

**SCX1800A-3**  
Stage V

# **SCX** **1800A-3**

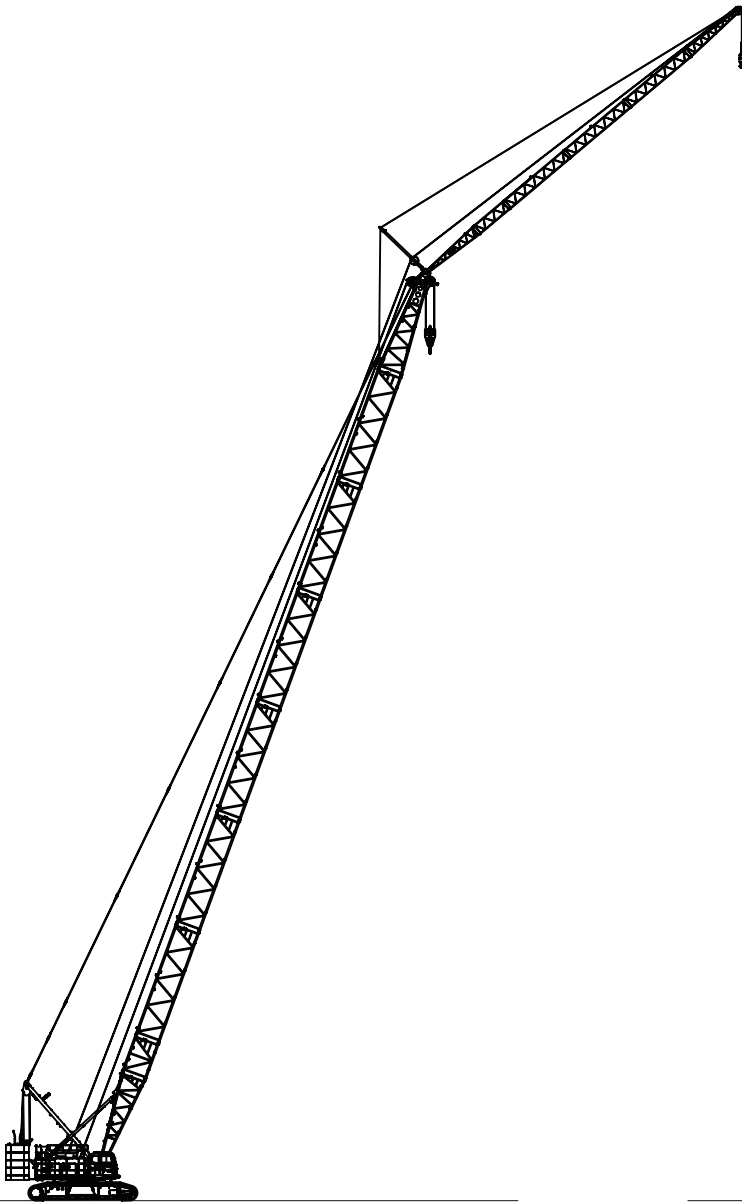
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**HYDRAULIC CRAWLER CRANE**

**Hoist Rope 28mm**

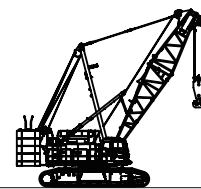






**Crane Specification  
(Boom Longest Length with Crane Jib)**

Boom Length (With/Without Skywalk)	m	24 to 72
Crane Jib Length (With/Without Skywalk)	m	13 to 31
Boom + Crane Jib Longest Length (With/Without Skywalk)	m	72 + 31
Ground Contact Pressure (With/Without Skywalk)	kPa (kgf/cm <sup>2</sup> )	110 (1.12) (Boom + crane jib longest length 35 t + 13.5 t hook attached)
Overall Operating Weight (With/Without Skywalk)	t	Approximately 180 (Boom + crane jib longest length 35 t + 13.5 t hook attached)



**Crane Specification  
(HD Boom Length)**

Boom Length (Without Skywalk)	m	12
Ground Contact Pressure (Without Skywalk)	kPa (kgf/cm <sup>2</sup> )	104 (1.07) (12 m HD Boom longest length with 175 t hook)
Overall Operating Weight (Without Skywalk)	t	Approximately 171 (12 m HD Boom longest length with 175 t hook)

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# Specifications



## Engine

Model	Cummins B6.7 (Stage V)
Type	4-cycle, Water-cooled, Direct injection, Turbo-charged, Diesel engine
Displacement	6.7 liters
Rated Output	209 kW / 2,000 min <sup>-1</sup> (284 ps / 2,000 rpm)
Fuel Tank Capacity	457 liters
Notes	Compliant with the engine emissions regulations for EU stage V. 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 options.
Display Panel Design	12.1 inches size touch panel. 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	28 mm	28 mm	
Rope Length	Standard	290 m	225 m for Aux. sheave
		-	225 m for Crane jib
Line Pull	Winding Capacity	294 m	294 m
		Rated	132 kN
Standard Equipment	Free fall winch with brake controlled by pedal operation. High-speed winching is possible by ECO winch mode with low engine speed under light loads.		
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.



## Mast

Mast is box structure. Easy assemble for front attachment.



## 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.

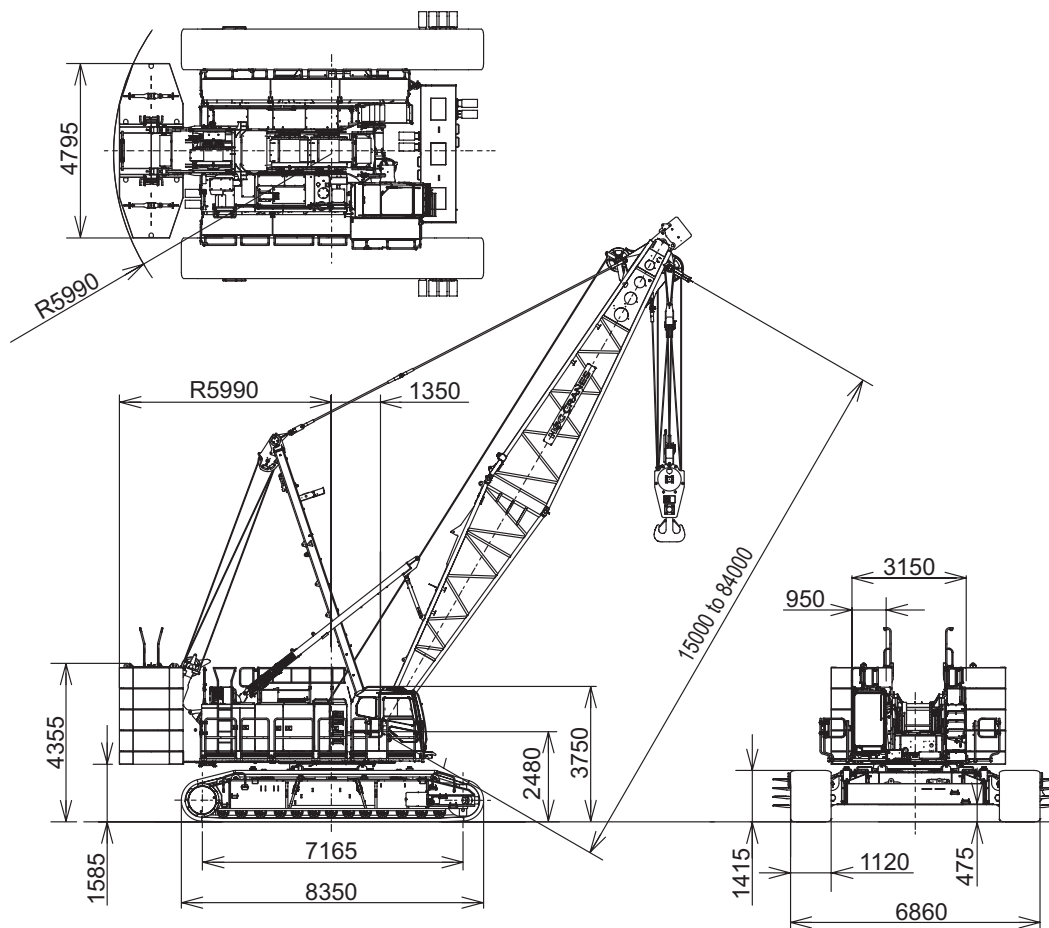


## Crawler Sideframe

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. 1 piece each side.	
Travel Device	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	72 + 31
Ground Contact Pressure (Standard Boom)	kPa (kgf/cm <sup>2</sup> )	104 (1.06) (w / Standard Boom, 160 t Hook)
Ground Contact Pressure (HD Boom)	kPa (kgf/cm <sup>2</sup> )	104 (1.07) (w / HD Boom, 175 t Hook)
Overall Operating Weight (Standard Boom)	t	Approximately 170 (w / Standard Boom, 160 t Hook)
Overall Operating Weight (HD Boom)	t	Approximately 171 (w / HD Boom, 175 t Hook)

### Hook Weight

175 t	3,340 kg
160 t	2,590 kg
135 t	2,350 kg
80 t	1,350 kg
35 t	1,070 kg
13.5 t	620 kg

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

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

# Boom and Crane Jib Configurations

Boom (1/3)	
Boom Length (m)	Boom Configurations
12	
15	
18	
21	
24	
27	
30	
33	
36	
39	

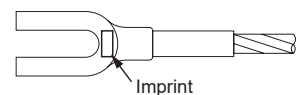
Boom (2/3)	
Boom Length (m)	Boom Configurations
42	
45	
48	
51	
54	
57	
60	
63	

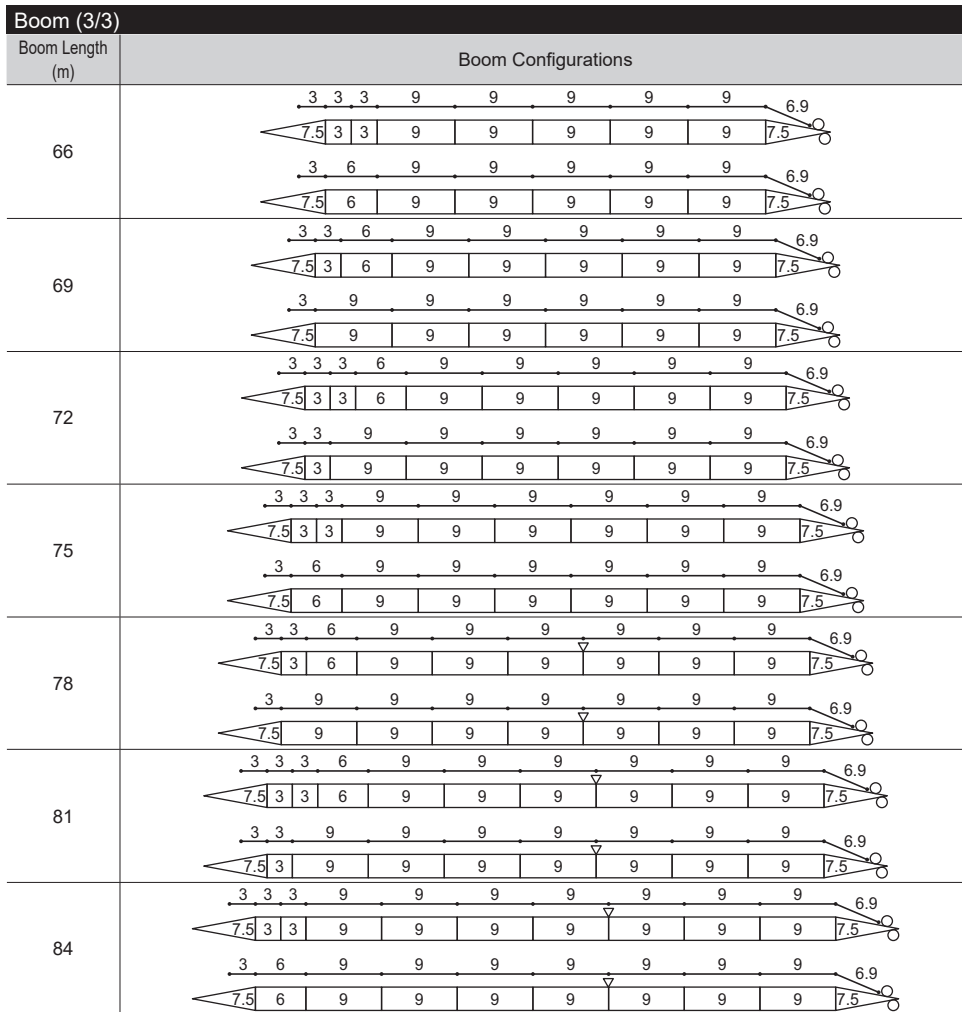
Aux. Sheave Installable Boom Length																									
Boom Length (m)	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72	75	78	81	84
With Aux. Sheave (1 Fall)	×	×	×	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	×	×
With Aux. Sheave (2 Falls)	×	×	×	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	×	×	×	×	×	×

(○: Attachable ×: Not Attachable)

Check the pendant rope with referring to the imprints on the rope end.

Dimensions Not Shown In The Figure		Pendant Rope			
Symbols	Boom Length (m)	Symbols	Length (m)	Rope Diameter (mm)	Imprint
3	3	3	3	40	□ • △ • 40 • 3 • C
4.5	4.5	3.5	3.5	40	□ • △ • 40 • 3.5 • C
6	6	6	6	40	□ • △ • 40 • 6 • C
7.5	7.5	6.9	6.9	40	□ • △ • 40 • 6.9 • C
9	9	9	9	40	□ • △ • 40 • 9 • C





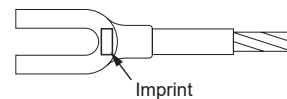
▽ indicates the midpoint pendant rope connection position.

Aux. Sheave Installable Boom Length																									
Boom Length (m)	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72	75	78	81	84
With Aux. Sheave (1 Fall)	×	×	×	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	×	×
With Aux. Sheave (2 Falls)	×	×	×	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	×	×	×	×	×	×

( ○ : Attachable × : Not Attachable )

Check the pendant rope with referring to the imprints on the rope end.

Dimensions Not Shown In The Figure		Pendant Rope			
Symbols	Boom Length (m)	Symbols	Length (m)	Rope Diameter (mm)	Imprint
3	3	3	3	40	□ · △ · 40 · 3 · C
4.5	4.5	3.5	3.5	40	□ · △ · 40 · 3.5 · C
6	6	6	6	40	□ · △ · 40 · 6 · C
7.5	7.5	6.9	6.9	40	□ · △ · 40 · 6.9 · C
9	9	9	9	40	□ · △ · 40 · 9 · C



The maximum boom length that can be raised up depends on whether you have a skywalk or not.

	W/o Skywalk	With Skywalk
Main Boom	84 m	81 m
Main Boom with Aux. Sheave (1 Sheave)	78 m	78 m
Main Boom with Aux. Sheave (2 Sheaves)	78 m	78 m



# Combination of Boom and Crane Jib (Offset Angle 10° and 30°)

Combination of Boom and Crane Jib (Offset Angle 10° and 30°)																										
Boom Length (m)		12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72	75	78	81	84
Jib Length (m)	13	×	×	×	×	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	×	×	×	×
	19	×	×	×	×	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	×	×	×	×
	25	×	×	×	×	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	×	×	×	×
	31	×	×	×	×	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	×	×	×	×

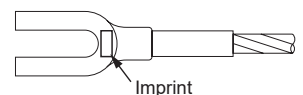
(○: Attachable ×: Not Attachable)

Crane Jib (Offset Angle 10° and 30°)		
Crane Jib Length (m)	Offset Angle	Crane Jib Configurations
13	10°	
	30°	
19	10°	
	30°	
25	10°	
	30°	
31	10°	
	30°	

Check the pendant rope with referring to the imprints on the rope end.

Dimensions Not Shown In The Figure	
Symbols	Jib Length (m)
3	3
5	5
6	6

Jib Pendant Rope				
Symbols	Length (m)	Rope Diameter (mm)	Imprint	
1.4	1.4	24	□ • △ • 24 • 1.4 • S	
5.7	5.7	24	□ • △ • 24 • 5.7 • S	
10	10	26	□ • △ • 26 • 10 • S	
12.46	12.46	24	□ • △ • 24 • 12.46	

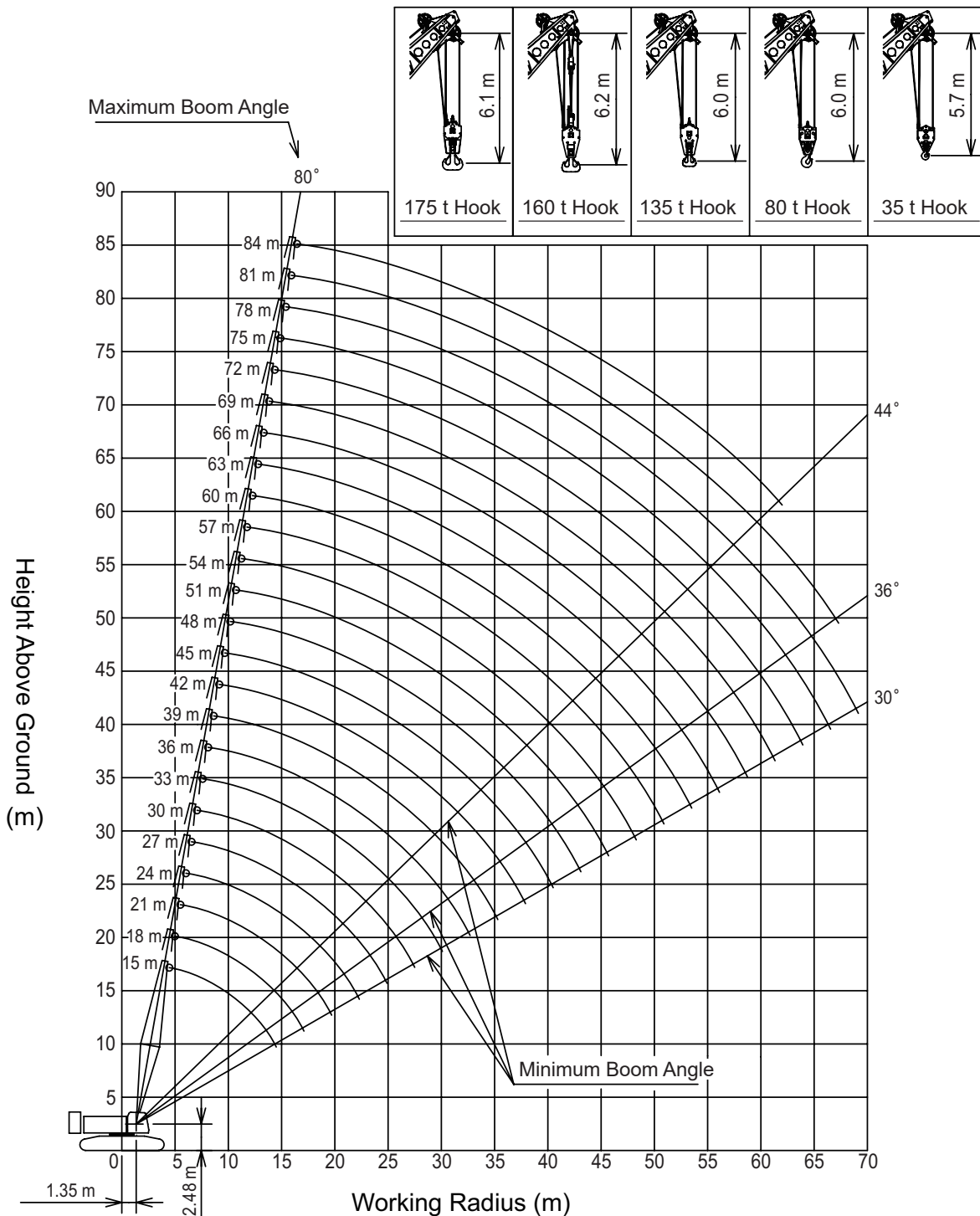


The maximum boom length that can be raised up depends on whether you have a skywalk or not.

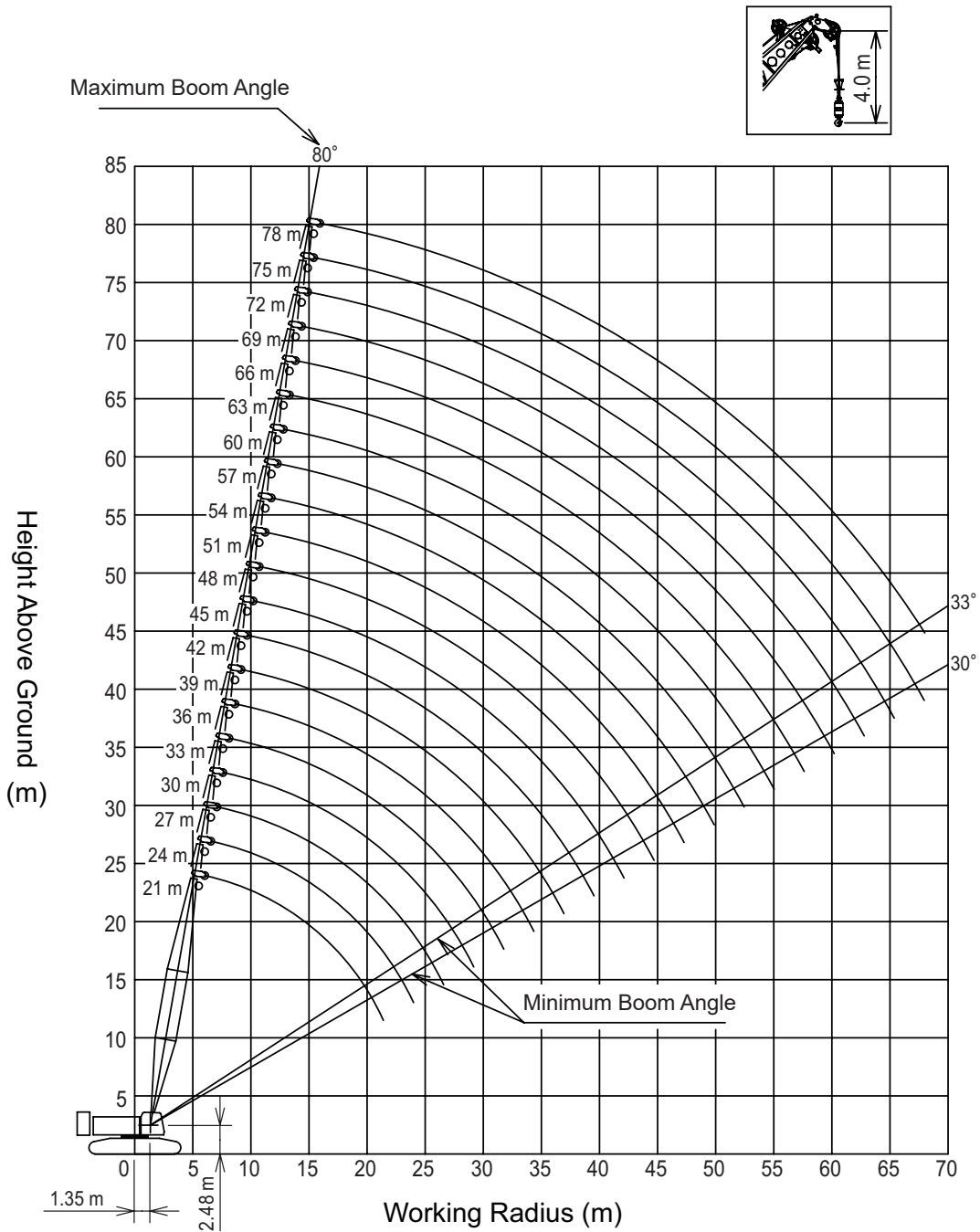
	W/o Skywalk	With Skywalk
Main Boom + Crane Jib	72 m + 31 m	72 m + 31 m

# Working Ranges

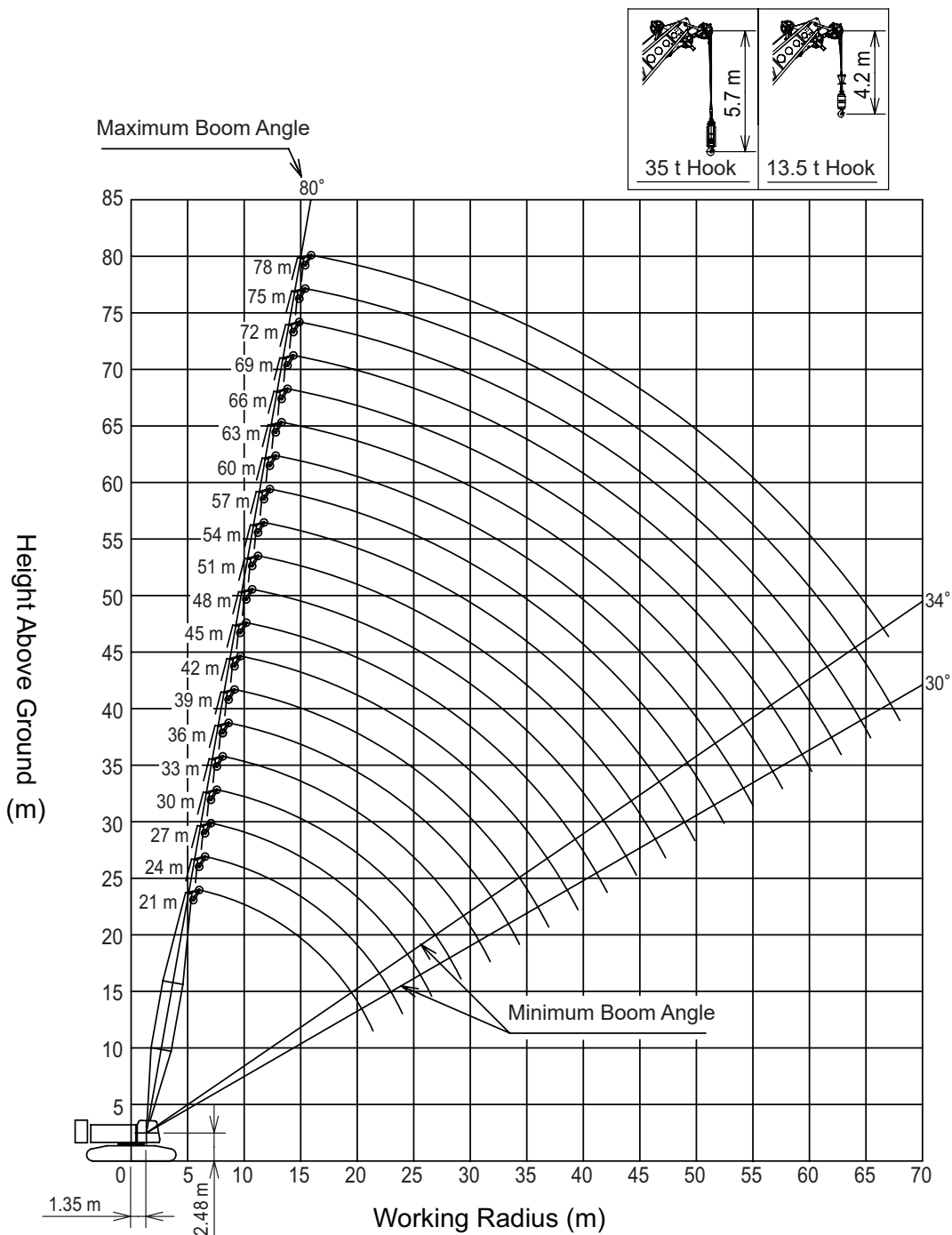
## Main Boom



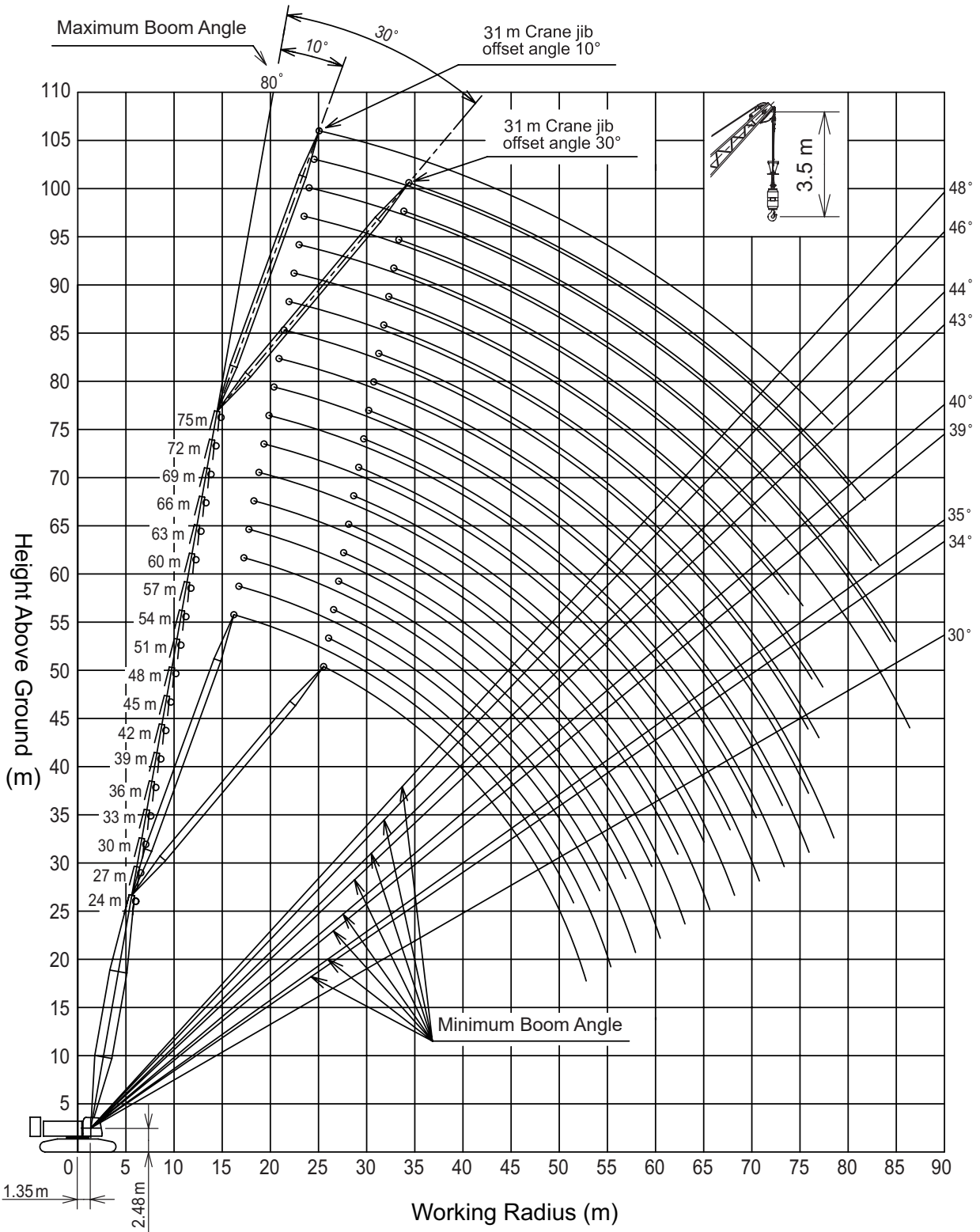
■ Aux. Sheave (1 Sheave)



■ Aux. Sheave (2 Sheaves)



■ Crane Jib



# 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	84.0			9.2m x 67.5t	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	67.5	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													10.1t	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	148.5	135	121.5	108	94.5	81	67.5	54	40.5	27	-
160	2.59	-	160	148.5	135	121.5	108	94.5	81	67.5	54	40.5	27	-
135	2.35	-	-	-	135	121.5	108	94.5	81	67.5	54	40.5	27	-
80	1.35	-	-	-	-	-	-	-	80	67.5	54	40.5	27	-
35	1.07	-	-	-	-	-	-	-	-	-	-	35	27	-
13.5	0.62	-	-	-	-	-	-	-	-	-	-	-	-	13.5

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	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

12. If the calculated result of no.11 is less than 1.4 ton, operation is not available.

■ 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	40.5t	36.0t	36.0t	35.7t	14.4m x	14.9m x	15.5m x				12
14	47.7	47.5	45.2	40.5	36.0	36.0	35.6	27.0t	27.0t	24.0t			16.6m x	14
16	41.5	41.3	39.5	39.2	36.0	36.0	33.7	27.0	27.0	24.0	22.3		17.5t	16
18	36.1	35.9	35.8	34.6	34.3	34.1	31.8	27.0	27.0	24.0	21.0		16.8	18
20	31.2	31.0	30.9	30.7	30.5	30.3	29.2	27.0	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.

■ Aux. Sheave (1 Sheave) [Main Boom : 135 t Hook attached]



Working Radius (m)	Boom Length (m)										Working Radius (m)
	21	24	27	30	33	36	39	42	45	48	
6.7	13.5	7.2m x	7.7m x								6.7
7	13.5	13.5t	13.5t	8.2m x	8.8m x						7
8	13.5	13.5	13.5	13.5t	13.5t	9.3m x	9.8m x				8
9	13.5	13.5	13.5	13.5	13.5	13.5t	13.5t	10.3m x	10.8m x	11.4m x	9
10	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5t	13.5t	13.5t	10
12	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12
14	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	14
16	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	16
18	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	18
20	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	20
22	21.3m x	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	22
24	13.5t	23.9m x	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	24
26		13.5t	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	26
28			26.5m x	13.5	13.5	13.5	13.5	13.5	13.5	13.5	28
30			13.5t	29.1m x	13.5	13.5	13.5	13.5	13.5	13.5	30
32				13.5t	31.7m x	13.5	13.5	13.5	13.3	13.2	32
34					13.5t	12.9	12.7	12.1	12.1	12.1	34
36						34.3m x	11.5	11.2	11.1	11.0	36
38						12.7t	36.9m x	10.2	10.0	9.9	38
40							11.0t	39.5m x	9.1	8.9	40
42								9.5t	8.2	8.0	42
44									42.1m x	7.3	44
46									8.2t	44.7m x	46
48										7.0t	48

Working Radius (m)	Boom Length (m)										Working Radius (m)	
	51	54	57	60	63	66	69	72	75	78		
9	11.9m x										9	
10	13.5t	12.4m x	12.9m x	13.4m x							10	
12	13.5	13.5t	13.5t	13.5t			14.5m x	15.0m x	15.5m x		12	
14	13.5	13.5	13.5	13.5	13.5	13.5	13.5t	13.5t	13.5t	16.1m x	16.6m x	14
16	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5t	13.5t	16
18	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	18
20	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	20
22	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	22
24	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	24
26	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.1	26
28	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.3	28
30	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.3	13.3	13.1	11.5	30
32	13.0	12.8	12.6	12.4	12.3	12.3	12.1	12.1	11.8	10.7	10.7	32
34	11.9	11.7	11.5	11.3	11.2	11.1	10.9	10.7	10.5	9.9	9.9	34
36	10.8	10.6	10.4	10.2	10.1	9.9	9.7	9.4	9.2	9.0	9.0	36
38	9.7	9.5	9.3	9.1	9.0	8.8	8.6	8.3	8.1	8.1	8.1	38
40	8.8	8.5	8.3	8.1	8.0	7.8	7.6	7.3	7.1	7.1	7.1	40
42	7.9	7.6	7.4	7.2	7.1	6.9	6.7	6.4	6.2	6.2	6.2	42
44	7.1	6.9	6.7	6.4	6.3	6.1	5.9	5.6	5.4	5.4	5.4	44
46	6.4	6.1	5.9	5.7	5.6	5.4	5.2	4.9	4.7	4.7	4.7	46
48	47.3m x	5.5	5.3	5.1	4.9	4.7	4.5	4.3	4.1	4.0	4.0	48
50	6.0t	49.8m x	4.7	4.5	4.3	4.1	3.9	3.7	3.5	3.4	3.4	50
52		5.0t	4.2	4.0	3.8	3.6	3.4	3.1	2.9	2.8	2.8	52
54			52.4m x	3.5	3.3	3.1	2.9	2.6	2.4	2.3	2.3	54
56			4.1t	55.0m x	2.8	2.6	2.4	2.1	1.9	1.8	1.8	56
58				3.2t	57.6m x	2.2	2.0	1.7	1.5			58
60					2.5t	1.8	1.6					60
62						60.2m x						62
64						1.8t						64

- 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 weight of jib hook and all other lifting accessories other than boom 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)
13.5	0.62

- 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.
- If the calculated result of no.11 is less than 1.4 ton, operation is not available.

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) [Main Boom : 80 t Hook attached]



Working Radius (m)	Boom Length (m)										Working Radius (m)
	21	24	27	30	33	36	39	42	45	48	
6.7	13.5	7.2m x	7.7m x								6.7
7	13.5	13.5t	13.5t	8.2m x	8.8m x						7
8	13.5	13.5	13.5	13.5t	13.5t	9.3m x	9.8m x				8
9	13.5	13.5	13.5	13.5	13.5	13.5t	13.5t	10.3m x	10.8m x	11.4m x	9
10	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5t	13.5t	13.5t	10
12	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12
14	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	14
16	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	16
18	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	18
20	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	20
22	21.3m x	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	22
24	13.5t	23.9m x	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	24
26		13.5t	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	26
28			26.5m x	13.5	13.5	13.5	13.5	13.5	13.5	13.5	28
30			13.5t	29.1m x	13.5	13.5	13.5	13.5	13.5	13.5	30
32				13.5t	31.7m x	13.5	13.5	13.5	13.5	13.5	32
34					13.5t	13.5	13.5	13.1	13.1	13.1	34
36						34.3m x	12.5	12.2	12.1	12.0	36
38						13.5t	36.9m x	11.2	11.0	10.8	38
40							12.0t	39.5m x	10.1	9.9	40
42								10.5t	9.2	9.0	42
44									42.1m x	8.3	44
46									9.2t	44.7m x	46
48										8.0t	48

Working Radius (m)	Boom Length (m)										Working Radius (m)	
	51	54	57	60	63	66	69	72	75	78		
9	11.9m x										9	
10	13.5t	12.4m x	12.9m x	13.4m x							10	
12	13.5	13.5t	13.5t	13.5t			14.5m x	15.0m x	15.5m x		12	
14	13.5	13.5	13.5	13.5	13.5	13.5	13.5t	13.5t	13.5t	16.1m x	16.6m x	14
16	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5t	13.5t	16
18	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	18
20	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	20
22	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	22
24	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	24
26	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	26
28	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.3	28
30	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.5	30
32	13.5	13.5	13.5	13.4	13.3	13.3	13.1	13.1	12.8	11.7	32	
34	12.9	12.7	12.5	12.3	12.2	12.1	11.9	11.7	11.5	10.9	34	
36	11.8	11.6	11.4	11.2	11.1	10.9	10.7	10.4	10.2	10.0	36	
38	10.7	10.5	10.3	10.1	10.0	9.8	9.6	9.3	9.1	9.1	38	
40	9.8	9.5	9.3	9.1	9.0	8.8	8.6	8.3	8.1	8.1	40	
42	8.9	8.6	8.4	8.2	8.1	7.9	7.7	7.4	7.2	7.2	42	
44	8.1	7.9	7.7	7.4	7.3	7.1	6.9	6.6	6.4	6.4	44	
46	7.4	7.1	6.9	6.7	6.6	6.4	6.2	5.9	5.7	5.7	46	
48	47.3m x	6.5	6.3	6.1	5.9	5.7	5.5	5.3	5.1	5.0	48	
50	7.0t	49.8m x	5.7	5.5	5.3	5.1	4.9	4.7	4.5	4.4	50	
52		6.0t	5.2	5.0	4.8	4.6	4.4	4.1	3.9	3.8	52	
54			52.4m x	4.5	4.3	4.1	3.9	3.6	3.4	3.3	54	
56			5.1t	55.0m x	3.8	3.6	3.4	3.1	2.9	2.8	56	
58				4.2t	57.6m x	3.2	3.0	2.7	2.5	2.4	58	
60					3.5t	2.8	2.6	2.3	2.1	2.0	60	
62						60.2m x	2.2	2.0	1.7	1.6	62	
64						2.8t	62.8m x	1.6			64	
66							2.1t				66	

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

■ Aux. Sheave (1 Sheave) [Main Boom : 35 t Hook attached]



Working Radius (m)	Boom Length (m)										Working Radius (m)
	21	24	27	30	33	36	39	42	45	48	
6.7	13.5	7.2m x	7.7m x								6.7
7	13.5	13.5t	13.5t	8.2m x	8.8m x						7
8	13.5	13.5	13.5	13.5t	13.5t	9.3m x	9.8m x				8
9	13.5	13.5	13.5	13.5	13.5	13.5t	13.5t	10.3m x	10.8m x	11.4m x	9
10	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5t	13.5t	13.5t	10
12	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12
14	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	14
16	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	16
18	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	18
20	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	20
22	21.3m x	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	22
24	13.5t	23.9m x	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	24
26		13.5t	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	26
28			26.5m x	13.5	13.5	13.5	13.5	13.5	13.5	13.5	28
30			13.5t	29.1m x	13.5	13.5	13.5	13.5	13.5	13.5	30
32				13.5t	31.7m x	13.5	13.5	13.5	13.5	13.5	32
34					13.5t	13.5	13.5	13.3	13.3	13.3	34
36						34.3m x	12.7	12.4	12.3	12.2	36
38						13.5t	36.9m x	11.4	11.2	11.1	38
40							12.2t	39.5m x	10.3	10.1	40
42								10.7t	9.4	9.2	42
44									42.1m x	8.5	44
46									9.4t	44.7m x	46
48										8.2t	48

Working Radius (m)	Boom Length (m)										Working Radius (m)	
	51	54	57	60	63	66	69	72	75	78		
9	11.9m x										9	
10	13.5t	12.4m x	12.9m x	13.4m x							10	
12	13.5	13.5t	13.5t	13.5t			14.5m x	15.0m x	15.5m x		12	
14	13.5	13.5	13.5	13.5	13.5	13.5	13.5t	13.5t	13.5t	16.1m x	16.6m x	14
16	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5t	13.5t	16
18	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	18
20	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	20
22	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	22
24	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	24
26	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	26
28	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	28
30	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.7	30
32	13.5	13.5	13.5	13.5	13.5	13.5	13.3	13.3	13.0	11.9	32	
34	13.1	12.9	12.7	12.5	12.4	12.3	12.1	11.9	11.7	11.1	34	
36	12.0	11.8	11.6	11.4	11.3	11.1	10.9	10.6	10.4	10.2	36	
38	10.9	10.7	10.5	10.3	10.2	10.0	9.8	9.5	9.3	9.3	38	
40	10.0	9.7	9.5	9.3	9.2	9.0	8.8	8.5	8.3	8.3	40	
42	9.1	8.8	8.6	8.4	8.3	8.1	7.9	7.6	7.4	7.4	42	
44	8.3	8.1	7.9	7.6	7.5	7.3	7.1	6.8	6.6	6.6	44	
46	7.6	7.3	7.1	6.9	6.8	6.6	6.4	6.1	5.9	5.9	46	
48	47.3m x	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.3	5.2	48	
50	7.2t	49.8m x	5.9	5.7	5.5	5.3	5.1	4.9	4.7	4.6	50	
52		6.2t	5.4	5.2	5.0	4.8	4.6	4.3	4.1	4.0	52	
54			52.4m x	4.7	4.5	4.3	4.1	3.8	3.6	3.5	54	
56			5.3t	55.0m x	4.0	3.8	3.6	3.3	3.1	3.0	56	
58				4.4t	57.6m x	3.4	3.2	2.9	2.7	2.6	58	
60					3.7t	3.0	2.8	2.5	2.3	2.2	60	
62						60.2m x	2.4	2.2	1.9	1.8	62	
64						3.0t	62.8m x	1.8	1.6	1.5	64	
66							2.3t	65.4m x			66	
68								1.6t			68	

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

■ Aux. Sheave (1 Sheave) [Main Boom : No Hook attached]



Unit : ton

Working Radius (m)	Boom Length (m)										Working Radius (m)
	21	24	27	30	33	36	39	42	45	48	
6.7	13.5	7.2m x	7.7m x								6.7
7	13.5	13.5t	13.5t	8.2m x	8.8m x						7
8	13.5	13.5	13.5	13.5t	13.5t	9.3m x	9.8m x				8
9	13.5	13.5	13.5	13.5	13.5	13.5t	13.5t	10.3m x	10.8m x	11.4m x	9
10	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5t	13.5t	13.5t	10
12	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12
14	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	14
16	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	16
18	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	18
20	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	20
22	21.3m x	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	22
24	13.5t	23.9m x	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	24
26		13.5t	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	26
28			26.5m x	13.5	13.5	13.5	13.5	13.5	13.5	13.5	28
30			13.5t	29.1m x	13.5	13.5	13.5	13.5	13.5	13.5	30
32				13.5t	31.7m x	13.5	13.5	13.5	13.5	13.5	32
34					13.5t	13.5	13.5	13.5	13.5	13.5	34
36						34.3m x	13.5	13.5	13.4	13.3	36
38						13.5t	36.9m x	12.5	12.3	12.2	38
40							13.3t	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

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										9
10	13.5t	12.4m x	12.9m x	13.4m x							10
12	13.5	13.5t	13.5t	13.5t		14.5m x	15.0m x	15.5m x			12
14	13.5	13.5	13.5	13.5	13.5	13.5t	13.5t	13.5t	16.1m x	16.6m x	14
16	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5t	13.5t	16
18	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	18
20	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	20
22	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	22
24	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	24
26	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	26
28	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	28
30	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	30
32	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.0	32
34	13.5	13.5	13.5	13.5	13.5	13.4	13.2	13.0	12.8	12.2	34
36	13.1	12.9	12.7	12.5	12.4	12.2	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	38
40	11.1	10.8	10.6	10.4	10.3	10.1	9.9	9.6	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	42
44	9.4	9.2	9.0	8.7	8.6	8.4	8.2	7.9	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	46
48	47.3m x	7.8	7.6	7.4	7.2	7.0	6.8	6.6	6.4	6.3	48
50	8.3t	49.8m x	7.0	6.8	6.6	6.4	6.2	6.0	5.8	5.7	50
52		7.3t	6.5	6.3	6.1	5.9	5.7	5.4	5.2	5.1	52
54			52.4m x	5.8	5.6	5.4	5.2	4.9	4.7	4.6	54
56			6.4t	55.0m x	5.1	4.9	4.7	4.4	4.2	4.1	56
58				5.5t	57.6m x	4.5	4.3	4.0	3.8	3.7	58
60					4.8t	4.1	3.9	3.6	3.4	3.3	60
62						60.2m x	3.5	3.3	3.0	2.9	62
64						4.1t	62.8m x	2.9	2.7	2.6	64
66							3.4t	65.4m x	2.4	2.3	66
68								2.7t	2.1	1.9	68
70										68.6m x	70
72										1.9t	72

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

■ Aux. Sheave (2 Sheaves) [Main Boom : 135 t Hook attached]



Unit : ton

Working Radius (m)	Boom Length (m)										Working Radius (m)	
	21	24	27	30	33	36	39	42	45	48		
6.4	27.0	6.9m x 27.0t	7.4m x 27.0t									6.4
7	27.0	27.0	27.0		8.5m x 27.0							7
8	27.0	27.0	27.0	27.0	27.0	27.0	9.5m x 27.0					8
9	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	10.6m x 27.0	11.1m x 27.0		9
10	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0		10
12	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0		12
14	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0		14
16	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0		16
18	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0		18
20	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0		20
22	21.1m x 27.0t	25.9	25.2	25.0	25.0	24.8	24.7	24.7	24.7	24.7		22
24		23.7m x 23.2t	22.6	22.5	22.4	22.2	22.1	21.9	21.8	21.6		24
26			20.0	20.0	19.8	19.6	19.5	19.3	19.1	19.0		26
28			26.3m x 19.7t	17.8	17.7	17.4	17.3	17.1	17.0	16.8		28
30				28.9m x 16.9t	15.8	15.6	15.5	15.3	15.1	14.9		30
32					31.5m x 14.6t	14.0	13.9	13.7	13.5	13.3		32
34						12.6	12.5	12.3	12.1	11.9		34
36						34.1m x 12.5t	11.3	11.1	10.9	10.7		36
38							36.7m x 10.9t	10.0	9.8	9.6		38
40								39.3m x 9.3t	8.8	8.6		40
42									41.9m x 8.0	7.8		42
44										7.0		44
46										44.5m x 6.8t		46
48												48

Unit : ton

Working Radius (m)	Boom Length (m)										Working Radius (m)	
	51	54	57	60	63	66	69	72	75	78		
9	11.6m x 27.0t											9
10		12.1m x 27.0t	12.6m x 27.0t	13.2m x 27.0t	13.7m x 27.0t							10
12	27.0	27.0	27.0	27.0	27.0	14.2m x 27.0t	14.7m x 13.5t	15.2m x 13.5t	15.8m x 13.5t			12
14	27.0	27.0	27.0	27.0	27.0	26.2	13.5	13.5	13.5	13.5	16.3m x 13.5t	14
16	27.0	27.0	27.0	27.0	27.0	24.9	13.5	13.5	13.5	13.5	13.5	16
18	27.0	27.0	27.0	27.0	27.0	23.7	13.5	13.5	13.5	13.5	13.5	18
20	27.0	27.0	27.0	27.0	25.9	23.7	13.5	13.5	13.5	13.5	13.5	20
22	24.7	24.4	24.2	24.1	24.0	22.4	13.5	13.5	13.5	13.5	13.5	22
24	21.5	21.3	21.1	20.9	20.8	20.6	13.5	13.5	13.5	13.5	13.5	24
26	18.9	18.6	18.5	18.3	18.1	18.0	13.5	13.5	13.5	13.5	12.9	26
28	16.7	16.4	16.2	16.0	15.9	15.7	13.5	13.5	13.5	13.5	12.0	28
30	14.8	14.6	14.4	14.2	14.1	13.9	13.0	13.0	12.6	11.2		30
32	13.2	12.9	12.8	12.5	12.4	12.2	11.8	11.7	11.5	10.3		32
34	11.8	11.5	11.3	11.1	11.0	10.8	10.6	10.4	10.2	9.5		34
36	10.6	10.3	10.1	9.9	9.8	9.6	9.4	9.1	8.9	8.8		36
38	9.5	9.2	9.0	8.8	8.7	8.5	8.3	8.0	7.8	7.8		38
40	8.5	8.2	8.0	7.8	7.7	7.5	7.3	7.0	6.8	6.8		40
42	7.6	7.4	7.2	7.0	6.8	6.6	6.4	6.2	6.0	5.9		42
44	6.8	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2	5.1		44
46	6.1	5.9	5.7	5.5	5.3	5.1	4.9	4.6	4.4	4.4		46
48	47.1m x 5.8t	5.2	5.0	4.8	4.7	4.5	4.2	4.0	3.8	3.7		48
50		49.7m x 4.7t	4.5	4.2	4.1	3.9	3.6	3.4	3.2	3.1		50
52			3.9	3.7	3.5	3.3	3.1	2.8	2.6	2.6		52
54			52.3m x 3.8t	3.2	3.0	2.8	2.6	2.3	2.1	2.0		54
56				54.9m x 3.0t	2.6	2.4	2.1	1.9	1.7	1.6		56
58					57.5m x 2.2t	1.9	1.7	1.5				58
60						1.5						60
62						60.1m x 1.5t						62
64												64

- 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 weight of jib hook and all other lifting accessories other than boom 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)
13.5	0.62

- 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.
- If the calculated result of no.11 is less than 1.4 ton, operation is not available.

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 (2 Sheaves) [Main Boom : 80 t Hook attached]



Working Radius (m)	Boom Length (m)										Working Radius (m)	
	21	24	27	30	33	36	39	42	45	48		
6.4	27.0	6.9m x 27.0t	7.4m x 27.0t									6.4
7	27.0	27.0	27.0		8.5m x 27.0t							7
8	27.0	27.0	27.0	27.0			9.5m x 27.0t					8
9	27.0	27.0	27.0	27.0	27.0	27.0	27.0		10.6m x 27.0t	11.1m x 27.0t		9
10	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	10
12	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	12
14	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	14
16	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	16
18	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	18
20	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	20
22	21.1m x 27.0t	26.9	26.2	26.0	26.0	25.8	25.7	25.7	25.7	25.7	25.7	22
24		23.7m x 24.2t	23.6	23.5	23.4	23.2	23.1	22.9	22.8	22.6	22.6	24
26			21.0	21.0	20.8	20.6	20.5	20.3	20.1	20.0	20.0	26
28			26.3m x 20.7t	18.8	18.7	18.4	18.3	18.1	18.0	17.8	17.8	28
30				28.9m x 17.9t	16.8	16.6	16.5	16.3	16.1	15.9	15.9	30
32					31.5m x 15.6t	15.0	14.9	14.7	14.5	14.3	14.3	32
34						13.6	13.5	13.3	13.1	12.9	12.9	34
36						34.1m x 13.5t	12.3	12.1	11.9	11.7	11.7	36
38							36.7m x 11.0	11.0	10.8	10.6	10.6	38
40							11.9t	39.3m x 10.3t	9.8	9.6	9.6	40
42									41.9m x 9.0t	8.8	8.8	42
44										8.0	8.0	44
46										44.5m x 7.8t	7.8	46
48												48

Working Radius (m)	Boom Length (m)										Working Radius (m)	
	51	54	57	60	63	66	69	72	75	78		
9	11.6m x 27.0t											9
10		12.1m x 27.0t	12.6m x 27.0t	13.2m x 27.0t	13.7m x 27.0t							10
12	27.0	27.0	27.0	27.0	27.0	14.2m x 27.0t	14.7m x 13.5t	15.2m x 13.5t	15.8m x 13.5t			12
14	27.0	27.0	27.0	27.0	27.0	27.0	13.5	13.5	13.5	16.3m x 13.5t		14
16	27.0	27.0	27.0	27.0	27.0	27.0	27.0	13.5	13.5	13.5	13.5	16
18	27.0	27.0	27.0	27.0	27.0	27.0	25.9	13.5	13.5	13.5	13.5	18
20	27.0	27.0	27.0	27.0	27.0	26.9	24.7	13.5	13.5	13.5	13.5	20
22	25.7	25.4	25.2	25.1	25.0	23.4	13.5	13.5	13.5	13.5	13.5	22
24	22.5	22.3	22.1	21.9	21.8	21.6	13.5	13.5	13.5	13.5	13.5	24
26	19.9	19.6	19.5	19.3	19.1	19.0	13.5	13.5	13.5	13.5	13.5	26
28	17.7	17.4	17.2	17.0	16.9	16.7	13.5	13.5	13.5	13.5	13.0	28
30	15.8	15.6	15.4	15.2	15.1	14.9	13.5	13.5	13.5	13.5	12.2	30
32	14.2	13.9	13.8	13.5	13.4	13.2	12.8	12.7	12.5	11.3	11.3	32
34	12.8	12.5	12.3	12.1	12.0	11.8	11.6	11.4	11.2	10.5	10.5	34
36	11.6	11.3	11.1	10.9	10.8	10.6	10.4	10.1	9.9	9.8	9.8	36
38	10.5	10.2	10.0	9.8	9.7	9.5	9.3	9.0	8.8	8.8	8.8	38
40	9.5	9.2	9.0	8.8	8.7	8.5	8.3	8.0	7.8	7.8	7.8	40
42	8.6	8.4	8.2	8.0	7.8	7.6	7.4	7.2	7.0	6.9	6.9	42
44	7.8	7.6	7.4	7.2	7.0	6.8	6.6	6.4	6.2	6.1	6.1	44
46	7.1	6.9	6.7	6.5	6.3	6.1	5.9	5.6	5.4	5.4	5.4	46
48	47.1m x 6.8t	6.2	6.0	5.8	5.7	5.5	5.2	5.0	4.8	4.7	4.7	48
50		49.7m x 5.7t	5.5	5.2	5.1	4.9	4.6	4.4	4.2	4.1	4.1	50
52			4.9	4.7	4.5	4.3	4.1	3.8	3.6	3.6	3.6	52
54			52.3m x 4.8t	4.2	4.0	3.8	3.6	3.3	3.1	3.0	3.0	54
56				54.9m x 4.0t	3.6	3.4	3.1	2.9	2.7	2.6	2.6	56
58					57.5m x 3.2t	2.9	2.7	2.5	2.2	2.1	2.1	58
60						2.5	2.3	2.1	1.8	1.7	1.7	60
62						60.1m x 2.5t	2.0	1.7	1.5			62
64							62.7m x 1.8t					64
66												66

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

■ Aux. Sheave (2 Sheaves) [Main Boom : 35 t Hook attached]



Working Radius (m)	Boom Length (m)										Working Radius (m)	
	21	24	27	30	33	36	39	42	45	48		
6.4	27.0	6.9m x 27.0t	7.4m x 27.0t									6.4
7	27.0	27.0	27.0		8.5m x 27.0t							7
8	27.0	27.0	27.0	27.0	27.0		9.5m x 27.0t					8
9	27.0	27.0	27.0	27.0	27.0	27.0	27.0		10.6m x 27.0t	11.1m x 27.0t		9
10	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	10
12	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	12
14	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	14
16	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	16
18	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	18
20	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	20
22	21.1m x 27.0t	27.0	26.4	26.2	26.2	26.0	25.9	25.9	25.9	25.9	25.9	22
24		23.7m x 24.4t	23.8	23.7	23.6	23.4	23.3	23.1	23.0	22.8	22.8	24
26			21.2	21.2	21.0	20.8	20.7	20.5	20.3	20.2	20.2	26
28			26.3m x 20.9t	19.0	18.9	18.6	18.5	18.3	18.2	18.0	18.0	28
30				28.9m x 18.1t	17.0	16.8	16.7	16.5	16.3	16.1	16.1	30
32					31.5m x 15.8t	15.2	15.1	14.9	14.7	14.5	14.5	32
34						13.8	13.7	13.5	13.3	13.1	13.1	34
36						34.1m x 13.7t	12.5	12.3	12.1	11.9	11.9	36
38							36.7m x 12.1t	11.2	11.0	10.8	10.8	38
40								39.3m x 10.5t	10.0	9.8	9.8	40
42									41.9m x 9.2t	9.0	9.0	42
44										8.2	8.2	44
46										44.5m x 8.0t	8.0	46
48											8.0t	48

Working Radius (m)	Boom Length (m)										Working Radius (m)	
	51	54	57	60	63	66	69	72	75	78		
9	11.6m x 27.0t											9
10		12.1m x 27.0t	12.6m x 27.0t	13.2m x 27.0t	13.7m x 27.0t							10
12	27.0	27.0	27.0	27.0	27.0	14.2m x 27.0t	14.7m x 13.5t	15.2m x 13.5t	15.8m x 13.5t			12
14	27.0	27.0	27.0	27.0	27.0	27.0	13.5	13.5	13.5	16.3m x 13.5t		14
16	27.0	27.0	27.0	27.0	27.0	27.0	13.5	13.5	13.5	13.5		16
18	27.0	27.0	27.0	27.0	27.0	27.0	26.1	13.5	13.5	13.5	13.5	18
20	27.0	27.0	27.0	27.0	27.0	27.0	24.9	13.5	13.5	13.5	13.5	20
22	25.9	25.6	25.4	25.3	25.2	23.6	13.5	13.5	13.5	13.5	13.5	22
24	22.7	22.5	22.3	22.1	22.0	21.8	13.5	13.5	13.5	13.5	13.5	24
26	20.1	19.8	19.7	19.5	19.3	19.2	13.5	13.5	13.5	13.5	13.5	26
28	17.9	17.6	17.4	17.2	17.1	16.9	13.5	13.5	13.5	13.5	13.2	28
30	16.0	15.8	15.6	15.4	15.3	15.1	13.5	13.5	13.5	13.5	12.4	30
32	14.4	14.1	14.0	13.7	13.6	13.4	13.0	12.9	12.7	11.5	11.5	32
34	13.0	12.7	12.5	12.3	12.2	12.0	11.8	11.6	11.4	10.7	10.7	34
36	11.8	11.5	11.3	11.1	11.0	10.8	10.6	10.3	10.1	10.0	10.0	36
38	10.7	10.4	10.2	10.0	9.9	9.7	9.5	9.2	9.0	9.0	9.0	38
40	9.7	9.4	9.2	9.0	8.9	8.7	8.5	8.2	8.0	8.0	8.0	40
42	8.8	8.6	8.4	8.2	8.0	7.8	7.6	7.4	7.2	7.1	7.1	42
44	8.0	7.8	7.6	7.4	7.2	7.0	6.8	6.6	6.4	6.3	6.3	44
46	7.3	7.1	6.9	6.7	6.5	6.3	6.1	5.8	5.6	5.6	5.6	46
48	47.1m x 7.0t	6.4	6.2	6.0	5.9	5.7	5.4	5.2	5.0	4.9	4.9	48
50		49.7m x 5.9t	5.7	5.4	5.3	5.1	4.8	4.6	4.4	4.3	4.3	50
52			5.1	4.9	4.7	4.5	4.3	4.0	3.8	3.8	3.8	52
54			52.3m x 5.0t	4.4	4.2	4.0	3.8	3.5	3.3	3.2	3.2	54
56				54.9m x 4.2t	3.8	3.6	3.3	3.1	2.9	2.8	2.8	56
58					57.5m x 3.4t	3.1	2.9	2.7	2.4	2.3	2.3	58
60						2.7	2.5	2.3	2.0	1.9	1.9	60
62						60.1m x 2.7t	2.2	1.9	1.7	1.6	1.6	62
64							62.7m x 2.0t	1.6				64
66								65.2m x 1.4t				66
68												68

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

■ Aux. Sheave (2 Sheaves) [Main Boom : No Hook attached]



Working Radius (m)	Boom Length (m)										Working Radius (m)	
	21	24	27	30	33	36	39	42	45	48		
6.4	27.0	6.9m x 27.0t	7.4m x 27.0t									6.4
7	27.0	27.0	27.0		8.5m x 27.0t							7
8	27.0	27.0	27.0	27.0			9.5m x 27.0t					8
9	27.0	27.0	27.0	27.0	27.0	27.0	27.0		10.6m x 27.0t	11.1m x 27.0t		9
10	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0		10
12	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0		12
14	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0		14
16	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0		16
18	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0		18
20	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0		20
22	21.1m x 27.0t	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0		22
24		23.7m x 25.5t	24.9	24.8	24.7	24.5	24.4	24.2	24.1	23.9		24
26			22.3	22.3	22.1	21.9	21.8	21.6	21.4	21.3		26
28			26.3m x 22.0t	20.1	20.0	19.7	19.6	19.4	19.3	19.1		28
30				28.9m x 19.2t	18.1	17.9	17.8	17.6	17.4	17.2		30
32					31.5m x 16.9t	16.3	16.2	16.0	15.8	15.6		32
34						14.9	14.8	14.6	14.4	14.2		34
36						34.1m x 14.8t	13.6	13.4	13.2	13.0		36
38							36.7m x 12.3	12.3	12.1	11.9		38
40							13.2t	39.3m x 11.6t	11.1	10.9		40
42									41.9m x 10.3t	10.1		42
44										9.3		44
46										44.5m x 9.1t		46
48												48

Working Radius (m)	Boom Length (m)										Working Radius (m)	
	51	54	57	60	63	66	69	72	75	78		
9	11.6m x 27.0t											9
10		12.1m x 27.0t	12.6m x 27.0t	13.2m x 27.0t	13.7m x 27.0t							10
12	27.0	27.0	27.0	27.0	27.0	14.2m x 27.0t	14.7m x 13.5t	15.2m x 13.5t	15.8m x 13.5t			12
14	27.0	27.0	27.0	27.0	27.0	27.0	13.5	13.5	13.5	16.3m x 13.5t		14
16	27.0	27.0	27.0	27.0	27.0	27.0	13.5	13.5	13.5	13.5		16
18	27.0	27.0	27.0	27.0	27.0	27.0	13.5	13.5	13.5	13.5		18
20	27.0	27.0	27.0	27.0	27.0	26.0	13.5	13.5	13.5	13.5		20
22	27.0	26.7	26.5	26.4	26.3	24.7	13.5	13.5	13.5	13.5		22
24	23.8	23.6	23.4	23.2	23.1	22.9	13.5	13.5	13.5	13.5		24
26	21.2	20.9	20.8	20.6	20.4	20.3	13.5	13.5	13.5	13.5		26
28	19.0	18.7	18.5	18.3	18.2	18.0	13.5	13.5	13.5	13.5		28
30	17.1	16.9	16.7	16.5	16.4	16.2	13.5	13.5	13.5	13.5		30
32	15.5	15.2	15.1	14.8	14.7	14.5	13.5	13.5	13.5	12.6		32
34	14.1	13.8	13.6	13.4	13.3	13.1	12.9	12.7	12.5	11.8		34
36	12.9	12.6	12.4	12.2	12.1	11.9	11.7	11.4	11.2	11.1		36
38	11.8	11.5	11.3	11.1	11.0	10.8	10.6	10.3	10.1	10.1		38
40	10.8	10.5	10.3	10.1	10.0	9.8	9.6	9.3	9.1	9.1		40
42	9.9	9.7	9.5	9.3	9.1	8.9	8.7	8.5	8.3	8.2		42
44	9.1	8.9	8.7	8.5	8.3	8.1	7.9	7.7	7.5	7.4		44
46	8.4	8.2	8.0	7.8	7.6	7.4	7.2	6.9	6.7	6.7		46
48	47.1m x 8.1t	7.5	7.3	7.1	7.0	6.8	6.5	6.3	6.1	6.0		48
50		49.7m x 7.0t	6.8	6.5	6.4	6.2	5.9	5.7	5.5	5.4		50
52			6.2	6.0	5.8	5.6	5.4	5.1	4.9	4.9		52
54			52.3m x 6.1t	5.5	5.3	5.1	4.9	4.6	4.4	4.3		54
56				54.9m x 5.3t	4.9	4.7	4.4	4.2	4.0	3.9		56
58					57.5m x 4.5t	4.2	4.0	3.8	3.5	3.4		58
60						3.8	3.6	3.4	3.1	3.0		60
62						60.1m x 3.8t	3.3	3.0	2.8	2.7		62
64							62.7m x 3.1t	2.7	2.4	2.3		64
66								65.2m x 2.5t	2.1	2.0		66
68									67.8m x 1.9t	66.9m x 1.9t		68
70												70

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

■ 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	72.0	67.5t	60.0t	10.2m x		9
10	74.5	74.3	74.1	74.0	73.9	73.6	71.6	67.5	60.0	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

- 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)									
		10 falls	9 falls	8 falls	7 falls	6 falls	5 falls	4 falls	3 falls	2 falls	1 fall
135	2.35	135	121.5	108	94.5	81	67.5	54	40.5	27	-
80	1.35	-	-	-	-	80	67.5	54	40.5	27	-
35	1.07	-	-	-	-	-	-	-	35	27	-
13.5	0.62	-	-	-	-	-	-	-	-	-	13.5

- If the value is less than 1.4 ton after deduction of jib hook weight from the rated load shown above, operation is not available.
- 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

- If the value is less than 1.4 ton after deduction of jib hook weight from the calculated result of no.12, operation is not available.



■ 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	11.3m x	11.8m x									9
10	48.0t	48.0t	48.0t									10
12	48.0	48.0	48.0	12.3m x	12.8m x	13.4m x	13.9m x					12
14	47.2	46.9	44.6	40.5t	36.0t	36.0t	34.6t	14.4m x	14.9m x	15.5m x		14
16	40.9	40.7	38.9	38.6	36.0	35.8	32.7	27.0	27.0	23.7		16
18	35.7	35.4	35.3	34.0	33.7	33.4	30.8	27.0	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	8.3	8.1	7.9	7.7	7.5	7.3	7.0	6.8	6.7		46
48	8.7t	7.7	7.5	7.2	7.1	6.9	6.6	6.4	6.2	6.1		48
50		48.3m x	6.9	6.7	6.5	6.3	6.1	5.8	5.6	5.5		50
52		7.6t	50.9m x	6.1	5.9	5.7	5.5	5.3	5.0	4.9		52
54			6.6t	53.5m x	5.4	5.2	5.0	4.8	4.5	4.4		54
56				5.8t	5.0	4.8	4.6	4.3	4.1	3.9		56
58					56.1m x	4.4	4.1	3.9	3.7	3.5		58
60					5.0t	58.7m x	3.8	3.5	3.3	3.1		60
62						4.2t	61.3m x	3.1	2.9	2.7		62
64							3.5t	63.9m x	2.6	2.3		64
66								2.8t	2.3	2.0		66
68									66.5m x	66.5m x		68
70									2.2t	1.9t		70

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

■ Main Boom with Aux. Sheave (2 Sheaves)



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 120.0t	6.6m x 108.0t									5.5
6	120.0			7.1m x 96.0t	7.6m x 84.0t							6
7	106.3	106.1	105.9	96.0t	84.0t	8.2m x 84.0t	8.7m x 72.0t					7
8	93.1	92.9	92.7	92.6	84.0			9.2m x 67.5t	9.7m x 60.0t			8
9	82.7	82.5	82.3	82.2	82.1	79.6	72.0			10.2m x 60.0t		9
10	74.3	74.1	73.9	73.8	73.7	73.4	71.3					10
12	61.5	61.4	61.1	61.0	60.9	60.6	59.1	58.9	58.5	55.3		12
14	51.6	51.5	51.4	51.3	51.3	51.1	50.2	50.0	49.6	47.2		14
16	43.0	42.9	42.8	42.7	42.6	42.4	42.4	42.2	42.1	41.0		16
18	36.5	36.6	36.4	36.4	36.3	36.1	36.0	35.8	35.7	35.5		18
20	19.7m x 28.7t	31.8	31.6	31.5	31.4	31.2	31.1	30.9	30.8	30.6		20
22		27.1	27.8	27.7	27.6	27.3	27.3	27.1	26.9	26.7		22
24		22.3m x 26.0t	24.7	24.6	24.5	24.2	24.1	23.9	23.8	23.6		24
26			24.9m x 23.3t	22.0	21.9	21.7	21.6	21.4	21.2	21.0		26
28				27.5m x 20.4t	19.8	19.5	19.4	19.2	19.0	18.9		28
30					17.9	17.7	17.6	17.4	17.2	17.0		30
32					30.1m x 17.8t	16.1	16.0	15.8	15.6	15.4		32
34						32.7m x 15.6t	14.6	14.4	14.2	14.0		34
36							35.3m x 13.8t	13.2	13.0	12.8		36
38								37.9m x 12.2t	11.9	11.7		38
40									11.0	10.8		40
42									40.5m x 10.8t	9.9		42
44										43.1m x 9.5t		44
46											9.5t	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)									
		10 falls	9 falls	8 falls	7 falls	6 falls	5 falls	4 falls	3 falls	2 falls	1 fall
135	2.35	135	121.5	108	94.5	81	67.5	54	40.5	27	-
80	1.35	-	-	-	-	80	67.5	54	40.5	27	-
35	1.07	-	-	-	-	-	-	-	35	27	-
13.5	0.62	-	-	-	-	-	-	-	-	-	13.5

- If the value is less than 1.4 ton after deduction of jib hook weight from the rated load shown above, operation is not available.
- 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

- If the value is less than 1.4 ton after deduction of jib hook weight from the calculated result of no.12, operation is not available.

■ Main Boom with Aux. Sheave (2 Sheaves)



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	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	40.5t	36.0t	36.0t	34.4t	14.4m x	14.9m x	15.5m x		12
14	46.9	46.6	44.4	40.5	36.0	36.0	34.3	27.0t	27.0t	23.8t		14
16	40.7	40.4	38.6	38.4	36.0	35.5	32.4	27.0	26.7	23.4		16
18	35.4	35.2	35.0	33.8	33.4	33.2	30.5	27.0	25.1	22.0		18
20	30.5	30.3	30.1	29.9	29.7	29.4	28.3	25.9	23.5	20.6		20
22	26.7	26.4	26.2	26.0	25.9	25.8	25.3	24.2	21.9	19.2		22
24	23.5	23.3	23.1	22.9	22.8	22.6	22.4	22.2	20.5	17.9		24
26	20.9	20.7	20.5	20.3	20.2	20.0	19.8	19.6	19.0	16.6		26
28	18.7	18.5	18.3	18.1	18.0	17.8	17.6	17.4	17.2	15.4		28
30	16.9	16.6	16.5	16.2	16.1	15.9	15.7	15.5	15.3	14.2		30
32	15.3	15.0	14.9	14.6	14.5	14.3	14.1	13.9	13.7	13.0		32
34	13.9	13.6	13.5	13.2	13.1	12.9	12.7	12.5	12.3	11.9		34
36	12.7	12.4	12.2	12.0	11.9	11.7	11.5	11.2	11.0	10.9		36
38	11.6	11.3	11.2	10.9	10.8	10.6	10.4	10.1	9.9	9.8		38
40	10.6	10.4	10.2	10.0	9.8	9.6	9.4	9.2	9.0	8.9		40
42	9.8	9.5	9.3	9.1	9.0	8.8	8.5	8.3	8.1	8.0		42
44	9.0	8.7	8.5	8.3	8.2	8.0	7.8	7.5	7.3	7.2		44
46	45.7m x	8.1	7.8	7.6	7.5	7.3	7.1	6.8	6.6	6.5		46
48	8.4t	7.4	7.2	7.0	6.8	6.6	6.4	6.1	5.9	5.8		48
50		48.3m x	6.6	6.4	6.2	6.0	5.8	5.6	5.3	5.2		50
52		7.3t	50.9m x	5.9	5.7	5.5	5.3	5.0	4.8	4.7		52
54			6.4t	53.5m x	5.2	5.0	4.8	4.5	4.3	4.2		54
56				5.5t	4.8	4.6	4.3	4.1	3.9	3.7		56
58					56.1m x	4.1	3.9	3.6	3.4	3.3		58
60					4.7t	58.7m x	3.5	3.3	3.0	2.9		60
62						4.0t	61.3m x	2.9	2.7	2.5		62
64							3.3t	63.9m x	2.3	2.1		64
66								2.6t	2.0	65.3m x		66
68									66.5m x	1.9t		68
70									2.0t			70

\* For notes about the table above, refer to page 26.

■ 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
135	2.35
80	1.35
35	1.07
13.5	0.62

- If the value is less than 1.4 ton after deduction of boom hook weight from the rated load shown above, operation is not available.
- 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

- If the value is less than 1.4 ton after deduction of boom hook weight from the calculated result of no.9, operation is not available.

■ 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	9.9	11.6	18.7m x 7.6t	8.3		5.8		14
16	12.0	9.4	11.4	7.4	7.9	22.5m x 5.9t	5.4		16
18	12.0	8.9	11.2	7.0	7.7	5.8	5.2	26.4m x 3.9t	18
20	12.0	8.5	10.9	6.7	7.5	5.5	5.0	3.9t	20
22	12.0	8.2	10.7	6.4	7.3	5.2	4.8	3.9	22
24	12.0	7.9	10.4	6.2	7.1	5.0	4.7	3.8	24
26	12.0	7.6	10.1	5.9	6.9	4.8	4.5	3.7	26
28	12.0	7.3	9.9	5.7	6.7	4.6	4.3	3.6	28
30	12.0	7.1	9.7	5.5	6.5	4.5	4.2	3.4	30
32	11.7	7.0	9.6	5.4	6.3	4.3	4.0	3.3	32
34	11.1	6.8	9.1	5.2	6.2	4.2	3.9	3.2	34
36	37.7m x 10.6t	6.7	8.6	5.1	6.0	4.1	3.8	3.2	36
38		6.7t	8.2	5.0	5.9	4.0	3.7	3.1	38
40			7.8	4.9	5.8	3.9	3.6	3.0	40
42			43.3m x 7.6t	4.9t	5.7	3.8	3.4	3.0	42
44					48.9m x 5.4t	3.8	3.4	2.9	44
46						50.4m x 3.7t	3.3	2.9	46
48							3.2	2.9	48
50							54.6m x 3.1t	2.9	50
52								56.4m x 2.9t	52
54									54
56									56
58									58
60									60

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

\* For notes about the table above, refer to page 28.

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 28.

■ 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

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)
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 28.

Crane Jib



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)									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	10	30	10	30	Offset Angle (°)
Working Radius (m)									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	62.6m x	5.6	3.8	3.4	2.9	64
66				4.8t	5.3	3.7	3.3	2.9	66
68					67.1m x	3.7	3.3	2.9	68
70					5.0t	68.6m x	3.2	2.9	70
72						3.7t	3.2	2.9	72
74							72.8m x	2.9	74
76							3.1t	74.6m x	76
78								2.8t	78

\* For notes about the table above, refer to page 28.



■ 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 28.

■ 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 28.

■ Crane Jib



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)
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 28.

■ 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	11.8		20.7m x 8.3t		22.8m x 5.7t		18
20	12.0	9.9t	11.8		8.3t		5.7t		20
22	12.0	9.8	11.7	24.4m x 7.4t	8.2		5.7t		22
24	12.0	9.5	11.5	7.4t	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	5.8t	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	3.8t	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 28.

■ 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	5.6		28
30	12.0	9.1	11.3	7.2	7.9	5.8t	5.5		30
32	12.0	8.9	11.1	7.0	7.7	5.7	5.4	32.6m x	32
34	12.0	8.7	11.0	6.8	7.6	5.6	5.2	3.8t	34
36	12.0	8.5	10.8	6.6	7.5	5.4	5.1	3.8	36
38	12.0	8.3	10.7	6.5	7.4	5.3	5.0	3.8	38
40	11.9	8.1	10.6	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 28.

■ 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	11.8		21.8m x 8.3t		23.8m x 5.7t		18
20	12.0	9.9t	11.8		8.3t		5.7t		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	7.4t	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	5.8t	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	3.9t	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	2.7t	72.2m x 2.6t	2.7	2.8	2.9	3.2	3.1	2.9	74
76		2.6t	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			2.2t	78.2m x 2.2t	2.2	2.4	2.4	2.7	80
82				2.2t	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					1.9t	1.9t	84.4m x 1.9t	2.0	86
88							1.9t	86.4m x 1.9t	88
90								1.9t	90

\* For notes about the table above, refer to page 28.

■ 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 28.

■ 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	10	30	10	30	Offset Angle (°)
Working Radius (m)									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 28.



■ 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 (°)	10	30	10	30	10	30	10	30	Offset Angle (°)
Working Radius (m)	10	30	10	30	10	30	10	30	Working Radius (m)
6.1	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 (°)	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	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	135	121.5	108	94.5	81	67.5	54	40.5	27	-
160	2.59	135	121.5	108	94.5	81	67.5	54	40.5	27	-
135	2.35	135	121.5	108	94.5	81	67.5	54	40.5	27	-
80	1.35	-	-	-	-	80	67.5	54	40.5	27	-
35	1.07	-	-	-	-	-	-	-	35	27	-
13.5	0.62	-	-	-	-	-	-	-	-	-	13.5

- If the value is less than 1.4 ton after deduction of jib hook weight from the rated load shown above, operation is not available.
- 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

- If the value is less than 1.4 ton after deduction of jib hook weight from the calculated result of no.11, operation is not available.

■ 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 41.

■ 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	8.7m x	8.7m x	8.7m x	8.7m x	8.7m x	8.7m x	8.7m x	8
9	72.0t	72.0t	72.0t	72.0t	72.0t	72.0t	72.0t	72.0t	9
10	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	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	35.3m x	35.3m x	35.3m x	35.3m x	35.3m x	35.3m x	35.3m x	36
38	13.0t	13.0t	12.6t	12.6t	12.2t	12.1t	11.7t	11.6t	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	9.2m x	9.2m x	9.2m x	9.2m x	9.2m x	9.2m x	9.2m x	8
9	67.5t	67.5t	67.5t	67.5t	67.5t	67.5t	67.5t	67.5t	9
10	67.5	67.5	67.5	67.5	67.5	67.5	67.5	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	37.9m x	37.9m x	37.9m x	37.9m x	37.9m x	37.9m x	37.9m x	38
40	11.4t	11.4t	11.0t	11.0t	10.6t	10.6t	10.1t	10.1t	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	9.7m x	9.7m x	9.7m x	9.7m x	9.7m x	9.7m x	9.7m x	8
9	60.0t	60.0t	60.0t	60.0t	60.0t	60.0t	60.0t	60.0t	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	40.5m x	40.5m x	40.5m x	40.5m x	40.5m x	40.5m x	40.5m x	42
	10.0t	10.0t	9.6t	9.6t	9.2t	9.2t	8.7t	8.7t	

\* For notes about the table above, refer to page 41.

■ 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 41.

■ Main Boom with 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)
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

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)									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 41.

■ 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)	10	30	10	30	10	30	10	30	Working Radius (m)
12.3	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	12.3
14	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	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)	10	30	10	30	10	30	10	30	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 41.

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

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)									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 41.

■ Main Boom with 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	10	30	10	30	Offset Angle (°)
Working Radius (m)	10	30	10	30	10	30	10	30	Working Radius (m)
14.4	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	14.4
16	27.0	27.0	27.0	27.0	27.0	27.0	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	1.9t	60
62	2.2	2.2	1.9	1.9	60.2m x 1.9t		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

\* For notes about the table above, refer to page 41.



# 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

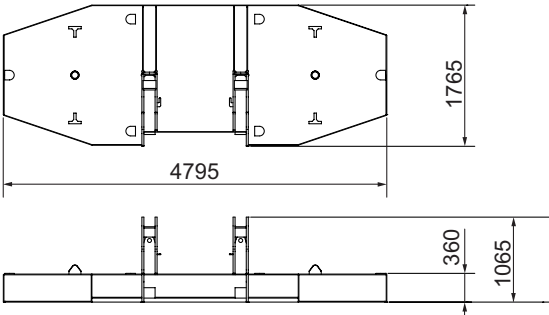
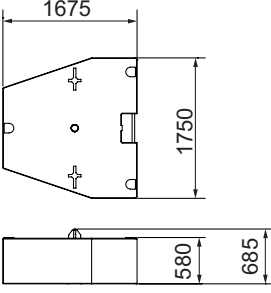
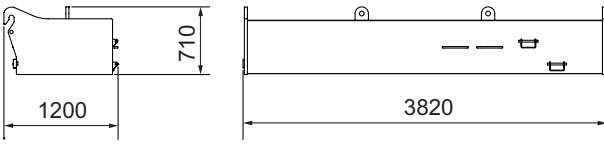
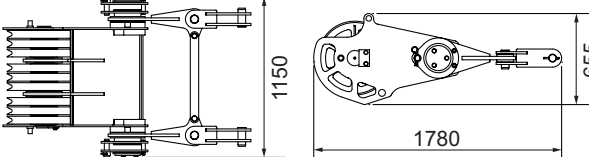
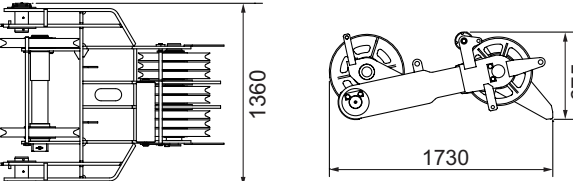
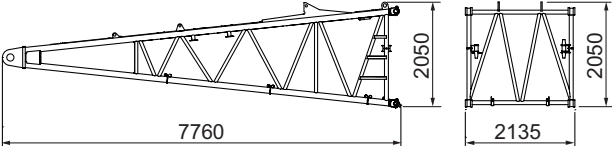
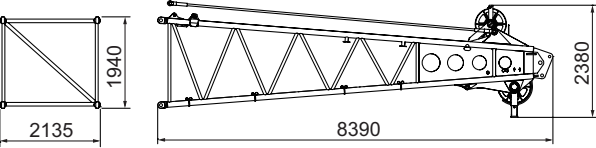
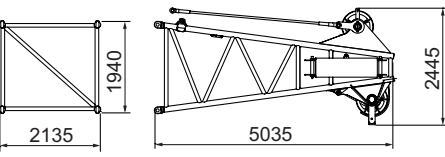
○ : With    — : Without

Description		Qty	Dimensions (mm)	Weight (kg)
Base Crane	○	1		40000
Backstop	○			
Boom Base	○			
Mast	○			
Front Winch Wire Rope	○			
Boom Hoist Wire Rope	—			
Jacks	○			
Upper & Lower Spreader	○			
Floats	○			
Base Crane	○			
Backstop	○	1		37700
Boom Base	—			
Mast	○			
Front Winch Wire Rope	○			
Boom Hoist Wire Rope	—			
Jacks	○			
Upper & Lower Spreader	○			
Floats	○			
Base Crane	○			
Backstop	—			
Boom Base	—			
Mast	—			
Front Winch Wire Rope	—			
Boom Hoist Wire Rope	—			
Jacks	○			
Upper & Lower Spreader	○			
Floats	○			
Base Crane	○			
Backstop	—	2		18900
Crawler (Assembly) (Lower Roller : 10 Pieces)	○			
Jack Beams	○	4	 Width 330	430
Boom Backstop	○	2		460
Mast	○	1	 Width 1230	1700

• With upper house handrails, the weight of the main unit increases by 160 kg.

• With catwalks, the weight of the main unit increases by 300 kg and the width of the main unit increases by 210 mm.

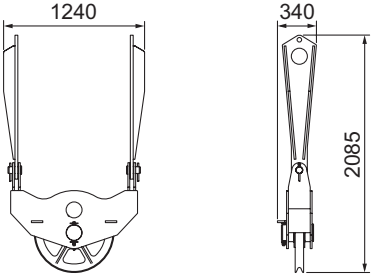
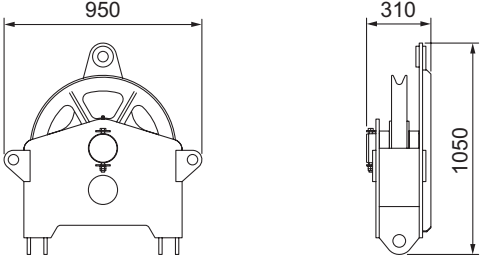
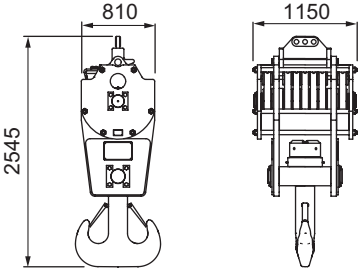
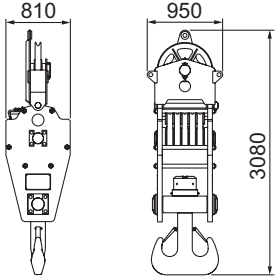
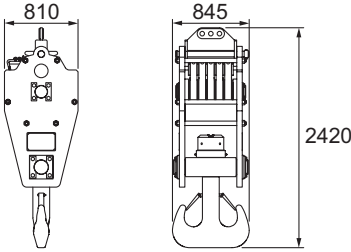
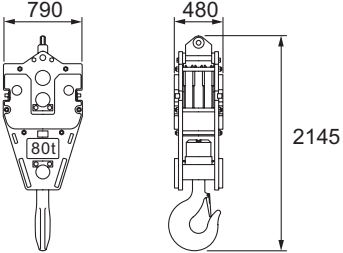
Weights and Dimensions of Disassembled Units

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

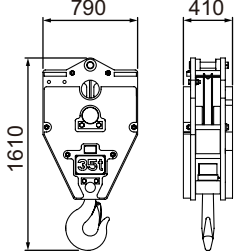
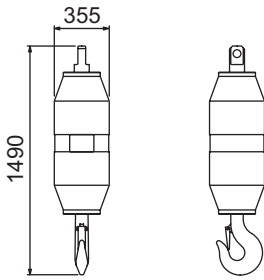
Weights and Dimensions of Disassembled Units

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 (135 t Hook + Hook Side Spreader)	1			2590
135 t Hook	1			2350
80 t Hook	1			1350

Weights and Dimensions of Disassembled Units

Description	Qty	Dimensions (mm)	Weight (kg)
35 t Hook	1		1070
13.5 t Hook	1		620

# Equipment List

## Standard and Optional Equipment

○ : Standard ● : Optional

Item		Crane
Lower Structure	1120 mm Shoe	○
	Jack Up Unit	○
	Crawler Side Frame Connecting Unit	○
	Steps	○
	Shoe Tension Unit (Hydraulic Type)	●
Upper Structure	Cab Up/Down Catwalk	○
	Under Cover (Bed Lower Surface)	○
	Working Light (× 2)	○
	Additional Working Light (× 2)	●
	Back Mirror (Left and Right)	○
	Central Lubrication Unit (For Turntable Bearing)	○
	Drum Flange Cover	○
	Auto Idle Stop	○
	Eco Winch	○
	Drum Light (Front Winch)	●
	Winch Rope Retainer (Front Winch)	●
	Winch Rope Retainer (Rear Winch)	●
	Catwalk with Handrails(Folding Type, Left and Right)	○
	Upper House Handrail	○
	Electric Fuel Pump	●
	Electric Urea Pump	●
	Synchronization Correction Control (Rotation sensor, Correction valve)	●
Winch with Front and Rear Free Mechanism (With Brake Mode Switch, Free-fall Assist System)	○	
Cab	Air Conditioner	○
	Sunvisor	○
	Sunshade	○
	Wiper with Washer (Front Window, Cab Roof Window)	○
	Microphone & Loudspeaker	●
	AM/FM Radio (With Clock)	○
	Room Lamp	○
	Cup Holder	○
	24-V Power Socket (× 2)	○
	Floor Carpet	○
	Level Gauge (In Cab & Lower Structure)	○
	Accelerator Pedal (Right)	●
	Arm Chair Lever	○
	Cross Operation Lever (Lever Lock Not Attached) <sup>*1</sup>	●
	Front Operation Lever (Lever Lock Attached)	●
	Standard Seat	○
	Suspension Seat	●
	Travel Operation Pedal (Cannot be installed when winch with free mechanism attached)	●
	Boom Hoist Operation Pedal <sup>*2</sup>	●
	Swing Brake Operation Pedal <sup>*2</sup>	●
	Fire Extinguisher	●
	Front/Rear Operation Lever, Brake Pedal Permutation	●
	Fuel Burning Heater (Light Oil)	●
Accelerator Grip	○	
Drum Rotation Sensor (Front/Rear/Boom Hoist) <sup>*3</sup>	○	
Speed Control Dial (Front/Rear/Boom Hoist/Swing)	○	
Life Hammer	○	

\*1 Cross operation lever can operate front, rear, boom hoist, and swing.

\*2 Cannot be installed at the same time.

\*3 Cannot be equipped when the cross operation lever or front operation lever is installed.

○ : Standard ● : Optional

Item		Crane	
Booms and Hooks	175 t Top Boom (4.5 m)	●	
	160 t Top Boom (7.5 m)	●	
	7.5 m Boom Base	○	
	3 m Boom Insert	●	
	6 m Boom Insert	●	
	9 m Boom Insert	●	
	Parts Set for 13 m Crane Jib [13 m Basic Jib, Anti-Two Block, Jib Mast]	●	
	6 m Crane Jib Insert	●	
	Midpoint Pendant Rope (Required when the boom length is 78 m or longer)	●	
	Auxiliary Sheave [Including Auxiliary Sheave, Anti-Two Block]	●	
	2 Auxiliary Sheaves [Including Auxiliary Sheave, Anti-Two Block]	●	
	Boom Top Side Spreader (Only for 160 t Lifting)	●	
	Hook Side Spreader (Only for 160 t Lifting)	●	
	175 t Hook (7 Sheaves)	●	
	160 t Hook (6 Sheaves)	●	
135 t Hook (5 Sheaves)	●		
80 t Hook (3 Sheaves)	●		
35 t Hook (1 Sheave)	●		
13.5 t Hook	●		
Wire Rope	Front Winch ( φ 28)	○	
	Rear Winch ( φ 28)	P · S (19) + 39 x P · 7	●
		Mono Rope EP 3 x F (40)	●
	Boom Hoist Winch ( φ 22.4)	IWRC 6 x P · WS (31)	○
Safety Device	Moment Limiter (M/L)	○	
	3 Color Percentage Indicator	●	
	Gate Lock Lever	○	
	Individual Winch Operation Lever Lock (Front, Rear, Hoist, Travel) *4	○	
	Automatic Drum Lock (Boom Hoist)	○	
	Winch Drum Lock (Front, Rear)	○	
	Lowering Limiter (Winch Drum Dead Turns Detective Device)	●	
	Swing Lock	○	
	Swing Alarm	○	
	Travel Alarm	○	
	Auto Slowdown (Slow Stop)	○	
	Boom Hoist Limiting Device	○	
	Secondary Boom Hoist Limiting Device	○	
	Warning Alarm	○	
	Monitor	○	
	Engine Start Interlock System	○	
	Emergency Engine Stop Switch (In Cab)	○	
	Lifting Height Indication Device	○	
	Anti-Two Block	○	
	Moment Limiter (M/L) Mode Selector (In Left House)	●	
Swing Restriction Unit	●		
Anemometer	○		
Obstacle Light (Fixed Lights)	●		
Drum & Rear View Monitor System	●		
Cab Roof Window Guard	●		

\*4 An operation lever lock is not attached to the front, rear or hoist when the cross operation lever is installed.

○ : Standard ● : Optional

Item		Crane
Common Parts	Boom Foot Pin Removal/Installation Cylinder	●
	Boom Back Stop	○
	Boom Angle Sensor	○
	Boom Lifting Piece	○
	Remote Sensing (Mobile Communication Terminal, Logging Device)	○
	Assembly Pad	● <sup>*5</sup>
	Reduction Counter Weight Specification	● <sup>*6</sup>
	Skywalk (With Stanchion)	●
	Skywalk (Without Stanchion)	●
	Boom Top Under Surface Buffer (Protector)	●
	Load Table Sign (Whiteboard, Boom Base Installation)	●
	Insertable Company Name Plate (Both side surfaces of the machine)	●
	Reeving Winch (4 × F (30) φ 8 mm × 250 m)	● <sup>*7</sup>
	Sling Ropes for Disassembly and Assembly (For Counter Weight and Crawler)	●
Additional Spare Parts (Hydraulic Oil Filter)	●	
Additional Tools (Large Hammer, Crowbar, Chisel)	●	
Others	Standard Supplied Tools	○
	Standard Spare Parts	○

\*5 The assembly pad is required for the following attachments.

	W/o Skywalk	With Skywalk
Main Boom	84 m	81 m
Main Boom with Auxiliary Sheave	78 m	78 m
Main Boom + Crane Jib	72 m + 25 m	72 m + 25 m
	72 m + 31 m	72 m + 31 m

\*6 The reduction counter weight specification can only be used for the crane specification, with the exception of the crane jib.

\*7 Reeving winch (Maximum line pull: 11.8 kN (1,200 kg))

## Standard Equipment for European specification only

Item		Crane
European specification	Cross Operation Lever (Lever Lock not Attached) <sup>*8</sup>	○
	Seat with Suspension	○
	3 Color Percentage Indicator Light	○
	Lowering Limiter (Winch Drum Dead Turns Detective Deive)	○
	Moment Limiter (M/L) Mode Selector (In Left House)	○

\*8 Cross operation lever can operate front, rear, boom hoist, and swing.



A series of horizontal dashed lines for writing, followed by a solid horizontal line at the bottom.





- 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.

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