

SCX1800A-3
Stage III A / Tier 3
Stage V

SCX 1800A-3

HYDRAULIC CRAWLER CRANE

Hoist Rope 26mm



Specifications



Engine

Model	Cummins QSB6.7 (Stage IIIA / Tier 3) / Cummins B6.7 (Stage V)	
Type	4-cycle, Water-cooled, Direct injection, Turbo-charged, Diesel engine	
Displacement	6.7 liters	
Rated Output	Stage IIIA / Tier 3	201 kW / 2,000 min ⁻¹ (273 ps / 2,000 rpm)
	Stage V	209 kW / 2,000 min ⁻¹ (284 ps / 2,000 rpm)
Fuel Tank Capacity	457 liters	
Notes	Engine meets Stage V of engine exhaust gas emission regulations. Also, available is a Tier 3 / Stage III A-compliant engine. Engine rated horsepower is based on international rating formula that includes engine alternator and without fan.	



Control

Control System	Main actuators are actuated by main hydraulic system controlled with pilot hydraulic system. Safety devices are securely operated by combined various electronic control with hydraulic system. Working speed can be precisely controlled according to control lever stroke and control dials depending on work.
Control Levers	Designed and positioned based on ergonomics. Armchair lever type is standard. Cross operation lever type and front lever type are available as option.
Display Panel Design	8 inches size. Located to check work state easily without disturbing the view of the operator.



Hydraulic System

Hydraulic Oil Tank Capacity	320 liters		
Hydraulic Pump Capacity	Max.	31.4 MPa	
	P1	266 liters / min	for Front, Rear, boom hoist winch and travel
	P2	266 liters / min	for Front, Rear and travel
	P3	160 liters / min	for Swing, Jack and Sideframe connect
	P4	41 liters / min	Pilot control, Brake cooling, Reeving, etc.
	P5	41 liters / min	
	P6	41 liters / min	
P7	32 liters / min		



Winch

Front and Rear Winch			
Winch	Front	Rear	
Rope Diameter	26 mm	26 mm	
Rope Length	Standard	320 m	225 m for Aux. sheave
	Winding Capacity	-	225 m for Crane jib
Line Pull	Rated	360 m	360 m
		117 kN	117 kN
Standard Equipment	High-speed winching is possible by ECO winch mode with low engine speed under light loads.		
Optional Equipment	Free fall winch with brake controlled by pedal operation.		
Boom Hoist Winch			
Rope Diameter	22.4 mm		
Rope Length	Incorporated	250 m	
Hydraulic motor with multi-disc brakes.			



Swing System

Consisted of 2 hydraulic motors with reduction gear and multi-disc brakes and a swing bearing which has inner tooth. Optional swing brake pedal enables operator to control swing precisely.
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Mast

Mast is box structure. Easy assemble for front attachment.
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Counter Weight

Counter Weight	Total Weight	67 t
	Base Weight	12 t × 1 piece
	Counter Weight	6.88 t × 8 pieces
Lower Weight	Total Weight	16 t
	Lower Weight	8 t × 2 pieces



Carbody Frame

Welded steel construction with jack up device and crawler sideframe connect cylinders.
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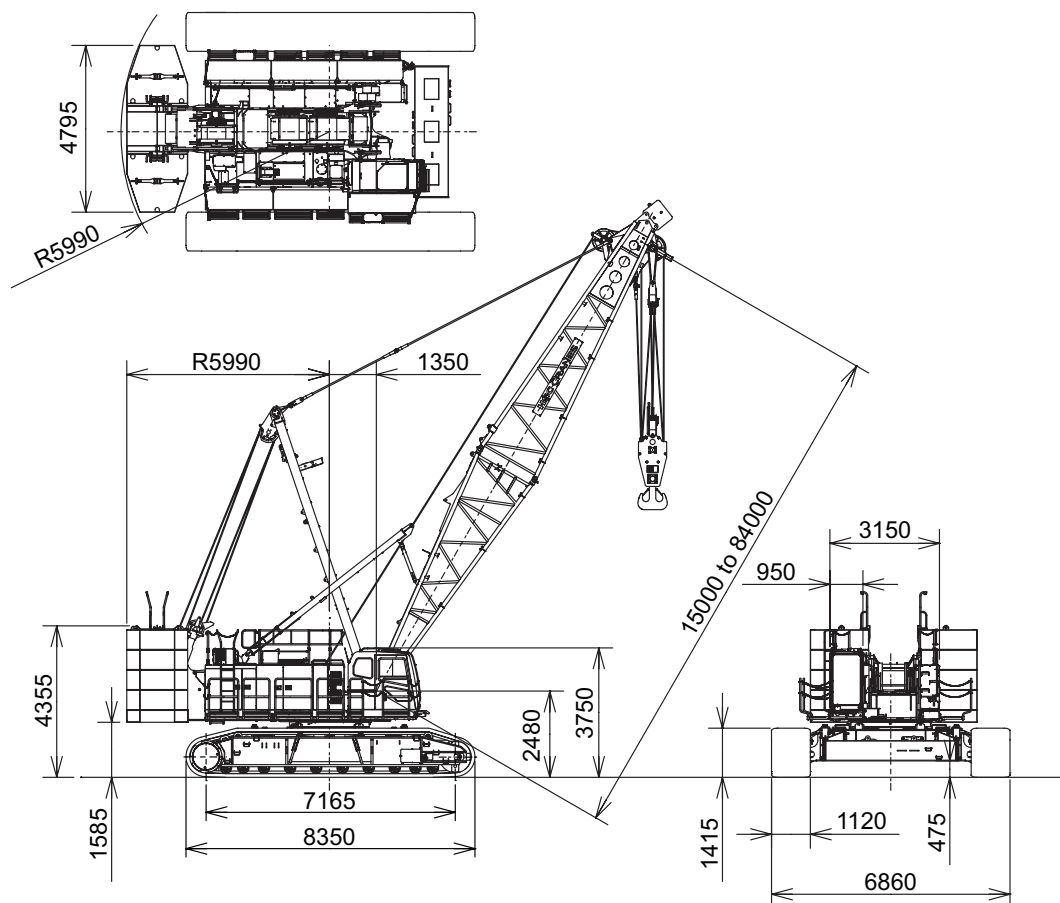


Crawler Sideframe

Frame	Welded steel box construction. Hook on and joint pin design for crawler sideframe connection to carbody frame.	
Shoe	Cast iron 1120 mm width flat shoe each side.	
Upper Roller	7 pieces each side.	
	Double flange type : 5 pieces Single flange type : 2 pieces	
Lower Roller	10 pieces each side.	
	Forging heat treated steel with double flange type. 2 plane bearing with floating seal for lifetime lubrication.	
Travel Device	1 piece each side.	
	Hydraulic travel device (Hydraulic motor and reducer)	
	Travel speed (Gradability : 30%)	High : 1.1 km/h Low : 0.6 km/h

Crane Specifications

Dimensions and Specifications



Crane Specifications

Max. Lifting Load × Working Radius (Standard Boom)	t × m	160 × 4.5
Max. Lifting Load × Working Radius (HD Boom)	t × m	175 / 180* × 4.1
HD Boom Length	m	12
Standard Boom Length	m	15
Max. Boom Length	m	84
Crane Jib Length	m	13 to 31
Max. Boom + Jib Length	m	75 + 31
Ground Contact Pressure (Standard Boom)	kPa (kgf/cm ²)	102 (1.04) (w / Standard Boom, 160 t Hook)
Ground Contact Pressure (HD Boom)	kPa (kgf/cm ²)	103 (1.05) (w / HD Boom, 175 t Hook)
Overall Operating Weight (Standard Boom)	t	Approximately 167 (w / Standard Boom, 160 t Hook)
Overall Operating Weight (HD Boom)	t	Approximately 169 (w / HD Boom, 175 t Hook)

Hook Weight

175 t	3,340 kg
160 t	2,590 kg
120 t	2,350 kg
80 t	1,350 kg
35 t	1,070 kg
12 t	510 kg

NOTE : Data is expressed in SI units followed by conventional units in ().

* 180 t lifting capacity is limited edition, and requires special equipment.

Gross Rated Load Table

HD Boom



Unit: ton

Working Radius (m)	Boom Length (m)	
	12	
4.1	175.0/180.0*	
4.5	162.0	
5	146.0	
6	122.9	
7	105.6	
8	92.4	
9	76.1	
10	62.5	
12	39.8	

* 180 t lifting capacity is limited edition, and requires special equipment.

Main Boom

Unit: ton

Working Radius (m)	Boom Length (m)												Working Radius (m)	
	15	18	21	24	27	30	33	36	39	42	45	48		
4.5	160.0		5.5m x 132.0t											4.5
5	147.7	132.0		6.1m x 120.0t	6.6m x 108.0t									5
6	123.9	123.7	124.6			7.1m x 96.0t	7.6m x 84.0t							6
7	106.6	106.4	107.3	107.1	106.9			8.2m x 84.0t	8.7m x 72.0t					7
8	93.3	93.1	94.1	93.9	93.7	93.6	93.6			9.2m x 72.0t	9.7m x 60.0t			8
9	82.9	82.7	83.6	83.5	83.3	83.2	83.1	80.3	72.0			10.2m x 60.0t		9
10	74.5	74.3	75.2	75.1	74.8	74.8	74.6	74.4	72.0	71.9	60.0			10
12	56.6	61.5	62.5	62.3	62.1	62.0	61.9	61.6	59.8	59.7	59.4	56.1		12
14	40.0	51.1	52.2	52.1	52.0	52.0	51.9	51.7	50.9	50.7	50.5	48.0		14
16	14.5m x 36.2t	38.7	43.6	43.5	43.4	43.4	43.3	43.1	43.0	42.9	42.7	41.8		16
18		17.1m x 32.3t	37.3	37.2	37.1	37.0	36.9	36.7	36.7	36.5	36.4	36.2		18
20			19.7m x 29.9t	32.4	32.2	32.2	32.1	31.8	31.8	31.6	31.5	31.3		20
22				28.0	28.4	28.3	28.2	28.0	27.9	27.7	27.6	27.4		22
24				22.3m x 26.9t	25.3	25.2	25.1	24.9	24.8	24.6	24.5	24.3		24
26					24.9m x 24.1t	22.6	22.5	22.3	22.2	22.0	21.9	21.7		26
28						27.5m x 21.0t	20.4	20.1	20.0	19.9	19.7	19.5		28
30							18.5	18.3	18.2	18.0	17.8	17.7		30
32								30.1m x 18.4t	16.7	16.6	16.4	16.2	16.1	32
34									32.7m x 16.2t	15.2	15.0	14.9	14.7	34
36										35.3m x 14.4t	13.8	13.6	13.5	36
38											37.9m x 12.8t	12.6	12.4	38
40												11.6	11.4	40
42												40.5m x 11.4t	10.6	42
44													43.1m x 10.1t	44
46														46

- The rated loads are determined according to EN13000 rating on the condition that the machine is stationed on firm level ground.
- The figures surrounded by bold lines are based on factors other than those which would cause a tipping condition.
- Be sure to attach the hanger sheaves block and balance weight to the top boom when boom length is 15m and 18m.
- Be sure to remove the balance weight from the top boom when boom length is 21m or more.
- Be sure to remove the hanger sheaves block from the top boom when boom length is 24m or more.
- To calculate the maximum load that can actually be lifted, deduct mass of all lifting accessories, such as hook, from figures shown above.
- Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
- The counter weight is 83 ton. (Superstructure 67 ton + lower weight 16 ton)
- Figures described as OOm x OOt in the tables indicate "working radius" m x "rated load" ton.
- Correlation between the number of reeved lines, maximum rated loads, hook mass are shown in the table below.

Hook Capacity (t)	Hook Weight (t)	Maximum Rated Loads (t)												
		14 falls	13 falls	11 falls	10 falls	9 falls	8 falls	7 falls	6 falls	5 falls	4 falls	3 falls	2 falls	1 fall
175	3.34	175	160	132	120	108	96	84	72	60	48	36	24	-
160	2.59	-	160	132	120	108	96	84	72	60	48	36	24	-
120	2.35	-	-	-	120	108	96	84	72	60	48	36	24	-
80	1.35	-	-	-	-	-	-	80	72	60	48	36	24	-
35	1.07	-	-	-	-	-	-	-	-	-	-	35	24	-
12	0.51	-	-	-	-	-	-	-	-	-	-	-	-	12

- To calculate the rated load when the operation is being performed with a skywalk attached to the boom, deduct the value in chart below from the rated load shown above.

Boom Length (m)	15	18	21	24	27	30	33	36	39	42	45	48
Equivalent Mass (t)	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3

Boom Length (m)	51	54	57	60	63	66	69	72	75	78	81	84
Equivalent Mass (t)	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5

■ Main Boom



Unit: ton

Working Radius (m)	Boom Length (m)												Working Radius (m)	
	51	54	57	60	63	66	69	72	75	78	81	84		
9	10.8m x	11.3m x	11.8m x											9
10	48.0t	48.0t	48.0t	12.3m x	12.8m x	13.4m x	13.9m x							10
12	48.0	48.0	48.0	48.0t	36.0t	36.0t	35.7t	14.4m x	14.9m x	15.5m x				12
14	47.7	47.5	45.2	45.0	36.0	36.0	35.6	32.1t	28.9t	24.0t			16.6m x	14
16	41.5	41.3	39.5	39.2	36.0	36.0	33.7	30.7	28.0	24.0	22.3		17.5t	16
18	36.1	35.9	35.8	34.6	34.3	34.1	31.8	28.9	26.4	24.0	21.0		16.8	18
20	31.2	31.0	30.9	30.7	30.5	30.3	29.2	27.2	24.8	24.0	19.7		15.7	20
22	27.4	27.1	27.0	26.8	26.7	26.5	26.2	25.5	23.2	24.0	18.4		14.6	22
24	24.2	24.0	23.8	23.6	23.5	23.4	23.2	22.9	21.7	22.8	17.2		13.6	24
26	21.6	21.4	21.2	21.0	20.9	20.7	20.6	20.3	20.1	20.1	16.0		12.7	26
28	19.4	19.2	19.0	18.8	18.7	18.6	18.4	18.1	17.9	17.9	14.9		11.8	28
30	17.6	17.3	17.2	17.0	16.9	16.7	16.5	16.3	16.1	16.0	13.8		10.9	30
32	16.0	15.7	15.6	15.4	15.2	15.1	14.9	14.6	14.4	14.4	12.7		10.1	32
34	14.6	14.3	14.2	14.0	13.8	13.7	13.5	13.2	13.0	13.0	11.6		9.2	34
36	13.4	13.1	12.9	12.7	12.6	12.4	12.2	12.0	11.8	11.7	10.7		8.4	36
38	12.3	12.0	11.8	11.6	11.5	11.3	11.1	10.9	10.7	10.6	9.8		7.7	38
40	11.3	11.1	10.9	10.7	10.5	10.4	10.2	9.9	9.7	9.6	8.9		6.9	40
42	10.4	10.2	10.0	9.8	9.7	9.5	9.3	9.0	8.8	8.8	8.1		6.3	42
44	9.7	9.4	9.2	9.0	8.9	8.7	8.5	8.2	8.1	8.0	7.4		5.6	44
46	45.7m x	8.7	8.5	8.3	8.2	8.0	7.8	7.5	7.3	7.2	6.7		5.1	46
48	9.1t	8.1	7.9	7.7	7.5	7.3	7.1	6.9	6.7	6.6	6.0		4.5	48
50		48.3m x	7.3	7.1	6.9	6.7	6.5	6.3	6.1	6.0	5.5		4.0	50
52		8.0t	50.9m x	6.5	6.4	6.2	6.0	5.7	5.5	5.4	4.9		3.6	52
54			7.0t	53.5m x	5.9	5.7	5.5	5.2	5.0	4.9	4.4		3.1	54
56				6.2t	5.4	5.2	5.0	4.8	4.6	4.4	3.9		2.7	56
58					56.1m x	4.8	4.6	4.3	4.1	4.0	3.5		2.4	58
60					5.4t	58.7m x	4.2	4.0	3.8	3.6	3.0		2.0	60
62						4.7t	61.3m x	3.6	3.4	3.2	2.6		1.7	62
64							4.0t	63.9m x	3.0	2.9	2.3		62.1m x	64
66								3.3t	2.7	2.6	1.9		1.7t	66
68									66.5m x	2.2	67.5m x			68
70									2.6t	68.8m x	1.7t			70
72										2.1t				72

* For notes about the table above, refer to page 14.

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■ Aux. Sheave (1 Sheave)



Unit : ton

Working Radius (m)	Boom Length (m)										Working Radius (m)	
	21	24	27	30	33	36	39	42	45	48		
6.7	12.0	7.2m x	7.7m x									6.7
7	12.0	12.0t	12.0t	8.2m x	8.8m x							7
8	12.0	12.0	12.0	12.0t	12.0t	9.3m x	9.8m x					8
9	12.0	12.0	12.0	12.0	12.0	12.0t	12.0t	10.3m x	10.8m x	11.4m x		9
10	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0t	12.0t	12.0t		10
12	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0		12
14	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0		14
16	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0		16
18	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0		18
20	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0		20
22	21.3m x	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0		22
24	12.0t	23.9m x	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0		24
26		12.0t	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0		26
28			26.5m x	12.0	12.0	12.0	12.0	12.0	12.0	12.0		28
30			12.0t	29.1m x	12.0	12.0	12.0	12.0	12.0	12.0		30
32				12.0t	31.7m x	12.0	12.0	12.0	12.0	12.0		32
34					12.0t	12.0	12.0	12.0	12.0	12.0		34
36						34.3m x	12.0	12.0	12.0	12.0		36
38						12.0t	36.9m x	12.0	12.0	12.0		38
40							12.0t	39.5m x	11.4	11.2		40
42								11.8t	10.5	10.3		42
44									42.1m x	9.6		44
46									10.5t	44.7m x		46
48										9.3t		48

- The rated loads are determined according to EN13000 rating on the condition that the machine is stationed on firm level ground.
- The figures surrounded by bold lines are based on factors other than those which would cause a tipping condition.
- Be sure to attach the hanger sheaves block and balance weight to the top boom when boom length is 15m and 18m.
- Be sure to remove the balance weight from the top boom when boom length is 21m or more.
- Be sure to remove the hanger sheaves block from the top boom when boom length is 24m or more.
- To calculate the maximum load that can actually be lifted, deduct mass of all lifting accessories, such as hook, from figures shown above.
- Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
- The counter weight is 83 ton. (Superstructure 67 ton + lower weight 16 ton)
- Figures described as OOm x OOt in the tables indicate "working radius" m x "rated load" ton.
- Hook mass are shown in the table below.

Hook Capacity (t)	Hook Weight (t)
160	2.59
120	2.35
80	1.35
35	1.07
12	0.51

- To calculate the rated load when the operation is being performed with a skywalk attached to the boom, deduct the value in chart below from the rated load shown above.

Boom Length (m)	15	18	21	24	27	30	33	36	39	42	45	48
Equivalent Mass (t)	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3

Boom Length (m)	51	54	57	60	63	66	69	72	75	78
Equivalent Mass (t)	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4

■ Aux. Sheave (1 Sheave)



Unit: ton

Working Radius (m)	Boom Length (m)										Working Radius (m)	
	51	54	57	60	63	66	69	72	75	78		
9	11.9m x 12.0t											9
10	12.0											10
12	12.0	12.4m x 12.0t	12.9m x 12.0t	13.4m x 12.0t		14.5m x 12.0t	15.0m x 12.0t	15.5m x 12.0t				12
14	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	16.1m x 12.0t	16.6m x 12.0t		14
16	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0		16
18	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0		18
20	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0		20
22	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0		22
24	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0		24
26	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0		26
28	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0		28
30	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0		30
32	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0		32
34	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0		34
36	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.7	11.5	11.3	36
38	12.0	11.8	11.6	11.4	11.3	11.1	10.9	10.6	10.4	10.4	10.4	38
40	11.1	10.8	10.6	10.4	10.3	10.1	9.9	9.6	9.4	9.4	9.4	40
42	10.2	9.9	9.7	9.5	9.4	9.2	9.0	8.7	8.5	8.5	8.5	42
44	9.4	9.2	9.0	8.7	8.6	8.4	8.2	7.9	7.7	7.7	7.7	44
46	8.7	8.4	8.2	8.0	7.9	7.7	7.5	7.2	7.0	7.0	7.0	46
48	47.3m x 8.3t	7.8	7.6	7.4	7.2	7.0	6.8	6.6	6.4	6.3	6.3	48
50		49.8m x 7.3t	7.0	6.8	6.6	6.4	6.2	6.0	5.8	5.7	5.7	50
52			6.5	6.3	6.1	5.9	5.7	5.4	5.2	5.1	5.1	52
54			52.4m x 6.4t	5.8	5.6	5.4	5.2	4.9	4.7	4.6	4.6	54
56				55.0m x 5.5t	5.1	4.9	4.7	4.4	4.2	4.1	4.1	56
58					57.6m x 4.8t	4.5	4.3	4.0	3.8	3.7	3.7	58
60						4.1	3.9	3.6	3.4	3.3	3.3	60
62							60.2m x 4.1t	3.5	3.3	3.0	2.9	62
64								62.8m x 3.4t	2.9	2.7	2.6	64
66									65.4m x 2.7t	2.4	2.3	66
68										2.1	1.9	68
70											68.6m x 1.9t	70
72											1.9t	72

* For notes about the table above, refer to page 16.

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■ Main Boom with Aux. Sheave



Unit: ton

Working Radius (m)	Boom Length (m)										Working Radius (m)	
	21	24	27	30	33	36	39	42	45	48		
5.5	120.0	6.1m x	6.6m x									5.5
6	120.0	120.0t	108.0t	7.1m x	7.6m x							6
7	106.5	106.3	106.1	96.0t	84.0t	8.2m x	8.7m x					7
8	93.3	93.1	92.9	92.8	84.0	84.0t	72.0t	9.2m x	9.7m x			8
9	82.9	82.7	82.5	82.4	82.3	79.8	72.0t	72.0t	60.0t	10.2m x		9
10	74.5	74.3	74.1	74.0	73.9	73.6	71.6	71.4	60.0t	60.0t		10
12	61.7	61.6	61.4	61.3	61.1	60.8	59.3	59.1	58.8	55.5		12
14	51.8	51.8	51.6	51.6	51.5	51.3	50.4	50.2	49.9	47.4		14
16	43.2	43.2	43.0	43.0	42.9	42.7	42.6	42.4	42.3	41.2		16
18	36.9	36.8	36.7	36.6	36.5	36.3	36.2	36.0	35.9	35.7		18
20	19.7m x	32.0	31.8	31.8	31.7	31.4	31.4	31.2	31.0	30.9		20
22	29.2t	27.3	28.0	27.9	27.8	27.6	27.5	27.3	27.2	27.0		22
24		22.3m x	24.9	24.8	24.7	24.5	24.4	24.2	24.0	23.9		24
26		26.2t	24.9m x	22.3	22.1	21.9	21.8	21.6	21.4	21.3		26
28			23.6t	27.5m x	20.0	19.7	19.6	19.4	19.3	19.1		28
30				20.6t	18.2	17.9	17.8	17.6	17.4	17.2		30
32					30.1m x	16.3	16.2	16.0	15.8	15.6		32
34					18.1t	32.7m x	14.8	14.6	14.4	14.3		34
36						15.8t	35.3m x	13.4	13.2	13.0		36
38							14.0t	37.9m x	12.2	12.0		38
40								12.4t	11.2	11.0		40
42									40.5m x	10.2		42
44									11.0t	43.1m x		44
46										9.7t		46

1. The rated loads are determined according to EN13000 rating on the condition that the machine is stationed on firm level ground.
2. The figures surrounded by bold lines are based on factors other than those which would cause a tipping condition.
3. Be sure to attach the hanger sheaves block and balance weight to the top boom when boom length is 15m and 18m.
4. Be sure to remove the balance weight from the top boom when boom length is 21m or more.
5. Be sure to remove the hanger sheaves block from the top boom when boom length is 24m or more.
6. To calculate the maximum load that can actually be lifted, deduct mass of all lifting accessories, such as hook, from figures shown above.
7. Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
8. The counter weight is 83 ton. (Superstructure 67 ton + lower weight 16 ton)
9. Figures described as OOm x OOt in the tables indicate "working radius" m x "rated load" ton.
10. Correlation between the number of reeved lines, maximum rated loads, hook mass are shown in the table below.

Hook Capacity (t)	Hook Weight (t)	Maximum Rated Loads (t)									
		10 falls	9 falls	8 falls	7 falls	6 falls	5 falls	4 falls	3 falls	2 falls	1 fall
120	2.35	120	108	96	84	72	60	48	36	24	-
80	1.35	-	-	-	80	72	60	48	36	24	-
35	1.07	-	-	-	-	-	-	-	35	24	-
12	0.51	-	-	-	-	-	-	-	-	-	12

11. To calculate the rated load when the operation is being performed with a skywalk attached to the boom, deduct the value in chart below from the rated load shown above.

Boom Length (m)	15	18	21	24	27	30	33	36	39	42	45	48
Equivalent Mass (t)	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3

Boom Length (m)	51	54	57	60	63	66	69	72	75	78
Equivalent Mass (t)	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4

■ Main Boom with Aux. Sheave



Unit : ton

Working Radius (m)	Boom Length (m)										Working Radius (m)	
	51	54	57	60	63	66	69	72	75	78		
9	10.8m x 48.0t	11.3m x 48.0t	11.8m x 48.0t									9
10				12.3m x 48.0t	12.8m x 36.0t	13.4m x 36.0t	13.9m x 34.6t					10
12	48.0	48.0	48.0	48.0t	36.0t	36.0t	34.6t	14.4m x 31.0t	14.9m x 27.8t	15.5m x 24.0t		12
14	47.2	46.9	44.6	44.4	36.0	36.0	34.6					14
16	40.9	40.7	38.9	38.6	36.0	35.8	32.7	29.7	27.0	23.7		16
18	35.7	35.4	35.3	34.0	33.7	33.4	30.8	27.9	25.4	22.2		18
20	30.8	30.5	30.4	30.2	29.9	29.7	28.5	26.2	23.8	20.8		20
22	26.9	26.7	26.5	26.3	26.2	26.0	25.6	24.5	22.2	19.4		22
24	23.8	23.5	23.3	23.1	23.0	22.8	22.6	22.4	20.7	18.1		24
26	21.2	20.9	20.7	20.5	20.4	20.2	20.0	19.8	19.3	16.9		26
28	19.0	18.7	18.6	18.3	18.2	18.0	17.8	17.6	17.4	15.6		28
30	17.1	16.9	16.7	16.5	16.4	16.2	16.0	15.7	15.5	14.4		30
32	15.5	15.3	15.1	14.9	14.8	14.6	14.4	14.1	13.9	13.2		32
34	14.1	13.9	13.7	13.5	13.4	13.2	13.0	12.7	12.5	12.1		34
36	12.9	12.7	12.5	12.3	12.1	11.9	11.7	11.5	11.3	11.1		36
38	11.8	11.6	11.4	11.2	11.0	10.8	10.6	10.4	10.2	10.1		38
40	10.9	10.6	10.4	10.2	10.1	9.9	9.7	9.4	9.2	9.1		40
42	10.0	9.8	9.6	9.3	9.2	9.0	8.8	8.5	8.3	8.2		42
44	9.3	9.0	8.8	8.6	8.4	8.2	8.0	7.7	7.5	7.4		44
46	45.7m x 8.7t	8.3	8.1	7.9	7.7	7.5	7.3	7.0	6.8	6.7		46
48		7.7	7.5	7.2	7.1	6.9	6.6	6.4	6.2	6.1		48
50		48.3m x 7.6t	6.9	6.7	6.5	6.3	6.1	5.8	5.6	5.5		50
52			50.9m x 6.6t	6.1	5.9	5.7	5.5	5.3	5.0	4.9		52
54				53.5m x 5.8t	5.4	5.2	5.0	4.8	4.5	4.4		54
56					5.0	4.8	4.6	4.3	4.1	3.9		56
58					56.1m x 5.0t	4.4	4.1	3.9	3.7	3.5		58
60						58.7m x 4.2t	3.8	3.5	3.3	3.1		60
62							61.3m x 3.5t	3.1	2.9	2.7		62
64								63.9m x 2.8t	2.6	2.3		64
66									2.3	2.0		66
68									66.5m x 2.2t	66.5m x 1.9t		68
70												70

* For notes about the table above, refer to page 20.

■ Crane Jib



Unit: ton

Boom Length (m)	24								Boom Length (m)
Jib Length (m)	13		19		25		31		Jib Length (m)
Offset Angle (°)	10	30	10	30	10	30	10	30	Offset Angle (°)
Working Radius (m)	10	30	10	30	10	30	10	30	Working Radius (m)
10.4	12.0		12.4m x						10.4
12	12.0		11.9t		14.5m x				12
14	12.0	10.2	11.8		8.4t		16.5m x		14
16	12.0	9.7	11.6	18.2m x	8.3		5.8t		16
18	12.0	9.2	11.3	7.6t	8.0		5.7		18
20	12.0	8.8	11.0	7.3	7.8		5.5		20
22	12.0	8.3	10.7	6.9	7.6	6.0	5.3	25.9m x	22
24	12.0	8.0	10.4	6.6	7.3	5.7	5.1	3.9t	24
26	12.0	7.7	10.2	6.3	7.1	5.4	4.9	4.0	26
28	12.0	7.4	10.0	6.0	6.9	5.2	4.7	3.8	28
30	12.0	7.2	9.8	5.8	6.7	4.9	4.5	3.7	30
32	11.6	7.0	9.6	5.6	6.5	4.7	4.4	3.6	32
34	11.0	6.8	9.0	5.4	6.3	4.5	4.2	3.5	34
36	35.1m x	35.8m x	8.6	5.2	6.2	4.4	4.1	3.4	36
38	10.7t	6.7t	8.1	5.1	6.0	4.2	3.9	3.3	38
40			7.7	5.0	5.9	4.1	3.8	3.2	40
42			40.7m x	41.8m x	5.8	4.0	3.7	3.1	42
44			7.6t	4.9t	5.6	3.9	3.5	3.1	44
46					5.5	3.8	3.5	3.0	46
48					46.3m x	47.8m x	3.4	3.0	48
50					5.4t	3.7t	3.3	2.9	50
52							3.1	2.9	52
54								53.8m x	54
56								2.9t	56

- The rated loads are determined according to EN13000 rating on the condition that the machine is stationed on firm level ground.
- The figures surrounded by bold lines are based on factors other than those which would cause a tipping condition.
- To calculate the maximum load that can actually be lifted, deduct mass of all lifting accessories, such as hook, from figures shown above.
- Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
- The counter weight is 83 ton. (Superstructure 67 ton + lower weight 16 ton)
- Figures described as OOm x OOt in the tables indicate "working radius" m x "rated load" ton.
- Hook mass are shown in the table below.

Hook Capacity (t)	Hook Weight (t)
160	2.59
120	2.35
80	1.35
35	1.07
12	0.51

- To calculate the rated load when the operation is being performed with a skywalk attached to the boom, deduct the value in chart below from the rated load shown above.

Boom Length (m)	24	27	30	33	36	39	42
Equivalent Mass (t)	0.1	0.2	0.2	0.2	0.2	0.3	0.3

Boom Length (m)	45	48	51	54	57	60	63
Equivalent Mass (t)	0.3	0.3	0.3	0.3	0.3	0.3	0.3

Boom Length (m)	66	69	72	75
Equivalent Mass (t)	0.4	0.4	0.4	0.4

■ Crane Jib



Unit: ton

Boom Length (m)	27								Boom Length (m)
Jib Length (m)	13		19		25		31		Jib Length (m)
Offset Angle (°)	10	30	10	30	10	30	10	30	Offset Angle (°)
Working Radius (m)									Working Radius (m)
10	10.9m x 12.0t		13.0m x 11.9t						10
12	12.0	14.8m x 10.2t			15.0m x 8.4t		17.1m x 5.8t		12
14	12.0		11.9						14
16	12.0	9.9	11.6	18.7m x 7.6t	8.3		5.8		16
18	12.0	9.4	11.4	7.6t	8.1		5.8		18
20	12.0	8.9	11.2	7.4	7.9	22.5m x 5.9t	5.6		20
22	12.0	8.5	10.9	7.0	7.7	5.9t	5.4		22
24	12.0	8.2	10.7	6.7	7.5	5.8	5.2	26.4m x 3.9t	24
26	12.0	7.9	10.4	6.4	7.3	5.5	5.0		26
28	12.0	7.6	10.1	6.2	7.1	5.2	4.8	3.9	28
30	12.0	7.3	9.9	5.9	6.9	5.0	4.7	3.8	30
32	12.0	7.1	9.7	5.7	6.7	4.8	4.5	3.7	32
34	11.7	7.0	9.6	5.5	6.5	4.6	4.3	3.6	34
36	11.1	6.8	9.1	5.4	6.3	4.5	4.2	3.4	36
38	37.7m x 10.6t	6.7	8.6	5.2	6.2	4.3	4.0	3.3	38
40		38.4m x 6.7t	8.2	5.1	6.0	4.2	3.9	3.3	40
42			7.8	5.0	5.9	4.1	3.8	3.2	42
44			43.3m x 7.6t	4.9	5.8	4.0	3.7	3.1	44
46				44.4m x 4.9t	5.7	3.9	3.6	3.0	46
48					5.5	3.8	3.4	3.0	48
50					48.9m x 5.4t	3.8	3.4	2.9	50
52						50.4m x 3.7t	3.3	2.9	52
54							3.2	2.9	54
56							54.6m x 3.1t	2.9	56
58								56.4m x 2.9t	58
60									60

Boom Length (m)	30								Boom Length (m)
Jib Length (m)	13		19		25		31		Jib Length (m)
Offset Angle (°)	10	30	10	30	10	30	10	30	Offset Angle (°)
Working Radius (m)									Working Radius (m)
10	11.4m x 12.0t		13.5m x 11.9t						10
12	12.0	15.3m x 10.1t			15.5m x 8.4t		17.6m x 5.8t		12
14	12.0		11.9						14
16	12.0	10.0	11.7	19.2m x 7.6t	8.4		5.8		16
18	12.0	9.5	11.5	7.6t	8.1		5.8		18
20	12.0	9.1	11.2	7.5	7.9	23.1m x 5.9t	5.6		20
22	12.0	8.7	11.0	7.1	7.7	5.9t	5.4		22
24	12.0	8.4	10.7	6.8	7.5	5.8	5.2	26.9m x 3.9t	24
26	12.0	8.1	10.5	6.5	7.3	5.6	5.1		26
28	12.0	7.8	10.3	6.3	7.2	5.3	4.9	3.9	28
30	12.0	7.5	10.2	6.0	7.0	5.1	4.7	3.8	30
32	12.0	7.3	10.0	5.8	6.8	4.9	4.6	3.7	32
34	12.0	7.1	9.7	5.6	6.6	4.7	4.4	3.6	34
36	11.7	7.0	9.5	5.5	6.5	4.6	4.3	3.5	36
38	11.2	6.8	9.1	5.3	6.3	4.4	4.2	3.4	38
40	10.7	6.7	8.6	5.2	6.2	4.3	4.0	3.3	40
42	40.3m x 10.6t	41.0m x 6.7t	8.2	5.1	6.0	4.2	3.9	3.2	42
44			7.9	5.0	5.9	4.0	3.8	3.2	44
46			45.9m x 7.5t	4.9	5.8	3.9	3.7	3.1	46
48				47.0m x 4.9t	5.7	3.9	3.6	3.0	48
50					5.6	3.8	3.5	3.0	50
52					51.5m x 5.4t	3.8	3.4	2.9	52
54						53.0m x 3.7t	3.3	2.9	54
56							3.3	2.9	56
58							57.2m x 3.1t	2.9	58
60								59.0m x 2.9t	60
62									62

* For notes about the table above, refer to page 24.

■ Crane Jib



Unit: ton									
Boom Length (m)	33								Boom Length (m)
Jib Length (m)	13		19		25		31		Jib Length (m)
Offset Angle (°)	10	30	10	30	10	30	10	30	Offset Angle (°)
Working Radius (m)									Working Radius (m)
12	12.0	15.9m x							12
14	12.0	10.1t	12.0		16.1m x				14
16	12.0	10.1	11.8	19.7m x	8.4t		18.1m x		16
18	12.0	9.7	11.6	7.6t	8.2		5.8t		18
20	12.0	9.2	11.4	7.6	8.0	23.6m x	5.7		20
22	12.0	8.9	11.1	7.2	7.8	5.9t	5.5		22
24	12.0	8.5	10.8	6.9	7.6	5.9	5.3	27.4m x	24
26	12.0	8.2	10.6	6.6	7.4	5.6	5.2	3.9t	26
28	12.0	7.9	10.4	6.4	7.2	5.4	5.0	3.9	28
30	12.0	7.7	10.2	6.2	7.1	5.2	4.8	3.8	30
32	12.0	7.5	10.0	6.0	6.9	5.0	4.7	3.7	32
34	12.0	7.3	9.9	5.8	6.7	4.8	4.5	3.6	34
36	12.0	7.1	9.8	5.6	6.6	4.7	4.4	3.5	36
38	11.8	6.9	9.5	5.4	6.4	4.5	4.2	3.4	38
40	11.3	6.8	9.1	5.3	6.3	4.4	4.1	3.4	40
42	10.9	6.7	8.7	5.2	6.2	4.2	4.0	3.3	42
44	42.9m x	43.6m x	8.3	5.1	6.0	4.1	3.9	3.2	44
46	10.6t	6.6t	8.0	5.0	5.9	4.0	3.8	3.1	46
48			7.7	4.9	5.8	3.9	3.7	3.1	48
50			48.5m x	49.6m x	5.7	3.9	3.5	3.0	50
52			7.5t	4.9t	5.6	3.8	3.5	3.0	52
54					5.4	3.8	3.4	2.9	54
56					54.1m x	55.6m x	3.3	2.9	56
58					5.4t	3.7t	3.2	2.9	58
60							59.8m x	2.9	60
62							3.2t	61.6m x	62
64								2.9t	64

Unit: ton									
Boom Length (m)	36								Boom Length (m)
Jib Length (m)	13		19		25		31		Jib Length (m)
Offset Angle (°)	10	30	10	30	10	30	10	30	Offset Angle (°)
Working Radius (m)									Working Radius (m)
10	12.5m x								10
12	12.0t		14.5m x						12
14	12.0	16.4m x	11.9t		16.6m x				14
16	12.0	10.1t	11.8		8.4t		18.6m x		16
18	12.0	9.8	11.6	20.2m x	8.3		5.8t		18
20	12.0	9.4	11.4	7.6t	8.1		5.7		20
22	12.0	9.0	11.2	7.3	7.9	24.1m x	5.6		22
24	12.0	8.7	11.0	7.0	7.7	5.9t	5.4		24
26	12.0	8.4	10.8	6.7	7.5	5.7	5.2		26
28	12.0	8.1	10.5	6.5	7.3	5.5	5.1	4.0	28
30	12.0	7.9	10.3	6.3	7.2	5.3	4.9	3.9	30
32	12.0	7.6	10.2	6.1	7.0	5.1	4.8	3.8	32
34	12.0	7.4	10.0	5.9	6.8	4.9	4.6	3.7	34
36	12.0	7.2	9.8	5.7	6.7	4.7	4.4	3.6	36
38	12.0	7.1	9.7	5.6	6.6	4.6	4.3	3.5	38
40	11.8	6.9	9.5	5.4	6.4	4.5	4.2	3.4	40
42	11.4	6.8	9.1	5.3	6.2	4.3	4.1	3.3	42
44	10.9	6.7	8.7	5.2	6.1	4.2	4.0	3.2	44
46	45.4m x	6.7	8.3	5.1	6.0	4.1	3.8	3.2	46
48	10.3t	46.2m x	8.0	5.0	5.9	4.0	3.8	3.1	48
50		6.6t	7.7	4.9	5.8	3.9	3.6	3.0	50
52			51.1m x	4.9	5.7	3.9	3.6	3.0	52
54			7.5t	52.2m x	5.6	3.8	3.5	3.0	54
56				4.9t	5.5	3.8	3.4	3.0	56
58					56.7m x	3.7	3.3	2.9	58
60					5.4t	58.2m x	3.2	2.9	60
62						3.7t	3.2	2.9	62
64							62.4m x	2.9	64
66							3.1t	64.2m x	66
68								2.8t	68

* For notes about the table above, refer to page 24.

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■ Crane Jib



Unit: ton

Boom Length (m)	39								Boom Length (m)
Jib Length (m)	13		19		25		31		Jib Length (m)
Offset Angle (°)	10	30	10	30	10	30	10	30	Offset Angle (°)
Working Radius (m)	10	30	10	30	10	30	10	30	Working Radius (m)
10	13.0m x								10
12	12.0t		15.0m x						12
14	12.0	16.9m x	11.9t		17.1m x				14
16	12.0	10.1t	11.8		8.3t		19.1m x		16
18	12.0	9.9	11.7	20.8m x	8.3		5.8t		18
20	12.0	9.5	11.5	7.5t	8.1		5.7		20
22	12.0	9.1	11.3	7.4	8.0	24.6m x	5.6		22
24	12.0	8.8	11.1	7.1	7.8	5.9t	5.4		24
26	12.0	8.5	10.9	6.8	7.6	5.8	5.3	28.5m x	26
28	12.0	8.2	10.7	6.6	7.5	5.5	5.1	3.9t	28
30	12.0	8.0	10.5	6.4	7.3	5.3	5.0	3.9	30
32	12.0	7.8	10.4	6.2	7.1	5.1	4.8	3.8	32
34	12.0	7.6	10.2	6.0	7.0	5.0	4.7	3.7	34
36	12.0	7.4	10.0	5.8	6.8	4.8	4.6	3.6	36
38	12.0	7.2	9.8	5.7	6.6	4.7	4.4	3.5	38
40	12.0	7.1	9.7	5.5	6.5	4.5	4.3	3.4	40
42	11.5	6.9	9.5	5.4	6.4	4.4	4.2	3.4	42
44	10.7	6.8	9.1	5.3	6.3	4.3	4.0	3.3	44
46	10.0	6.7	8.7	5.2	6.1	4.2	3.9	3.2	46
48	9.3	6.7	8.4	5.1	6.0	4.1	3.8	3.1	48
50		48.8m x	8.1	5.0	5.9	4.0	3.7	3.1	50
52		6.6t	7.8	4.9	5.8	3.9	3.7	3.0	52
54			53.7m x	4.9	5.7	3.9	3.5	3.0	54
56			7.5t	54.8m x	5.6	3.8	3.5	3.0	56
58				4.8t	5.5	3.8	3.4	2.9	58
60					59.3m x	3.7	3.3	2.9	60
62					5.3t	60.8m x	3.3	2.9	62
64						3.7t	3.2	2.9	64
66							65.0m x	2.9	66
68							3.1t	66.8m x	68
70								2.8t	70

Boom Length (m)	42								Boom Length (m)
Jib Length (m)	13		19		25		31		Jib Length (m)
Offset Angle (°)	10	30	10	30	10	30	10	30	Offset Angle (°)
Working Radius (m)	10	30	10	30	10	30	10	30	Working Radius (m)
13.5	12.0		15.6m x						13.5
14	12.0		11.9t		17.6m x				14
16	12.0	10.0	11.9		8.3t		19.7m x		16
18	12.0	10.0	11.7	21.3m x	8.3		5.8t		18
20	12.0	9.6	11.6	7.5t	8.2		5.8		20
22	12.0	9.2	11.4	7.5	8.0	25.1m x	5.6		22
24	12.0	8.9	11.2	7.2	7.8	5.9t	5.5		24
26	12.0	8.6	10.9	6.9	7.7	5.8	5.3	29.0m x	26
28	12.0	8.4	10.8	6.7	7.5	5.6	5.2	3.9t	28
30	12.0	8.1	10.6	6.5	7.3	5.4	5.0	3.9	30
32	12.0	7.9	10.4	6.3	7.2	5.2	4.9	3.8	32
34	12.0	7.7	10.3	6.1	7.0	5.0	4.7	3.7	34
36	12.0	7.5	10.1	5.9	6.9	4.9	4.6	3.6	36
38	12.0	7.3	10.0	5.8	6.7	4.7	4.5	3.5	38
40	12.0	7.2	9.8	5.6	6.6	4.6	4.3	3.5	40
42	11.4	7.1	9.6	5.5	6.5	4.5	4.2	3.4	42
44	10.6	6.9	9.5	5.4	6.4	4.4	4.2	3.3	44
46	9.9	6.8	9.1	5.3	6.2	4.3	4.0	3.2	46
48	9.2	6.8	8.7	5.2	6.1	4.2	3.9	3.2	48
50	8.6	6.7	8.4	5.1	6.0	4.1	3.8	3.1	50
52	50.6m x	51.4m x	8.1	5.0	5.9	4.0	3.7	3.1	52
54	8.4t	6.6t	7.8	4.9	5.8	3.9	3.6	3.0	54
56			7.4	4.9	5.7	3.9	3.6	3.0	56
58			56.3m x	57.4m x	5.6	3.8	3.5	2.9	58
60			7.3t	4.8t	5.5	3.8	3.4	2.9	60
62					61.9m x	3.7	3.3	2.9	62
64					5.3t	63.4m x	3.3	2.9	64
66						3.7t	3.2	2.9	66
68							67.6m x	2.9	68
70							3.1t	69.4m x	70
72								2.8t	72

* For notes about the table above, refer to page 24.

■ Crane Jib



Boom Length (m)		45								Boom Length (m)	
Jib Length (m)		13		19		25		31		Jib Length (m)	
Offset Angle (°)		10		30		10		30		Offset Angle (°)	
Working Radius (m)		10		30		10		30		Working Radius (m)	
14	12.0	17.9m x	16.1m x								14
16	12.0	10.0t	11.8t			18.1m x					16
18	12.0	10.1	11.7	21.8m x		8.4t		20.2m x			18
20	12.0	9.7	11.6	7.5t		8.2		5.7t			20
22	12.0	9.4	11.5	7.5		8.1	25.7m x	5.7			22
24	12.0	9.0	11.3	7.3		7.9	5.8t	5.5			24
26	12.0	8.8	11.1	7.0		7.7	5.9	5.4	29.5m x		26
28	12.0	8.5	10.9	6.8		7.6	5.6	5.2	3.9t		28
30	12.0	8.3	10.7	6.6		7.4	5.5	5.1	3.9		30
32	12.0	8.0	10.5	6.4		7.3	5.3	4.9	3.8		32
34	12.0	7.8	10.3	6.2		7.1	5.1	4.8	3.7		34
36	12.0	7.6	10.2	6.0		7.0	5.0	4.7	3.6		36
38	12.0	7.5	10.0	5.9		6.8	4.8	4.5	3.6		38
40	12.0	7.3	9.9	5.7		6.7	4.7	4.4	3.5		40
42	11.2	7.2	9.8	5.6		6.5	4.5	4.3	3.4		42
44	10.4	7.0	9.7	5.4		6.4	4.4	4.2	3.3		44
46	9.7	6.9	9.5	5.3		6.3	4.3	4.1	3.3		46
48	9.0	6.8	9.1	5.2		6.2	4.2	4.0	3.2		48
50	8.4	6.8	8.7	5.1		6.1	4.1	3.9	3.1		50
52	7.9	6.7	8.1	5.1		6.0	4.1	3.8	3.1		52
54	53.2m x	6.6	7.6	5.0		5.9	4.0	3.7	3.0		54
56	7.5t		7.2	4.9		5.8	3.9	3.6	3.0		56
58			6.7	4.9		5.7	3.8	3.5	3.0		58
60			58.9m x	4.8		5.7	3.8	3.5	2.9		60
62			6.5t			5.6	3.8	3.4	2.9		62
64						5.4	3.7	3.3	2.9		64
66						64.5m x	3.7	3.3	2.9		66
68						5.3t		3.2	2.9		68
70								3.2	2.9		70
72								70.2m x	2.8		72
74								3.1t			74

Boom Length (m)		48								Boom Length (m)		
Jib Length (m)		13		19		25		31		Jib Length (m)		
Offset Angle (°)		10		30		10		30		Offset Angle (°)		
Working Radius (m)		10		30		10		30		Working Radius (m)		
12	14.6m x										12	
14	12.0t			16.6m x							14	
16	12.0	18.5m x		11.9t		18.7m x					16	
18	12.0	10.0t		11.8		8.3t		20.7m x			18	
20	12.0	9.8		11.7	22.3m x	8.3		5.7t			20	
22	12.0	9.5		11.5	7.5t	8.1		5.7			22	
24	12.0	9.2		11.4	7.3	8.0	26.2m x	5.5			24	
26	12.0	8.9		11.2	7.1	7.8	5.8t	5.4			26	
28	12.0	8.6		11.0	6.8	7.7	5.7	5.3			28	
30	12.0	8.4		10.8	6.6	7.5	5.5	5.1	3.9		30	
32	12.0	8.2		10.7	6.4	7.4	5.3	5.0	3.8		32	
34	12.0	8.0		10.5	6.3	7.2	5.2	4.9	3.8		34	
36	12.0	7.8		10.2	6.1	7.1	5.0	4.8	3.7		36	
38	12.0	7.6		10.1	5.9	6.9	4.9	4.6	3.6		38	
40	11.9	7.4		10.0	5.8	6.8	4.7	4.5	3.5		40	
42	11.0	7.3		9.9	5.7	6.7	4.6	4.4	3.4		42	
44	10.2	7.2		9.7	5.5	6.6	4.5	4.3	3.4		44	
46	9.5	7.0		9.6	5.4	6.4	4.4	4.2	3.3		46	
48	8.8	6.9		9.1	5.3	6.3	4.3	4.1	3.2		48	
50	8.2	6.8		8.5	5.2	6.2	4.2	4.0	3.2		50	
52	7.6	6.8		7.9	5.1	6.1	4.1	3.9	3.1		52	
54	7.1	6.7		7.4	5.1	6.0	4.0	3.8	3.1		54	
56	55.8m x	6.7		7.0	5.0	5.9	4.0	3.7	3.0		56	
58	6.7t		56.6m x	6.5	4.9	5.8	3.9	3.6	3.0		58	
60			6.6t	6.1	4.9	5.7	3.8	3.5	3.0		60	
62				61.5m x	4.9	5.6	3.8	3.5	3.0		62	
64				5.8t		5.6	3.8	3.4	2.9		64	
66					62.6m x	5.3	3.7	3.3	2.9		66	
68					4.8t		3.7	3.3	2.9		68	
70						67.1m x	3.7	3.3	2.9		70	
72						5.0t		68.6m x	3.2		72	
74								3.7t	2.9		74	
76									72.8m x	2.9	76	
78									3.1t	74.6m x	2.8t	78

* For notes about the table above, refer to page 24.

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■ Crane Jib



Unit: ton

Boom Length (m)	51								Boom Length (m)
Jib Length (m)	13		19		25		31		Jib Length (m)
Offset Angle (°)	10	30	10	30	10	30	10	30	Offset Angle (°)
Working Radius (m)									Working Radius (m)
12	15.1m x								12
14	12.0t		17.1m x						14
16	12.0	19.0m x	11.9t		19.2m x				16
18	12.0	10.0t	11.9		8.3t		21.2m x		18
20	12.0	9.9	11.7	22.8m x	8.3		5.7t		20
22	12.0	9.5	11.6	7.5t	8.1		5.7		22
24	12.0	9.3	11.4	7.4	8.0	26.7m x	5.6		24
26	12.0	9.0	11.2	7.1	7.8	5.8t	5.5		26
28	12.0	8.7	11.0	6.9	7.7	5.7	5.3	30.6m x	28
30	12.0	8.5	10.9	6.7	7.5	5.6	5.2	3.9t	30
32	12.0	8.3	10.7	6.5	7.4	5.4	5.0	3.8	32
34	12.0	8.1	10.6	6.3	7.3	5.2	4.9	3.8	34
36	12.0	7.9	10.4	6.2	7.1	5.1	4.8	3.7	36
38	12.0	7.7	10.3	6.0	7.0	4.9	4.7	3.6	38
40	11.7	7.5	10.2	5.9	6.9	4.8	4.6	3.5	40
42	10.8	7.4	9.9	5.7	6.8	4.7	4.5	3.5	42
44	10.0	7.3	9.8	5.6	6.6	4.6	4.4	3.4	44
46	9.3	7.1	9.6	5.5	6.5	4.5	4.3	3.3	46
48	8.6	7.0	9.0	5.4	6.4	4.4	4.1	3.3	48
50	8.0	6.9	8.4	5.3	6.3	4.3	4.0	3.2	50
52	7.5	6.8	7.8	5.2	6.2	4.2	3.9	3.2	52
54	7.0	6.8	7.3	5.1	6.1	4.1	3.8	3.1	54
56	6.5	6.6	6.8	5.1	6.0	4.0	3.8	3.1	56
58	6.1	6.2	6.4	5.0	5.9	4.0	3.7	3.0	58
60	58.4m x	59.2m x	5.9	4.9	5.9	3.9	3.6	3.0	60
62	5.9t	5.8t	5.6	4.9	5.7	3.8	3.5	2.9	62
64			5.2	4.9	5.4	3.8	3.5	2.9	64
66			64.1m x	65.2m x	5.1	3.8	3.4	2.9	66
68			5.1t	4.8t	4.8	3.7	3.4	2.9	68
70					69.7m x	3.7	3.3	2.9	70
72					4.5t	71.2m x	3.2	2.9	72
74						3.7t	3.2	2.9	74
76							75.4m x	2.9	76
78							3.1t	77.2m x	78
80								2.8t	80

* For notes about the table above, refer to page 24.

■ Crane Jib



Unit: ton

Boom Length (m)	54								Boom Length (m)
Jib Length (m)	13		19		25		31		Jib Length (m)
Offset Angle (°)	10	30	10	30	10	30	10	30	Offset Angle (°)
Working Radius (m)									Working Radius (m)
12	15.6m x								12
14	12.0t		17.6m x						14
16	12.0	19.5m x	11.8t		19.7m x				16
18	12.0	10.0t	11.9		8.3t		21.8m x		18
20	12.0	9.9	11.7	23.4m x	8.3		5.7t		20
22	12.0	9.6	11.6	7.5t	8.2		5.7		22
24	12.0	9.3	11.4	7.4	8.0	27.2m x	5.6		24
26	12.0	9.1	11.3	7.2	7.9	5.8t	5.5		26
28	12.0	8.8	11.1	7.0	7.8	5.8	5.4	31.1m x	28
30	12.0	8.6	10.9	6.8	7.6	5.6	5.2	3.8t	30
32	12.0	8.4	10.8	6.6	7.5	5.4	5.1	3.9	32
34	12.0	8.2	10.6	6.4	7.3	5.3	5.0	3.8	34
36	12.0	8.0	10.5	6.3	7.2	5.1	4.9	3.7	36
38	12.0	7.8	10.3	6.1	7.1	5.0	4.7	3.6	38
40	11.5	7.7	10.2	6.0	7.0	4.9	4.6	3.6	40
42	10.6	7.5	10.1	5.8	6.8	4.7	4.5	3.5	42
44	9.8	7.4	10.0	5.7	6.7	4.6	4.4	3.4	44
46	9.1	7.2	9.4	5.6	6.6	4.5	4.3	3.4	46
48	8.4	7.1	8.7	5.5	6.5	4.4	4.2	3.3	48
50	7.8	7.0	8.1	5.4	6.4	4.3	4.1	3.2	50
52	7.2	6.9	7.5	5.3	6.3	4.2	4.0	3.2	52
54	6.7	6.8	7.0	5.2	6.2	4.1	3.9	3.1	54
56	6.3	6.4	6.6	5.1	6.1	4.1	3.8	3.1	56
58	5.8	5.9	6.1	5.0	6.0	4.0	3.7	3.1	58
60	5.4	5.5	5.7	5.0	5.9	3.9	3.7	3.0	60
62	61.0m x	61.8m x	5.3	4.9	5.6	3.9	3.6	3.0	62
64	5.2t	5.1t	5.0	4.9	5.2	3.8	3.5	2.9	64
66			4.6	4.7	4.9	3.8	3.5	2.9	66
68			66.7m x	67.8m x	4.5	3.8	3.4	2.9	68
70			4.5t	4.4t	4.2	3.7	3.3	2.9	70
72					4.0	3.7	3.3	2.9	72
74					72.3m x	73.8m x	3.2	2.9	74
76					3.9t	3.7t	3.2	2.9	76
78							3.1	2.9	78
80								79.8m x	80
82								2.8t	82

* For notes about the table above, refer to page 24.

■ Crane Jib



Unit: ton

Boom Length (m)	57								Boom Length (m)
Jib Length (m)	13		19		25		31		Jib Length (m)
Offset Angle (°)									Offset Angle (°)
Working Radius (m)	10	30	10	30	10	30	10	30	Working Radius (m)
16.1	12.0		18.2m x						16.1
18	12.0		11.8t		20.2m x				18
20	12.0	10.0	11.7	23.9m x	8.3t		22.3m x		20
22	12.0	9.7	11.6	7.4t	8.3		5.7t		22
24	12.0	9.4	11.5	7.5	8.1	27.7m x	5.6		24
26	12.0	9.2	11.4	7.3	8.0	5.8t	5.5		26
28	12.0	8.9	11.2	7.0	7.8	5.8	5.4	31.6m x	28
30	12.0	8.7	11.1	6.8	7.7	5.6	5.3	3.9t	30
32	12.0	8.5	10.9	6.7	7.5	5.5	5.2	3.9	32
34	12.0	8.3	10.7	6.5	7.4	5.3	5.0	3.8	34
36	12.0	8.1	10.6	6.3	7.3	5.2	4.9	3.8	36
38	12.0	7.9	10.4	6.2	7.1	5.0	4.8	3.7	38
40	11.3	7.8	10.3	6.0	7.0	4.9	4.7	3.6	40
42	10.4	7.6	10.1	5.9	6.9	4.8	4.6	3.5	42
44	9.6	7.5	9.9	5.8	6.8	4.7	4.5	3.4	44
46	8.9	7.3	9.2	5.7	6.7	4.6	4.4	3.4	46
48	8.2	7.2	8.5	5.5	6.5	4.5	4.3	3.3	48
50	7.6	7.1	7.9	5.4	6.4	4.4	4.2	3.3	50
52	7.0	7.0	7.3	5.3	6.3	4.3	4.1	3.2	52
54	6.5	6.7	6.8	5.3	6.3	4.2	4.0	3.2	54
56	6.0	6.2	6.3	5.2	6.2	4.1	3.9	3.1	56
58	5.6	5.8	5.9	5.1	6.1	4.1	3.8	3.1	58
60	5.2	5.3	5.5	5.0	5.7	4.0	3.8	3.0	60
62	4.8	4.9	5.1	5.0	5.4	3.9	3.7	3.0	62
64	63.6m x	4.6	4.8	4.9	5.0	3.9	3.6	3.0	64
66	4.5t	64.4m x	4.4	4.6	4.7	3.8	3.5	2.9	66
68		4.4t	4.1	4.2	4.3	3.8	3.5	2.9	68
70			69.3m x	3.9	4.0	3.7	3.4	2.9	70
72			3.9t	70.4m x	3.8	3.7	3.3	2.9	72
74				3.8t	3.5	3.6	3.3	2.9	74
76					74.9m x	3.4	3.2	2.9	76
78					3.3t	76.4m x	3.2	2.9	78
80						3.3t	3.0	2.9	80
82							80.5m x	2.9	82
84							2.9t	82.4m x	84
86								2.8t	86

* For notes about the table above, refer to page 24.

■ Crane Jib



Unit: ton

Boom Length (m)	60								Boom Length (m)
Jib Length (m)	13		19		25		31		Jib Length (m)
Offset Angle (°)	10	30	10	30	10	30	10	30	Offset Angle (°)
Working Radius (m)									Working Radius (m)
16	16.6m x 12.0t		18.7m x 11.8t						16
18	12.0	20.5m x 9.9t			20.7m x 8.3t		22.8m x 5.7t		18
20	12.0		11.8						20
22	12.0	9.8	11.7	24.4m x 7.4t	8.2		5.7		22
24	12.0	9.5	11.5	7.3	8.1		5.7		24
26	12.0	9.2	11.4	7.3	8.0	28.3m x 5.8t	5.5		26
28	12.0	9.0	11.2	7.1	7.8	5.7	5.4		28
30	12.0	8.8	11.1	6.9	7.7	5.7	5.3	32.1m x 3.8t	30
32	12.0	8.6	11.0	6.7	7.6	5.5	5.2		32
34	12.0	8.4	10.8	6.6	7.5	5.4	5.1	3.8	34
36	12.0	8.2	10.7	6.4	7.3	5.2	5.0	3.7	36
38	12.0	8.0	10.6	6.2	7.2	5.1	4.8	3.7	38
40	11.1	7.8	10.4	6.1	7.1	5.0	4.7	3.6	40
42	10.2	7.7	10.2	6.0	7.0	4.8	4.6	3.5	42
44	9.4	7.6	9.7	5.8	6.8	4.7	4.5	3.5	44
46	8.6	7.4	9.0	5.7	6.7	4.6	4.4	3.4	46
48	8.0	7.3	8.3	5.6	6.6	4.5	4.3	3.4	48
50	7.4	7.2	7.7	5.5	6.5	4.4	4.2	3.3	50
52	6.8	7.1	7.1	5.4	6.4	4.3	4.1	3.2	52
54	6.3	6.5	6.6	5.3	6.3	4.3	4.0	3.2	54
56	5.8	6.0	6.1	5.2	6.2	4.2	4.0	3.1	56
58	5.4	5.6	5.7	5.2	5.9	4.1	3.9	3.1	58
60	5.0	5.1	5.3	5.1	5.5	4.0	3.8	3.1	60
62	4.6	4.7	4.9	5.0	5.1	4.0	3.7	3.0	62
64	4.3	4.4	4.5	4.8	4.8	3.9	3.7	3.0	64
66	3.9	4.0	4.2	4.4	4.4	3.9	3.6	3.0	66
68	66.2m x 3.9t	67.0m x 3.8t	3.9	4.1	4.1	3.8	3.5	2.9	68
70			3.6	3.7	3.8	3.8	3.5	2.9	70
72			71.9m x 3.3t	3.4	3.5	3.7	3.4	2.9	72
74				73.0m x 3.2t	3.3	3.5	3.3	2.9	74
76					3.0	3.2	3.2	2.9	76
78					77.5m x 2.8t	2.9	3.0	2.9	78
80						79.0m x 2.7t	2.8	2.9	80
82							2.5	2.7	82
84							83.1m x 2.4t	2.5	84
86								85.0m x 2.3t	86
88									88

* For notes about the table above, refer to page 24.

■ Crane Jib



Unit: ton

Boom Length (m)	63								Boom Length (m)
Jib Length (m)	13		19		25		31		Jib Length (m)
Offset Angle (°)	10	30	10	30	10	30	10	30	Offset Angle (°)
Working Radius (m)									Working Radius (m)
16	17.2m x		19.2m x						16
18	12.0t		11.8t		21.3m x				18
20	12.0	21.1m x	11.8		8.3t		23.3m x		20
22	12.0	9.9t	11.7				5.7t		22
24	12.0	9.8	11.6	24.9m x	8.3		5.7		24
26	12.0	9.6	11.5	7.4t	8.1		5.6		26
28	12.0	9.3	11.3	7.4	8.0	28.8m x	5.5		28
30	12.0	9.1	11.1	7.2	7.9	5.8t	5.4		30
32	12.0	8.9	11.0	7.0	7.7	5.7	5.4	32.6m x	32
34	12.0	8.7	10.8	6.8	7.6	5.6	5.2	3.8t	34
36	12.0	8.5	10.7	6.6	7.5	5.4	5.1	3.8	36
38	12.0	8.3	10.6	6.5	7.4	5.3	5.0	3.8	38
40	11.9	8.1	10.4	6.3	7.3	5.1	4.9	3.7	40
42	10.9	7.9	10.4	6.2	7.2	5.0	4.8	3.6	42
44	10.0	7.8	10.4	6.0	7.0	4.9	4.7	3.5	44
46	9.2	7.6	9.6	5.9	6.9	4.8	4.6	3.5	46
48	8.5	7.5	8.8	5.8	6.8	4.7	4.5	3.4	48
50	7.8	7.4	8.2	5.7	6.7	4.6	4.4	3.4	50
52	7.2	7.3	7.5	5.6	6.6	4.5	4.3	3.3	52
54	6.6	6.9	7.0	5.5	6.5	4.4	4.2	3.3	54
56	6.1	6.4	6.4	5.4	6.4	4.3	4.1	3.2	56
58	5.7	5.9	6.0	5.3	6.2	4.2	4.0	3.2	58
60	5.2	5.4	5.5	5.2	5.8	4.2	3.9	3.1	60
62	4.8	5.0	5.1	5.2	5.4	4.1	3.9	3.1	62
64	4.4	4.6	4.7	5.0	5.0	4.0	3.8	3.1	64
66	4.1	4.2	4.4	4.6	4.6	4.0	3.7	3.0	66
68	3.7	3.8	4.0	4.3	4.3	3.9	3.7	3.0	68
70	3.4	3.5	3.7	3.9	3.9	3.9	3.6	2.9	70
72	68.8m x	69.6m x	3.4	3.6	3.6	3.8	3.5	2.9	72
74	3.3t	3.2t	3.1	3.3	3.4	3.6	3.5	2.9	74
76			2.9	3.0	3.1	3.3	3.3	2.9	76
78			74.5m x	75.6m x	2.8	3.0	3.0	2.9	78
80			2.8t	2.7t	2.6	2.8	2.8	2.8	80
82					2.4	2.5	2.6	2.8	82
84					80.1m x	81.6m x	2.4	2.6	84
86					2.3t	2.3t	2.2	2.3	86
88							85.7m x	2.1	88
90							1.9t	87.6m x	90
								1.9t	

* For notes about the table above, refer to page 24.

■ Crane Jib



Unit: ton

Boom Length (m)	66								Boom Length (m)
Jib Length (m)	13		19		25		31		Jib Length (m)
Offset Angle (°)	10	30	10	30	10	30	10	30	Offset Angle (°)
Working Radius (m)									Working Radius (m)
16	17.7m x 12.0t		19.7m x 11.8t						16
18	12.0	21.6m x 9.9t			21.8m x 8.3t		23.8m x 5.7t		18
20	12.0		11.8						20
22	12.0	9.9	11.7	25.4m x 7.4t	8.4		5.7		22
24	12.0	9.6	11.6	7.4	8.2		5.7		24
26	12.0	9.4	11.5	7.4	8.1	29.3m x 5.8t	5.6		26
28	12.0	9.2	11.4	7.2	7.9	5.8	5.5		28
30	12.0	8.9	11.3	7.0	7.8	5.8	5.4	33.2m x 3.9t	30
32	12.0	8.7	11.1	6.8	7.7	5.6	5.3		32
34	12.0	8.5	10.9	6.7	7.6	5.5	5.2	3.9	34
36	12.0	8.4	10.8	6.5	7.4	5.3	5.1	3.8	36
38	11.7	8.2	10.6	6.4	7.3	5.2	4.9	3.7	38
40	10.7	8.0	10.5	6.2	7.2	5.1	4.8	3.6	40
42	9.8	7.9	10.2	6.1	7.1	4.9	4.7	3.6	42
44	9.0	7.7	9.4	6.0	7.0	4.8	4.6	3.5	44
46	8.3	7.6	8.6	5.9	6.9	4.7	4.5	3.4	46
48	7.6	7.5	8.0	5.7	6.8	4.6	4.4	3.4	48
50	7.0	7.3	7.3	5.6	6.6	4.5	4.3	3.3	50
52	6.4	6.8	6.8	5.5	6.6	4.4	4.2	3.3	52
54	5.9	6.2	6.3	5.5	6.5	4.4	4.2	3.3	54
56	5.4	5.7	5.8	5.4	6.0	4.3	4.1	3.2	56
58	5.0	5.2	5.3	5.3	5.6	4.2	4.0	3.1	58
60	4.6	4.8	4.9	5.2	5.2	4.1	3.9	3.1	60
62	4.2	4.4	4.5	4.8	4.8	4.1	3.8	3.1	62
64	3.9	4.0	4.2	4.4	4.4	4.0	3.8	3.0	64
66	3.5	3.7	3.8	4.1	4.1	4.0	3.7	3.0	66
68	3.2	3.3	3.5	3.7	3.7	3.9	3.6	3.0	68
70	2.9	3.0	3.2	3.4	3.4	3.8	3.6	2.9	70
72	71.4m x 2.7t	2.7	2.9	3.1	3.2	3.5	3.4	2.9	72
74		72.2m x 2.6t	2.7	2.8	2.9	3.2	3.1	2.9	74
76			2.4	2.5	2.6	2.9	2.8	2.9	76
78			77.1m x 2.2t	2.3	2.4	2.6	2.6	2.9	78
80				78.2m x 2.2t	2.2	2.4	2.4	2.7	80
82					2.0	2.1	2.2	2.4	82
84					82.6m x 1.9t	83.7m x 1.9t	2.0	2.2	84
86							84.4m x 1.9t	2.0	86
88								86.4m x 1.9t	88
90									90

* For notes about the table above, refer to page 24.

■ Crane Jib



Unit: ton

Boom Length (m)	69								Boom Length (m)
Jib Length (m)	13		19		25		31		Jib Length (m)
Offset Angle (°)	10	30	10	30	10	30	10	30	Offset Angle (°)
Working Radius (m)	10	30	10	30	10	30	10	30	Working Radius (m)
18.2	12.0		20.3m x						18.2
20	12.0		11.8t		22.3m x				20
22	12.0	9.9	11.7		8.3t		24.4m x		22
24	12.0	9.7	11.6		8.2		5.6t		24
26	12.0	9.5	11.5	7.4	8.1	29.8m x	5.6		26
28	12.0	9.2	11.4	7.3	8.0	5.8t	5.5		28
30	12.0	9.0	11.3	7.1	7.9	5.8	5.4	33.7m x	30
32	12.0	8.8	11.2	6.9	7.8	5.6	5.3	3.8t	32
34	12.0	8.6	11.0	6.7	7.6	5.5	5.2	3.9	34
36	12.0	8.4	10.9	6.6	7.5	5.4	5.1	3.8	36
38	11.5	8.3	10.8	6.4	7.4	5.2	5.0	3.7	38
40	10.5	8.1	10.6	6.3	7.3	5.1	4.9	3.7	40
42	9.6	8.0	10.0	6.2	7.2	5.0	4.8	3.6	42
44	8.8	7.8	9.2	6.0	7.0	4.9	4.7	3.5	44
46	8.1	7.7	8.4	5.9	6.9	4.8	4.6	3.5	46
48	7.4	7.6	7.8	5.8	6.8	4.7	4.5	3.4	48
50	6.8	7.2	7.1	5.7	6.7	4.6	4.4	3.4	50
52	6.2	6.6	6.6	5.6	6.6	4.5	4.3	3.3	52
54	5.7	6.0	6.0	5.5	6.3	4.4	4.2	3.3	54
56	5.2	5.5	5.6	5.4	5.8	4.3	4.1	3.2	56
58	4.8	5.0	5.1	5.3	5.4	4.3	4.0	3.2	58
60	4.4	4.6	4.7	5.1	5.0	4.2	4.0	3.1	60
62	4.0	4.2	4.3	4.7	4.6	4.1	3.9	3.1	62
64	3.6	3.8	3.9	4.3	4.2	4.1	3.9	3.0	64
66	3.3	3.5	3.6	3.9	3.9	4.0	3.8	3.0	66
68	3.0	3.1	3.3	3.6	3.5	3.9	3.7	3.0	68
70	2.7	2.8	3.0	3.2	3.2	3.6	3.4	3.0	70
72	2.4	2.5	2.7	2.9	3.0	3.3	3.2	2.9	72
74	2.1	2.3	2.5	2.6	2.7	3.0	2.9	2.9	74
76		74.8m x	2.2	2.4	2.4	2.7	2.6	2.9	76
78		2.1t	2.0	2.1	2.2	2.4	2.4	2.8	78
80			78.5m x	79.5m x	2.0	2.2	2.2	2.5	80
82			1.9t	1.9t	80.6m x	1.9	1.9	2.3	82
84					1.90t	82.3m x	82.4m x	2.0	84
86						1.9t	1.9t	84.9m x	86
88								1.9t	88

* For notes about the table above, refer to page 24.

■ Crane Jib



Unit: ton

Boom Length (m)	72								Boom Length (m)
Jib Length (m)	13		19		25		31		Jib Length (m)
Offset Angle (°)	10		30		10		30		Offset Angle (°)
Working Radius (m)	10		30		10		30		Working Radius (m)
18	18.7m x								18
20	12.0t		20.8m x						20
22	12.0	22.6m x	11.8t		22.8m x				22
24	12.0	9.9t	11.8		8.2t		24.9m x		24
26	12.0	9.8	11.7	26.5m x	8.2		5.6t		26
28	12.0	9.5	11.6	7.4t	8.1		5.6		28
30	12.0	9.3	11.4	7.3	8.0	30.3m x	5.5		30
32	12.0	9.1	11.3	7.1	7.9	5.7t	5.4		32
34	12.0	8.9	11.2	6.9	7.7	5.7	5.3	34.2m x	34
36	12.0	8.7	11.0	6.8	7.6	5.5	5.2	3.8t	36
38	12.0	8.5	10.9	6.6	7.5	5.4	5.1	3.8	38
40	11.3	8.4	10.8	6.5	7.4	5.3	5.0	3.7	40
42	10.3	8.2	10.7	6.3	7.3	5.1	4.9	3.7	42
44	9.4	8.0	9.8	6.2	7.2	5.0	4.8	3.6	44
46	8.6	7.9	8.9	6.1	7.1	4.9	4.7	3.5	46
48	7.8	7.8	8.2	6.0	7.0	4.8	4.6	3.5	48
50	7.2	7.6	7.5	5.9	6.9	4.7	4.5	3.4	50
52	6.5	6.9	6.9	5.8	6.8	4.6	4.5	3.4	52
54	6.0	6.3	6.3	5.7	6.6	4.5	4.4	3.3	54
56	5.5	5.8	5.8	5.6	6.1	4.4	4.3	3.3	56
58	5.0	5.3	5.3	5.5	5.6	4.4	4.2	3.2	58
60	4.5	4.8	4.9	5.3	5.1	4.3	4.1	3.2	60
62	4.1	4.4	4.4	4.9	4.7	4.2	4.0	3.1	62
64	3.7	4.0	4.1	4.4	4.3	4.2	3.9	3.1	64
66	3.4	3.6	3.7	4.1	4.0	4.1	3.9	3.1	66
68	3.1	3.2	3.4	3.7	3.6	4.0	3.8	3.0	68
70	2.7	2.9	3.0	3.3	3.3	3.7	3.5	3.0	70
72	2.5	2.6	2.7	3.0	3.0	3.4	3.2	3.0	72
74	2.2	2.3	2.5	2.7	2.7	3.1	2.9	2.9	74
76	1.9	2.0	2.2	2.4	2.4	2.8	2.7	2.9	76
78	74.1m x	74.8m x	2.0	2.1	2.2	2.5	2.4	2.8	78
80	1.9t	1.9t	76.4m x	77.7m x	2.0	2.2	2.2	2.6	80
82			1.9t	1.9t	78.4m x	2.0	1.9	2.3	82
84					1.9t	80.5m x	80.1m x	2.0	84
86						1.9t	1.9t	83.2m x	86
								1.9t	

* For notes about the table above, refer to page 24.

■ Crane Jib



Unit: ton

Boom Length (m)	75								Boom Length (m)
Jib Length (m)	13		19		25		31		Jib Length (m)
Offset Angle (°)	10	30	10	30	10	30	10	30	Offset Angle (°)
Working Radius (m)									Working Radius (m)
18	19.2m x 12.0t		21.3m x 11.8t						18
20	12.0	23.2m x 9.9t	11.8		23.3m x 8.3t				20
22	12.0	9.8	11.7		8.3		25.4m x 5.6t		22
24	12.0	9.6	11.6	27.0m x 7.4t	8.2		5.6		24
26	12.0	9.4	11.5	7.3	8.0		5.5		26
28	12.0	9.2	11.4	7.2	7.9	30.9m x 5.7t	5.5		28
30	12.0	9.0	11.3	7.0	7.8	5.7	5.4	34.7m x 3.8t	30
32	11.8	8.8	11.1	6.8	7.7	5.6	5.3		32
34	11.4	8.6	10.9	6.7	7.6	5.4	5.2	3.8	34
36	11.0	8.4	10.8	6.5	7.5	5.3	5.1	3.7	36
38	10.1	8.3	10.5	6.4	7.3	5.2	5.0	3.7	38
40	9.2	8.1	9.6	6.3	7.2	5.1	4.9	3.6	40
42	8.4	8.0	8.7	6.1	7.1	5.0	4.8	3.6	42
44	7.6	7.8	8.0	6.0	7.1	4.9	4.7	3.5	44
46	7.0	7.4	7.3	5.9	7.0	4.8	4.6	3.4	46
48	6.3	6.8	6.7	5.8	6.8	4.7	4.5	3.4	48
50	5.8	6.2	6.1	5.7	6.4	4.6	4.4	3.3	50
52	5.3	5.6	5.6	5.6	5.9	4.5	4.3	3.3	52
54	4.8	5.1	5.1	5.5	5.4	4.4	4.2	3.3	54
56	4.3	4.6	4.7	5.1	4.9	4.3	4.2	3.2	56
58	3.9	4.2	4.2	4.7	4.5	4.3	4.1	3.2	58
60	3.5	3.8	3.9	4.3	4.1	4.2	4.0	3.1	60
62	3.2	3.4	3.5	3.9	3.8	4.1	3.9	3.1	62
64	2.8	3.1	3.1	3.5	3.4	3.9	3.6	3.1	64
66	2.5	2.7	2.8	3.2	3.1	3.6	3.3	3.0	66
68	2.2	2.4	2.5	2.8	2.8	3.2	3.0	3.0	68
70	2.0	2.1	2.3	2.5	2.5	2.9	2.7	3.0	70
72	72.5m x 1.9t	73.4m x 1.9t	2.0	2.2	2.2	2.6	2.5	2.9	72
74			74.6m x 1.9t	2.0	2.0	2.3	2.2	2.7	74
76				76.4m x 1.9t	76.6m x 1.9t	2.1	2.0	2.4	76
78						79.2m x 1.9t	78.4m x 1.9t	2.1	78
80								81.8m x 1.9t	80
82									82
84									84

* For notes about the table above, refer to page 24.

■ Main Boom with Crane Jib



Unit: ton

Boom Length (m)	24								Boom Length (m)
Jib Length (m)	13		19		25		31		Jib Length (m)
Offset Angle (°)									Offset Angle (°)
Working Radius (m)	10	30	10	30	10	30	10	30	Working Radius (m)
6.1	120.0	120.0	120.0	119.5	119.7	118.5	119.0	117.5	6.1
7	105.4	105.0	104.9	104.2	104.3	103.3	103.6	102.3	7
8	92.2	91.8	91.7	91.1	91.1	90.3	90.4	89.3	8
9	81.8	81.5	81.3	80.8	80.7	80.0	80.0	79.1	9
10	73.3	73.1	72.8	72.4	72.3	71.6	71.6	70.8	10
12	60.6	60.4	60.1	59.7	59.5	59.0	58.9	58.2	12
14	50.6	50.3	50.0	49.6	49.3	48.8	48.5	47.8	14
16	42.0	41.8	41.4	41.1	40.7	40.3	40.0	39.5	16
18	35.6	35.5	35.1	34.9	34.4	34.2	33.7	33.4	18
20	30.8	30.7	30.3	30.1	29.6	29.5	28.9	28.7	20
22	26.2	26.2	25.7	25.7	25.1	25.1	24.5	24.4	22
24	22.3m x	22.3m x	22.3m x	22.3m x	22.3m x	22.3m x	22.3m x	22.3m x	24
26	25.2t	25.1t	24.6t	24.6t	24.0t	24.0t	23.4t	23.3t	26

Unit: ton

Boom Length (m)	27								Boom Length (m)
Jib Length (m)	13		19		25		31		Jib Length (m)
Offset Angle (°)									Offset Angle (°)
Working Radius (m)	10	30	10	30	10	30	10	30	Working Radius (m)
6	6.6m x	6.6m x	6.6m x	6.6m x	6.6m x	6.6m x	6.6m x	6.6m x	6
7	108.0t	108.0t	108.0t	108.0t	108.0t	108.0t	108.0t	108.0t	7
8	105.2	104.8	104.7	104.0	104.1	103.2	103.5	102.2	8
9	92.0	91.6	91.5	90.9	90.9	90.1	90.3	89.2	9
10	81.6	81.3	81.1	80.6	80.5	79.8	79.9	78.9	10
12	73.2	72.9	72.7	72.2	72.1	71.5	71.5	70.6	12
14	60.4	60.2	59.9	59.6	59.4	58.9	58.8	58.1	14
16	50.5	50.2	49.9	49.5	49.2	48.7	48.5	47.8	16
18	41.9	41.7	41.3	41.0	40.7	40.3	39.9	39.4	18
20	35.5	35.4	35.0	34.8	34.4	34.1	33.7	33.3	20
22	30.7	30.6	30.2	30.0	29.6	29.3	28.9	28.6	22
24	26.9	26.8	26.3	26.2	25.8	25.6	25.1	24.9	24
26	23.8	23.7	23.3	23.2	22.7	22.6	22.1	22.0	26
28	24.9m x	24.9m x	24.9m x	24.9m x	24.9m x	24.9m x	24.9m x	24.9m x	28
	22.5t	22.5t	22.0t	22.0t	21.5t	21.4t	20.9t	20.8t	

- The rated loads are determined according to EN13000 rating on the condition that the machine is stationed on firm level ground.
- The figures surrounded by bold lines are based on factors other than those which would cause a tipping condition.
- Be sure to attach the hanger sheaves block to the top boom when boom length is 15m and 18m.
- Be sure to remove the hanger sheaves block from the top boom when boom length is 24m or more.
- To calculate the maximum load that can actually be lifted, deduct mass of all lifting accessories, such as hook, from figures shown above.
- Working radius is the horizontal distance from the swing center to the center of gravity of a lifted load.
- The counter weight is 83 ton. (Superstructure 67 ton + lower weight 16 ton)
- Figures described as OOm x OOt in the tables indicate "working radius" m x "rated load" ton.
- Correlation between the number of reeved lines, maximum rated loads, hook mass are shown in the table below.

Hook Capacity (t)	Hook Weight (t)	Maximum Rated Loads (t)									
		10 falls	9 falls	8 falls	7 falls	6 falls	5 falls	4 falls	3 falls	2 falls	1 fall
175	3.34	120	108	96	84	72	60	48	36	24	-
160	2.59	120	108	96	84	72	60	48	36	24	-
120	2.35	120	108	96	84	72	60	48	36	24	-
80	1.35	-	-	-	80	72	60	48	36	24	-
35	1.07	-	-	-	-	-	-	-	35	24	-
12	0.51	-	-	-	-	-	-	-	-	-	12

■ Main Boom with Crane Jib



Unit: ton									
Boom Length (m)	30								Boom Length (m)
Jib Length (m)	13		19		25		31		Jib Length (m)
Offset Angle (°)	10	30	10	30	10	30	10	30	Offset Angle (°)
Working Radius (m)	10	30	10	30	10	30	10	30	Working Radius (m)
6	7.1m x	7.1m x	7.1m x	7.1m x	7.1m x	7.1m x	7.1m x	7.1m x	6
7	96.0t	96.0t	96.0t	96.0t	96.0t	96.0t	96.0t	96.0t	7
8	91.9	91.6	91.4	90.8	90.9	90.0	90.3	89.1	8
9	81.5	81.2	81.0	80.5	80.5	79.7	79.9	78.9	9
10	73.1	72.8	72.6	72.2	72.1	71.4	71.5	70.6	10
12	60.3	60.1	59.9	59.5	59.3	58.8	58.8	58.1	12
14	50.5	50.2	49.9	49.5	49.3	48.7	48.6	47.8	14
16	41.9	41.7	41.3	41.0	40.7	40.3	40.0	39.4	16
18	35.5	35.4	35.0	34.7	34.4	34.0	33.7	33.3	18
20	30.7	30.5	30.1	30.0	29.6	29.3	28.9	28.6	20
22	26.8	26.7	26.3	26.2	25.8	25.6	25.1	24.9	22
24	23.7	23.7	23.2	23.1	22.7	22.5	22.1	21.9	24
26	21.2	21.1	20.7	20.6	20.2	20.1	19.6	19.4	26
28	27.5m x	27.5m x	27.5m x	27.5m x	27.5m x	27.5m x	27.5m x	27.5m x	28
30	19.5t	19.5t	19.1t	19.0t	18.5t	18.5t	18.0t	17.9t	30

Unit: ton									
Boom Length (m)	33								Boom Length (m)
Jib Length (m)	13		19		25		31		Jib Length (m)
Offset Angle (°)	10	30	10	30	10	30	10	30	Offset Angle (°)
Working Radius (m)	10	30	10	30	10	30	10	30	Working Radius (m)
6	7.6m x	7.6m x	7.6m x	7.6m x	7.6m x	7.6m x	7.6m x	7.6m x	6
7	84.0t	84.0t	84.0t	84.0t	84.0t	84.0t	84.0t	84.0t	7
8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	8
9	81.4	81.1	80.9	80.4	80.4	79.6	79.8	78.8	9
10	73.0	72.7	72.5	72.1	72.0	71.3	71.4	70.5	10
12	60.2	60.0	59.8	59.4	59.3	58.7	58.7	58.0	12
14	50.4	50.2	49.9	49.5	49.3	48.7	48.6	47.8	14
16	41.8	41.6	41.3	40.9	40.7	40.2	40.0	39.4	16
18	35.5	35.3	34.9	34.7	34.4	34.0	33.7	33.2	18
20	30.6	30.5	30.1	29.9	29.5	29.2	28.9	28.5	20
22	26.8	26.6	26.3	26.1	25.7	25.5	25.1	24.8	22
24	23.6	23.6	23.2	23.0	22.6	22.4	22.0	21.8	24
26	21.1	21.0	20.6	20.5	20.1	19.9	19.5	19.3	26
28	18.9	18.9	18.5	18.4	18.0	17.9	17.4	17.3	28
30	17.1	17.1	16.7	16.6	16.2	16.1	15.6	15.5	30
32	30.1m x	30.1m x	30.1m x	30.1m x	30.1m x	30.1m x	30.1m x	30.1m x	32
	17.0t	17.0t	16.6t	16.5t	16.1t	16.0t	15.5t	15.5t	

Unit: ton									
Boom Length (m)	36								Boom Length (m)
Jib Length (m)	13		19		25		31		Jib Length (m)
Offset Angle (°)	10	30	10	30	10	30	10	30	Offset Angle (°)
Working Radius (m)	10	30	10	30	10	30	10	30	Working Radius (m)
8.2	84.0	84.0	84.0	84.0	84.0	84.0	84.0	83.0	8.2
9	78.7	78.3	78.1	77.5	77.4	76.5	76.7	75.4	9
10	72.7	72.4	72.3	71.8	71.8	71.1	71.2	70.3	10
12	59.9	59.7	59.5	59.1	59.0	58.5	58.5	57.7	12
14	50.3	50.0	49.7	49.3	49.1	48.5	48.5	47.6	14
16	41.6	41.4	41.1	40.7	40.5	40.0	39.9	39.2	16
18	35.2	35.1	34.8	34.5	34.2	33.8	33.6	33.0	18
20	30.4	30.2	29.9	29.7	29.4	29.0	28.8	28.3	20
22	26.5	26.4	26.1	25.9	25.5	25.3	25.0	24.6	22
24	23.4	23.3	23.0	22.8	22.4	22.2	21.9	21.6	24
26	20.9	20.8	20.4	20.3	19.9	19.7	19.3	19.1	26
28	18.7	18.6	18.2	18.1	17.8	17.6	17.2	17.0	28
30	16.9	16.8	16.4	16.4	15.9	15.8	15.4	15.3	30
32	15.3	15.3	14.9	14.8	14.4	14.3	13.9	13.8	32
34	32.7m x	32.7m x	32.7m x	32.7m x	32.7m x	32.7m x	32.7m x	32.7m x	34
36	14.8t	14.8t	14.4t	14.3t	13.9t	13.9t	13.4t	13.3t	36

* For notes about the table above, refer to page 38.

■ Main Boom with Crane Jib



Unit: ton									
Boom Length (m)	39								Boom Length (m)
Jib Length (m)	13		19		25		31		Jib Length (m)
Offset Angle (°)	10	30	10	30	10	30	10	30	Offset Angle (°)
Working Radius (m)	10	30	10	30	10	30	10	30	Working Radius (m)
8	8.7m x 72.0t	8.7m x 72.0t	8.7m x 72.0t	8.7m x 72.0t	8.7m x 72.0t	8.7m x 72.0t	8.7m x 72.0t	8.7m x 72.0t	8
9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	9
10	70.4	70.1	69.8	69.3	69.2	68.4	68.5	67.3	10
12	58.2	57.9	57.6	57.1	57.0	56.3	56.3	55.4	12
14	49.2	49.0	48.7	48.3	48.1	47.5	47.4	46.7	14
16	41.6	41.3	41.1	40.7	40.5	40.0	39.9	39.2	16
18	35.2	35.0	34.7	34.4	34.2	33.7	33.6	33.0	18
20	30.3	30.2	29.8	29.6	29.3	29.0	28.7	28.3	20
22	26.5	26.3	26.0	25.8	25.5	25.2	24.9	24.5	22
24	23.4	23.2	22.9	22.7	22.4	22.1	21.8	21.5	24
26	20.8	20.7	20.3	20.2	19.8	19.6	19.3	19.0	26
28	18.6	18.5	18.2	18.1	17.7	17.5	17.2	16.9	28
30	16.8	16.7	16.3	16.2	15.9	15.7	15.3	15.2	30
32	15.2	15.1	14.8	14.7	14.3	14.2	13.8	13.7	32
34	13.8	13.8	13.4	13.4	12.9	12.9	12.4	12.4	34
36	35.3m x 13.0t	35.3m x 13.0t	35.3m x 12.6t	35.3m x 12.6t	35.3m x 12.2t	35.3m x 12.1t	35.3m x 11.7t	35.3m x 11.6t	36
38									38

Unit: ton									
Boom Length (m)	42								Boom Length (m)
Jib Length (m)	13		19		25		31		Jib Length (m)
Offset Angle (°)	10	30	10	30	10	30	10	30	Offset Angle (°)
Working Radius (m)	10	30	10	30	10	30	10	30	Working Radius (m)
8	9.2m x 72.0t	9.2m x 72.0t	9.2m x 72.0t	9.2m x 72.0t	9.2m x 72.0t	9.2m x 72.0t	9.2m x 72.0t	9.2m x 72.0t	8
9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	9
10	70.2	69.9	69.6	69.1	69.0	68.1	68.3	67.1	10
12	58.0	57.7	57.4	56.9	56.8	56.1	56.1	55.2	12
14	49.0	48.8	48.5	48.1	47.9	47.3	47.2	46.5	14
16	41.4	41.2	40.9	40.5	40.4	39.8	39.8	39.0	16
18	35.0	34.8	34.6	34.2	34.0	33.6	33.5	32.8	18
20	30.2	30.0	29.7	29.4	29.2	28.8	28.6	28.1	20
22	26.3	26.2	25.8	25.6	25.3	25.0	24.8	24.4	22
24	23.2	23.1	22.7	22.5	22.2	22.0	21.7	21.3	24
26	20.6	20.5	20.2	20.0	19.7	19.5	19.1	18.9	26
28	18.4	18.3	18.0	17.9	17.5	17.3	17.0	16.8	28
30	16.6	16.5	16.2	16.1	15.7	15.5	15.2	15.0	30
32	15.0	14.9	14.6	14.5	14.1	14.0	13.6	13.5	32
34	13.6	13.6	13.2	13.2	12.8	12.7	12.3	12.2	34
36	12.4	12.4	12.0	12.0	11.6	11.5	11.1	11.0	36
38	37.9m x 11.4t	37.9m x 11.4t	37.9m x 11.0t	37.9m x 11.0t	37.9m x 10.6t	37.9m x 10.6t	37.9m x 10.1t	37.9m x 10.1t	38
40									40

Unit: ton									
Boom Length (m)	45								Boom Length (m)
Jib Length (m)	13		19		25		31		Jib Length (m)
Offset Angle (°)	10	30	10	30	10	30	10	30	Offset Angle (°)
Working Radius (m)	10	30	10	30	10	30	10	30	Working Radius (m)
8	9.7m x 60.0t	9.7m x 60.0t	9.7m x 60.0t	9.7m x 60.0t	9.7m x 60.0t	9.7m x 60.0t	9.7m x 60.0t	9.7m x 60.0t	8
9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	9
10	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	10
12	57.6	57.3	57.1	56.6	56.5	55.8	55.8	54.8	12
14	48.7	48.5	48.2	47.8	47.6	47.0	47.0	46.2	14
16	41.3	41.1	40.8	40.4	40.3	39.7	39.7	38.9	16
18	34.9	34.7	34.4	34.1	33.9	33.5	33.4	32.7	18
20	30.0	29.9	29.6	29.3	29.1	28.7	28.5	28.0	20
22	26.2	26.0	25.7	25.5	25.2	24.9	24.7	24.2	22
24	23.0	22.9	22.6	22.4	22.1	21.8	21.6	21.2	24
26	20.4	20.3	20.0	19.8	19.5	19.3	19.0	18.7	26
28	18.3	18.2	17.8	17.7	17.4	17.2	16.9	16.6	28
30	16.4	16.3	16.0	15.9	15.5	15.4	15.1	14.8	30
32	14.8	14.8	14.4	14.3	14.0	13.8	13.5	13.3	32
34	13.5	13.4	13.0	13.0	12.6	12.5	12.1	12.0	34
36	12.2	12.2	11.8	11.8	11.4	11.3	10.9	10.8	36
38	11.2	11.1	10.8	10.7	10.3	10.3	9.9	9.8	38
40	10.2	10.2	9.8	9.8	9.4	9.4	9.0	8.9	40
42	40.5m x 10.0t	40.5m x 10.0t	40.5m x 9.6t	40.5m x 9.6t	40.5m x 9.2t	40.5m x 9.2t	40.5m x 8.7t	40.5m x 8.7t	42

* For notes about the table above, refer to page 38.

■ Main Boom with Crane Jib



Unit: ton

Boom Length (m)	48								Boom Length (m)
Jib Length (m)	13		19		25		31		Jib Length (m)
Offset Angle (°)	10	30	10	30	10	30	10	30	Offset Angle (°)
Working Radius (m)	10	30	10	30	10	30	10	30	Working Radius (m)
10.2	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	10.2
12	54.4	54.1	53.9	53.4	53.3	52.7	52.7	51.8	12
14	46.3	46.1	45.8	45.4	45.3	44.7	44.6	43.9	14
16	40.1	39.9	39.6	39.3	39.1	38.6	38.5	37.8	16
18	34.8	34.6	34.3	34.0	33.8	33.3	33.2	32.6	18
20	29.9	29.7	29.4	29.1	28.9	28.5	28.4	27.8	20
22	26.0	25.8	25.6	25.3	25.1	24.7	24.6	24.1	22
24	22.9	22.7	22.4	22.2	22.0	21.7	21.5	21.1	24
26	20.3	20.2	19.9	19.7	19.4	19.1	18.9	18.5	26
28	18.1	18.0	17.7	17.5	17.2	17.0	16.7	16.4	28
30	16.3	16.2	15.8	15.7	15.4	15.2	14.9	14.7	30
32	14.7	14.6	14.3	14.1	13.8	13.7	13.3	13.1	32
34	13.3	13.2	12.9	12.8	12.4	12.3	12.0	11.8	34
36	12.1	12.0	11.7	11.6	11.2	11.1	10.8	10.6	36
38	11.0	10.9	10.6	10.5	10.2	10.1	9.7	9.6	38
40	10.0	10.0	9.7	9.6	9.2	9.2	8.8	8.7	40
42	9.2	9.2	8.8	8.8	8.4	8.4	8.0	7.9	42
44	43.1m x	43.1m x	43.1m x	43.1m x	43.1m x	43.1m x	43.1m x	43.1m x	44
46	8.8t	8.7t	8.4t	8.4t	8.0t	8.0t	7.5t	7.5t	46

Unit: ton

Boom Length (m)	51								Boom Length (m)
Jib Length (m)	13		19		25		31		Jib Length (m)
Offset Angle (°)	10	30	10	30	10	30	10	30	Offset Angle (°)
Working Radius (m)	10.8m x	10.8m x	10.8m x	10.8m x	10.8m x	10.8m x	10.8m x	10.8m x	Working Radius (m)
10	48.0t	48.0t	48.0t	48.0t	48.0t	48.0t	48.0t	48.0t	10
12	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	12
14	46.0	45.8	45.5	45.1	45.0	44.4	44.4	43.6	14
16	39.8	39.6	39.3	39.0	38.8	38.3	38.2	37.5	16
18	34.7	34.5	34.2	33.9	33.7	33.3	33.2	32.5	18
20	29.8	29.6	29.4	29.1	28.9	28.5	28.3	27.8	20
22	25.9	25.8	25.5	25.2	25.0	24.7	24.5	24.0	22
24	22.8	22.6	22.4	22.1	21.9	21.6	21.4	21.0	24
26	20.2	20.1	19.8	19.6	19.3	19.1	18.8	18.5	26
28	18.0	17.9	17.6	17.4	17.2	16.9	16.7	16.4	28
30	16.2	16.1	15.8	15.6	15.3	15.1	14.8	14.6	30
32	14.6	14.5	14.2	14.0	13.7	13.5	13.3	13.0	32
34	13.2	13.1	12.8	12.7	12.3	12.2	11.9	11.7	34
36	12.0	11.9	11.6	11.5	11.1	11.0	10.7	10.5	36
38	10.9	10.8	10.5	10.4	10.1	10.0	9.6	9.5	38
40	9.9	9.9	9.5	9.5	9.1	9.0	8.7	8.6	40
42	9.1	9.0	8.7	8.6	8.3	8.2	7.8	7.7	42
44	8.3	8.3	7.9	7.9	7.5	7.5	7.1	7.0	44
46	45.7m x	45.7m x	45.7m x	45.7m x	45.7m x	45.7m x	45.7m x	45.7m x	46
48	7.7t	7.7t	7.3t	7.3t	6.9t	6.9t	6.5t	6.5t	48

* For notes about the table above, refer to page 38.

■ Main Boom with Crane Jib



54									Unit: ton
Boom Length (m)	54								Boom Length (m)
Jib Length (m)	13		19		25		31		Jib Length (m)
Offset Angle (°)	10	30	10	30	10	30	10	30	Offset Angle (°)
Working Radius (m)	10	30	10	30	10	30	10	30	Working Radius (m)
10	11.3m x 48.0t	11.3m x 48.0t	11.3m x 48.0t	11.3m x 48.0t	11.3m x 48.0t	11.3m x 48.0t	11.3m x 48.0t	11.3m x 48.0t	10
12	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	12
14	45.8	45.5	45.2	44.8	44.7	44.1	44.1	43.3	14
16	39.5	39.3	39.0	38.7	38.5	38.0	37.9	37.2	16
18	34.5	34.3	34.0	33.7	33.6	33.0	33.0	32.3	18
20	29.6	29.4	29.1	28.8	28.7	28.2	28.2	27.6	20
22	25.7	25.5	25.3	25.0	24.8	24.4	24.3	23.8	22
24	22.6	22.4	22.1	21.9	21.7	21.4	21.2	20.8	24
26	20.0	19.8	19.5	19.4	19.1	18.8	18.6	18.2	26
28	17.8	17.7	17.4	17.2	16.9	16.7	16.5	16.1	28
30	15.9	15.8	15.5	15.4	15.1	14.9	14.6	14.3	30
32	14.3	14.2	13.9	13.8	13.5	13.3	13.0	12.8	32
34	12.9	12.8	12.5	12.4	12.1	11.9	11.7	11.4	34
36	11.7	11.6	11.3	11.2	10.9	10.8	10.4	10.3	36
38	10.6	10.6	10.2	10.2	9.8	9.7	9.4	9.2	38
40	9.7	9.6	9.3	9.2	8.9	8.8	8.4	8.3	40
42	8.8	8.8	8.4	8.4	8.0	7.9	7.6	7.5	42
44	8.0	8.0	7.7	7.6	7.3	7.2	6.8	6.7	44
46	7.3	7.3	7.0	6.9	6.6	6.5	6.1	6.1	46
48	6.7	6.7	6.3	6.3	6.0	5.9	5.5	5.5	48
50	48.3m x 6.6t	48.3m x 6.6t	48.3m x 6.3t	48.3m x 6.2t	48.3m x 5.9t	48.3m x 5.8t	48.3m x 5.5t	48.3m x 5.4t	50
52									52

57									Unit: ton
Boom Length (m)	57								Boom Length (m)
Jib Length (m)	13		19		25		31		Jib Length (m)
Offset Angle (°)	10	30	10	30	10	30	10	30	Offset Angle (°)
Working Radius (m)	10	30	10	30	10	30	10	30	Working Radius (m)
10	11.8m x 48.0t	11.8m x 48.0t	11.8m x 48.0t	11.8m x 48.0t	11.8m x 48.0t	11.8m x 48.0t	11.8m x 48.0t	11.8m x 48.0t	10
12	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	12
14	43.5	43.3	43.1	42.7	42.5	42.0	42.0	41.2	14
16	37.8	37.6	37.3	37.0	36.8	36.3	36.2	35.6	16
18	34.3	34.1	33.9	33.5	33.4	32.9	32.8	32.2	18
20	29.4	29.2	29.0	28.7	28.5	28.1	28.0	27.4	20
22	25.5	25.4	25.1	24.8	24.6	24.3	24.2	23.6	22
24	22.4	22.2	22.0	21.7	21.5	21.2	21.0	20.6	24
26	19.8	19.6	19.4	19.2	18.9	18.6	18.5	18.1	26
28	17.6	17.5	17.2	17.0	16.8	16.5	16.3	16.0	28
30	15.7	15.6	15.3	15.2	14.9	14.7	14.5	14.2	30
32	14.1	14.0	13.7	13.6	13.3	13.1	12.9	12.6	32
34	12.7	12.7	12.4	12.2	11.9	11.8	11.5	11.3	34
36	11.5	11.4	11.1	11.0	10.7	10.6	10.3	10.1	36
38	10.4	10.4	10.1	10.0	9.6	9.5	9.2	9.0	38
40	9.5	9.4	9.1	9.0	8.7	8.6	8.3	8.1	40
42	8.6	8.6	8.2	8.2	7.8	7.7	7.4	7.3	42
44	7.8	7.8	7.5	7.4	7.1	7.0	6.6	6.5	44
46	7.1	7.1	6.8	6.7	6.4	6.3	6.0	5.9	46
48	6.5	6.5	6.2	6.1	5.8	5.7	5.3	5.3	48
50	5.9	5.9	5.6	5.6	5.2	5.2	4.8	4.7	50
52	50.9m x 5.7t	50.9m x 5.7t	50.9m x 5.3t	50.9m x 5.3t	50.9m x 5.0t	50.9m x 4.9t	50.9m x 4.6t	50.9m x 4.5t	52

* For notes about the table above, refer to page 38.

■ Main Boom with Crane Jib



Unit: ton									
Boom Length (m)	60								Boom Length (m)
Jib Length (m)	13		19		25		31		Jib Length (m)
Offset Angle (°)	10	30	10	30	10	30	10	30	Offset Angle (°)
Working Radius (m)									Working Radius (m)
12.3	47.2	47.1	46.6	46.4	46.0	45.7	45.2	44.8	12.3
14	43.3	43.0	42.8	42.4	42.3	41.7	41.7	40.9	14
16	37.5	37.3	37.1	36.7	36.6	36.1	36.0	35.3	16
18	33.0	32.8	32.5	32.2	32.0	31.5	31.4	30.8	18
20	29.2	29.0	28.7	28.5	28.2	27.8	27.7	27.2	20
22	25.3	25.2	24.9	24.6	24.5	24.1	24.0	23.5	22
24	22.2	22.0	21.8	21.5	21.3	21.0	20.9	20.4	24
26	19.6	19.4	19.2	19.0	18.7	18.4	18.3	17.9	26
28	17.4	17.3	17.0	16.8	16.6	16.3	16.1	15.8	28
30	15.5	15.4	15.1	15.0	14.7	14.5	14.3	14.0	30
32	13.9	13.8	13.5	13.4	13.1	12.9	12.7	12.4	32
34	12.5	12.4	12.2	12.0	11.7	11.6	11.3	11.1	34
36	11.3	11.2	10.9	10.8	10.5	10.4	10.1	9.9	36
38	10.2	10.2	9.9	9.8	9.4	9.3	9.0	8.8	38
40	9.3	9.2	8.9	8.8	8.5	8.4	8.1	7.9	40
42	8.4	8.3	8.0	8.0	7.6	7.5	7.2	7.1	42
44	7.6	7.6	7.3	7.2	6.9	6.8	6.4	6.3	44
46	6.9	6.9	6.6	6.5	6.2	6.1	5.8	5.7	46
48	6.3	6.3	5.9	5.9	5.6	5.5	5.1	5.1	48
50	5.7	5.7	5.4	5.3	5.0	4.9	4.6	4.5	50
52	5.2	5.2	4.8	4.8	4.5	4.4	4.1	4.0	52
54	53.5m x	53.5m x	53.5m x	53.5m x	53.5m x	53.5m x	53.5m x	53.5m x	54
56	4.8t	4.8t	4.5t	4.5t	4.1t	4.1t	3.7t	3.7t	56

Unit: ton									
Boom Length (m)	63								Boom Length (m)
Jib Length (m)	13		19		25		31		Jib Length (m)
Offset Angle (°)	10	30	10	30	10	30	10	30	Offset Angle (°)
Working Radius (m)									Working Radius (m)
12	12.8m x	12.8m x	12.8m x	12.8m x	12.8m x	12.8m x	12.8m x	12.8m x	12
14	36.0t	36.0t	36.0t	36.0t	36.0t	36.0t	36.0t	36.0t	14
16	36.0	36.0	36.0	36.0	36.0	35.7	35.6	34.9	16
18	32.6	32.4	32.1	31.8	31.6	31.2	31.1	30.5	18
20	28.8	28.6	28.4	28.1	27.9	27.5	27.3	26.8	20
22	25.2	25.1	24.8	24.6	24.4	24.0	23.9	23.4	22
24	22.1	21.9	21.7	21.4	21.3	20.9	20.8	20.3	24
26	19.5	19.3	19.1	18.9	18.7	18.3	18.2	17.8	26
28	17.3	17.2	16.9	16.7	16.5	16.2	16.0	15.7	28
30	15.4	15.3	15.0	14.9	14.6	14.4	14.2	13.8	30
32	13.8	13.7	13.4	13.3	13.0	12.8	12.6	12.3	32
34	12.4	12.3	12.0	11.9	11.6	11.4	11.2	10.9	34
36	11.2	11.1	10.8	10.7	10.4	10.2	10.0	9.7	36
38	10.1	10.0	9.7	9.6	9.3	9.2	8.9	8.7	38
40	9.1	9.1	8.8	8.7	8.4	8.2	7.9	7.8	40
42	8.3	8.2	7.9	7.8	7.5	7.4	7.1	6.9	42
44	7.5	7.4	7.1	7.0	6.7	6.6	6.3	6.2	44
46	6.8	6.7	6.4	6.3	6.0	5.9	5.6	5.5	46
48	6.1	6.1	5.8	5.7	5.4	5.3	5.0	4.9	48
50	5.5	5.5	5.2	5.1	4.8	4.7	4.4	4.3	50
52	5.0	5.0	4.7	4.6	4.3	4.2	3.9	3.8	52
54	4.5	4.5	4.2	4.1	3.8	3.8	3.4	3.4	54
56	4.1	4.1	3.7	3.7	3.4	3.3	3.0	2.9	56
58	56.1m x	56.1m x	56.1m x	56.1m x	56.1m x	56.1m x	56.1m x	56.1m x	58
60	4.1t	4.0t	3.7t	3.7t	3.3t	3.3t	3.0t	2.9t	60

* For notes about the table above, refer to page 38.

■ Main Boom with Crane Jib



Boom Length (m)		66								Boom Length (m)	
Jib Length (m)		13		19		25		31		Jib Length (m)	
Offset Angle (°)		10		30		10		30		Offset Angle (°)	
Working Radius (m)		10		30		10		30		Working Radius (m)	
12	13.4m x 36.0t	13.4m x 36.0t	13.4m x 36.0t	13.4m x 36.0t	13.4m x 36.0t	13.4m x 36.0t	13.4m x 35.9t	13.4m x 35.5t	13.4m x 35.2t	12	
14	36.0	36.0	36.0	36.0	36.0	35.5	35.3	34.9	34.6	14	
16	34.5	34.5	34.0	34.0	33.5	33.4	32.9	32.7	32.7	16	
18	32.3	32.1	31.9	31.5	31.4	30.9	30.8	30.2	30.2	18	
20	28.6	28.4	28.1	27.8	27.6	27.2	27.1	26.6	26.6	20	
22	25.1	24.9	24.7	24.4	24.2	23.8	23.7	23.2	23.2	22	
24	21.9	21.7	21.5	21.3	21.1	20.7	20.6	20.1	20.1	24	
26	19.3	19.2	18.9	18.7	18.5	18.2	18.0	17.6	17.6	26	
28	17.1	17.0	16.7	16.5	16.3	16.0	15.9	15.5	15.5	28	
30	15.2	15.1	14.9	14.7	14.4	14.2	14.0	13.7	13.7	30	
32	13.6	13.5	13.3	13.1	12.8	12.6	12.4	12.1	12.1	32	
34	12.2	12.1	11.9	11.7	11.5	11.2	11.0	10.7	10.7	34	
36	11.0	10.9	10.6	10.5	10.2	10.0	9.8	9.6	9.6	36	
38	9.9	9.8	9.5	9.4	9.1	9.0	8.7	8.5	8.5	38	
40	8.9	8.9	8.6	8.5	8.2	8.0	7.8	7.6	7.6	40	
42	8.1	8.0	7.7	7.6	7.3	7.2	6.9	6.7	6.7	42	
44	7.3	7.2	6.9	6.8	6.5	6.4	6.1	6.0	6.0	44	
46	6.6	6.5	6.2	6.1	5.8	5.7	5.4	5.3	5.3	46	
48	5.9	5.9	5.6	5.5	5.2	5.1	4.8	4.7	4.7	48	
50	5.3	5.3	5.0	4.9	4.6	4.5	4.2	4.1	4.1	50	
52	4.8	4.8	4.5	4.4	4.1	4.0	3.7	3.6	3.6	52	
54	4.3	4.3	4.0	3.9	3.6	3.6	3.2	3.1	3.1	54	
56	3.9	3.8	3.5	3.5	3.2	3.1	2.8	2.7	2.7	56	
58	3.5	3.4	3.1	3.1	2.8	2.7	2.4	2.3	2.3	58	
60	58.7m x 3.3t	58.7m x 3.3t	58.7m x 3.0t	58.7m x 3.0t	58.7m x 2.6t	58.7m x 2.6t	58.7m x 2.2t	58.7m x 2.2t	58.7m x 2.2t	60	
62										62	

Boom Length (m)		69								Boom Length (m)	
Jib Length (m)		13		19		25		31		Jib Length (m)	
Offset Angle (°)		10		30		10		30		Offset Angle (°)	
Working Radius (m)		10		30		10		30		Working Radius (m)	
12	13.9m x 33.4t	13.9m x 33.3t	13.9m x 32.8t	13.9m x 32.7t	13.9m x 32.3t	13.9m x 32.0t	13.9m x 31.7t	13.9m x 31.3t	12		
14	33.3	33.2	32.8	32.6	32.2	32.0	31.6	31.2	14		
16	31.4	31.3	30.9	30.8	30.4	30.2	29.8	29.6	16		
18	29.5	29.5	29.1	29.0	28.6	28.5	28.0	27.9	18		
20	27.5	27.3	27.0	26.7	26.5	26.1	26.0	25.5	20		
22	24.5	24.3	24.1	23.8	23.6	23.2	23.1	22.6	22		
24	21.7	21.6	21.3	21.1	20.9	20.5	20.4	19.9	24		
26	19.1	19.0	18.7	18.5	18.3	18.0	17.8	17.4	26		
28	16.9	16.8	16.5	16.3	16.1	15.8	15.7	15.3	28		
30	15.0	14.9	14.7	14.5	14.3	14.0	13.8	13.5	30		
32	13.4	13.3	13.1	12.9	12.6	12.4	12.2	11.9	32		
34	12.0	11.9	11.7	11.5	11.3	11.0	10.8	10.5	34		
36	10.8	10.7	10.4	10.3	10.0	9.8	9.6	9.4	36		
38	9.7	9.6	9.3	9.2	8.9	8.8	8.5	8.3	38		
40	8.7	8.7	8.4	8.3	8.0	7.8	7.6	7.4	40		
42	7.9	7.8	7.5	7.4	7.1	7.0	6.7	6.5	42		
44	7.1	7.0	6.7	6.6	6.3	6.2	5.9	5.8	44		
46	6.4	6.3	6.0	5.9	5.6	5.5	5.2	5.1	46		
48	5.7	5.7	5.4	5.3	5.0	4.9	4.6	4.5	48		
50	5.1	5.1	4.8	4.7	4.4	4.3	4.0	3.9	50		
52	4.6	4.6	4.3	4.2	3.9	3.8	3.5	3.4	52		
54	4.1	4.1	3.8	3.7	3.4	3.3	3.0	2.9	54		
56	3.7	3.6	3.3	3.3	2.9	2.9	2.6	2.5	56		
58	3.2	3.2	2.9	2.9	2.5	2.5	2.2	2.1	58		
60	2.9	2.8	2.5	2.5	2.2	2.1	59.6m x 1.9t	59.4m x 1.9t	60		
62	61.3m x 2.6t	61.3m x 2.6t	61.3m x 2.3t	61.3m x 2.3t	61.3m x 1.9t	61.3m x 1.9t			62		

* For notes about the table above, refer to page 38.

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■ Main Boom with Crane Jib



72									Unit: ton
Boom Length (m)	72								Boom Length (m)
Jib Length (m)	13		19		25		31		Jib Length (m)
Offset Angle (°)	10	30	10	30	10	30	10	30	Offset Angle (°)
Working Radius (m)	10	30	10	30	10	30	10	30	Working Radius (m)
14.4	29.7	29.6	29.2	29.1	28.7	28.5	28.1	27.8	14.4
16	28.4	28.3	27.9	27.8	27.4	27.2	26.8	26.5	16
18	26.7	26.6	26.2	26.2	25.7	25.6	25.2	25.0	18
20	25.0	24.9	24.5	24.5	24.1	24.0	23.6	23.5	20
22	23.3	23.3	22.9	22.9	22.5	22.5	22.0	22.0	22
24	21.5	21.3	21.1	20.8	20.7	20.3	20.2	19.7	24
26	18.9	18.7	18.5	18.3	18.1	17.7	17.6	17.2	26
28	16.7	16.5	16.3	16.1	15.9	15.6	15.4	15.0	28
30	14.8	14.7	14.4	14.2	14.0	13.8	13.6	13.2	30
32	13.2	13.1	12.8	12.6	12.4	12.2	12.0	11.7	32
34	11.8	11.7	11.4	11.3	11.0	10.8	10.6	10.3	34
36	10.5	10.5	10.2	10.0	9.8	9.6	9.4	9.1	36
38	9.5	9.4	9.1	9.0	8.7	8.5	8.3	8.1	38
40	8.5	8.4	8.1	8.0	7.7	7.6	7.3	7.1	40
42	7.6	7.5	7.3	7.1	6.9	6.7	6.5	6.3	42
44	6.8	6.8	6.5	6.4	6.1	6.0	5.7	5.5	44
46	6.1	6.1	5.8	5.7	5.4	5.3	5.0	4.8	46
48	5.5	5.4	5.1	5.0	4.7	4.6	4.3	4.2	48
50	4.9	4.8	4.5	4.5	4.2	4.1	3.8	3.6	50
52	4.3	4.3	4.0	3.9	3.6	3.5	3.2	3.1	52
54	3.8	3.8	3.5	3.4	3.1	3.1	2.7	2.7	54
56	3.4	3.4	3.1	3.0	2.7	2.6	2.3	2.2	56
58	3.0	2.9	2.6	2.6	2.3	2.2	1.9	57.8m x 1.9t	58
60	2.6	2.6	2.2	2.2	1.9	1.9	58.2m x 1.9t		60
62	2.2	2.2	1.9	1.9	60.2m x 1.9t				62
64	63.9m x 1.9t	63.9m x 1.9t	62.2m x 1.9t	62.1m x 1.9t					64
66									66

75									Unit: ton
Boom Length (m)	75								Boom Length (m)
Jib Length (m)	13		19		25		31		Jib Length (m)
Offset Angle (°)	10	30	10	30	10	30	10	30	Offset Angle (°)
Working Radius (m)	10	30	10	30	10	30	10	30	Working Radius (m)
14	14.9m x 26.5t	14.9m x 26.4t	14.9m x 26.1t	14.9m x 25.9t	14.9m x 25.5t	14.9m x 25.3t	14.9m x 24.9t	14.9m x 24.6t	14
16	25.7	25.6	25.2	25.1	24.7	24.5	24.1	23.8	16
18	24.1	24.1	23.7	23.6	23.2	23.1	22.7	22.5	18
20	22.6	22.5	22.1	22.1	21.7	21.6	21.2	21.1	20
22	21.0	21.0	20.7	20.6	20.2	20.2	19.8	19.7	22
24	19.6	19.6	19.2	19.2	18.8	18.8	18.4	18.4	24
26	18.2	18.2	17.8	17.9	17.5	17.5	17.1	17.0	26
28	16.5	16.3	16.1	15.9	15.7	15.4	15.3	14.9	28
30	14.6	14.5	14.2	14.0	13.8	13.6	13.4	13.0	30
32	13.0	12.9	12.6	12.4	12.2	12.0	11.8	11.5	32
34	11.6	11.5	11.2	11.1	10.8	10.6	10.4	10.1	34
36	10.4	10.3	10.0	9.8	9.6	9.4	9.2	8.9	36
38	9.3	9.2	8.9	8.8	8.5	8.3	8.1	7.9	38
40	8.3	8.2	7.9	7.8	7.5	7.4	7.1	6.9	40
42	7.4	7.3	7.1	6.9	6.7	6.5	6.3	6.1	42
44	6.6	6.6	6.3	6.2	5.9	5.8	5.5	5.3	44
46	5.9	5.8	5.6	5.5	5.2	5.1	4.8	4.6	46
48	5.3	5.2	4.9	4.8	4.5	4.4	4.2	4.0	48
50	4.7	4.6	4.3	4.3	4.0	3.9	3.6	3.4	50
52	4.1	4.1	3.8	3.7	3.4	3.3	3.0	2.9	52
54	3.6	3.6	3.3	3.2	2.9	2.9	2.6	2.4	54
56	3.2	3.1	2.8	2.8	2.5	2.4	2.1	2.0	56
58	2.8	2.7	2.4	2.4	2.1	2.0	57.2m x 1.9t	56.8m x 1.9t	58
60	2.4	2.3	2.0	2.0	59.1m x 1.9t	58.8m x 1.9t			60
62	2.0	2.0	61.0m x 1.9t	60.8m x 1.9t					62
64	62.9m x 1.9t	62.8m x 1.9t							64
66									66

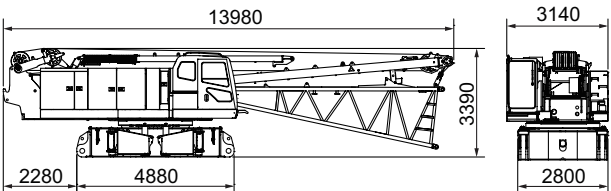
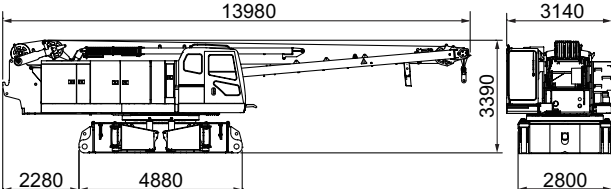
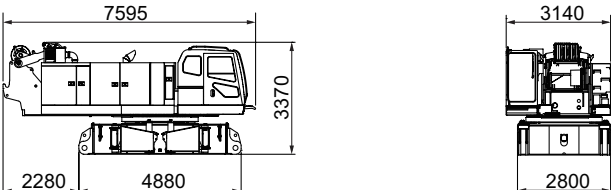
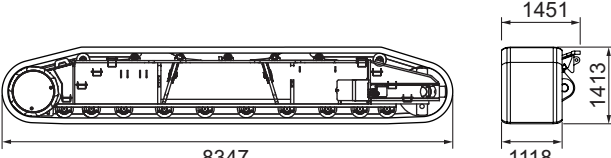
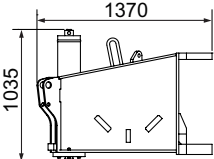
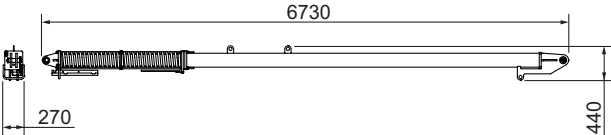
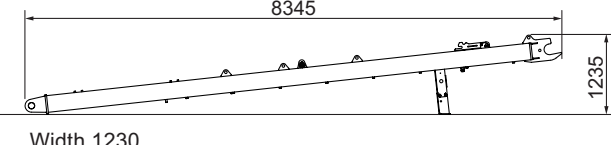
* For notes about the table above, refer to page 38.

Weights and Dimensions of Disassembled Units

Weights and Dimensions List

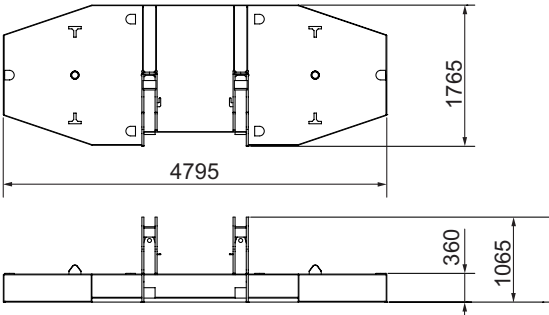
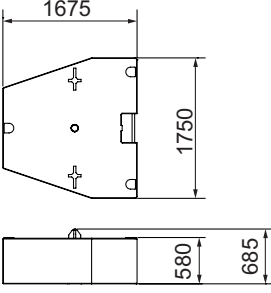
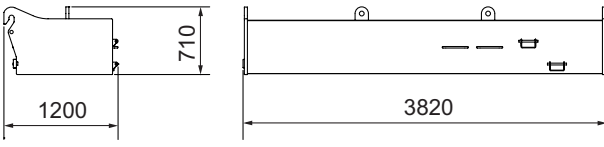
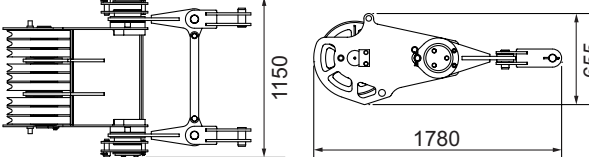
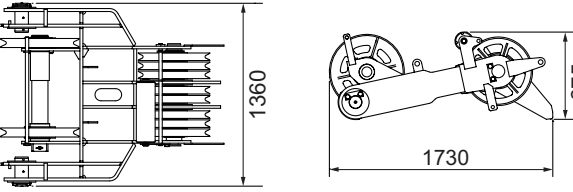
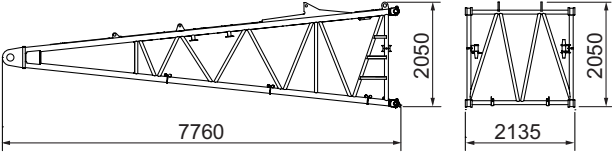
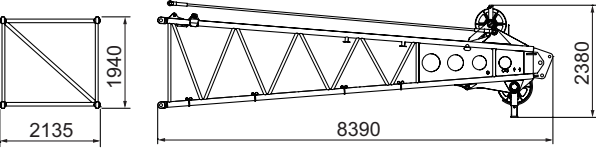
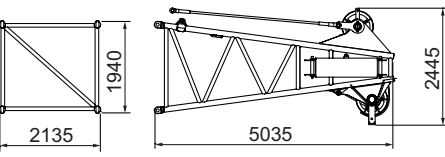
Comply with the regulations when transporting.
"Weight" refers to the mass of each single unit.

Weights and Dimensions of Disassembled Units

Description	Qty	Dimensions (mm)	Weight (kg)
Base Crane with: Backstop Boom Base Mast Front Winch Wire Rope Jacks Upper & Lower Spreader Floats	1		38300
Base Crane with: Backstop Mast Front Winch Wire Rope Jacks Upper & Lower Spreader Floats	1		36100
Base Crane with: Jacks Upper & Lower Spreader Floats Without: Backstop Boom Base Mast Front Winch Wire Rope	1		32400
Crawler (Assembly) (Lower Roller : 10 Pieces)	2		18900
Jack Beams	4	 <p>Width 330</p>	430
Boom Backstop	2		460
Mast	1	 <p>Width 1230</p>	1700

- With upper house handrails, the weight of the main unit increases by 105 kg.
- With catwalks, the weight of the main unit increases by 195 kg and the width of the main unit increases by 210 mm.

Weights and Dimensions of Disassembled Units

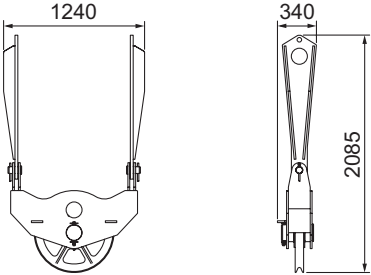
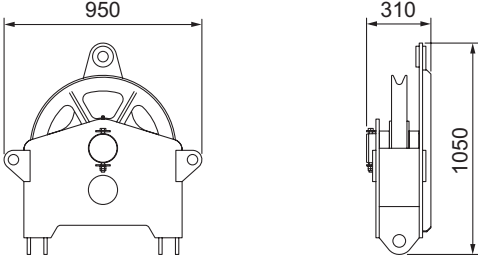
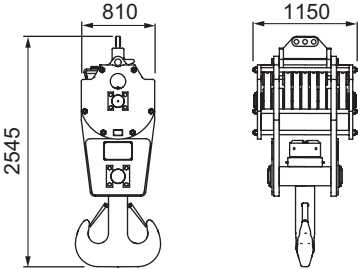
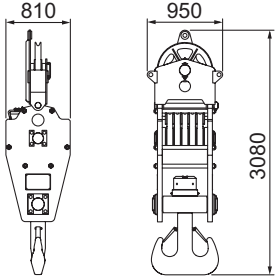
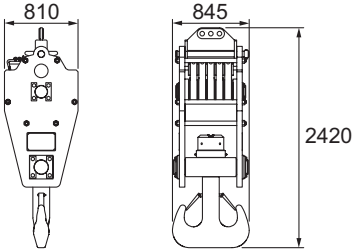
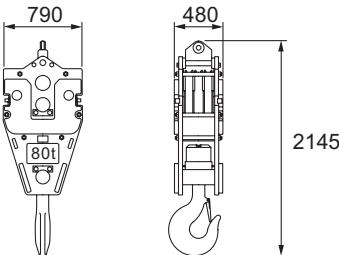
Description	Qty	Dimensions (mm)	Weight (kg)
Counter Weight (Base)	1		12000
Counter Weight	8		6880
Lower Weight	2		8000
Upper Spreader	1		860
Lower Spreader	1		930
Boom Base	1		2200
Boom Top	1		2600
175 t Boom Top	1		3800

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Weights and Dimensions of Disassembled Units

Description	Qty	Dimensions (mm)	Weight (kg)
3 m Boom Insert	1		600
6 m Boom Insert	1		1000
9 m Boom Insert	1		1300
Jib Base (With Jib Strut)	1		580
Jib Top	1		290
3 m Jib Insert	1		120
6 m Jib Insert	1		190
Aux. Sheave	1		350
Aux. Sheave (2 Sheaves)	1		450

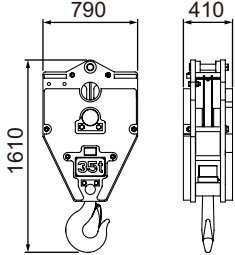
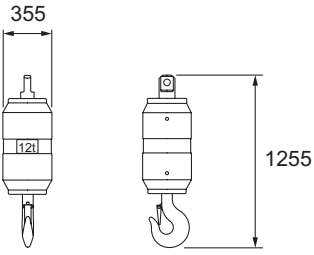
Weights and Dimensions of Disassembled Units

Description	Qty	Dimensions (mm)		Weight (kg)
Boom Top Side Spreader	1			430
Hook Side Spreader	1			240
175 t Hook	1			3340
160 t Hook (120 t Hook + Hook Side Spreader)	1			2590
120 t Hook	1			2350
80 t Hook	1			1350

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Weights and Dimensions of Disassembled Units

Description	Qty	Dimensions (mm)	Weight (kg)
35 t Hook	1		1070
12 t Hook	1		510

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Area with horizontal dashed lines for writing.

- We are constantly improving our products and therefore reserve the right to change designs and specifications without notice.
- Units in this specification are shown under International System of Units; the figures in parenthesis are under Gravitational System of Units as old one.

Sumitomo Heavy Industries Construction Cranes Co., Ltd.

9-3, Higashi-Ueno 6-chome, Taito-ku, Tokyo 110-0015, Japan
Phone: 81-3-3845-1387 Facsimile: 81-3-3845-1394

<http://www.hsc-cranes.com>