

Fully Hydraulic Crawler Crane

IHI

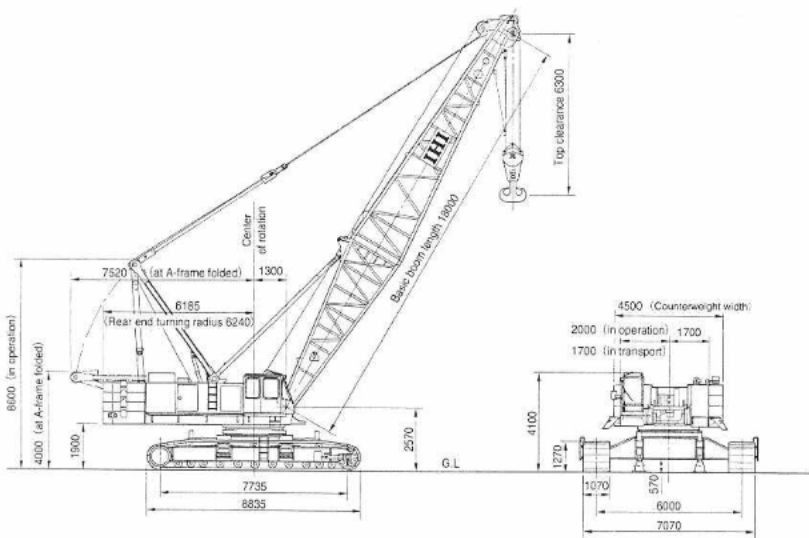
CCH1500-3



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IHI Constructor

IHI Construction

■ General dimensions (with basic boom) Unit : mm



■ Specifications

Performance	
Swing speed	0.5~2.3 rpm (controlled stepless)
Travel speed	*1.2 / 0.7 km/h
Gradeability	30% (16.7°)
Engine	
Maker & Model	HINO MOTOR EF 750
Type	4 cycle, water cooled, overhead valve, direct injection diesel
Rated output	275 PS/2000 rpm
Total displacement	16,745 cc
Fuel tank capacity	440 l
Battery	12 V x 150 AH x 2 pcs.
Load Hoist System (Main and Aux.)	
Hydraulic motor	Axial piston type
Reduction gear	Two-stage planetary gear
Hoist drums (Main and Aux.)	Rebus type grooved cylindrical drum on individual shaft
Clutches	Internal expanding band type
Brakes	External contracting band type
Drum lock (Main and Aux.)	Ratchet type, spring-loaded hydraulic released
Boom Hoist System	
Hydraulic motor	Axial piston type
Reduction gear	Two-stage planetary gear
Hoist drum	Rebus type grooved cylindrical drum on shaft
Brake	Wet type multi disc
Drum lock	Ratchet type, spring-loaded hydraulic released

* Travel speed changes depending on the load.

Standard equipment

- 18 meter basic boom
- 15C ton hook block
- 2 work lights
- Boom light
- Jack devices for dismantling
- Crawler steps
- Lateral cylinders for dismantling crawler
- Front windshield wipers
- Roof wiper
- Large rear view mirrors (right/left)
- Reclining operator's seat
- Radio
- Cigarette lighter
- Ash tray
- Floor mat
- Foot pedal-type engine throttle
- Steps for operator's cab
- Low-noise cab
- Horn
- Swing warning flasher
- Travel warning horn
- Electric fuel filling pump
- Wire mesh boom walkway (for inner boom)
- Boom foot pin cylinder
- Operator's cab sliding device
- Sun visor
- High "A" frame erecting cylinder
- Hoist drum mirror and light
- Data-ink
- Oil monitor

Optional equipment

- Moment limiter (Overload prevention)
- Sing wire for assembly and disassembly
- Oil limit fence
- Combustion type heater
- Wireless phone
- Yellow rotary light
- Bulb horn
- Handrail for catwalk (foldable type)
- Catwalk ladder type, withdrawable handrail
- Safety guard on cab (foldable type)
- Spark arrester
- Electrical type level indicator
- 3 m, 5 m, 9 m, insert boom for lift crane
- 13 m basic jib, 6 m insert jib (with pendant rope)
- 1 m jib
- 100 ton, 80 ton, 60 ton hook block
- 35 ton hook block (common use for main hook of tower crane and 2 part line of jib)
- 15 ton, 11 ton hook block for jib
- Anemometer
- Boom indicator lamp
- Safety guard on boom
- Mast (required boom length over 69 m)
- Reeling winch
- Hydraulic type tagline
- Drum roller
- Fire extinguisher
- Protector cab and front glass
- Air conditioner

Specifications

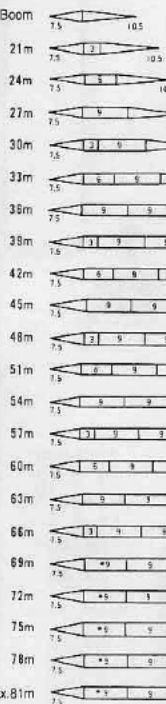
Max. lifting capacity × working radius	150 metric tons × 5.0 m	
Max. boom length w/jib boom	103 m (72 m main + 31 m jib)	
Rope speed	Main drum hoist/lowering	* Hi : 100/60 m/min
	* Lo : 50/30 m/min	
	Aux. drum hoist/lowering	* Hi : 100/60 m/min
	* Lo : 50/30 m/min	
Part line	Boom drum hoist/lowering	* 28 × 2 m/min
	150 ton hook block	16 part line
	15 ton hook block	2 part line
	11 ton hook block	2 part line
Counterweight	Standard spec.	Additional spec.
	56 ton	69 ton + 16 ton (carbody wt.)
Total operating weight (with 18 m boom & 150 ton hook block)	152.8 ton	181.6 ton
Average ground bearing pressure	0.86 kg/cm ²	1.02 kg/cm ²

* : The rope speed will be changed depending on the load.

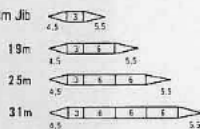
Boom Composition

Jib Boom Composition

Basic 18m Boom



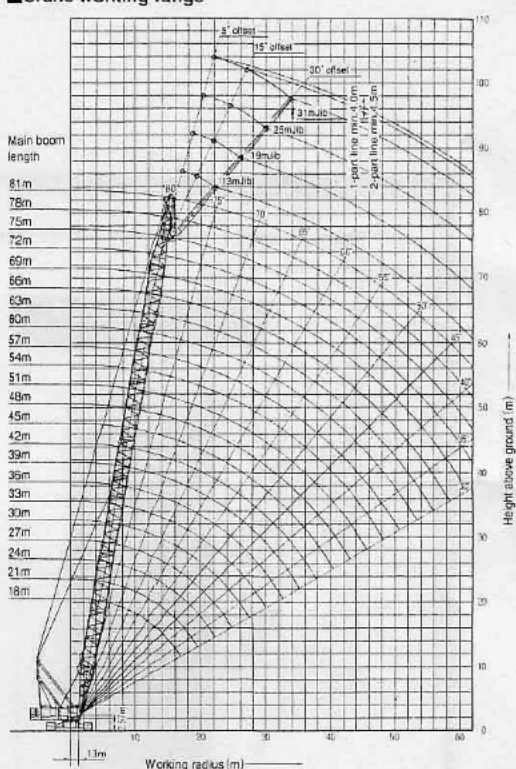
Basic 13m Jib



Max. 81m

Note : 9 m insert boom with an asterisk (*) use with joint type pendant cable 1.5 m + 7.5 m.
When installed with mast, use only 7.5 m pendant cable (remove 1.5 m).
Required mast and middle suspension for boom length 66 m and longer.
Above composition is in case of ordered 81 m boom and 31 m jib boom.

Crane working range



Combination of Boom and Jib (● : Available combination)

Jib boom length (m)	18-42	45	48	51	54	57	60	63	66	69	72	75	78	81
1	●													
13		●	●	●	●	●	●	●	●	●	●	●	●	
19		●	●	●	●	●	●	●	●	●	●	●	●	
25		●	●	●	●	●	●	●	●	●	●	●	●	
31		●	●	●	●	●	●	●	●	●	●	●	●	

Wire rope

Place of use	Rope diameter (mm)	Guaranteed strength (ton)	Rope type
Load hoist	26	59.6	19 + 39 × 7 Tough-nuflex
Boom hoist	20	34.1	T7 × 7 + 6 × WS (31) IWRC regular Z lay
Boom suspension	34	104.0	T7 × 7 + 6 × WS (36) IWRC regular Z lay
Jib hoist	26	59.6	19 + 39 × 7 Tough-nuflex
Jib suspension	28	59.7	6 × Fi (29) IWRC regular Z lay
Jib strut suspension	31.5	74.9	6 × Fi (29) IWRC regular Z lay
Middle suspension	26	59.6	19 + 39 × 7 Tough-nuflex

■ Rated lifting loads (for standard counterweight)

(Unit : metric ton)

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	63.0	66.0	69.0	72.0	75.0	78.0	81.0
5.0	150.0																					
6.0	140.0	138.8																				
7.0	123.8	123.6	123.4	123.2																		
8.0	99.4	99.2	99.1	99.0	98.9	98.8																
9.0	82.8	82.6	82.5	82.4	82.3	82.2	82.1	81.9														
10.0	70.8	70.6	70.5	70.4	70.3	70.2	70.1	69.9	69.8	69.6												
12.0	54.9	54.7	54.6	54.5	54.4	54.3	54.2	54.0	53.9	53.7	53.6	53.5	53.4	53.3								
14.0	44.8	44.6	44.5	44.4	44.3	44.2	44.1	43.9	43.8	43.6	43.5	43.4	43.3	43.2	43.0	42.8	41.8	41.7				
16.0	37.8	37.6	37.5	37.4	37.3	37.2	37.1	36.9	36.8	36.6	36.5	36.4	36.3	36.2	36.0	35.8	35.6	35.2	34.9	34.7	28.5	21.0
18.0	34.5	32.3	32.2	32.1	32.0	31.9	31.8	31.7	31.6	31.4	31.3	31.2	31.1	31.0	30.8	30.6	30.4	30.1	29.8	29.6	26.5	20.1
20.0		28.2	28.1	27.9	27.7	27.5	27.3	27.1	27.0	26.9	26.8	26.7	26.6	26.5	26.4	26.3	26.2	26.1	26.0	25.9	24.6	19.3
22.0			25.0	24.8	24.6	24.4	24.1	23.9	23.8	23.7	23.6	23.5	23.4	23.3	23.2	23.1	23.0	22.9	22.8	22.6	21.7	18.4
24.0				22.2	22.0	21.8	21.5	21.2	21.1	21.0	20.9	20.8	20.6	20.5	20.4	20.2	20.1	20.0	19.8	19.7	19.6	17.6
26.0					19.6	19.4	19.1	19.0	18.8	18.7	18.6	18.5	18.4	18.3	18.1	18.0	17.9	17.7	17.6	17.5	16.7	
28.0						17.8	17.5	17.3	17.2	17.0	16.9	16.8	16.7	16.6	16.5	16.3	16.2	16.1	15.9	15.8	15.7	15.5
30.0							16.4	16.0	15.8	15.7	15.5	15.3	15.1	15.0	14.9	14.8	14.7	14.6	14.5	14.3	14.2	14.0
32.0								14.7	14.5	14.3	14.1	13.9	13.7	13.5	13.4	13.3	13.2	13.0	12.9	12.8	12.7	12.5
34.0									13.4	13.2	13.0	12.8	12.6	12.4	12.3	12.2	12.1	12.0	11.9	11.8	11.7	11.5
36.0										12.0	12.0	11.8	11.6	11.4	11.3	11.2	11.1	11.0	10.9	10.8	10.7	10.5
38.0											11.4	11.1	10.9	10.8	10.6	10.5	10.4	10.3	10.2	10.0	9.8	9.7
40.0												10.4	10.1	9.9	9.7	9.6	9.5	9.4	9.3	9.1	8.8	8.7
42.0													9.3	9.1	8.9	8.8	8.7	8.5	8.3	8.2	7.9	7.8
44.0														8.4	8.3	8.2	8.1	7.8	7.7	7.6	7.3	7.1
46.0															7.6	7.5	7.5	7.0	6.9	6.6	6.4	6.2
48.0																7.1	6.9	6.8	6.4	6.3	6.0	5.8
50.0																	6.4	6.3	6.0	5.9	5.7	5.4
52.0																		5.8	5.4	5.4	5.2	4.9
54.0																			5.2	5.0	5.0	4.7
56.0																				4.5	4.5	4.3
58.0																					4.1	3.9
60.0																						3.6
62.0																						3.2

■ Rated lifting loads (for additional counterweight)

(Unit : metric ton)

Working radius (m)	Boom length (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	63.0	66.0	69.0	72.0	75.0	78.0	81.0
5.0	150.0																					
6.0	140.0	140.0																				
7.0	126.5	126.2	125.0	124.6																		
8.0	109.5	109.2	108.9	108.6	100.0	5.95 × 36.0																
9.0	95.5	95.2	94.9	94.6	94.3	94.0	90.0	90.0														
10.0	84.0	83.7	83.4	83.1	82.9	82.6	82.3	82.0	11.35 × 26.0													
12.0	67.6	67.3	67.0	66.7	66.4	66.1	65.8	65.6	65.3	65.0	12.95 × 26.0											
14.0	56.5	56.2	55.9	55.6	55.3	55.0	54.7	54.5	54.2	53.9	53.6	50.0	50.0	15.7 × 35.0	45.0	45.0	42.0	41.7				
16.0	48.2	47.9	47.6	47.3	47.0	46.7	46.4	46.2	45.9	45.6	45.3	45.0	44.7	44.0	42.0	41.5	38.2	37.8	34.9	34.7	28.5	21.0
18.0	17.5 × 45.5	41.2	40.9	40.6	40.3	40.0	39.7	39.5	39.2	38.9	38.6	38.3	38.0	37.7	36.2	35.6	34.9	34.5	29.8	29.8	26.5	20.1
20.0		35.7	35.4	35.1	34.8	34.5	34.3	34.0	33.7	33.4	33.1	32.8	32.5	32.2	32.0	31.2	30.9	26.2	25.9	24.6	19.3	
22.0			31.7	31.4	31.1	30.8	30.5	30.3	30.0	29.7	29.4	29.1	28.8	28.5	28.2	28.2	27.2	25.0	22.6	21.7	18.7	
24.0				27.5	27.2	26.9	26.7	26.3	26.0	25.7	25.4	25.1	24.8	24.5	24.2	24.2	23.2	21.0	20.9	20.2	18.7	
26.0					25.3	25.0	24.7	24.5	24.3	24.1	23.8	23.5	23.2	22.9	22.6	22.4	22.4	21.0	20.9	20.2	18.7	
28.0						22.5	22.2	22.0	21.8	21.6	21.4	21.1	20.8	20.5	20.3	20.2	20.2	20.1	19.9	19.8	19.1	16.8
30.0							20.4	20.1	19.9	19.7	19.5	19.3	19.0	18.7	18.5	18.4	18.3	18.3	18.0	17.9	17.7	16.0
32.0								18.2	18.0	17.8	17.6	17.4	17.2	17.0	16.9	16.8	16.7	16.7	16.6	16.4	16.2	15.1
34.0									16.6	16.4	16.2	16.1	15.9	15.7	15.5	15.4	15.3	15.3	15.2	14.9	14.8	14.6
36.0										15.2	15.0	14.8	14.6	14.4	14.2	14.1	14.1	14.0	14.0	13.7	13.6	13.4
38.0											13.8	13.6	13.4	13.2	13.1	13.1	13.0	12.9	12.9	12.6	12.5	12.2
40.0												12.6	12.5	12.3	12.2	12.1	12.1	12.0	12.0	11.9	11.6	11.4
42.0													11.7	11.5	11.4	11.3	11.1	11.0	10.9	10.6	10.4	10.2
44.0														10.7	10.6	10.5	10.5	10.3	10.2	10.1	9.7	9.4
46.0															9.8	9.7	9.7	9.6	9.5	9.4	9.1	8.9
48.0																9.1	9.0	8.9	8.8	8.6	8.3	8.2
50.0																	8.5	8.4	8.3	8.2	8.0	7.7
52.0																		7.9	7.7	7.5	7.3	7.2
54.0																			7.1	7.0	6.9	6.6
56.0																				6.6	6.5	6.4
58.0																					6.1	5.9
60.0																					5.5	5.2
62.0																						5.1
64.0																						4.3

Note:

- All rated loads are based on firm level ground, within 78% of tipping load at any point 360° around the machine and with front stability of 1.15 or more.
- The weight of the hook and other lifting devices must be considered to be a part of the load. Hook capacity and weight are shown below. Loads which can be lifted are limited according to number of wire part lines as shown below.

No. of part lines	1	2	3	4	5	6	7	8	10	12	14	16	HOOK BLD	HOOK WT
Load unit (ton)	11	22	33	44	55	66	77	87	105	125	140	150	150	5.65
	11	22	33	44	55	66	77	87	105	125	140	150	150	5.65
	11	22	33	44	55	66	77	87	105	125	140	150	150	5.65
	11	22	33	44	55	66	77	87	105	125	140	150	150	5.65
	11	22	33	44	55	66	77	87	105	125	140	150	150	5.65
	11	22	33	44	55	66	77	87	105	125	140	150	150	5.65
	11	22	33	44	55	66	77	87	105	125	140	150	150	5.65
	11	22	33	44	55	66	77	87	105	125	140	150	150	5.65
	11	22	33	44	55	66	77	87	105	125	140	150	150	5.65
	11	22	33	44	55	66	77	87	105	125	140	150	150	5.65

- When the jib boom is fitted, actual loads that can be lifted with the hook block for main hoisting should be reduced the following weight from the rated loads shown (the weight to be deducted includes that of the auxiliary hoist hook block)

Type of jib	1 m	12 m	15 m	25 m	31 m
Weight to be deducted	100kg	290kg	370kg	470kg	580kg

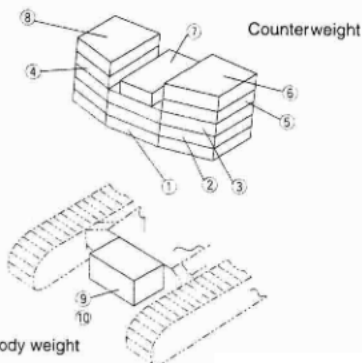
- The 1 m jib lifting loads should be decided as follows:
1)

Jib rated lifting loads (for standard counterweight)

(Unit: metric ton)

Boom length (m)		45												51											
Jib length (m)		13				19				25				31				13				19			
Offset angle		5°				15°				30°				5°				5°				15°			
Working radius (m)		5°	15°	30°	5°	15°	30°	5°	15°	30°	5°	15°	30°	5°	15°	30°	5°	15°	30°	5°	15°	30°	5°	15°	30°
12.0	12.0																								
14.0	15.0																								
16.0	15.0	13.0																							
18.0	15.0	13.0	12.0																						
20.0	15.0	13.0	12.0	10.0																					
22.0	15.0	13.0	12.0	10.0	8.0																				
24.0	15.0	13.0	12.0	10.0	8.0	7.0																			
26.0	15.0	13.0	12.0	10.0	8.0	7.0	6.0																		
28.0	15.0	13.0	12.0	10.0	8.0	7.0	6.0	4.0																	
30.0	15.0	13.0	12.0	10.0	8.0	7.0	6.0	4.0	3.5																
32.0	14.1	13.0	12.0	10.0	8.0	7.0	6.0	4.0	3.5	3.0															
34.0	13.0	13.0	12.0	10.0	8.0	7.0	6.0	4.0	3.5	3.0	2.8														
36.0	12.0	12.0	12.0	10.0	8.0	7.0	6.0	4.0	3.5	3.0	2.8	1.8													
38.0	11.1	11.1	11.1	10.0	8.0	7.0	6.0	4.0	3.5	3.0	2.8	1.8	1.1												
40.0	10.4	10.4	10.4	10.0	8.0	7.0	6.0	4.0	3.5	3.0	2.8	1.8	1.1	1.0											
42.0																									
44.0																									

		54												57												60												(Unit : metric ton)											
Boom length (m)	Jib length (m)	13				19				25				31				13				19				25				31				13				19				25				31			
Offset	angle	5°				15°				30°				5°				15°				30°				5°				15°				30°				5°				15°				30°			
Working radius (m)		5°	15°	30°	5°	15°	30°	5°	15°	30°	5°	15°	30°	5°	15°	30°	5°	15°	30°	5°	15°	30°	5°	15°	30°	5°	15°	30°	5°	15°	30°	5°	15°	30°	5°	15°	30°												
14.0	13.0																																																
16.0	15.0																																																
18.0	15.0	13.0												15.0	13.0	12.0																																	
20.0	16.0	13.0	12.0											15.0	13.0	12.0	10.0																																
22.0	15.0	13.0	12.0	10.0										15.0	13.0	12.0	10.0	8.0																															
24.0	15.0	13.0	12.0	10.0	8.0									15.0	13.0	12.0	10.0	8.0	6.0																														
26.0	15.0	13.0	12.0	10.0	8.0	7.0								15.0	13.0	12.0	10.0	8.0	6.0	5.0																													
28.0	15.0	13.0	12.0	10.0	8.0	7.0	6.0							15.0	13.0	12.0	10.0	8.0	6.0	5.0	4.0																												
30.0	15.0	13.0	12.0	10.0	8.0	7.0	6.0	4.0						16.0	13.0	12.0	10.0	8.0	6.0	5.0	4.0	3.0																											
32.0	13.5	13.0	12.0	10.0	8.0	7.0	6.0	4.0	3.5					14.0	13.0	12.0	10.0	8.0	6.0	5.0	4.0	3.0																											
34.0	12.4	12.4	12.0	10.0	8.0	7.0	6.0	4.0	3.5	3.0				12.3	12.3	12.0	10.0	8.0	6.0	5.0	4.0	3.0																											
36.0	11.4	11.4	11.4	10.0	8.0	7.0	6.0	4.0	3.5	3.0	11.3	11.3	11.3	10.0	8.0	7.0	6.0	4.0	3.5	3.0																													
38.0	10.6	10.6	10.6	10.0	8.0	7.0	6.0	4.0	3.5	3.0	10.5	10.5	10.5	10.0	8.0	7.0	6.0	4.0	3.5	3.0	11.2	11.2	11.2	11.2	10.0	8.0	7.0	6.0	4.0	3.5	3.0																		
40.0	9.7	9.7	9.7	9.7	8.0	7.0	6.0	4.0	3.5	3.0	9.6	9.6	9.6	9.6	8.0	7.0	6.0	4.0	3.5	3.0	10.4	10.4	10.4	10.4	10.0	8.0	7.0	6.0	4.0	3.5	3.0																		
42.0	8.9	8.9	8.9	8.9	8.0	7.0	6.0	4.0	3.5	3.0	8.8	8.8	8.8	8.8	8.0	7.0	6.0	4.0	3.5	3.0	9.5	9.5	9.5	9.5	9.5	8.0	7.0	6.0	4.0	3.5	3.0																		
44.0	8.3	8.3	8.3	8.3	8.0	7.0	6.0	4.0	3.5	3.0	8.2	8.2	8.2	8.2	8.0	7.0	6.0	4.0	3.5	3.0	8.7	8.7	8.7	8.7	8.7	8.0	7.0	6.0	4.0	3.5	3.0																		
46.0	7.6	7.6	7.6	7.6	7.6	7.0	6.0	4.0	3.5	3.0	7.5	7.5	7.5	7.5	7.5	7.0	6.0	4.0	3.5	3.0	7.5	7.5	7.5	7.5	7.5	7.5	7.0	6.0	4.0	3.5	3.0																		
48.0		7.1	7.1	7.1	7.1	7.1	7.0	6.0	4.0	3.5	6.9	6.9	6.9	6.9	6.9	6.9	6.0	4.0	3.5	3.0	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.0	4.0	3.5	3.0																		
50.0																																																	
52.0																																																	
54.0																																																	



Weight No.	Standard Counterweight (ton)	Additional Counterweight (ton)
1	16.0	16.0
2	15.0	15.0
3	15.0	15.0
4	5.0	5.0
5	5.0	5.0
6		4.9
7		3.2
8		4.9
9 (Front)		8.0
10 (Rear)		8.0
Total	56.0	85.0

Jib rated lifting loads (for standard counterweight)

(Unit : metric ton)

Boom length (m)		63												66											
Jib length (m)		13			19			25			31			13			19			25			31		
Offset angle	Working radius (m)	5°	15°	30°	5°	15°	30°	5°	15°	30°	5°	15°	30°	5°	15°	30°	5°	15°	30°	5°	15°	30°	5°	15°	30°
		17.8m 15.0												17.8m 15.0						19.3m 12.0					
	16.0																								
	18.0	15.0												15.0											
	20.0	15.0	13.0											15.0	13.0		12.0								
	22.0	15.0	13.0	12.0	12.0	10.0		8.0			12.0m 4.0			15.0	13.0	12.0	12.0	10.0		8.0			22.0m 4.0		
	24.0	15.0	13.0	12.0	12.0	10.0		8.0			4.0			15.0	13.0	12.0	12.0	10.0		8.0			4.0		
	26.0	15.0	13.0	12.0	12.0	10.0		8.0	8.0	7.0	4.0			15.0	13.0	12.0	12.0	10.0		8.0	8.0	7.0	4.0		
	28.0	15.0	13.0	12.0	12.0	10.0	8.0	8.0	7.0	7.0	4.0			15.0	13.0	12.0	12.0	10.0	8.0	8.0	7.0	7.0	4.0		
	30.0	14.7	13.0	12.0	12.0	10.0	8.0	8.0	7.0	7.0	4.0	3.5		14.6	13.0	12.0	12.0	10.0	8.0	8.0	7.0	7.0	4.0	3.5	
	32.0	13.2	13.0	12.0	12.0	10.0	8.0	8.0	7.0	6.0	4.0	3.5		13.0	13.0	12.0	12.0	10.0	8.0	8.0	7.0	6.0	4.0	3.5	
	34.0	12.1	12.1	12.0	12.0	10.0	8.0	8.0	7.0	6.0	4.0	3.5		12.0	12.0	12.0	12.0	10.0	8.0	8.0	7.0	6.0	4.0	3.5	
	36.0	11.1	11.1	11.1	11.1	10.0	8.0	8.0	7.0	6.0	4.0	3.5	3.0	11.0	11.0	11.0	11.0	10.0	8.0	8.0	7.0	6.0	4.0	3.5	3.0
	38.0	10.3	10.3	10.3	10.3	10.0	8.0	8.0	7.0	6.0	4.0	3.5	3.0	10.2	10.2	10.2	10.2	10.0	8.0	8.0	7.0	6.0	4.0	3.5	3.0
	40.0	9.4	9.4	9.4	9.4	9.4	8.0	8.0	7.0	6.0	4.0	3.5	3.0	9.3	9.3	9.3	9.3	9.3	8.0	8.0	7.0	6.0	4.0	3.5	3.0
	42.0	8.5	8.5	8.5	8.5	8.5	8.0	8.0	7.0	6.0	4.0	3.5	3.0	8.3	8.3	8.3	8.3	8.3	8.0	8.0	7.0	6.0	4.0	3.5	3.0
	44.0	7.8	7.8	7.8	7.8	7.8	7.8	7.0	6.0	4.0	3.5	3.0		7.7	7.7	7.7	7.7	7.7	7.7	7.0	6.0	4.0	3.5	3.0	
	46.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.0	4.0	3.5	3.0		7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.0	4.0	3.5	3.0	
	48.0	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.0	4.0	3.5	3.0		6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.0	4.0	3.5	3.0	
	50.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	4.0	3.5	3.0		5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	4.0	3.5	3.0
	52.0	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	4.0	3.5	3.0		5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	4.0	3.5	3.0
	54.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.0	3.5	3.0		5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.0	3.5	3.0
	56.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.0	3.5	3.0		4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.0	3.5	3.0
	58.0													4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0	3.5	3.0

(Unit : metric ton)

Boom length (m)		69												72											
Jib length (m)		13			19			25			31			13			19			25			31		
Offset angle	Working radius (m)	5°	15°	30°	5°	15°	30°	5°	15°	30°	5°	15°	30°	5°	15°	30°	5°	15°	30°	5°	15°	30°	5°	15°	30°
		17.8m 15.0												17.8m 15.0											
	16.0																								
	18.0	15.0												15.0											
	20.0	15.0	13.0											15.0											
	22.0	15.0	13.0	12.0	12.0	10.0		8.0			12.0m 4.0			15.0	13.0		12.0						22.0m 4.0		
	24.0	15.0	13.0	12.0	12.0	10.0		8.0			4.0			15.0	13.0	12.0	12.0	10.0		8.0			4.0		
	26.0	15.0	13.0	12.0	12.0	10.0		8.0	8.0	7.0	4.0			15.0	13.0	12.0	12.0	10.0		8.0	8.0	7.0	4.0		
	28.0	15.0	13.0	12.0	12.0	10.0	8.0	8.0	7.0	7.0	4.0			15.0	13.0	12.0	12.0	10.0	8.0	8.0	7.0	7.0	4.0		
	30.0	14.5	13.0	12.0	12.0	10.0	8.0	8.0	7.0	7.0	4.0	3.5		14.3	13.0	12.0	12.0	10.0	8.0	8.0	7.0	7.0	4.0	3.5	
	32.0	12.9	12.9	12.0	12.0	10.0	8.0	8.0	7.0	6.0	4.0	3.5		12.8	12.8	12.0	12.0	10.0	8.0	8.0	7.0	6.0	4.0	3.5	
	34.0	11.9	11.9	11.9	11.9	10.0	8.0	8.0	7.0	6.0	4.0	3.5		11.6	11.6	11.6	11.6	10.0	8.0	8.0	7.0	6.0	4.0	3.5	
	36.0	10.9	10.9	10.9	10.9	10.0	8.0	8.0	7.0	6.0	4.0	3.5	3.0	10.6	10.6	10.6	10.6	10.0	8.0	8.0	7.0	6.0	4.0	3.5	
	38.0	10.0	10.0	10.0	10.0	10.0	8.0	8.0	7.0	6.0	4.0	3.5	3.0	9.6	9.6	9.6	9.6	9.6	8.0	8.0	7.0	6.0	4.0	3.5	3.0
	40.0	9.1	9.1	9.1	9.1	9.1	8.0	8.0	7.0	6.0	4.0	3.5	3.0	8.6	8.6	8.6	8.6	8.6	8.0	8.0	7.0	6.0	4.0	3.5	3.0
	42.0	8.2	8.2	8.2	8.2	8.2	8.0	8.0	7.0	6.0	4.0	3.5	3.0	7.9	7.9	7.9	7.9	7.9	7.9	7.0	6.0	4.0	3.5	3.0	
	44.0	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.0	6.0	4.0	3.5	3.0	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.0	6.0	4.0	3.5	3.0
	46.0	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.0	4.0	3.5	3.0	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.0	4.0	3.5	3.0
	48.0	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.0	4.0	3.5	3.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	4.0	3.5	3.0
	50.0	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	4.0	3.5	3.0	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	4.0	3.5	3.0
	52.0	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	4.0	3.5	3.0	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.0	3.5	3.0
	54.0	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.0	3.5	3.0	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.0	3.5	3.0
	56.0	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.0	3.5	3.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.5	3.0
	58.0	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.5	3.0	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.0
	60.0	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.0	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.0
	62.0	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8