.0			45.0			27.0				30.0				33.0			
Post angle Working radius(m)	90°	80°	70°	90°	80°	70°	90°	80°	70°	60°	90°	80°	70°	60°	90°	80°	70°	
8.0							8.3m× 25.0				8.8m× 25.0							
9.0							25.0				25.0				9.3m× 25.0			
10.0	10.9m× 19.0			11.4m× 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× 25.0				14.3m× 25.0				25.0			
16.0	16.7m× 19.0			15.5			24.6				23.6				23.2			
18.0	18.8			19.1m× 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× 21.3			20.0	23.1m× 19.5			19.3			
24.0	16.5			14.6			19.2	19.2			19.2	19.2			18.4	24.1m× 18.4		
26.0	15.5	26.7m× 15.2		14.0	27.7m× 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× 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× 11.7	11.1			12.1	12.1		
34.0	11.8	11.8		11.3	11.3			10.7	35.3m× 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× 9.7		34.1m× 10.5	9.4		
38.0	9.6	9.6		9.7	9.7			37.8m× 9.5	9.5			9.4	9.4			9.0	38.3m× 8.9	
40.0	8.5	8.5	41.7m× 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× 7.4			8.2			40.6m× 8.4	8.0			8.0	8.0	
44.0	42.5m× 7.4	7.0	7.0	7.0	7.0	7.0			7.6				7.5			43.4m× 7.7	7.5	
46.0		6.7	6.7	45.3m× 6.7	6.5	6.5			7.2	47.4m× 6.8			7.0				7.0	
48.0		6.3	6.3		6.2	6.2			46.8m× 7.0	6.7			6.6	49.4m× 6.3			6.6	
50.0		6.0	6.0		5.9	5.9				6.2			49.6m× 6.3	6.2			6.2	
52.0		51.3m× 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× 5.7	
56.0			5.0		54.2m× 5.3	5.0				55.2m× 5.3				5.1				
58.0			4.8			4.8								4.9				
60.0			59.8m× 4.6			4.6												
62.0						4.4												
64.0						62.7m× 4.3												

Luffing Jib Crane



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

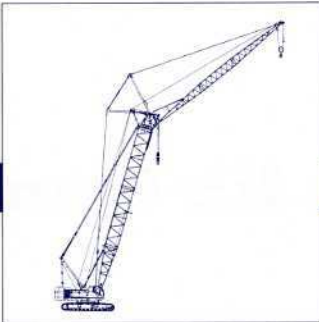
(Unit: metric ton)

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×23.5															
10.0	23.5				10.3m×21.5			10.3m×19.0			11.4m×15.5			11.9m×14.0		
12.0	23.5				21.5			19.0			15.5			14.0		
14.0	14.8m×23.5				15.1m×21.5			19.0			15.5			14.0		
16.0	22.4				21.0			16.7m×19.0			15.5			14.0		
18.0	20.6				19.8			18.8			19.1m×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×17.1			16.8			16.5			14.6			12.6		
26.0	16.8	16.8			15.7	26.2m×15.7		15.5	27.2m×15.0		14.0			12.2		
28.0	16.1	16.1			15.0	15.0		14.7	14.7		13.2	28.2m×13.2		11.7	29.3m×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×9.3	8.7	39.8m×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×8.3	8.2	41.3m×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×7.3	8.0	8.0		7.6	7.6	
44.0		7.4	7.4		7.3	7.3		7.4	7.0	7.0	7.0	7.0	44.3m×6.9	7.1	7.1	45.8m×6.5
46.0		7.0	7.0		6.8	6.8		6.7	6.7	45.3m×6.7	6.5	6.5	6.5	6.5	6.5	6.5
48.0		46.2m×6.9	6.5		6.4	6.4		6.3	6.3		6.2	6.2	6.2	5.8	5.8	5.8
50.0			6.1		49.1m×6.2	6.1		6.0	6.0		5.9	5.9	48.2m×5.8	5.5	5.5	5.5
52.0			5.7			5.7		5.7	5.7		5.6	5.6		5.3	5.3	5.3
54.0			5.4			5.4			5.4		5.4	5.4		5.1	5.1	5.1
56.0			55.2m×5.2			5.0			5.0		54.7m×5.3	5.0		4.8	4.8	4.8
58.0						4.8			4.8			4.8		57.5m×4.6	4.5	4.5
60.0									4.6			4.6				4.3
62.0									60.9m×4.5			4.4				4.0
64.0												63.7m×4.2				3.8
66.0																3.6
68.0																66.5m×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× 25.0					8.8m× 25.0												
9.0	25.0					25.0				9.3m× 25.0			9.8m× 23.5					
10.0	25.0					25.0				25.0			23.5			10.3m× 21.5		
12.0	25.0					25.0				25.0			23.5			21.5		
14.0	15.1m× 25.0					14.3m× 25.0				25.0			14.8m× 23.5			15.1m× 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× 20.8				20.0	23.6m× 19.3			19.3			18.4			17.6		
24.0	19.2	19.2				19.2	19.2			18.4	24.7m× 18.3		17.6	25.7m× 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× 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× 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× 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× 10.0			9.9	37.8m× 9.4			34.1m× 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× 8.7	36.9m× 9.3	8.7		9.2	9.2	
40.0		38.3m× 9.4	8.7			8.5	8.5				8.5	8.5		8.3	40.8m× 8.2	39.7m× 8.3	8.2	
42.0			8.2			41.1m× 8.2	8.0				8.0	8.0		7.9	7.9		7.7	42.3m× 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	7.0		6.8	6.8
48.0			47.8m× 6.8	48.9m× 6.5			6.6				6.6		46.8m× 6.8	6.5		6.4	6.4	
50.0				6.2			6.2	50.9m× 6.0			6.2			6.1		49.6m× 6.2	6.1	
52.0				5.8			50.7m× 6.1	5.8			5.8			5.7				5.7
54.0				5.5				5.5			53.5m× 5.6			5.4				5.4
56.0				5.1				5.1						5.0				5.0
58.0				56.7m× 5.0				4.9						56.3m× 5.0				4.8
60.0								59.5m× 4.7										59.1m× 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	Working radius(m)	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°	60°	90°	80°	70°	60°				
8.0														8.3mx 25.0				8.8mx 25.0							
9.0														25.0				25.0							
10.0	10.9mx 19.0				11.4mx 15.5			11.9mx 14.0						25.0				25.0							
12.0	19.0				15.5			14.0						25.0				25.0							
14.0	19.0				15.5			14.0						15.1mx 25.0				14.3mx 25.0							
16.0	16.7mx 19.0				15.5			14.0						24.6				23.6							
18.0	18.8				19.1mx 15.5			14.0						23.7				22.0							
20.0	18.4				15.4			13.5						22.9				21.0							
22.0	17.4				15.0			13.0						21.5	23.1mx 20.2			20.0							
24.0	16.5				14.6			12.6						19.2	19.2			19.2	24.2mx 19.0						
26.0	15.5	27.7mx 14.8			14.0			12.2						16.0	16.0			17.9	17.9						
28.0	14.7	14.7			13.2	28.8mx 13.0		11.7	29.8mx 11.2					13.6	13.6			15.7	15.7						
30.0	14.1	14.1			12.7	12.7		11.2	11.2					10.4	30.8mx 10.2			12.6	12.6						
32.0	13.1	13.1			12.0	12.0		10.5	10.5					9.8	9.9			11.1	11.1						
34.0	11.8	11.8			11.3	11.3		9.9	9.9					9.1	9.4			10.7	10.7						
36.0	10.7	10.7			10.6	10.6		9.4	9.4					8.5	8.9			10.1	37.3mx 9.7						
38.0	9.6	9.6			9.7	9.7		8.7	8.7					7.8	8.3			9.5	9.5						
40.0	8.5	8.5			8.8	8.8		8.1	8.1					7.3	7.8			38.9mx 9.1	8.7						
42.0	7.6	7.6	43.8mx 7.0		8.0	8.0		7.6	7.6					6.7	7.2			8.2	41.7mx 8.1						
44.0	42.5mx 7.4	7.0	7.0		7.0	7.0	45.3mx 6.7	7.1	7.1					6.2	6.5			7.6							
46.0		6.7	6.7	45.3mx 6.7	6.5	6.5	6.5	6.5	6.5	46.8mx 6.2	5.7	6.1						7.2							
48.0		6.3	6.3		6.2	6.2	5.8	5.8	5.8	5.2	5.7	48.3mx 5.6						6.7							
50.0		6.0	6.0		5.9	5.9	48.2mx 5.8	5.5	5.5	4.7	5.3	5.3						48.9mx 6.5	50.4mx 6.1						
52.0		5.7	5.7		5.6	5.6		5.3	5.3	51.0mx 4.4	5.0	5.0						5.8							
54.0		52.4mx 5.6	5.4		5.4	5.4		5.1	5.1		4.8	4.8						5.5							
56.0			5.0		55.2mx 5.2	5.0		4.8	4.8		4.5	4.5						5.1							
58.0			4.8			4.8		4.5	4.5		4.2	4.2						4.9							
60.0			4.6			4.6			4.3		4.0	4.0						58.2mx 4.9							
62.0			4.4			4.4			4.0		60.8mx 3.9	3.8													
64.0						4.2			3.8			3.6													
66.0						64.7mx 4.1			3.6			3.4													
68.0									67.5mx 3.5			3.2													
70.0												3.0													
72.0												70.3mx 3.0													

Post length(m)		60.0																							
Jib length(m)		33.0			36.0			39.0			42.0			45.0			48.0			51.0					
Working radius(m)	Post angle	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°	90°	80°	70°			
9.0	9.3mx 25.0				9.8mx 23.5																				
10.0	25.0				23.5			10.3mx 21.5			10.9mx 19.0			11.4mx 15.5			11.9mx 14.0								
12.0	25.0				23.5			21.5			19.0			15.5			14.0						12.4mx 13.1		
14.0	25.0				14.8mx 23.5			15.1mx 21.5			19.0			15.5			14.0						13.1		
16.0	23.2				22.4			21.0			16.7mx 19.0			15.5			14.0						13.1		
18.0	21.6				20.6			19.8			18.8			19.1mx 15.5			14.0						13.1		
20.0	20.3				19.4			18.6			18.4			15.4			13.5						12.8		
22.0	19.3				18.4			17.6			17.4			15.0			13.0						12.4		
24.0	18.4	25.2mx 18.1			17.6			16.8			16.5			14.6			12.6						12.0		
26.0	18.0	18.0			16.8	26.2mx 16.7		15.7	27.2mx 15.3		15.5			14.0			12.2						11.5		
28.0	16.2	16.2			16.1	16.1		15.0	15.0		14.7	28.3mx 14.6		13.2	29.3mx 12.9		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	30.3mx 11.1		10.4	31.3mx 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	34.1mx 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			36.9mx 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	40.3mx 8.4		8.3	41.8mx 7.9	39.7mx 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	43.3mx 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	42.5mx 7.4	7.0	44.8mx 6.9	7.0	7.0			7.1	7.1		6.2	6.5				
46.0		44.5mx 7.4	7.0		7.0	7.0		6.8	6.8		6.7	6.7	45.3mx 6.7	6.5	46.3mx 6.5	6.5	6.5	47.8mx 5.9	5.7	6.1					
48.0			6.6		47.4mx 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	49.3mx 5.4				
50.0			6.2			6.1		6.1	6.1		6.0	6.0		5.9	5.9	48.2mx 5.8	5.5	5.5	4.7	5.3	5.3				
52.0			5.8			5.7		5.7	5.7		5.7	5.7		5.6	5.6		5.3	5.3	51.0mx 4.4	5.0	5.0				
54.0			5.5			5.4		5.4			5.4	5.4		5.4	5.4		5.1	5.1		4.8	4.8				
56.0			54.5mx 5.4			5.0		5.0			5.0			5.0	5.0		4.8	4.8		4.5	4.5				
58.0						57.4mx 4.9					4.8			4.8			4.8		4.5	4.5			4.2	4.2	
60.0											4.6			4.6			4.6		58.6mx 4.4	4.3			4.0	4.0	
62.0											60.2mx 4.6			4.4			4.4		4.0			61.4mx 3.9	3.8		
64.0												63.0mx 4.3					4.2			3.8			3.6		
66.0																	65.8mx 4.0				3.6			3.4	
68.0																					3.4				3.2
70.0																						68.6mx 3.3			3.0
72.0																									71.5mx 2.9

Specifications

Max. Lifting capacity×working radius			25.0metric tons×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×2
	Jib hoist/ lowering		*110~55/55~28m/ min
Part line	Main drum	Hook block capacity×Part line	25ton×2
	hoist	Hook block capacity×Part line	13.5ton×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/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)	27	30	33	36	39	42	45	48	51
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×P.7
Jib hoist	φ26	61.0	P·S(19)+39×P.7
Post hoist	φ22	36.3	IWRC6×P·WS(31)
Jib suspension	φ34	104.0	IWRC6×P·WS(36)
Strut suspension	φ34	104.0	IWRC6×P·WS(36)
Post suspension	φ34	104.0	IWRC6×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
*9.0m 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

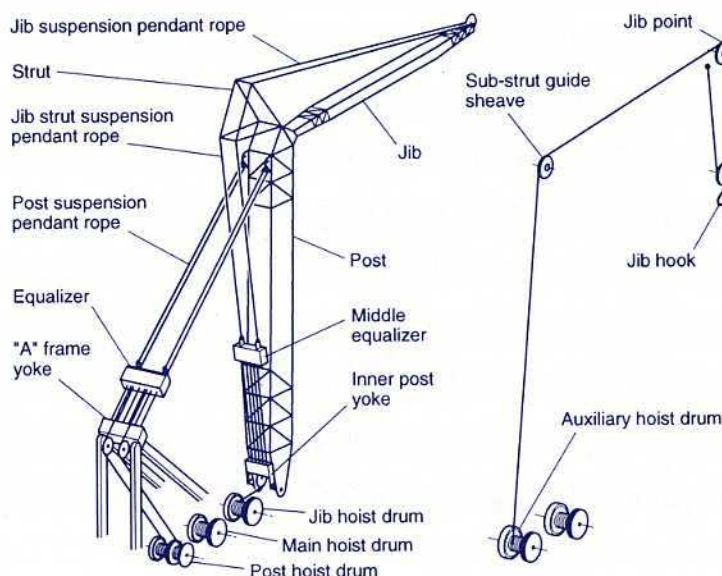
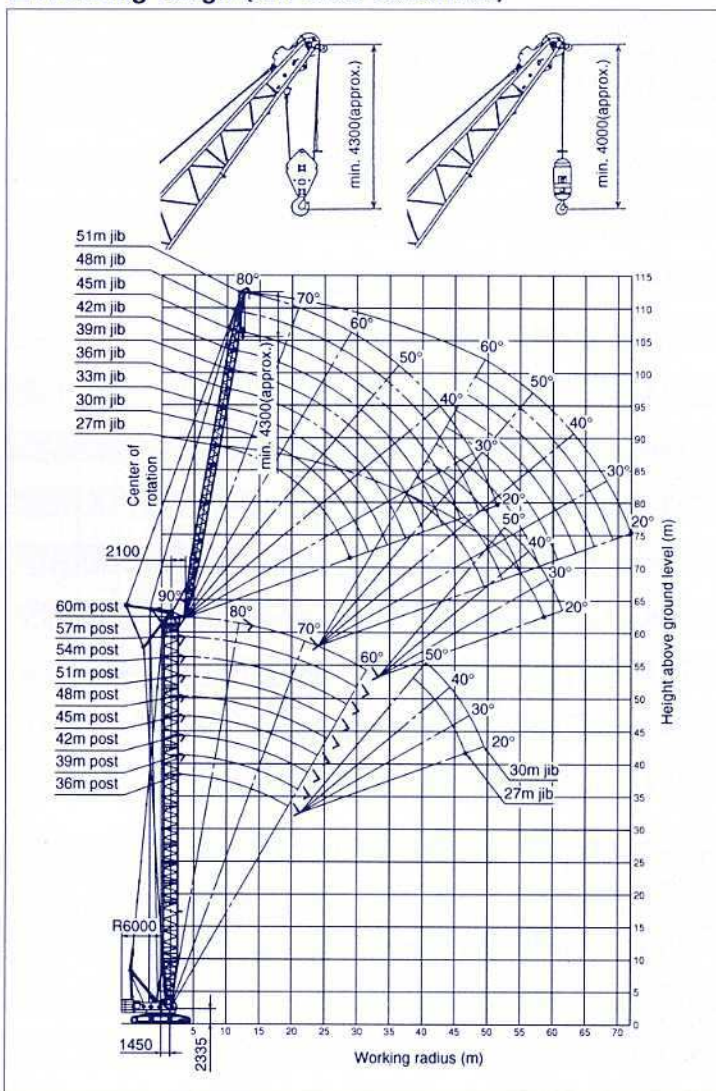
The following table shows standard combinations of jib lengths when ordering the maximum jib length specification.

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

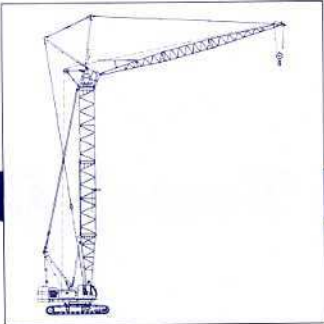
Notes on 1m Auxiliary Jib

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							
Working radius(m)	Post angle	90°	80°	70°	60°	90°	80°	70°	60°	90°	80°	70°	60°	90°	80°	70°	60°	90°	80°	70°					
8.0	8.3m×25.0					8.8m×25.0				8.3m×25.0				8.8m×25.0					9.3m×25.0						
9.0	25.0					25.0				25.0				25.0					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×25.0					14.3m×25.0				15.1m×25.0				14.3m×25.0					25.0						
16.0	24.6					23.6				24.6				23.6					23.2						
18.0	23.7	19.0m×23.3				22.0				23.7	19.5m×23.0			22.0					21.6						
20.0	22.9	22.9				21.0	21.0			22.9	22.9			21.0	20.5m×20.8			20.3	21.5m×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×12.8			15.7	15.7			13.6	13.6			15.7	15.7			16.2	16.2						
30.0	28.4m×13.4	12.1	12.1			12.6	12.6	30.6m×12.2		28.4m×13.4	12.1	30.1m×12.1		12.6	12.6	31.6m×11.5		14.1	14.1						
32.0		11.2	11.2			31.3m×11.7	11.1	11.1			11.2	11.2		31.3m×11.7	11.1	11.1		12.1	12.1	33.1m×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×10.5	10.1				9.9	9.9			35.2m×10.3	10.1			9.9	9.9		34.1m×10.5	9.4	9.4					
38.0			9.5	38.4m×9.3		37.5m×9.5	9.4				9.5	39.9m×8.8		9.4	9.4			9.0	9.0						
40.0			8.7	8.7			8.5	40.4m×8.4			8.7	8.7			8.5	41.9m×8.0			8.5	8.5					
42.0			40.6m×8.6	8.2			8.0	8.0			41.6m×8.3	8.2			8.0	8.0		40.8m×8.3	8.0	8.0					
44.0				7.6			43.4m×7.6	7.5				7.6			7.5	7.5			7.5	7.5					
46.0				7.2				7.0				7.2			44.4m×7.4	7.0				7.0					
48.0				46.1m×7.2				6.6				47.6m×6.8				6.6				47.3m×6.7					
50.0								49.0m×6.4								6.2									
52.0																50.5m×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×25.0				8.8m×25.0											8.3m×25.0				
9.0	25.0				25.0					9.3m×25.0				9.8m×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×25.0				14.3m×25.0					25.0				14.8m×23.5		15.1m×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×20.5				20.3				19.4		22.9	20.5m×22.5			
22.0	21.5	21.5			20.0	20.0				19.3	22.1m×19.3			18.4	23.1m×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×13.4	12.1	31.2m×11.6		12.6	12.6				14.1	14.1			14.4	14.4	28.4m×13.4	12.1			
32.0		11.2	11.2		31.3m×11.7	11.1	32.7m×10.9			12.1	12.1			13.1	13.1		11.2	32.2m×11.2		
34.0		10.7	10.7			10.5	10.5			10.5	10.5	34.2m×10.5		11.5	11.5	35.7m×10.1		10.7	10.7	
36.0		35.7m×10.2	10.1			9.9	9.9			34.1m×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×9.3	8.7	8.7		36.2m×10.0	9.5		
40.0			8.7	41.4m×8.3		38.5m×9.1	8.5				8.5	8.5		8.3	8.3			8.7		
42.0			8.2	8.2			8.0	43.4m×7.7			41.3m×8.2	8.0		7.9	7.9			8.2	42.9m×7.9	
44.0			42.7m×8.0	7.6			7.5	7.5				7.5		7.4	7.4			43.7m×7.7	7.6	
46.0				7.2			45.5m×7.1	7.0				7.0		44.1m×7.4	7.0				7.2	
48.0				6.7				6.6				6.6			6.5				6.7	
50.0				49.1m×6.4				6.2				48.3m×6.5			6.1				6.2	
52.0								5.8							51.1m×5.9				50.6m×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°
		8.8m× 25.0														8.3m× 25.0		
8.0		25.0				9.3m× 25.0			9.8m× 23.5						25.0			
9.0		25.0				25.0			23.5			10.3m× 21.5			25.0			
10.0		25.0				25.0			23.5			21.5			25.0			
12.0		25.0				25.0			23.5			21.5			25.0			
14.0		14.3m× 25.0				25.0			14.8m× 23.5			15.1m× 21.5			15.1m× 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× 20.2			20.3			19.4			18.6			22.9	21.0m× 22.2		
22.0		20.0	20.0			19.3	22.6m× 19.0		18.4	23.6m× 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× 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× 13.4	12.1		
32.0		31.3m× 11.7	11.1	33.7m× 10.6		12.1	12.1		13.1	13.1		13.1	13.1			11.2	33.2m× 10.9	
34.0			10.5	10.5		10.5	10.5	35.2m× 9.9	11.5	11.5		11.7	11.7			10.7	10.7	
36.0			9.9	9.9		34.1m× 10.5	9.4	9.4	9.9	9.9	36.7m× 9.4	10.4	10.4			10.1	10.1	
38.0			9.4	9.4			9.0	9.0	36.9m× 9.3	8.7	8.7	9.2	9.2	38.2m× 9.1		36.7m× 9.9	9.5	
40.0			39.0m× 9.0	8.5			8.5	8.5		8.3	8.3	39.7m× 8.3	8.2	8.2			8.7	
42.0				8.0			41.8m× 8.1	8.0		7.9	7.9		7.7	7.7			8.2	
44.0				7.5	44.9m× 7.3			7.5		7.4	7.4		7.3	7.3			7.6	44.4m× 7.5
46.0				7.0	7.0			7.0		44.7m× 7.3	7.0		6.8	6.8			44.7m× 7.5	7.2
48.0				46.5m× 6.9	6.6			6.6			6.5		47.5m× 6.5	6.4				6.7
50.0					6.2			49.3m× 6.3			6.1			6.1				6.2
52.0					5.8						5.7			5.7				5.8
54.0					53.5m× 5.6						52.1m× 5.7			5.4				52.1m× 5.8
56.0														55.0m× 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×25.0																
9.0	25.0					9.3m×25.0			9.8m×23.5								
10.0	25.0					25.0			23.5			10.3m×21.5			10.9m×19.0		
12.0	25.0					25.0			23.5			21.5			19.0		
14.0	14.3m×25.0					25.0			14.8m×23.5			15.1m×21.5			19.0		
16.0	23.6					23.2			22.4			21.0			16.7m×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×20.0				19.3	23.1m×18.8		18.4			17.6			17.4		
24.0	19.2	19.2				18.4	18.4		17.6	24.1m×17.6		16.8	25.1m×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×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×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×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×10.5	9.4	36.2m×9.4	9.9	9.9	37.7m×8.8	10.4	10.4		10.7	10.7	
38.0		9.4	9.4				9.0	9.0	36.9m×9.3	8.7	8.7	9.2	9.2	39.2m×8.6	9.6	9.6	
40.0		39.5m×8.7	8.5				8.5	8.5		8.3	8.3	39.7m×8.3	8.2	8.2	8.5	8.5	40.7m×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×7.9	7.5		7.4	7.4		7.3	7.3	42.5m×7.4	7.0	7.0
46.0			7.0	46.4m×6.9				7.0		45.2m×7.2	7.0		6.8	6.8		6.7	6.7
48.0			47.5m×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×6.1			5.7			5.7		50.8m×5.9	5.7
54.0				5.5							53.2m×5.5			5.4			5.4
56.0				55.0m×5.3										5.0			5.0
58.0																	4.8
60.0																	58.8m×4.7

Luffing Tower Crane



CCH2000

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

(Unit : metric ton)

		51.0																	
Post length(m)		27.0				30.0				33.0			36.0			39.0			
Jib length(m)																			
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× 25.0				8.8m× 25.0							9.8m× 23.5						
9.0		25.0				25.0				9.3m× 25.0			23.5						
10.0		25.0				25.0				25.0			23.5				10.3m× 21.5		
12.0		25.0				25.0				25.0			23.5				21.5		
14.0		15.1m× 25.0				14.3m× 25.0				25.0			14.8m× 23.5				15.1m× 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× 21.7			21.0				20.3			19.4				18.6		
22.0		21.5	21.5			20.0	22.6m× 19.8			19.3	23.6m× 18.6		18.4				17.6		
24.0		19.2	19.2			19.2	19.2			18.4	18.4		17.6	24.6m× 17.4			16.8	25.7m× 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× 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× 11.7	11.1			12.1	12.1		13.1	13.1			13.1	13.1	
34.0			10.7	34.2m× 10.6			10.5	35.7m× 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× 10.5	9.4	37.2m× 9.2	9.9	9.9			10.4	10.4	
38.0			37.2m× 9.7	9.5			9.4	9.4			9.0	9.0	36.9m× 9.3	8.7	38.7m× 8.5		9.2	9.2	
40.0				8.7			8.5	8.5			8.5	8.5		8.3	8.3	39.7m× 8.3	8.2	40.2m× 8.1	
42.0				8.2			40.1m× 8.5	8.0			8.0	8.0		7.9	7.9		7.7	7.7	
44.0				7.6	45.9m× 7.2			7.5			42.9m× 7.8	7.5		7.4	7.4		7.3	7.3	
46.0				45.7m× 7.2	7.2			7.0	47.9m× 6.6			7.0		45.7m× 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× 6.5	6.2			6.2			6.1		48.5m× 6.3	6.1	
52.0					5.8				5.8			51.4m× 5.9			5.7			5.7	
54.0					53.6m× 5.5				5.5						5.4			5.4	
56.0									5.1						54.2m× 5.3			5.0	
58.0									56.5m× 5.1									57.0m× 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)	90°	80°	70°	90°	80°	70°	90°	80°	70°	60°	90°	80°	70°	60°	90°	80°	70°
8.0							8.3m× 25.0				8.8m× 25.0						
9.0							25.0				25.0				9.3m× 25.0		
10.0	10.9m× 19.0			11.4m× 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× 25.0				14.3m× 25.0				25.0		
16.0	16.7m× 19.0			15.5			24.6				23.6				23.2		
18.0	18.8			19.1m× 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× 21.3			20.0	23.1m× 19.5			19.3		
24.0	16.5			14.6			19.2	19.2			19.2	19.2			18.4	24.1m× 18.4	
26.0	15.5	26.7m× 15.2		14.0	27.7m× 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× 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× 11.7	11.1			12.1	12.1	
34.0	11.8	11.8		11.3	11.3			10.7	35.3m× 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× 9.7		34.1m× 10.5	9.4	
38.0	9.6	9.6		9.7	9.7			37.8m× 9.5	9.5			9.4	9.4			9.0	38.3m× 8.9
40.0	8.5	8.5	41.7m× 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× 7.4			8.2			40.6m× 8.4	8.0			8.0	8.0
44.0	42.5m× 7.4	7.0	7.0	7.0	7.0	7.0			7.6				7.5			43.4m× 7.7	7.5
46.0		6.7	6.7	45.3m× 6.7	6.5	6.5			7.2	47.4m× 6.8			7.0				7.0
48.0		6.3	6.3		6.2	6.2			46.8m× 7.0	6.7			6.6	49.4m× 6.3			6.6
50.0		6.0	6.0		5.9	5.9				6.2			49.6m× 6.3	6.2			6.2
52.0		51.3m× 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× 5.7
56.0			5.0		54.2m× 5.3	5.0				55.2m× 5.3				5.1			
58.0			4.8			4.8								4.9			
60.0			59.8m× 4.6			4.6											
62.0						4.4											
64.0						62.7m× 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×23.5															
10.0	23.5				10.3m×21.5			10.9m×19.0			11.4m×15.5			11.9m×14.0		
12.0	23.5				21.5			19.0			15.5			14.0		
14.0	14.8m×23.5				15.1m×21.5			19.0			15.5			14.0		
16.0	22.4				21.0			16.7m×19.0			15.5			14.0		
18.0	20.6				19.8			18.8			19.1m×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×17.1			16.8			16.5			14.6			12.6		
26.0	16.8	16.8			15.7	26.2m×15.7		15.5	27.2m×15.0		14.0			12.2		
28.0	16.1	16.1			15.0	15.0		14.7	14.7		13.2	28.2m×13.2		11.7	29.3m×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×9.3	8.7	39.8m×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×8.3	8.2	41.3m×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×7.3	8.0	8.0		7.6	7.6	
44.0		7.4	7.4		7.3	7.3		7.0	7.0	7.0	7.0	44.3m×6.9		7.1	7.1	45.8m×6.5
46.0		7.0	7.0		6.8	6.8		6.7	6.7	45.3m×6.7	6.5	6.5		6.5	6.5	6.5
48.0		46.2m×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×6.2	6.1		6.0	6.0		5.9	5.9		48.2m×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×5.2			5.0			5.0		54.7m×5.3	5.0			4.8	4.8
58.0						4.8			4.8				4.8		57.5m×4.6	4.5
60.0									4.6				4.6			4.3
62.0									60.9m×4.5				4.4			4.0
64.0													63.7m×4.2			3.8
66.0																3.6
68.0																66.5m×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× 25.0					8.8m× 25.0												
9.0	25.0					25.0				9.3m× 25.0			9.8m× 23.5					
10.0	25.0					25.0				25.0			23.5			10.3m× 21.5		
12.0	25.0					25.0				25.0			23.5			21.5		
14.0	15.1m× 25.0					14.3m× 25.0				25.0			14.8m× 23.5			15.1m× 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× 20.8				20.0	23.6m× 19.3			19.3			18.4			17.6		
24.0	19.2	19.2				19.2	19.2			18.4	24.7m× 18.3		17.6	25.7m× 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× 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× 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× 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× 10.0				9.9	37.8m× 9.4		34.1m× 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× 8.7	36.9m× 9.3	8.7		9.2	9.2	
40.0		38.3m× 9.4	8.7				8.5	8.5			8.5	8.5		8.3	40.8m× 8.2	39.7m× 8.3	8.2	
42.0			8.2				41.1m× 8.2	8.0			8.0	8.0		7.9	7.9		7.7	42.3m× 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× 6.8	48.9m× 6.5				6.6				6.6		46.8m× 6.8	6.5		6.4	6.4
50.0				6.2			6.2	50.9m× 6.0				6.2			6.1	49.6m× 6.2	6.1	
52.0				5.8			50.7m× 6.1	5.8				5.8			5.7		5.7	
54.0				5.5				5.5				53.5m× 5.6			5.4		5.4	
56.0				5.1				5.1							5.0		5.0	
58.0				56.7m× 5.0				4.9							56.3m× 5.0			4.8
60.0								59.5m× 4.7									59.1m× 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		90°	80°	70°	90°	80°	70°	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					9.3m x 25.0		
9.0														25.0				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					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	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		
Working radius(m)	Post angle	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			19.1m x 15.6			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 14.6		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	6.7	45.3m x 6.7	6.5	6.5	46.3m x 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 5.0	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		53.0m x 5.5	5.4		5.4	5.4		5.1	5.1		4.8	4.8	
56.0			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		4.6	58.6m x 4.4	4.3	4.0	4.0	
60.0						4.6			4.6			4.6				4.0	61.4m x 3.9	3.8	
62.0						60.2m x 4.6			4.4			4.4		4.2				3.6	
64.0									63.0m x 4.3					65.8m x 4.0				3.4	
66.0																	3.4		
68.0																		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 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×working radius	50.0metric tons×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×2
Part line	Main drum hoist Hook block capacity×Part line 50ton×4 Post hoist Hook block capacity×Part line 25ton×2 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×P.7
Boom hoist	φ22	36.3	IWRC6×P·WS(31)
Boom suspension	φ34	104.0	IWRC6×P·WS(36)

Post crane composition

Post composition	Post length	Post length (m)												
	(m)	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
* 3.0m 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	2	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

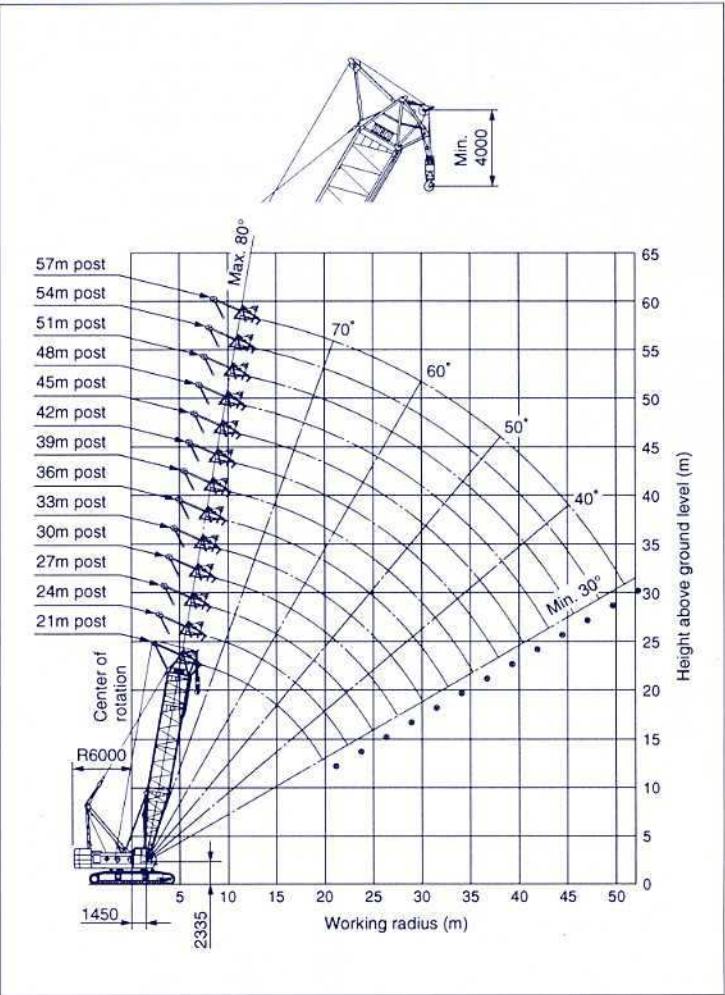
- Above rated loads are based on firm level ground, within 78% of tipping load at any point 360° throughout and with front stability of 1.15 or more.
- Working radius is horizontal distance from center of rotation to a vertical line through the center of gravity of the load.
- The actual lifting loads 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 to13.5ton
2Part line.....up to25.0ton
3Part line.....up to37.5ton
4Part line.....up to50.0ton

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

(Unit:metric ton)

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×50.0												
7.0	50.0	7.4m×50.0	7.9m×50.0										
8.0	50.0	50.0	50.0	8.4m×50.0									
9.0	50.0	50.0	50.0	50.0	9.0m×50.0	9.5m×50.0							
10.0	50.0	50.0	50.0	50.0	50.0	50.0	10.0m×50.0	10.5m×50.0	11.0m×50.0	11.6m×50.0			
12.0	50.0	50.0	50.0	50.0	50.0	13.9m×50.0	13.9m×50.0	13.8m×50.0	13.8m×50.0	12.1m×50.0	12.6m×50.0	13.1m×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×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×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×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×17.7	16.7	16.6	16.4	16.3	16.1	16.0	15.8	15.7	15.5
32.0					31.7m×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×13.5	12.3	12.1	12.0	11.8	11.7	11.5	11.3
38.0							36.9m×11.8	11.1	10.9	10.7	10.6	10.4	10.3
40.0								39.5m×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×9.1	8.2	8.0	7.9	7.7
46.0										44.7m×7.9	7.3	7.2	7.0
48.0											47.3m×6.9	6.5	6.4
50.0												49.9m×5.9	5.7
52.0													5.0

Working range (No load condition)



Specifications

Max. lift above ground		46.0m (18m boom + 2.5m ³ bucket)
Rope speed	Bucket closing	* 110~55 / 55~28m/min
	Bucket holding	* 110~55 / 55~28m/min
	Boom hoist and lowering	* 32~14m/min × 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 18 m boom+2.5m ³ bucket)		196.0ton (Approx.)
Average ground bearing pressure		105kPa (1.07kg/cm ²)

* : The rope speed changes depending on the load.

Wire rope

Place of use	Rope diameter(mm)	Guaranteed strength(t)	Rope type
Bucket closing	φ28	59.7	IWRC6×Fi(29)
Bucket holding	φ28	59.7	IWRC6×Fi(29)
Boom hoist	φ22	36.3	IWRC6×P·WS(31)
Boom suspension	φ34	104.0	IWRC6×P·WS(36)
Tagline	φ10	5.5	6×19

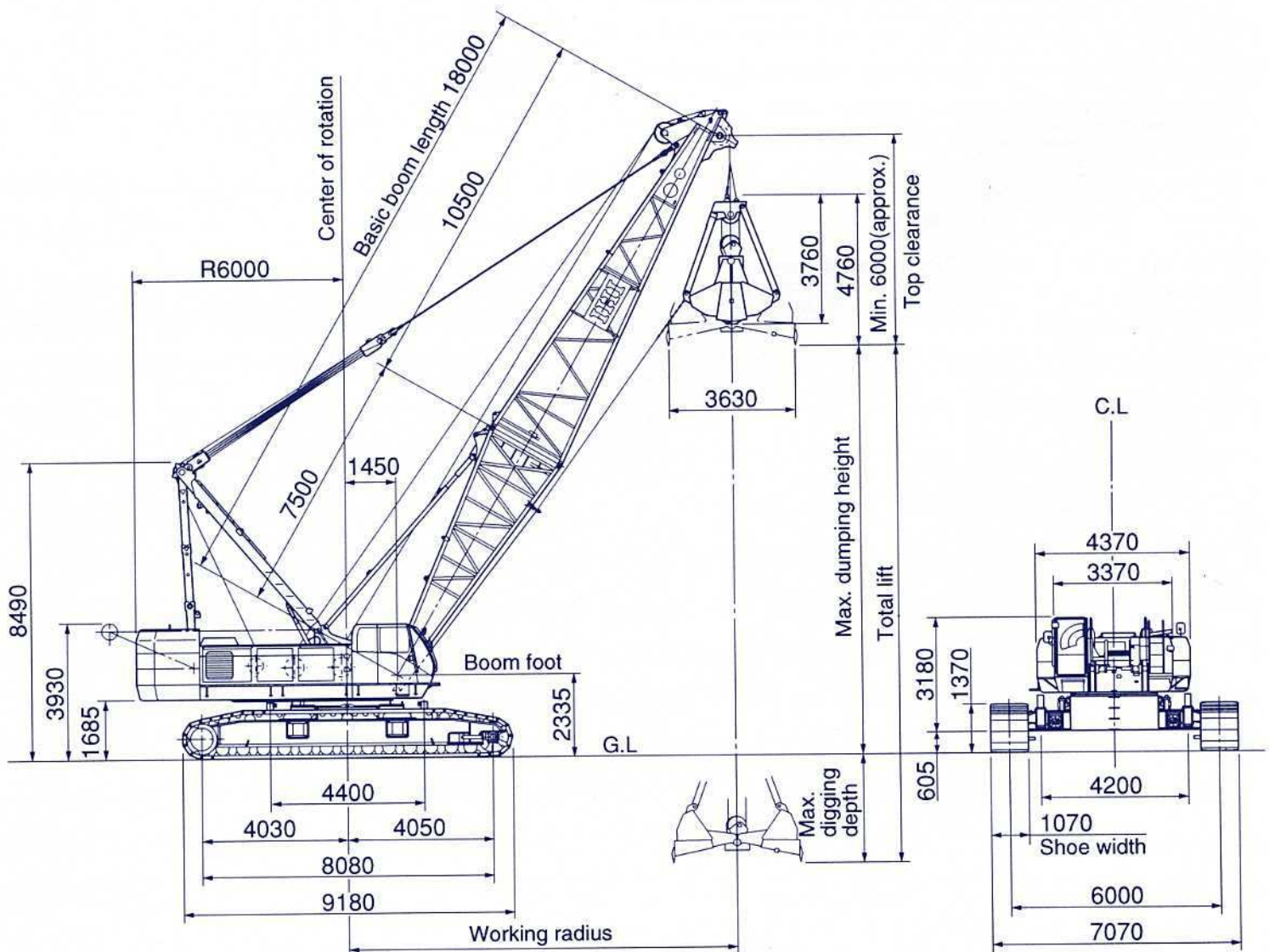
Length of wire rope to be decided according to the ordered boom length.

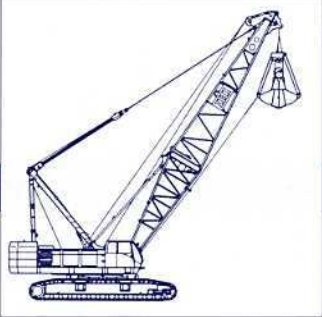
Bucket specifications

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)

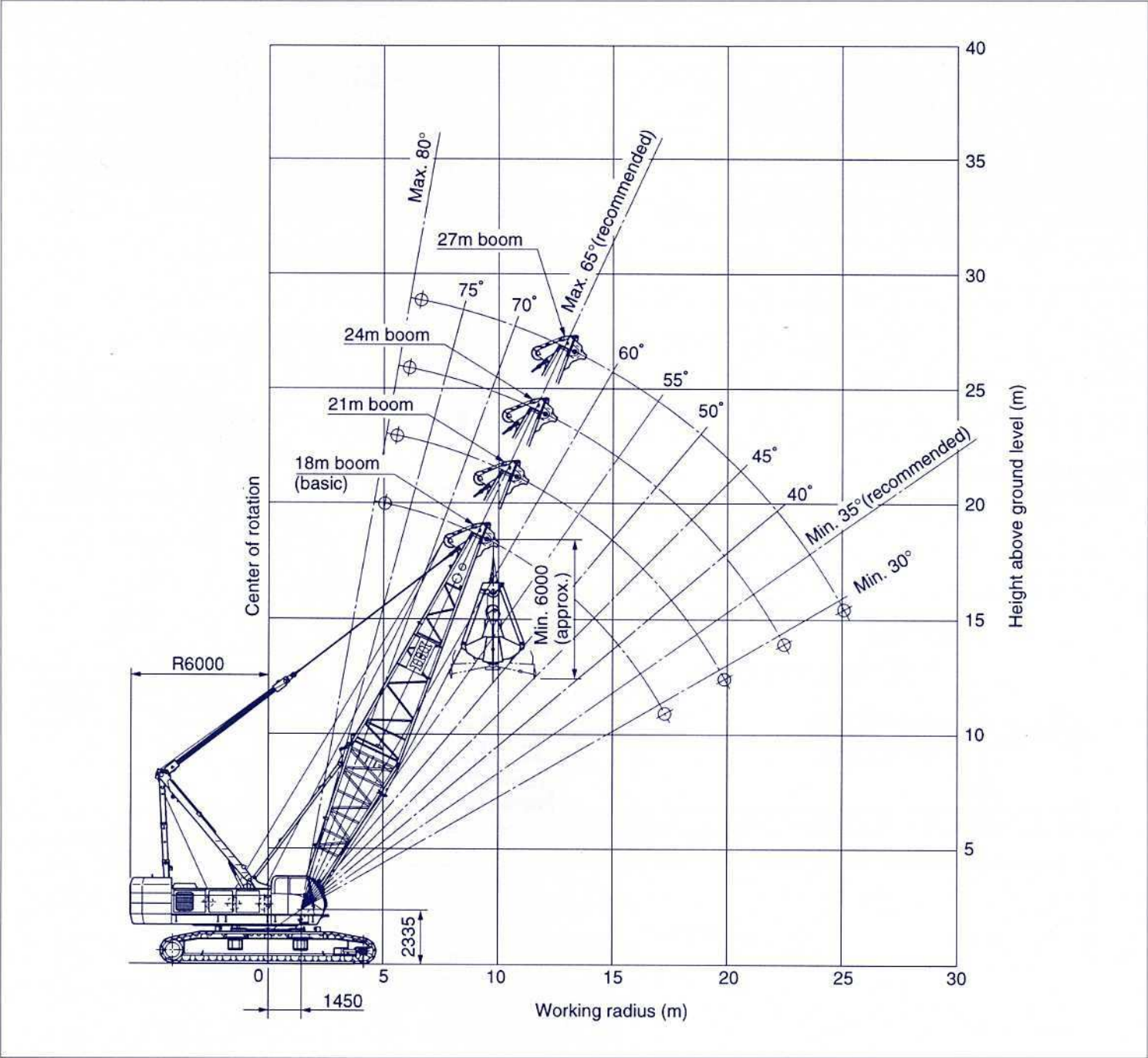
General Dimensions

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 6.5ton, 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 specifications

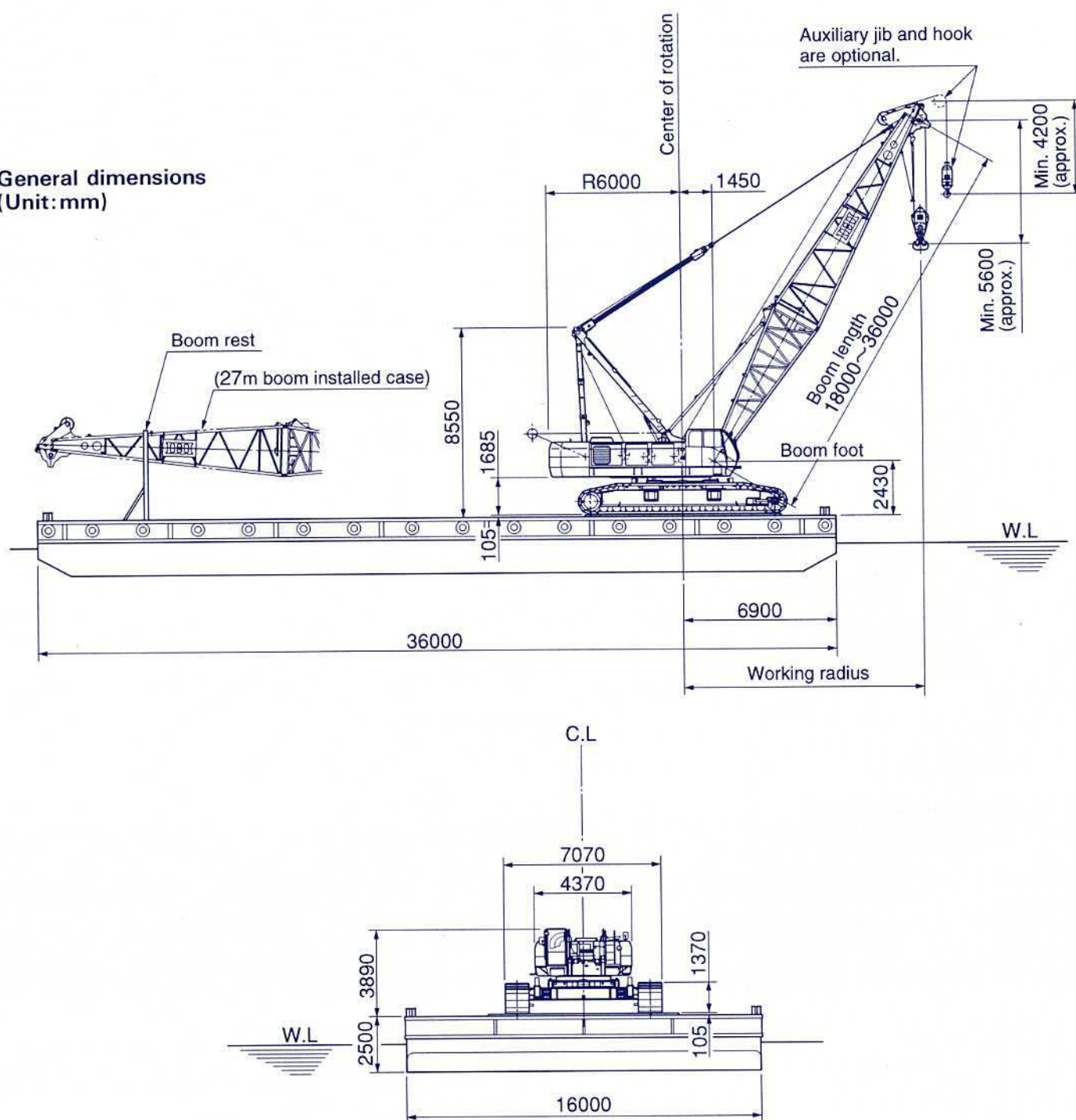
Max. lifting capacity(metric ton)×working radius(m)		100×7.0 (360° throughout)
Max. boom length		36.0
Rope speed	Main drum hoist/lowering	* 110~0m/min
	Aux. drum hoist/lowering	* 110~0m/min
	Boom drum hoist/lowering	* 55~0m/min
Part line	Main drum hoist	Hook block capacity×part line
		100ton×8
	Boom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

* : The rope speed changes depending on the load.

■ Wire rope

Place of use	Rope diameter(mm)	Guaranteed strength(t)	Rope type
Hook hoist	φ28	67.0	IWRC6×P·Fi(29)
Boom hoist	φ22	36.3	IWRC6×P·WS(31)
Boom suspension	φ34	104.0	IWRC6×P·WS(36)
Jib hoist	φ28	67.0	IWRC6×P·Fi(29)

■ General dimensions (Unit:mm)



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

■ 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 × 100.0	80.0										
6.0	100.0	77.0	100.0	78.5	6.1m × 100.0	80.0	6.6m × 100.0	80.0						
7.0	100.0	73.5	100.0	76.0	100.0	77.5	100.0	79.0	7.2m × 97.2	80.0	7.7m × 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 × 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 × 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 × 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 × 26.8	30.0	24.2	33.5	24.1	42.0	24.0	47.5	23.9	52.0
26.0							25.0m × 22.9	30.0	21.6	36.0	21.5	42.5	21.4	47.5
28.0									27.6m × 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 × 17.4	30.0	16.0	32.5
34.0													32.8m × 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
100ton hook block.....1.40ton
60ton hook block.....1.20ton
30ton hook block.....1.00ton
for 1m aux. jib
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

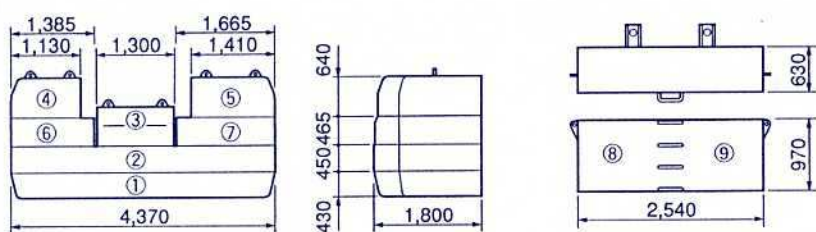
(Unit: metric ton)

Working radius(m)	18	21	24	27	30	33	36
5.0	5.9m × 13.5						
6.0	13.5	6.4m × 13.5	7.0m × 13.5				
7.0	13.5	13.5	13.5	7.5m × 13.5	8.0m × 13.5		
8.0	13.5	13.5	13.5	13.5	13.5	8.5m × 13.5	9.0m × 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 × 13.5	21.4m × 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 × 13.5	13.5	13.5	13.5	13.5
26.0				26.6m × 13.5	13.5	13.5	13.5
28.0					29.2m × 13.5	13.5	13.5
30.0						13.5	13.5
32.0						31.7m × 13.5	13.5
34.0							34.3m × 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
30ton hook block...1.00ton
50ton 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

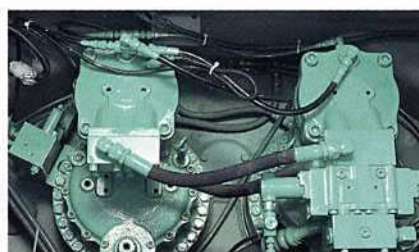
Main part name		Mass (tons)	Q'ty	dimensions(m)L×W×H																					
Main body	Main body (without "A" frame, ropes, axles and crawlers)	(31.9)	(1)	7.95×3.37×3.17																					
	Main body (with "A" frame, and without ropes, axles and crawlers)	(36.2)	(1)	9.60×3.37×3.32																					
	Main body (with "A" frame, ropes, and axles, and without crawlers)	47.3	1	10.17×3.37×3.33																					
	Crawler	18.9	2	9.18×1.07×1.37																					
	Counterweight, weight for body	94.0	9	See below.																					
	Counterweight arrangement and dimensions (mm)																								
<table data-bbox="1159 330 1386 606"><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	94.0
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	94.0																								
Crane attachment	Inner boom (with boom limit stop)	3.1	1	7.75×2.65×2.4																					
	Outer boom (with pendant rope)	3.4	1	11.3×2.45×2.35																					
	3m insert boom (with pendant rope)	0.85	As required	3.15×2.45×2.35																					
	6m insert boom (with pendant rope)	1.35	As required	6.15×2.45×2.35																					
	9m insert boom (with pendant rope)	1.8	As required	9.15×2.45×2.35																					
	Equalizer	0.8	1	2.27×1.14×0.36																					
	Inner jib (with jib strut pendant rope)	1.1	1	6.95×1.35×1.05																					
	Outer jib (with pendant rope)	0.5	1	6.85×1.07×1.05																					
	1m aux. jib	0.35	1	1.99×0.64×0.4																					
	6m insert jib (with pendant rope)	0.25	As required	6.1×0.98×1.05																					
	200ton hook	2.7	1	0.85×2.36×1.01																					
	150ton hook	2.4	1	0.85×2.21×0.82																					
	100ton hook	1.4	1	0.73×1.97×0.54																					
	60ton hook	1.2	1	0.8×1.77×0.5																					
	13.5ton hook (shared with luffing jib)	0.6	1	0.46×1.52×0.46																					
Luffing attachment	Inner post (with inner post yoke and stabilizer)	5.3	1	7.75×2.65×2.4																					
	Tower top	2.9	1	4.86×3.02×2.35																					
	3m insert post (shared with 3m insert boom)	0.95	As required	3.15×2.45×2.35																					
	6m insert post (shared with 6m insert boom)	1.50	As required	6.15×2.45×2.35																					
	9m insert post (shared with 9m insert boom)	2.10	As required	9.15×2.45×2.35																					
	Middle equalizer	0.3	1	1.21×0.76×0.33																					
	Strut	2.5	set	7.42×2.07×1.15																					
	Tower inner jib (with jib limit stop)	1.82	1	9.15×2.57×1.5																					
	Tower outer jib (with pendant rope)	1.1	1	9.4×2.1×1.61																					
	3m tower insert jib (with pendant rope)	0.32	As required	3.1×1.6×1.5																					
	6m tower insert jib (with pendant rope)	0.54	As required	6.1×1.6×1.5																					
	9m tower insert jib (with pendant rope)	0.74	As required	9.1×1.6×1.5																					
	50ton hook (for post operations)	1.0	1	0.8×1.9×0.43																					
	25ton hook (shared with post and jib operations)	1.0	1	0.8×1.61×0.35																					

◆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.

OPERATOR ORIENTED DESIGN ENSURES SAFE AND EFFECTIVE OPERATION OF GREAT 200-TON

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



●Powerful Swing

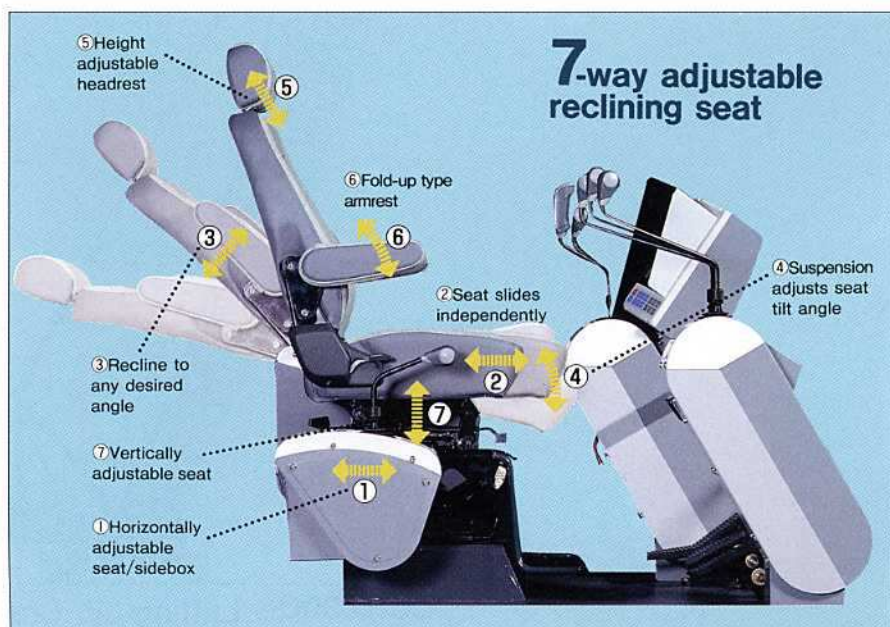
Powerful double-hydraulic-motor for swing motion is independent from all other operations.



●Full Power-Efficient Hydraulic Control System

Two variable displacement pumps and one gear pump incorporated into engine provide the most effective usage of engine output. Hydraulic flow and pressures are automatically regulated to deliver high flow and low pressure for lighter loads, low flow and high pressure under heavy loading.

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)



●Dial system controller

Hydraulic pump delivery volume is controlled in conjunction with engine speed supplemented by and independent swash-plate angle control dial. The device provides easy, accurate and precise inching work.



●Wide visibility and deluxe control stands

Dazzle free front glass, radio, intermittent windshield wiper, sunshade, stowbox are standard equipped. Levers, pedals, switches are logically located for safe and easy operation. Engine throttle switch is integrated on swing lever grip. Winch mode switch (select foot or automatic) is located on main and aux. hoist levers.





CCH2000-5 Luffing Jib Crane



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