



**TADANO**

Tadano All Terrain Crane

# **ATF-100G4 (J)**

## Specifications

Model name	ATF-100G4 (J)
Carrier	FAUN ATF100G-4
Spec. No.	ATF-100G-2-90101

**Tadano Ltd.**

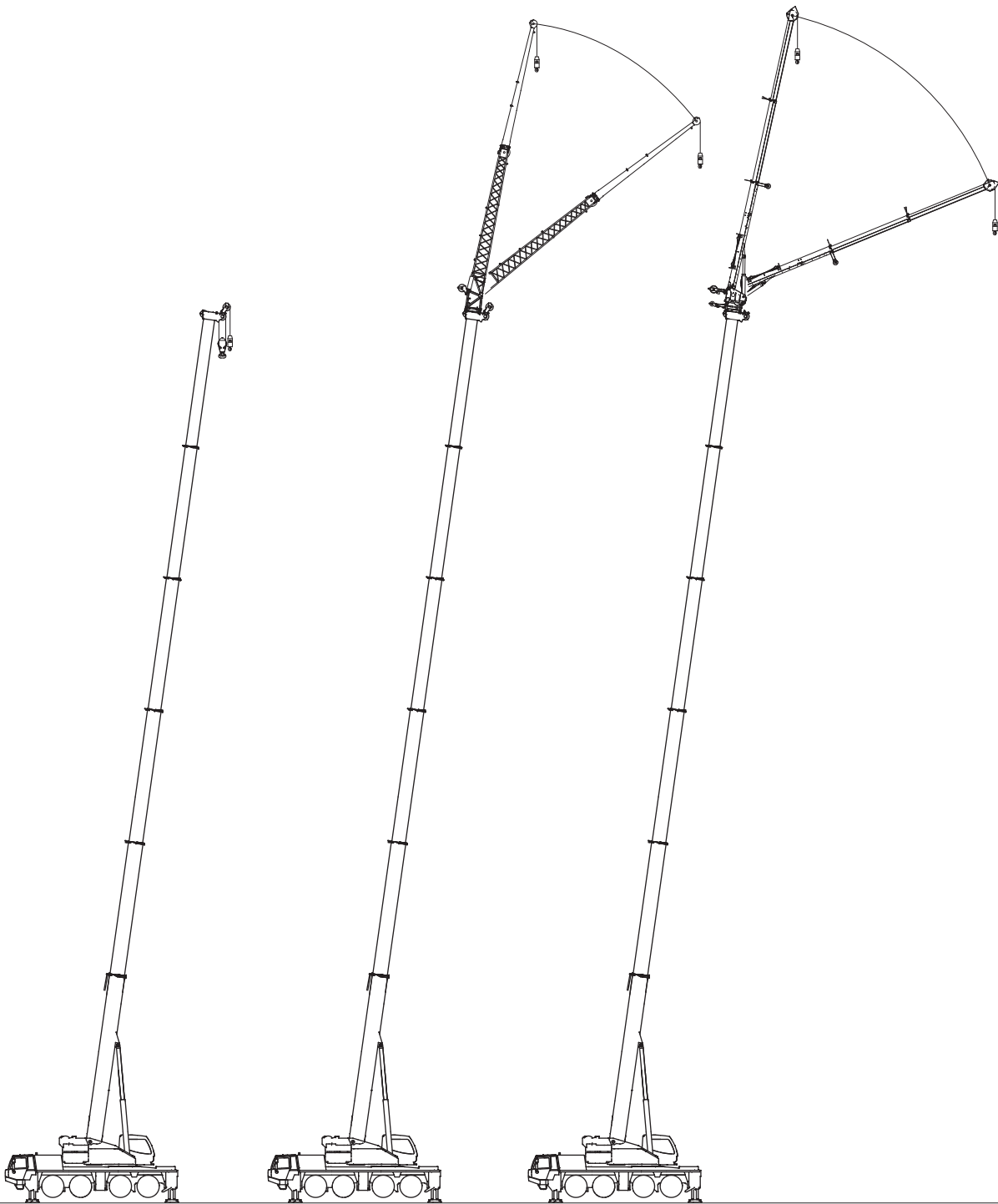
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# Configuration

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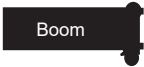


Boom


Hydraulic tilt jib  
HLJ

Full automatic luffing jib  
FLJ


Select the rated lifting capacity table according to the combination of counterweight and outrigger extension width, and read the values in the corresponding page.

Boom							
 Boom	Outrigger extension width \ Counterweight	25 t	21 t	15 t	9 t	5 t	0 t
	7.2 m	A	B	C	D	E	F
	6.0 m	G	H	I	J	K	L
	5.0 m	M	N	O	P	Q	R
	2.55 m	-	-	-	-	-	S,T

Boom

Boom + Hydraulic tilt jib (HLJ)							
 Boom HLJ	Outrigger extension width \ Counterweight	25 t	21 t	15 t	9 t	5 t	
	7.2 m	A	B	C	D	E	
	6.0 m	G	H	I	J	K	
	5.0 m	M	N	O	P	Q	

HLJ

Boom + Full automatic luffing jib (FLJ)							
 Boom FLJ	Outrigger extension width \ Counterweight	25 t	21 t	15 t	9 t	5 t	
	7.2 m	A	B	C	D	E	
	6.0 m	G	H	I	J	-	
	5.0 m	M	N	O	-	-	

FLJ

Note: Do not perform crane operations with combinations marked with the '-' mark.

# Specifications

## ■ Crane

Boom	11.1 m	100,000 kg × 2.3 m (2 × 10 parts of line, with attachment)
	14.8 m	54,600 kg × 4.5 m (11 parts of line)
	18.5 m	54,600 kg × 3.5 m (11 parts of line)
	22.1 m	45,600 kg × 5.0 m (9 parts of line)
	25.8 m	40,900 kg × 4.5 m (8 parts of line)
	29.5 m	31,300 kg × 5.0 m (6 parts of line)
	33.2 m	23,800 kg × 8.0 m (5 parts of line)
	36.9 m	19,700 kg × 9.0 m (4 parts of line)
	40.5 m	15,800 kg × 10.0 m (3 parts of line)
	44.2 m	12,900 kg × 12.0 m (3 parts of line)
47.9 m	10,200 kg × 16.0 m (2 parts of line)	
51.2 m	8,900 kg × 16.0 m (2 parts of line)	
Single top		5,600 kg (1 part of line)
Hydraulic tilt jib (HLJ)	10.0 m HLJ	11,000 kg × 8.0 m (2 parts of line)
	18.0 m HLJ	5,600 kg × 11.0 m (1 part of line)
Full automatic luffing jib (FLJ)	1.5 m + 7.4 m FLJ	5,600 kg × 26.0 m (1 part of line)
	1.5 m + 12.4 m FLJ	4,300 kg × 22.0 m (1 part of line)
	1.5 m + 17.4 m FLJ	2,500 kg × 26.0 m (1 part of line)
Maximum lifting height	Boom	52.0 m (8.9 t)
	HLJ	70.0 m (2.7 t)
	FLJ	70.0 m (1.9 t)
Maximum load radius	Boom	48.0 m (1.7 t)
	HLJ	62.0 m (0.6 t)
	FLJ	54.0 m (0.7 t)
Boom/jib length	Boom	11.1 m to 51.2 m
	HLJ	10.0 m, 18.0 m
	FLJ	1.5 m + 7.4 m to 17.4 m
Boom/jib type	Boom	Box-shaped 6-section hydraulic telescoping type, pin lock type for each section
	HLJ	Lattice-shaped 1-section + box-shaped 1-section Offset 5° to 40°, hydraulic stepless tilt type
	FLJ	Box-shaped 3-section simultaneous telescoping type Offset 5° to 60°, hydraulic stepless tilt type
	Single top	Installed to top boom section, side-folded stowing type
Boom/jib telescoping system	Boom	1 double-acting direct-pushing hydraulic cylinder
	FLJ	1 double-acting direct-pushing hydraulic cylinder 1 wire-rope boom telescoping system
Boom extension speed		40.1 m/290 s
Hook block		55 t hook block (5-sheave) 18 t hook block (1-sheave) 5.6 t hook block
Hoisting system		Hydraulic motor driven planetary gear speed reducer Automatic brake 2 single winches
Wire rope	Main winch	Dia. 18 mm × length 265 m, non-rotating wire rope
	Auxiliary winch	Dia. 18 mm × length 230 m, non-rotating wire rope
Hoist up speed	Main winch	118 m/min (4 th layer)
	Auxiliary winch	118 m/min (4 th layer)
Boom elevating system		1 double-acting direct-pushing hydraulic cylinder
Boom raising speed		-0.5° to 82.0°/30 s
Slewing system		Hydraulic motor driven planetary gear speed reducer Ball slewing bearing Manual switch type slewing free Hydraulically-operated slewing lock Manual switch type brake
Slewing angle		360° continuous
Slewing speed		2.1 min <sup>-1</sup>
Counterweight		25 t, 21 t, 15 t, 9 t, 5 t
Outriggers		Fully hydraulic H-type Extension width: Max. 7.2 m, Mid. 6.0 m, 5.0 m, Min. 2.55 m Slide and jacks with independent operation device With pins for slide lock Slide-in float
Upper engine	Type	Benz OM934 Water-cooled 4 cycle, in-line 4-cylinder, direct injection Exhaust turbocharging diesel engine with intercooler With urea SCR system
	Displacement	5.13 L
	Maximum output	129 kW {175 PS} / 2,200 min <sup>-1</sup> {rpm}
	Maximum torque	750 N·m {76 kgf·m} / 1,200 to 1,600 min <sup>-1</sup> {rpm}

Fuel tank capacity	220 L
AdBlue tank capacity	15 L
Hydraulic pump	High-pressure variable piston pump × 2 pcs High-pressure piston pump × 1 pc High-pressure gear pump × 1 pc
Safety device	Load moment indicator (AML) Working range limit function Hook block travel amount display function Automatic outrigger extension width detector (individually-detected type) Slewing range limit function Automatic slewing stop function Boom elevation slow stop function Anti-two-block device Over-unwinding cutout device Level Hook safety latch Slewing lock device Hydraulic safety valve Hydraulic lock device (telescoping, elevating, hoisting, jack)
Standard equipment	Counterweight mounting/dismounting device Boom elevation slow speed mode setting device Slewing slow speed mode setting device Jib tilt slow speed mode setting device Hoist-up slow speed mode setting device AML external warning lamp Anemometer Oil cooler Crane cab air conditioner Radio Drum monitor Slewing auditory alarms Loudspeaker Mobile communication device (HELLO-NET Owner's Site)

## ■ Carrier

Maximum speed		85 km/h
Gradability		tanθ = 0.7
Minimum turning radius		8.7 m
Overall length		13,000 mm
Overall width		2,780 mm
Overall height		3,850 mm
Wheel base		1,700 mm + 2,440 mm + 1,750 mm
Wheel track		2,345 mm
Gross vehicle weight (Traveling configuration on public roads)	Overall vehicle weight	39,500 kg
	Front axle	22,970 kg (1st axle + 2nd axle)
	Rear axle	16,530 kg (3rd axle + 4th axle)
Seating capacity		2 persons
Engine	Type	Benz OM470LA, Water-cooled, 4-cycle, 6-cylinder direct injection Exhaust turbocharging diesel engine with intercooler With urea SCR system
	Displacement	10.677 L
	Maximum output	320 kW {435 PS} / 1,700 min <sup>-1</sup> {rpm}
	Maximum torque	2,100 N·m {214 kgf·m} / 1,300 min <sup>-1</sup> {rpm}
Fuel tank capacity		400 L
AdBlue tank capacity		40 L
Transmission	Type	ZF AS Tronic Automatic transmission with intertarder brake
	Speeds	12 forward and 2 reverse speeds
Drive type		8 × 4 (6) (2nd axle) + 3rd axle + 4th axle, with differential lock device
Axle system		Full-floating type
Suspension		All-axle hydro-pneumatic suspension, with leveling adjustment Suspension stroke: +150 mm, -50 mm
Steering		Left-hand drive, dual-circuit system power steering with emergency steering pump, with special steering mode
Brakes	Main brake	Pneumatic all-wheel brake, dual-circuit system, equipped with ABS
	Parking brake	Spring brake system on 2nd/3rd/4th axles
	Auxiliary brake	Transmission-integrated intertarder
Tires		385/95 R25 170F ROAD (all wheels)
Batteries		12 V -170 Ah × 2 (24 V)
Standard equipment		Air conditioner, radio, centralized lubrication system Bunk bed for resting, back monitor

# Traveling

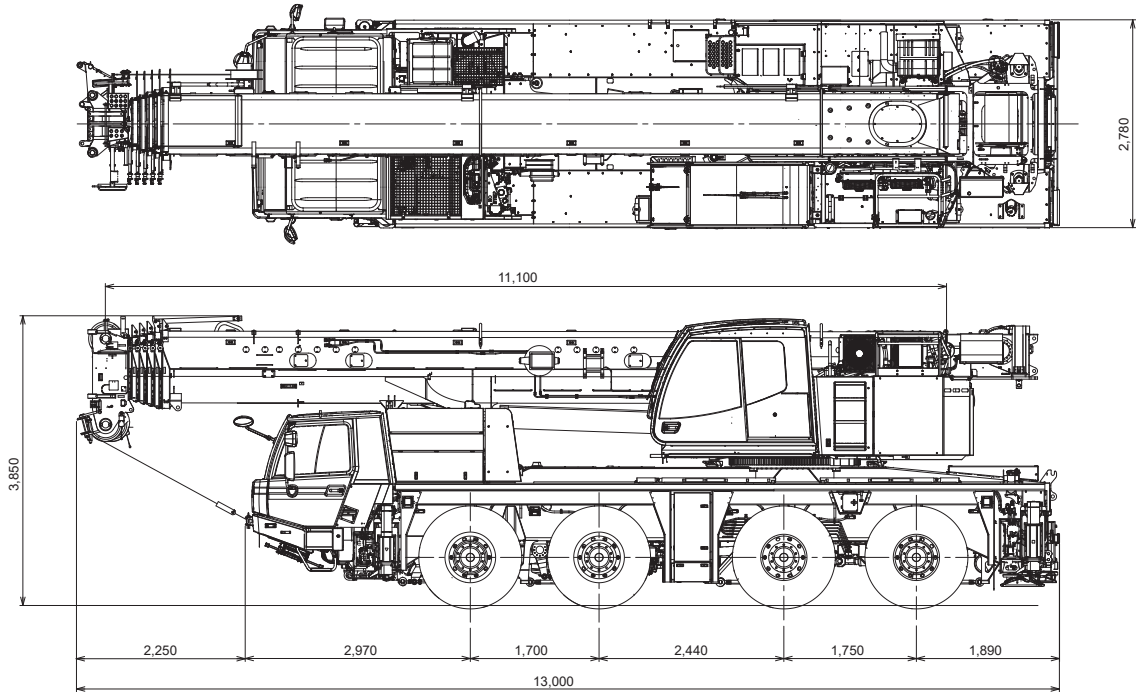
## Traveling configuration on public roads

Unit (mm)

### ● 39.5 t

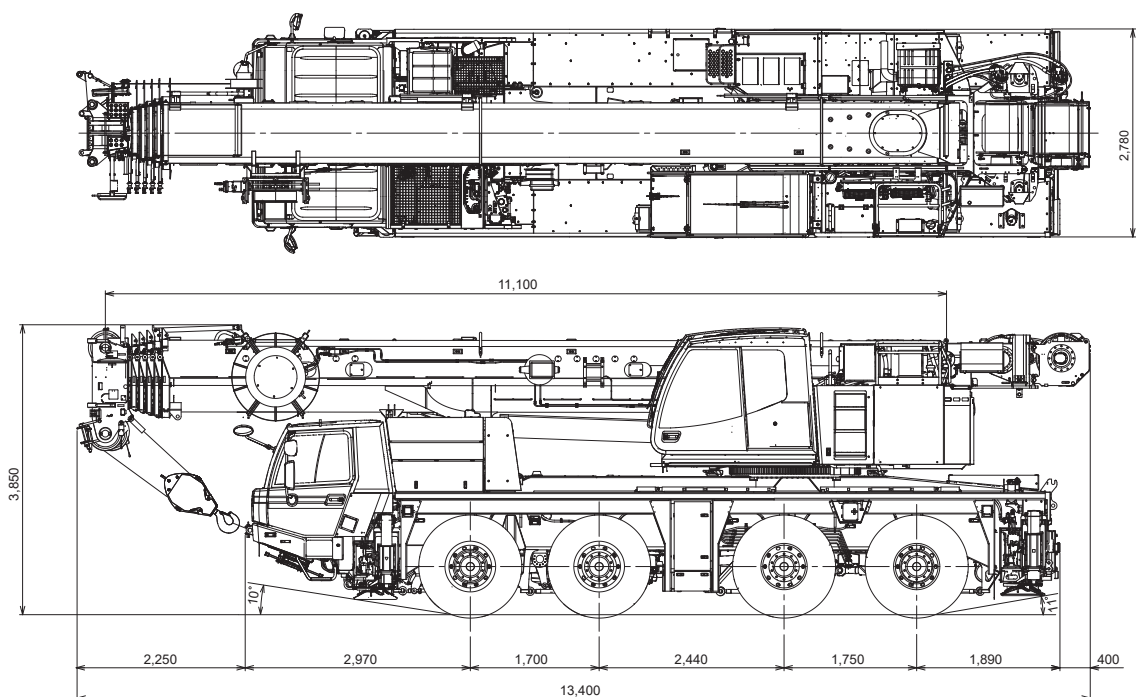
(Precautions for traveling on public roads)

1. The jib, auxiliary winch, counterweight device, and hose reel must be transported separately.
2. Certification for relaxation of safety standards according to the safety regulation for road vehicle is required.
3. We have obtained (provisional) conformity certificates under the New Vehicle Development Certification System, but travel conditions are granted based on the calculations of the road administrator for each route.



## Traveling configuration in work sites

Unit (mm)



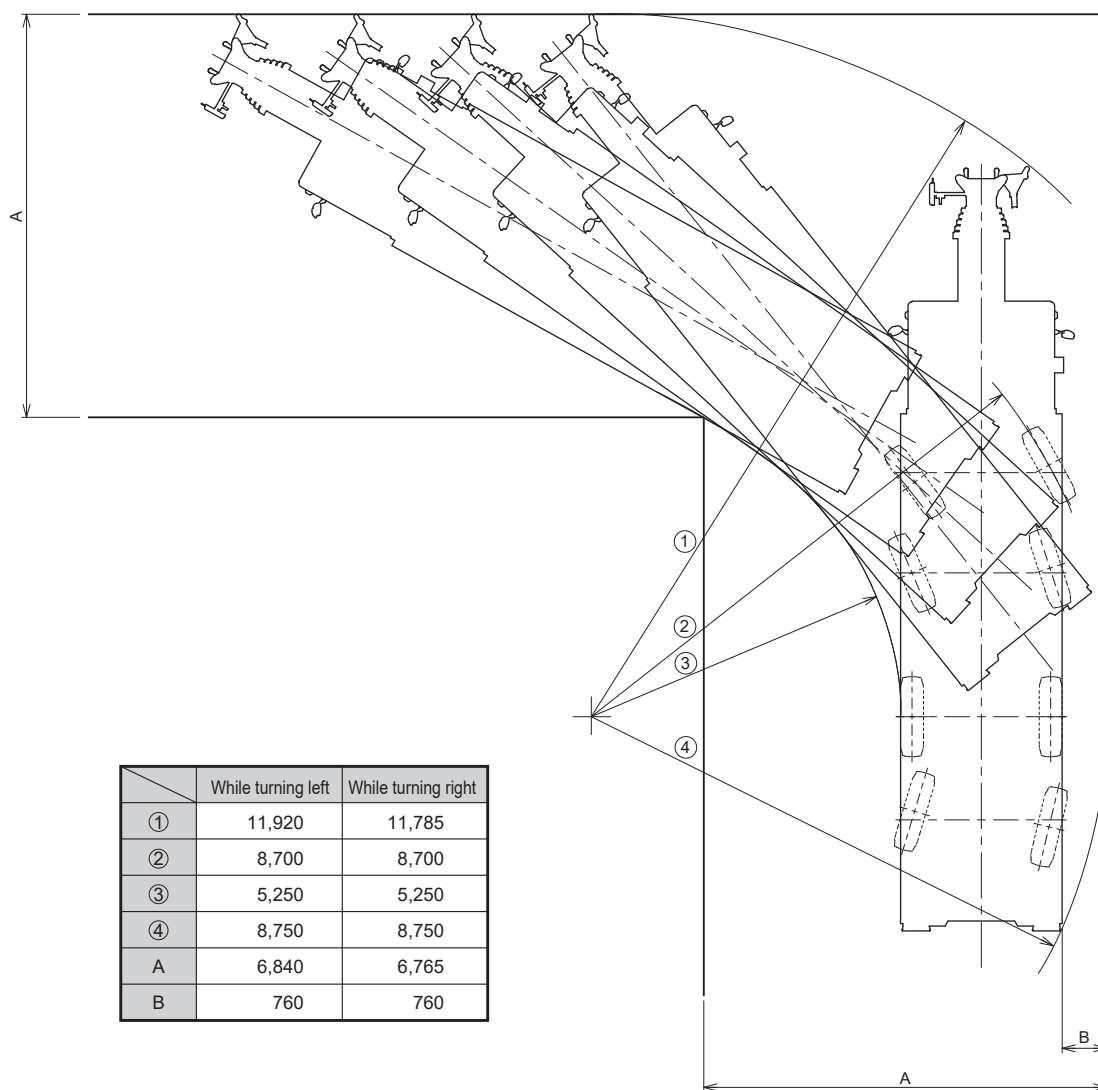
+150 mm, -50 mm (Suspension)

Ground clearance: 215 mm

# Traveling

## ■ Minimum right-angle passage width

Unit (mm)

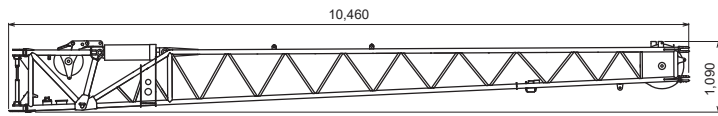


# Transport

## Components disassembled for transport

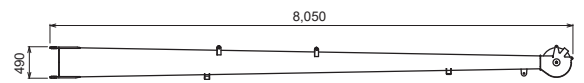
Unit (mm)

● Hydraulic tilt jib (HLJ) 1.0 t



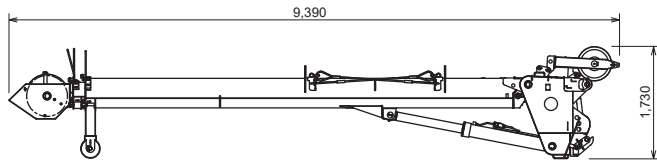
Width 980

0.4 t



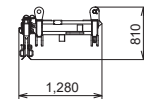
Width 530

● Full automatic luffing jib (FLJ) 2.2 t



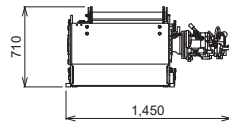
Width 1,090

● Adapter 0.2 t



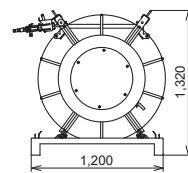
Width 1,290

● Auxiliary winch 1.0 t



Length 780

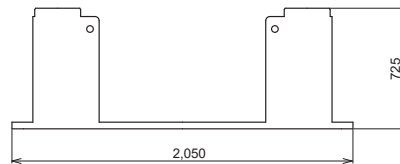
● Hose reel 0.2 t



Width 800

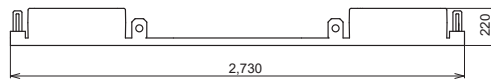
● Counterweight (C/W)

① 0.9 t



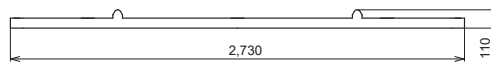
Length 1,380

② 2.5 t



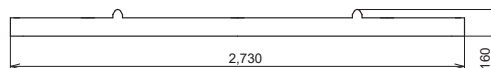
Length 1,640

③ 1.6 t



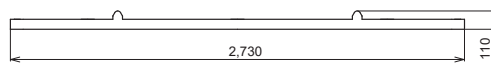
Length 1,640

④ 2.9 t



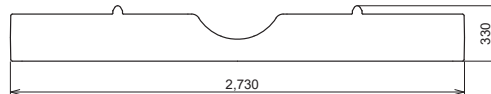
Length 1,640

⑤ 1.6 t



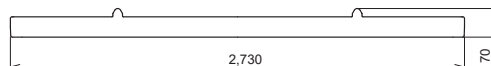
Length 1,640

⑥ 6.2 t



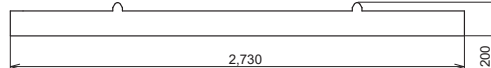
Length 1,640

⑦ 2.9 t × 2 pcs



Length 1,640

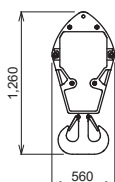
⑧ 4.0 t



Length 1,640

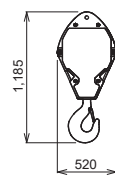
● Hook block

55 t hook block 0.65 t



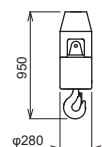
Width 550

18 t hook block 0.3 t



Width 265

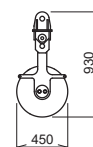
5.6 t hook block 0.18 t



Width 280

● Attachment sheave

+ adapter 0.1 t



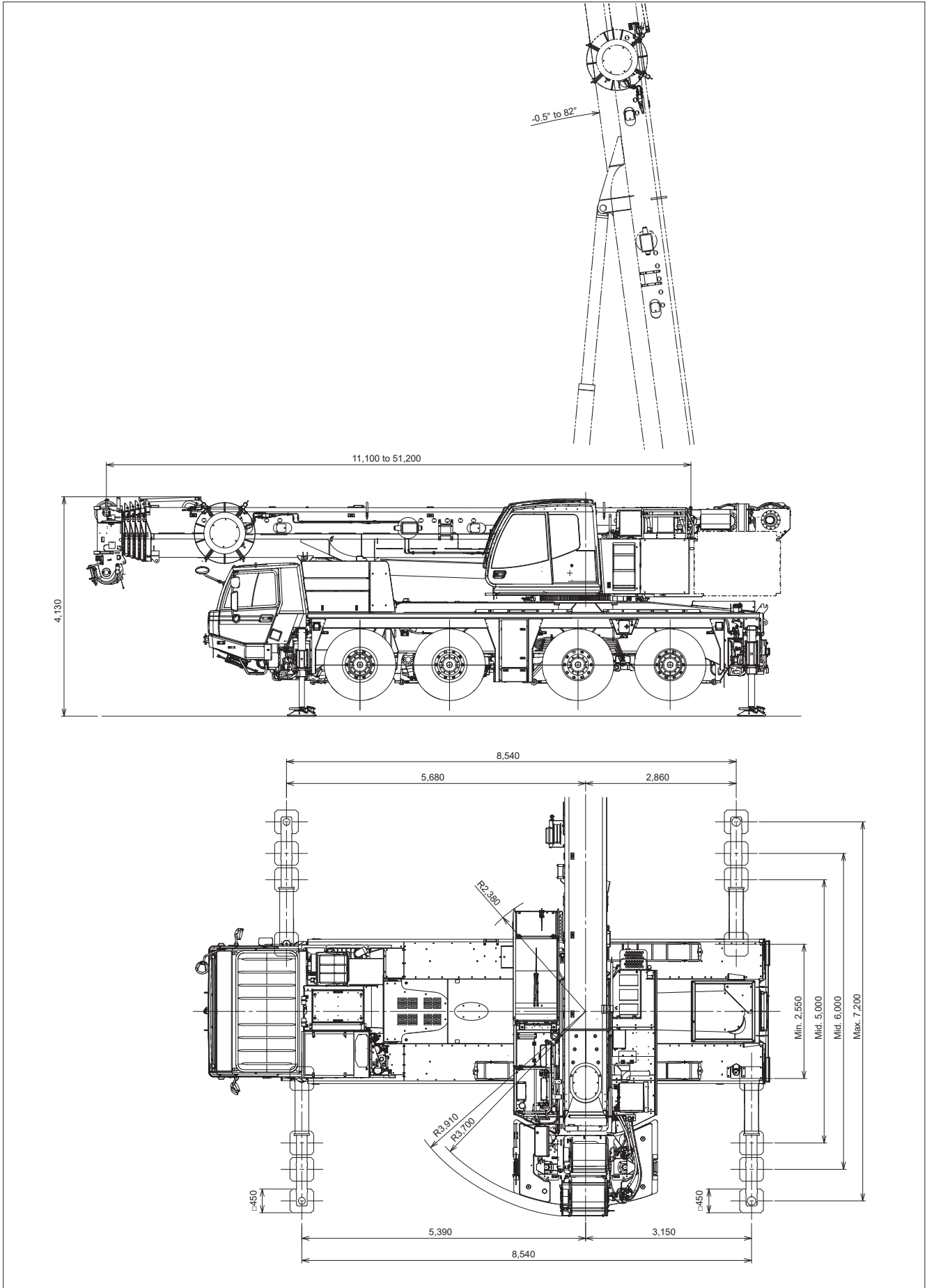
Width 1,210

There are other accessories included.

# Installation

## ■ Outrigger extension width/tail swing

Unit (mm)



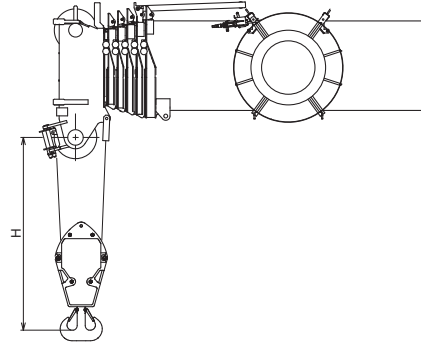
# Installation

## ■ Hook block dimensions

Unit (mm)

H: Distance between the head sheave center and hook upper surface

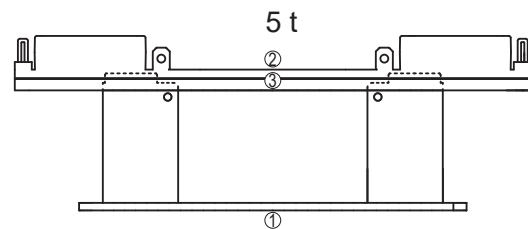
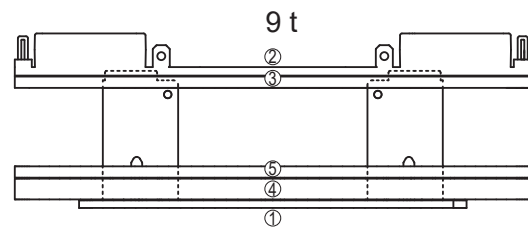
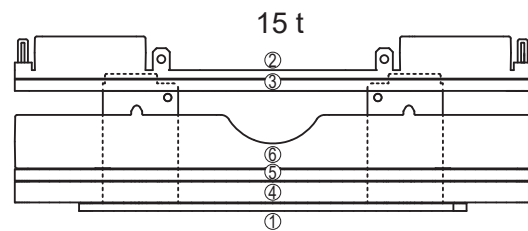
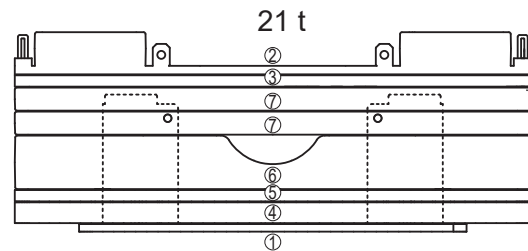
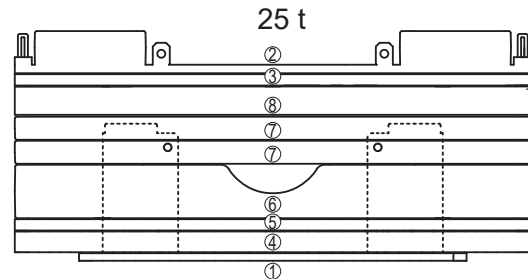
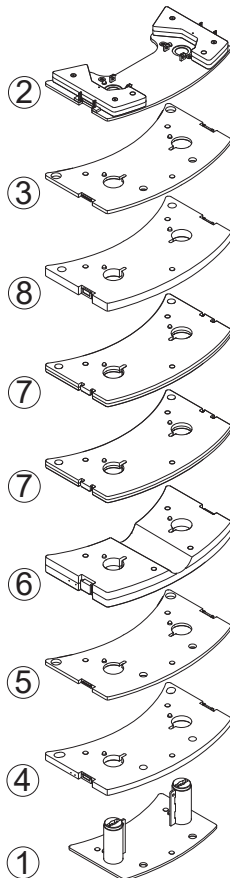
	55 t hook block	18 t hook block	5.6 t hook block
Boom	2.0 m	2.0 m	
Single top			2.8 m
10 m HLJ		2.9 m	3.0 m
18 m HLJ			2.8 m
FLJ			3.0 m



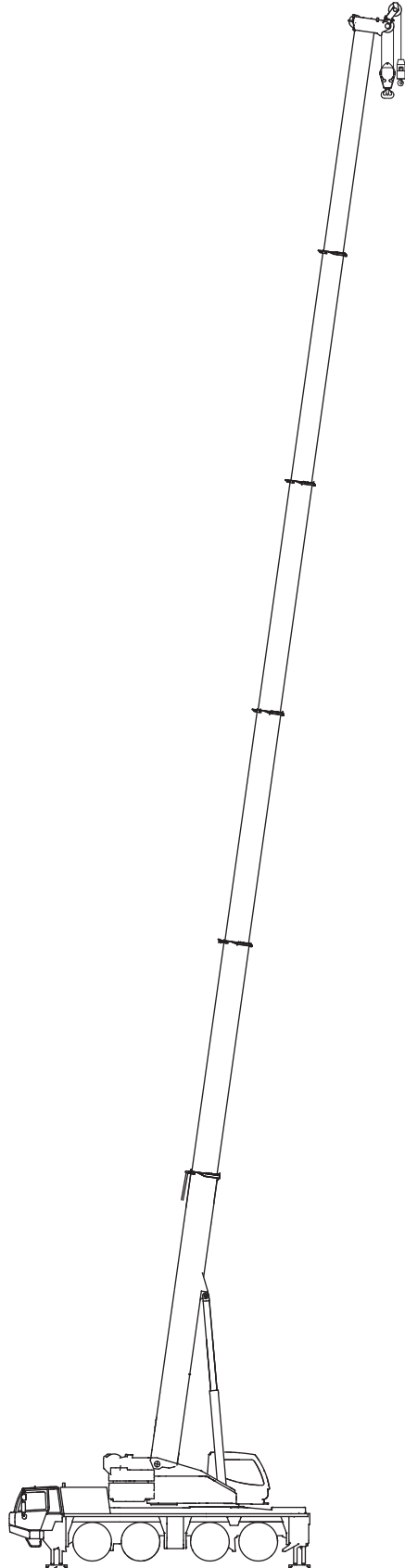
## ■ Combinations of counterweight (C/W)

● Indicates the number of weights to be used

Weight Name (Actual weight)	Weight ① 0.9 t	Weight ② 2.5 t	Weight ③ 1.6 t	Weight ④ 2.9 t	Weight ⑤ 1.6 t	Weight ⑥ 6.2 t	Weight ⑦ 2.9 t	Weight ⑧ 4.0 t
25 t (25.5 t)	1	1	1	1	1	1	2	1
21 t (21.5 t)	1	1	1	1	1	1	2	
15 t (15.7 t)	1	1	1	1	1	1		
9 t (9.5 t)	1	1	1	1	1			
5 t (5.0 t)	1	1	1					



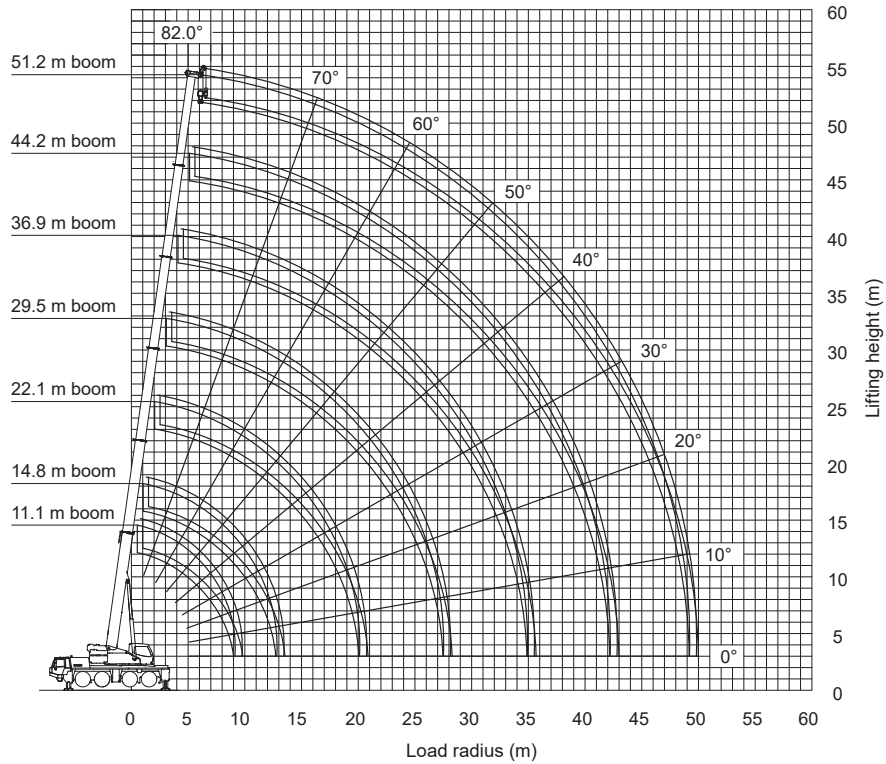
# All Terrain Crane ATF100G-4 Boom



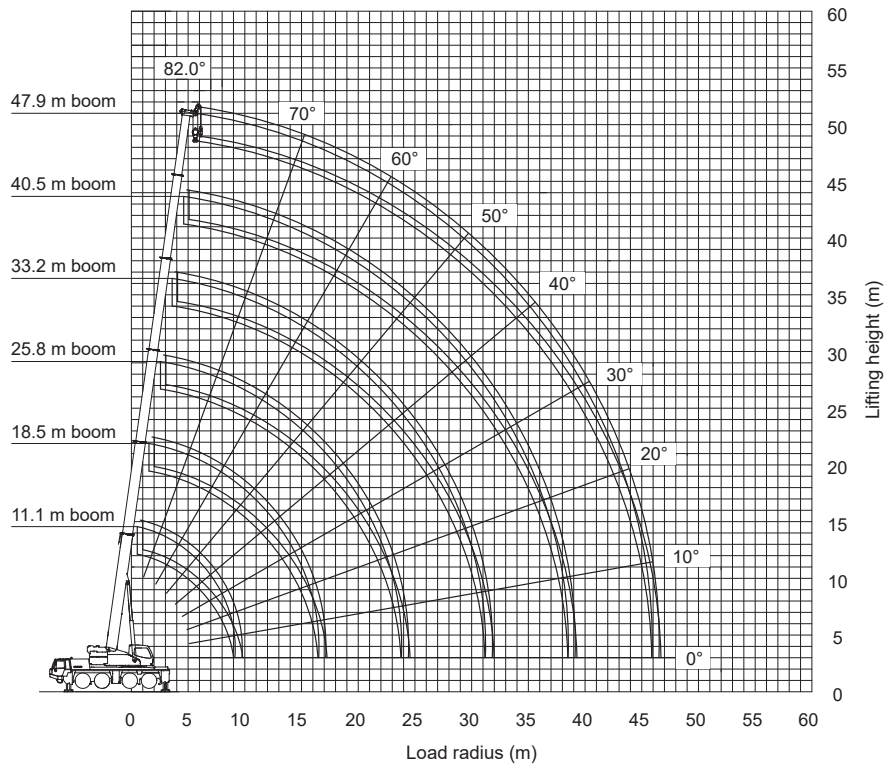
Boom

# Boom

## Working range chart for boom



Note: 1. The above drawing does not consider any boom deflection.  
 2. The above drawing shows the capacity A.



Note: 1. The above drawing does not consider any boom deflection.  
 2. The above drawing shows the capacity A.

## Rated lifting capacity table for boom

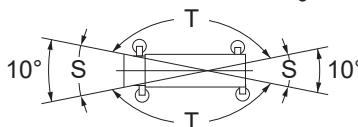
### ■ Precautions on rated lifting capacity table

◆ Capacity classifications A to T of the rated lifting capacity table are as follows in the table below.

Outrigger extension width \ Counterweight	25 t	21 t	15 t	9 t	5 t	0 t
7.2 m	A	B	C	D	E	F
6.0 m	G	H	I	J	K	L
5.0 m	M	N	O	P	Q	R
2.55 m						S, T

\* The rated lifting capacity varies depending on the boom extension state even with the same capacity classification and boom length.

\* The capacity classifications S and T apply up to the 22.1 m boom and the working area is as shown in the figure.



◆ The rated lifting capacity indicates the values including the weights of the lifting devices and hook block (55 t hook block: 650 kg, 18 t hook block: 300 kg, 5.6 t hook block: 175 kg).

◆ The rated lifting capacity is based on the actual weight radius considering boom deflection.

◆ When the number of parts of line used is less than the standard one specified in the rated lifting capacity table, the upper limit of the maximum load is as follows in the table below.

Number of parts of line	11	10	9	8	7	6	5	4	3	2	1
Maximum load	54.6 t	50.2 t	45.6 t	40.9 t	36.1 t	31.3 t	26.3 t	21.3 t	16.1 t	11.0 t	5.6 t

◆ When the single top is used, the number of parts of line is 1 (5.6 t hook block used). The rated lifting capacity is the value obtained by subtracting the weight of the hook block attached to the boom from the boom rated lifting capacity, and the upper limit is 5.6 t.

◆ The rated lifting capacity assumes that the outriggers are set horizontally on firm and level ground.

◆ An effect of the wind is not included in the values in the rated lifting capacity table. Suspend the crane operation if the maximum instantaneous wind velocity is 10 m/s or more.

#### Explanation on lines and terms in rated lifting capacity table

◆ Values above the thick line are based on the structural strength factor of the crane, and values below the thick line are based on the stability factor of the crane.

◆ "Maximum load without pin" indicates the upper limit of the rated lifting capacity when the B-pins (boom fixing pins) are not inserted.

◆ "θ (°)" indicates the boom angle range in which no-load operation is enabled.

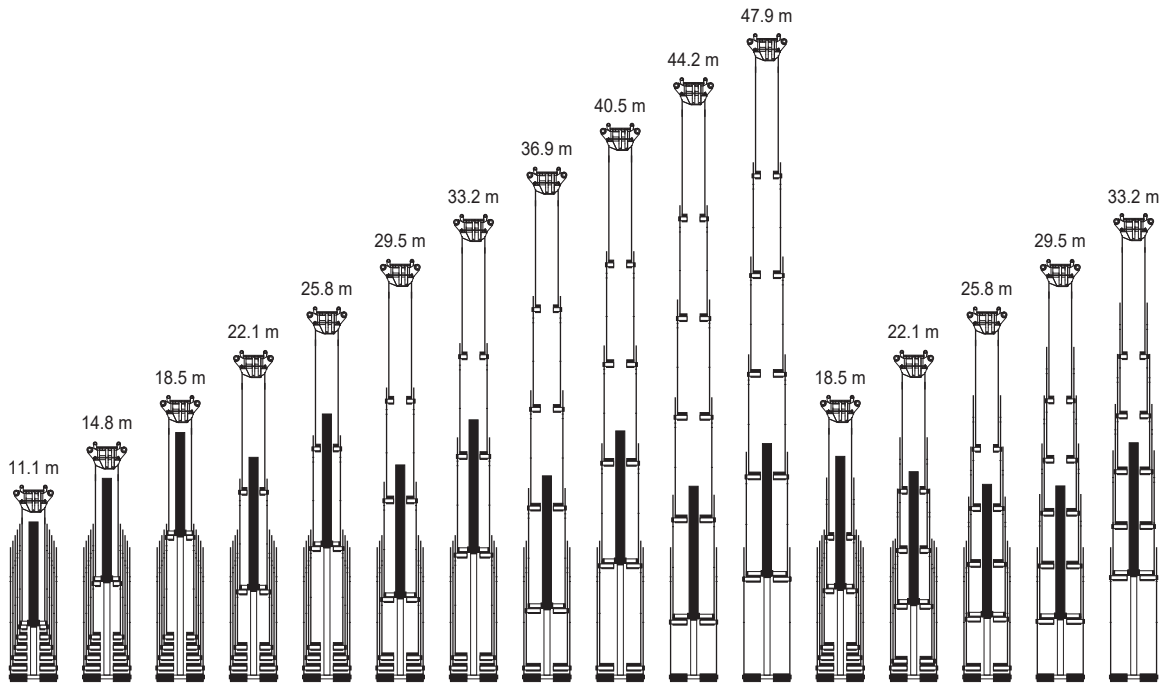
◆ "Standard number of parts of line with main winch" indicates the standard number of parts of line when the main winch is used.

◆ "Standard number of parts of line with aux. winch" indicates the standard number of parts of line when the auxiliary winch is used. The number of parts of line may be fewer than that for the main winch due to the shorter length of wire rope.

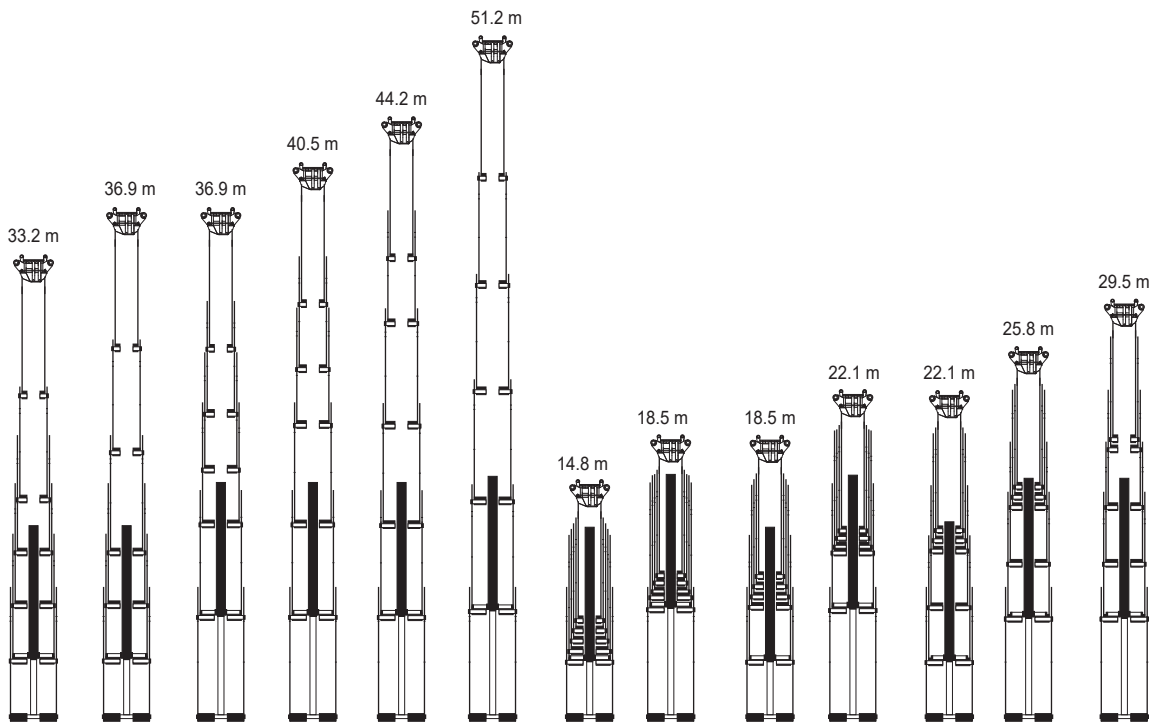
◆ "Maximum load with aux. winch" indicates the upper limit of the rated lifting capacity when the auxiliary winch is used.

# Boom

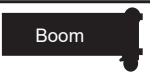
■ Capacity block diagram



Capacity block	1											2				
Capacity No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16



Capacity block	3	4	5	6	7	8	9	10	11	12			
Capacity No.	17	18	19	20	21	22	23	24	25	26	27	28	29



[Capacity A]

Boom

Table with columns for Capacity block, Capacity No., Boom length (m), Load radius (m), and various load capacities (2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 6.0, 7.0, 8.0, 9.0, 10.0, 11.0, 12.0, 14.0, 16.0, 18.0, 20.0, 22.0, 24.0, 26.0, 28.0, 30.0, 32.0, 34.0, 36.0, 38.0, 40.0, 42.0, 44.0, 46.0, 48.0) and Maximum load without pin. Includes a note: Counterweight 25 t, outrigger extension width 7.2 m. The \* mark indicates the value with attachments and is limited to over-rear operations.

[Capacity B]

Boom

Table with columns for Capacity block, Capacity No., Boom length (m), Load radius (m), and various load capacities (2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 6.0, 7.0, 8.0, 9.0, 10.0, 11.0, 12.0, 14.0, 16.0, 18.0, 20.0, 22.0, 24.0, 26.0, 28.0, 30.0, 32.0, 34.0, 36.0, 38.0, 40.0, 42.0, 44.0, 46.0, 48.0) and Maximum load without pin. Includes a note: Counterweight 21 t, outrigger extension width 7.2 m.

# Boom

## [Capacity C]

### Boom

Unit: t

Capacity block Capacity No.	1	9	1	9	10	2	1	10	11	2	1	11	2	1	12	2	1	2	3	1	5	4	1	6	1	7	1	1	8		
Capacity No.	1	23	2	24	25	12	3	26	27	13	4	28	14	5	29	15	6	16	17	7	19	18	8	20	9	21	10	11	22		
Boom length (m)	11.1	14.8			18.5			22.1				25.8			29.5			33.2			36.9			40.5		44.2		47.9	51.2		
Load radius (m)	2.5	54.6																													
3.0	54.6	54.6	35.0	54.6	50.0	35.0	29.9																								
3.5	54.6	54.6	35.0	54.6	50.0	35.0	27.8	45.6	45.6	35.0	29.3																				
4.0	54.6	54.6	35.0	53.9	50.0	35.0	26.0	45.6	45.6	35.0	27.6	40.9	34.2	25.3																	
4.5	54.6	54.6	33.7	49.8	50.0	35.0	24.4	45.6	45.6	35.0	26.1	40.9	34.2	24.2																	
5.0	53.4	53.1	32.0	46.3	50.0	34.8	22.9	42.7	45.6	35.0	24.7	38.8	34.2	23.1	31.3	28.5	22.0														
6.0	45.5	45.1	29.1	40.4	45.3	32.0	20.6	37.2	44.8	33.7	22.4	34.6	34.2	21.2	31.1	28.5	21.1	23.8	20.9	17.3											
7.0	39.0	38.6	26.8	35.8	38.7	29.8	18.6	32.8	39.0	31.5	20.5	31.1	32.7	19.2	28.7	28.5	19.7	23.8	20.9	17.3	19.7	16.1	14.8	15.8	12.9						
8.0	33.7	33.0	24.8	32.1	33.2	27.6	17.0	29.3	33.7	29.5	18.9	27.7	30.8	17.2	26.1	28.5	18.3	23.8	20.9	16.2	19.7	16.1	14.8	15.8	12.9	12.9	11.0				
9.0	23.3	26.7	23.2	26.1	26.9	25.9	15.7	26.4	27.3	27.0	17.5	24.9	29.0	15.6	23.9	28.5	17.0	22.1	20.6	15.1	19.7	16.1	14.8	15.8	12.9	12.9	11.0	10.2			
10.0		22.1	21.8	21.6	22.3	24.1	14.5	21.9	22.8	24.6	16.3	22.3	24.3	14.3	21.9	23.9	15.5	20.7	19.5	14.1	18.5	16.1	14.1	15.8	12.9	12.9	11.0	10.2	8.9		
11.0		18.8	20.5	18.3	18.9	21.0	13.4	18.5	19.3	21.1	15.1	18.9	20.8	13.2	19.5	20.5	14.2	19.2	18.5	13.2	17.4	15.4	13.3	15.6	12.9	12.9	11.0	10.2	8.9		
12.0		16.0	17.8	15.5	16.2	18.3	12.5	15.7	16.6	18.4	14.0	16.2	18.1	12.2	16.7	17.7	13.1	17.3	17.6	12.1	16.4	14.6	12.6	14.8	12.6	12.9	11.0	10.2	8.9		
14.0				11.6	12.2	14.2	11.1	11.8	12.6	14.2	12.3	12.2	14.0	10.6	12.7	13.6	11.4	13.2	14.1	10.4	13.2	13.3	11.4	13.3	11.5	12.2	11.0	10.2	8.9		
16.0				8.9	9.5	11.4	10.0	9.1	9.9	11.4	10.9	9.5	11.2	9.3	10.0	10.9	10.0	10.5	11.3	9.1	10.5	11.5	10.3	10.6	10.5	10.8	10.6	10.2	8.9		
18.0								7.2	7.9	9.4	9.8	7.5	9.2	8.3	8.0	8.8	8.9	8.5	9.3	8.1	8.5	9.5	9.2	8.6	9.6	8.8	9.4	9.1	8.7		
20.0								5.7	6.5	7.9	8.3	6.0	7.7	7.5	6.5	7.3	8.0	7.0	7.7	7.2	6.9	7.9	8.2	7.1	8.0	7.3	7.8	7.6	7.6		
22.0												4.9	6.5	6.8	5.3	6.1	7.2	5.8	6.5	5.8	6.7	7.0	5.9	6.8	6.1	6.6	6.4	6.4	6.4		
24.0															4.4	5.2	6.2	4.8	5.6	5.9	4.8	5.8	6.1	4.9	5.8	5.1	5.6	5.4	5.4		
26.0															3.6	4.4	5.4	4.0	4.8	5.1	4.0	5.0	5.3	4.1	5.0	4.3	4.8	4.6	4.6		
28.0																				3.4	4.1	4.6	3.4	4.3	4.6	3.5	4.4	3.7	3.9		
30.0																				2.9	3.6	4.1	2.8	3.7	4.0	2.9	3.8	3.1	3.4		
32.0																							2.3	3.2	3.5	2.5	3.3	2.6	2.9		
34.0																							2.0	2.8	3.1	2.0	2.9	2.2	2.7		
36.0																										1.7	2.5	1.8	2.1		
38.0																										1.4	2.2	1.5	2.0		
40.0																											1.3	1.8	1.5	1.5	
42.0																											1.0	1.5	1.2	1.2	
44.0																													1.0	1.0	
46.0																														0.8	
48.0																														0.6	
Maximum load without pin	21.5	21.8	23.0	17.6	21.4	27.6	15.4	17.7	20.1	21.3	22.3	17.8	20.3	16.3	18.0	18.8	20.3	17.3	18.4	16.1	18.3	16.1	14.8	15.8	12.9	12.9	11.0	10.2	8.9		
θ (°)	0 to 82	0 to 82		0 to 82				0 to 82				0 to 82			0 to 82			0 to 82			0 to 82			0 to 82		0 to 82	0 to 82	0 to 82	0 to 82		
Extension state (Extension ratio %)																															
Telescopic section 1	0	46	0	92	46	0	0	92	46	0	0	92	46	0	0	92	46	0	92	46	0	92	46	0	92	46	0	92	46	92	100
Telescopic section 2	0	0	0	0	46	0	0	46	46	0	0	46	46	0	46	46	0	46	46	0	46	46	0	46	46	0	46	46	92	92	100
Telescopic section 3	0	0	0	0	0	0	0	46	46	0	0	46	46	0	46	46	0	46	46	0	46	46	0	46	46	0	46	46	92	92	100
Telescopic section 4	0	0	0	0	0	46	0	0	46	46	0	46	46	0	46	46	0	46	46	0	46	46	0	46	46	0	46	46	92	92	100
Telescopic section 5	0	0	46	0	0	46	92	0	0	46	92	0	46	92	0	46	92	0	46	92	0	46	92	0	46	92	0	46	92	92	100
Standard hook block	55 t	55 t		55 t				55 t				55 t			55 t			55 t			55 t			55 t		18 t		18 t	18 t	18 t	
Hook block weight	650 kg	650 kg		650 kg				650 kg				650 kg			650 kg			650 kg			650 kg			650 kg		300 kg		300 kg	300 kg	300 kg	
Standard number of parts of line with main winch	11	11	7	11	10	7	6	9	7	6	8	7	5	6	5	5	4	4	4	3	3	3	3	3	3	3	2	2	2		
Standard number of parts of line with aux. winch	11	11	7		9	7	6	8	7	6		6	5	6	5	5	4	4	3	3	3	3	3	3	3	2	2	2	2		
Maximum load with aux. winch	54.6	54.6	35.0		45.6	35.0	29.9		40.9	35.0	29.3		31.3	25.3	31.3	28.5	22.0		23.8	20.9	17.3	19.7	16.1	14.8	15.8	12.9	12.9	11.0	10.2	8.9	

Note: Counterweight 15 t, outrigger extension width 7.2 m

## [Capacity D]

### Boom

Unit: t

Capacity block Capacity No.	1	9	1	9	10	2	1	10	11	2	1	11	2	1	12	2	1	2	3	1	5	4	1	6	1	7	1	1	8
Capacity No.	1	23	2	24	25	12	3	26	27	13	4	28	14	5	29	15	6	16	17	7	19	18	8	20	9	21	10	11	22
Boom length (m)	11.1	14.8			18.5			22.1				25.8			29.5			33.2			36.9			40.5		44.2		47.9	51.2
Load radius (m)	2.5	54.6																											
3.0	54.6	54.6	35.0	54.6	50.0	35.0	29.9																						
3.5	54.6	54.6	35.0	54.6	50.0	35.0	27.8	45.6	45.6	35.0	29.3																		
4.0	54.6	54.6	35.0	53.9	50.0	35.0	26.0	45.6	45.6	35.0	27.6	40.9	34.2	25.3															
4.5	54.6	54.6	33.7	49.8	50.0	35.0	24.4	45.6	45.6	35.0	26.1	40.9	34.2	24.2															
5.0	52.5	52.1	32.0	46.3	50.0	34.8	22.9	42.7	45.6	35.0	24.7	38.8	34.2	23.1	31.3	28.5	22.0												
6.0	43.9	43.5	29.1	40.4	43.7	32.0	20.6	37.2	44.0	33.7	22.4	34.6	34.2	21.2	31.1	28.5	21.1	23.8	20.9	17.3									
7.0	36.4	35.6	26.8	35.0	35.9	29.6	18.6	32.8	36.4	31.5	20.5	31.1	32.7	19.2	28.7	28.5	19.7	23.8	20.9	17.3	19.7	16.1	14.8	15.8	12.9				
8.0	28.3	27.5	24.8	26.9	27.7	27.6	17.0	27.2	28.2	29.5	18.9	27.7	30.0	17.2	26.1	28.5	18.3	23.8	20.9	16.2	19.7	16.1	14.8	15.8	12.9	12.9	11.0		
9.0	22.8	22.0	23.2	21.4	22.2	24.6	15.7	21.7	22.7	24.7	17.5	22.2	24.4	15.6	22.9	24.0	17.0	22.1	20.6	15.1	19.7	16.1</							



# Boom

## [Capacity G]

### Boom

Unit: t

Capacity block Capacity No.	1	9	1	9	10	2	1	10	11	2	1	11	2	1	12	2	1	2	3	1	5	4	1	6	1	7	1	1	8		
Capacity No.	1	23	2	24	25	12	3	26	27	13	4	28	14	5	29	15	6	16	17	7	19	18	8	20	9	21	10	11	22		
Boom length (m) Load radius (m)	11.1	14.8			18.5			22.1				25.8			29.5			33.2			36.9			40.5			44.2		47.9	51.2	
2.5	54.6																														
3.0	54.6	54.6	35.0	54.6	50.0	35.0	29.9																								
3.5	54.6	54.6	35.0	54.6	50.0	35.0	27.8	45.6	45.6	35.0	29.3																				
4.0	54.6	54.6	35.0	53.9	50.0	35.0	26.0	45.6	45.6	35.0	27.6	40.9	34.2	25.3																	
4.5	54.6	54.6	33.7	49.8	50.0	35.0	24.4	45.6	45.6	35.0	26.1	40.9	34.2	24.2																	
5.0	52.5	52.1	32.0	46.3	50.0	34.8	22.9	42.7	45.6	35.0	24.7	38.8	34.2	23.1	31.3	28.5	22.0														
6.0	45.2	44.7	29.1	40.4	44.9	32.0	20.6	37.2	44.8	33.7	22.4	34.6	34.2	21.2	31.1	28.5	21.1	23.8	20.9	17.3											
7.0	39.4	39.0	26.8	35.8	39.1	29.6	18.6	32.8	39.4	31.5	20.5	31.1	32.7	19.2	28.7	28.5	19.7	23.8	20.9	17.3	19.7	16.1	14.8	15.8	12.9						
8.0	34.5	34.3	24.8	32.1	34.5	27.6	17.0	29.3	34.8	29.5	18.9	27.7	30.8	17.2	26.1	28.5	18.3	23.8	20.9	16.2	19.7	16.1	14.8	15.8	12.9	12.9	11.0				
9.0	23.3	29.2	23.2	28.7	29.4	25.9	15.7	26.4	29.9	27.0	17.5	24.9	29.1	15.6	23.9	28.5	17.0	22.1	20.6	15.1	19.7	16.1	14.8	15.8	12.9	12.9	11.0	10.2			
10.0		24.4	21.8	23.9	24.5	24.1	14.5	23.9	25.0	24.8	16.3	22.6	28.5	14.3	21.9	26.2	15.5	20.7	19.5	14.1	18.5	16.1	14.1	15.8	12.9	12.9	11.0	10.2	8.9		
11.0		20.7	20.6	20.2	20.9	22.4	13.4	20.5	21.3	22.9	15.1	20.6	22.8	13.2	20.0	22.4	14.2	19.2	18.5	13.2	17.4	15.4	13.3	15.6	12.9	12.9	11.0	10.2	8.9		
12.0		17.9	19.5		17.4	18.0	20.0	12.5	17.6	18.4	20.1	14.0	18.0	19.9	12.2	18.3	19.5	13.1	17.7	17.6	12.1	16.4	14.6	12.6	14.8	12.6	12.9	11.0	10.2	8.9	
14.0				13.3	13.9	15.8	11.1	13.5	14.3	15.8	12.3	13.9	15.6	10.6	14.4	15.3	11.4	14.9	15.7	10.4	14.3	13.3	11.4	13.3	11.5	12.2	11.0	10.2	8.9		
16.0				10.5	11.1	12.8	10.0	10.7	11.4	12.9	10.9	11.0	12.7	9.3	11.5	12.3	10.0	12.0	12.8	9.1	12.0	12.2	10.3	11.9	10.5	11.1	10.6	10.2	8.9		
18.0								8.6	9.3	10.7	9.8	8.9	10.5	8.3	9.4	10.2	8.9	9.8	10.6	8.1	9.8	10.8	9.2	10.0	9.6	10.1	9.9	9.3	8.7		
20.0								7.0	7.7	9.0	9.0	7.3	8.9	7.5	7.8	8.6	8.0	8.2	9.0	7.2	8.2	9.2	8.2	8.3	8.5	8.5	9.1	8.6	8.0		
22.0												6.1	7.6	6.8	6.5	7.3	7.2	6.9	7.7	6.5	6.9	7.8	7.4	7.0	7.6	7.2	7.7	7.5	7.4		
24.0															5.5	6.2	6.6	5.9	6.6	5.9	6.6	5.9	6.8	6.7	6.0	6.9	6.2	6.7	6.5	6.5	
26.0															4.6	5.4	6.1	5.0	5.7	5.3	5.0	5.9	6.2	5.1	6.0	5.3	5.8	5.6	5.6	5.6	
28.0																				4.3	5.0	4.9	4.3	5.2	5.5	4.4	5.3	4.6	4.9	4.9	
30.0																				3.7	4.4	4.5	3.7	4.6	4.9	3.8	4.6	4.0	4.5	4.2	4.2
32.0																						3.2	4.0	4.3	3.3	4.1	3.4	3.9	3.7	3.7	
34.0																						2.7	3.6	3.9	2.8	3.6	3.0	3.5	3.2	3.2	
36.0																									2.4	3.2	2.6	3.1	2.8	2.8	
38.0																									2.0	2.9	2.2	2.7	2.5	2.5	
40.0																											1.9	2.4	2.2	2.1	
42.0																												1.6	2.1	1.8	1.8
44.0																														1.5	1.5
46.0																															1.3
48.0																															1.0
Maximum load without pin	21.5	21.8	23.0	17.6	21.4	27.6	15.4	17.7	20.1	21.3	22.3	17.8	20.3	16.3	18.0	18.8	20.3	17.3	18.4	16.1	18.3	16.1	14.8	15.8	12.9	12.9	11.0	10.2	8.9		
θ (°)	0 to 82	0 to 82		0 to 82				0 to 82				0 to 82			0 to 82			0 to 82			0 to 82			0 to 82		0 to 82	0 to 82	0 to 82	0 to 82	0 to 82	
Extension state (Extension ratio %)																															
Telescopic section 1	0	46	0	92	46	0	0	92	46	0	0	92	0	0	92	46	0	92	46	0	92	46	0	92	46	0	92	46	92	100	
Telescopic section 2	0	0	0	0	46	0	0	46	46	0	0	46	46	0	46	46	0	46	46	0	46	46	0	46	46	0	46	46	92	100	
Telescopic section 3	0	0	0	0	0	0	0	0	46	46	0	46	46	0	46	46	46	46	46	46	46	46	46	46	46	46	46	46	92	100	
Telescopic section 4	0	0	0	0	0	46	0	0	46	46	0	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	92	100	
Telescopic section 5	0	0	46	0	0	46	92	0	0	46	92	0	46	92	0	46	92	0	46	92	46	92	46	92	46	92	46	92	92	100	
Standard hook block	55 t	55 t		55 t				55 t				55 t			55 t			55 t			55 t			55 t		18 t	18 t	18 t	18 t	18 t	
Hook block weight	650 kg	650 kg		650 kg				650 kg				650 kg			650 kg			650 kg			650 kg			650 kg		300 kg	300 kg	300 kg	300 kg	300 kg	
Standard number of parts of line with main winch	11	11	7	11	10	7	6	9	7	6	8	7	5	6	5	5	4	4	4	3	3	3	3	3	3	2	2	2	2		
Standard number of parts of line with aux. winch	11	11	7		9	7	6	8	7	6		6	5	6	5	5	4	4	4	3	3	3	3	3	2	2	2	2	2		
Maximum load with aux. winch	54.6	54.6	35.0		45.6	35.0	29.9		40.9	35.0	29.3		31.3	25.3	31.3	28.5	22.0	23.8	20.9	17.3	19.7	16.1	14.8	15.8	12.9	12.9	11.0	10.2	8.9		

Note: Counterweight 25 t, outrigger extension width 6.0 m

## [Capacity H]

### Boom

Unit: t

Capacity block Capacity No.	1	9	1	9	10	2	1	10	11	2	1	11	2	1	12	2	1	2	3	1	5	4	1	6	1	7	1	1	8	
Capacity No.	1	23	2	24	25	12	3	26	27	13	4	28	14	5	29	15	6	16	17	7	19	18	8	20	9	21	10	11	22	
Boom length (m) Load radius (m)	11.1	14.8			18.5			22.1				25.8			29.5			33.2			36.9			40.5			44.2		47.9	51.2
2.5	54.6																													
3.0	54.6	54.6	35.0	54.6	50.0	35.0	29.9																							
3.5	54.6	54.6	35.0	54.6	50.0	35.0	27.8	45.6	45.6	35.0	29.3																			
4.0	54.6	54.6	35.0	53.9	50.0	35.0	26.0	45.6	45.6	35.0	27.6	40.9	34.2	25.3																
4.5	54.6	54.6	33.7	49.8	50.0	35.0	24.4	45.6	45.6	35.0	26.1	40.9	34.2	24.2																
5.0	53.8	53.4	32.0	46.3	50.0	34.8	22.9	42.7	45.6	35.0	24.7	38.8	34.2	23.1	31.3	28.5	22.0													
6.0	45.6	45.1	29.1	40.4	45.2	32.0	20.6	37.2	44.8	33.7	22.4	34.6	34.2	21.2	31.1	28.5	21.1	23.8	20.9	17.3										
7.0	39.0	38.6	26.8	35.8	38.7	29.6	18.6	32.8	39.0	31.5	20.5	31.1	32.7	19.2	28.7	28.5	19.7	23.8	20.9	16.2	19.7	16.1	14.8	15.8	12.9					
8.0	33.2	32.5	24.8	31.9	32.7	27.6	17.0	29.3	33.2	29.5	18.9	27.7	30.8	17.2	26.1	28.5	18.3	23.8	20.9	16.2	19.7	16.1	14.8	15.8	12.9	12.9	11.0			



# Boom

## [Capacity K]

### Boom

Unit: t

Capacity block Capacity No.	1	9	1	9	10	2	1	10	11	2	1	11	2	1	12	2	1	2	3	1	5	4	1	6	1	7	1	1	8		
Capacity No.	1	23	2	24	25	12	3	26	27	13	4	28	14	5	29	15	6	16	17	7	19	18	8	20	9	21	10	11	22		
Boom length (m) Load radius (m)	11.1	14.8			18.5			22.1				25.8			29.5			33.2			36.9			40.5			44.2		47.9	51.2	
2.5	54.6																														
3.0	54.6	54.6	35.0	54.6	50.0	35.0	29.9																								
3.5	54.6	54.6	35.0	54.6	50.0	35.0	27.8	45.6	45.6	35.0	29.3																				
4.0	54.6	54.6	35.0	53.9	50.0	35.0	26.0	45.6	45.6	35.0	27.6	40.9	34.2	25.3																	
4.5	54.0	53.5	33.7	49.8	50.0	35.0	24.4	45.6	45.6	35.0	26.1	40.9	34.2	24.2																	
5.0	48.8	48.3	32.0	46.3	48.4	34.8	22.9	42.7	45.6	35.0	24.7	38.8	34.2	23.1	31.3	28.5	22.0														
6.0	33.9	33.0	29.1	32.3	33.3	32.0	20.6	32.7	34.0	33.7	22.4	33.3	34.2	21.2	31.1	28.5	21.1	23.8	20.9	17.3											
7.0	24.3	23.5	25.8	22.9	23.8	26.5	18.6	23.2	24.3	26.6	20.5	23.8	26.3	19.2	24.5	25.8	19.7	23.8	20.9	17.3	19.7	16.1	14.8	15.8	12.9						
8.0	18.6	17.8	19.9	17.3	18.0	20.5	17.0	17.6	18.5	20.6	18.9	18.1	20.3	17.2	18.7	19.9	18.3	19.4	20.5	16.2	19.4	16.1	14.8	15.8	12.9	12.9	11.0				
9.0	14.8	14.0	15.9	13.5	14.2	16.5	15.7	13.8	14.7	16.6	17.2	14.2	16.4	15.6	14.9	15.9	17.0	15.5	16.5	15.1	15.5	16.1	14.8	15.7	12.9	12.9	11.0	10.2			
10.0		11.3	13.1	10.8	11.5	13.7	13.7	11.1	11.9	13.7	14.3	11.5	13.5	14.3	12.1	13.1	14.5	12.7	13.7	14.1	12.7	13.9	14.1	12.9	12.9	11.0	10.2	8.9			
11.0		9.3	11.0	8.8	9.5	11.5	11.6	9.1	9.9	11.6	12.1	9.5	11.4	12.2	10.0	11.0	12.3	10.6	11.5	12.2	10.6	11.8	12.1	10.8	11.9	11.0	11.0	10.2	8.9		
12.0		7.7	9.4	7.3	7.9	9.9	9.9	7.5	8.3	9.9	10.4	7.9	9.7	10.5	8.4	9.4	10.6	9.0	9.8	10.5	9.0	10.1	10.5	9.1	10.2	9.4	10.0	9.7	8.9		
14.0				5.0	5.6	7.5	7.5	5.2	6.0	7.5	8.0	5.6	7.3	8.0	6.1	7.0	8.1	6.6	7.4	8.0	6.6	7.7	8.0	6.8	7.7	7.0	7.5	7.3	7.3		
16.0				3.5	4.0	5.8	5.9	3.6	4.4	5.9	6.3	4.0	5.7	6.3	4.5	5.3	6.4	5.0	5.7	6.3	4.9	6.0	6.3	5.1	6.1	5.3	5.9	5.6	5.6		
18.0								2.5	3.2	4.7	5.1	2.8	4.4	5.1	3.3	4.1	5.2	3.8	4.5	5.1	3.7	4.7	5.0	3.9	4.8	4.1	4.6	4.4	4.4		
20.0								1.7	2.4	3.8	4.2	2.0	3.5	4.2	2.4	3.2	4.2	2.8	3.6	4.1	2.8	3.8	4.1	3.0	3.9	3.2	3.7	3.5	3.5		
22.0												1.3	2.8	3.4	1.1	1.9	2.5	3.5	2.1	2.9	3.4	2.1	3.0	3.3	2.2	3.1	2.4	2.9	2.7		
24.0																1.9	2.9	1.5	2.3	2.8	1.5	2.4	2.7	1.7	2.5	1.8	2.3	2.1	2.1		
26.0																1.4	2.4	1.1	1.8	2.3	1.0	1.9	2.2	1.2	2.0	1.3	1.9	1.6	1.6		
28.0																			1.4	1.9	1.0	1.5	1.8	0.7	1.6	0.9	1.4	1.2	1.2		
30.0																				1.0	1.6			1.2	1.5	1.3		1.1	0.9	0.8	
32.0																							0.9	1.2	1.0		0.8		0.8		
34.0																							0.6	0.9		0.7		0.5		0.5	
Maximum load without pin	21.5	21.8	23.0	17.6	21.4	27.6	15.4	17.7	20.1	21.3	22.3	17.8	20.3	16.3	18.0	18.8	20.3	17.3	18.4	16.1	18.3	16.1	14.8	15.8	12.9	12.9	11.0	10.2	8.9		
θ (°)	0 to 82	0 to 82		0 to 82				0 to 82				0 to 82			0 to 82			14 to 82	0 to 82	41 to 82	0 to 82	18.3	16.1	14.8	43 to 82	0 to 82	48 to 82	36 to 82	51 to 82	56 to 82	
Extension state (Extension ratio %)																															
Telescopic section 1	0	46	0	92	46	0	0	92	46	0	0	92	46	0	0	92	46	0	92	46	0	92	46	0	92	46	92	46	92	100	
Telescopic section 2	0	0	0	0	46	0	0	0	46	46	0	0	46	46	0	0	46	46	0	46	46	0	46	46	92	92	92	92	92	100	
Telescopic section 3	0	0	0	0	0	0	0	0	46	46	0	0	46	46	0	0	46	46	46	46	46	46	46	92	92	92	92	92	92	100	
Telescopic section 4	0	0	0	0	0	46	0	0	0	46	46	0	46	46	46	46	46	46	46	46	46	46	92	92	92	92	92	92	92	100	
Telescopic section 5	0	0	46	0	0	46	92	0	0	46	92	0	46	92	0	46	92	46	92	46	92	46	92	46	92	46	92	92	92	100	
Standard hook block	55 t	55 t		55 t				55 t				55 t			55 t			55 t			55 t	18 t	18 t	18 t	18 t	18 t	18 t	18 t	18 t		
Hook block weight	650 kg	650 kg		650 kg				650 kg				650 kg			650 kg			650 kg			650 kg	300 kg	300 kg	300 kg	300 kg	300 kg	300 kg	300 kg	300 kg		
Standard number of parts of line with main winch	11	11	7	11	10	7	6	9	7	6	8	7	5	6	5	5	4	4	3	4	3	3	3	3	3	2	2	2	2		
Standard number of parts of line with aux. winch	11	11	7	9	7	6	8	7	6	6	6	5	6	5	5	4	4	3	3	3	3	3	3	3	2	2	2	2	2		
Maximum load with aux. winch	54.6	54.6	35.0	45.6	35.0	29.9	40.9	35.0	29.3	31.3	25.3	31.3	25.3	31.3	28.5	22.0	23.8	20.9	17.3	19.7	16.1	14.8	15.8	12.9	12.9	11.0	10.2	8.9			

Note: Counterweight 5 t, outrigger extension width 6.0 m

## [Capacity L]

### Boom

Unit: t

Capacity block Capacity No.	1	9	1	9	10	2	1	10	11	2	1	11	2	1	12	2	1	2	3	1	5	4	1	6	1	7	1	1	8	
Capacity No.	1	23	2	24	25	12	3	26	27	13	4	28	14	5	29	15	6	16	17	7	19	18	8	20	9	21	10	11	22	
Boom length (m) Load radius (m)	11.1	14.8			18.5			22.1				25.8			29.5			33.2			36.9			40.5			44.2		47.9	51.2
2.5	54.6																													
3.0	54.6	54.6	35.0	54.6	50.0	35.0	29.9																							
3.5	54.6	54.6	35.0	54.6	50.0	35.0	27.8	45.6	45.6	35.0	29.3																			
4.0	54.6	54.6	35.0	53.9	50.0	35.0	26.0	45.6	45.6	35.0	27.6	40.9	34.2	25.3																
4.5	51.3	50.8	33.7	49.8	50.0	35.0	24.4	45.6	45.6	35.0	26.1	40.9	34.2	24.2																
5.0	38.3	37.2	32.0	36.3	37.6	34.8	22.9	36.8	38.4	35.0	24.7	37.7	34.2	23.1	31.3	28.5	22.0													
6.0	24.0	23.2	25.8	22.4	23.4	26.6	20.6	22.8	24.1	26.8	22.4	23.5	26.4	21.2	24.4	25.9	21.1	23.8	20.9	17.3										
7.0	16.9	16.1	18.4	15.5	16.4	19.1	18.6	15.8	16.9	19.2	19.9	16.4	18.9	19.2	17.1	18.4	19.7	17.9	19.1	17.3	17.9	16.1	14.8	15.8	12.9					
8.0	12.6	11.9	13.9	11.3	12.1	14.6	14.7	11.6	12.6	14.7	15.3	12.1	14.4	15.4	12.8	14.0	15.5	13.5	14.6	15.4	13.5	14.9	14.8	13.7	12.9	12.9	11.0			
9.0	9.8	9.1	11.0	8.6	9.3	11.6	11.6	8.8	9.8	11.7	12.2	9.3	11.4	12.3	9.9	11.0	12.4	10.6	11.6	12.3	10.6	11.9	12.3	10.8	12.0	11.0	11.0	10.2		
10.0		7.1	8.9	6.6	7.3	9.4	9.5	6.9	7.7	9.5	10.0	7.3	9.3	10.1	7.9	8.9	10.2	8.5	9.4	10.1	8.5	9.7	10.1	8.7	9.8	8.9	9.6	9.3	8.9	
11.0		5.6	7.3	5.1	5.8	7.8	7.9	5.4	6.2	7.9	8.4	5.8	7.7	8.5	6.3	7.3	8.6	6.9	7.8	8.5	6.9	8.1	8.4	7.1	8.2	7.3	7.9	7.7	7.7	
12.0		4.4	6.1	4.0	4.6	6.6	6.6	4.2	5.0	6.6	7.1	4.6	6.4	7.2	5.1	6.1	7.3	5.7	6.5	7.2	5.7	6.8	7.2	5.8	6.9	6.1	6.7	6.4	6.4	
14.0				2.3	2.9	4.8	4.8	2.5	3.3	4.8	5.3	2.9	4.6	5.3	3.4</															







# Boom

## [Capacity S]

### Boom

Unit: t

Capacity block	1	9	1	9	10	2	1	10	11	2	1	
Capacity No.	1	23	2	24	25	12	3	26	27	13	4	
Boom length (m)	11.1		14.8		18.5			22.1				
Load radius (m)	11.1		14.8		18.5			22.1				
2.5	54.6											
3.0	47.2	46.7	35.0	46.4	46.9	35.0	29.9					
3.5	41.6	41.2	35.0	40.8	41.3	35.0	27.8	41.0	41.6	35.0	29.3	
4.0	37.3	36.9	35.0	36.6	37.0	35.0	26.0	36.8	37.3	35.0	27.6	
4.5	33.9	33.5	33.7	33.2	33.6	35.0	24.4	33.3	33.9	35.0	26.1	
5.0	31.0	30.6	31.8	30.3	30.6	32.2	22.9	30.5	31.1	32.3	24.7	
6.0	26.5	26.1	27.3	25.8	26.2	27.7	20.6	26.0	26.5	27.7	22.4	
7.0	23.0	22.6	23.8	22.3	22.7	24.2	18.6	22.5	23.0	24.2	20.5	
8.0	18.3	17.6	19.6	17.0	17.8	20.3	17.0	17.3	18.3	20.4	18.9	
9.0	14.6	13.8	15.7	13.3	14.0	16.3	15.7	13.6	14.5	16.4	17.0	
10.0		11.2	12.9	10.7	11.3	13.5	13.6	10.9	11.8	13.6	14.1	
11.0		9.2	10.8	8.7	9.3	11.4	11.4	8.9	9.7	11.5	12.0	
12.0		7.6	9.2	7.1	7.8	9.7	9.8	7.4	8.2	9.8	10.3	
14.0				4.9	5.5	7.4	7.4	5.1	5.9	7.4	7.9	
16.0				3.4	3.9	5.7	5.8	3.6	4.3	5.8	6.2	
18.0								2.4	3.1	4.6	5.0	
20.0								1.6	2.3	3.7	4.1	
Maximum load without pin	21.5	21.8	23.0	17.6	21.4	27.6	15.4	17.7	20.1	21.3	22.3	
θ (°)	0 to 82	0 to 82			0 to 82				0 to 82			
Extension state (Extension ratio %)												
Telescopic section 1	0	46	0	92	46	0	0	92	46	0	0	
Telescopic section 2	0	0	0	0	46	0	0	46	46	0	0	
Telescopic section 3	0	0	0	0	0	0	0	0	46	46	0	
Telescopic section 4	0	0	0	0	0	46	0	0	0	46	46	
Telescopic section 5	0	0	46	0	0	46	92	0	0	46	92	
Standard hook block	55 t	55 t			55 t				55 t			
Hook block weight	650 kg	650 kg			650 kg				650 kg			
Standard number of parts of line with main winch	11	10	7	10	7	6		9	7	6		
Standard number of parts of line with aux. winch	11	10	7	9	7	6		8	7	6		
Maximum load with aux. winch	54.6	46.7	35.0	45.6	35.0	29.9		40.9	35.0	29.3		

Note: Counterweight 0 t, outrigger extension width 2.55 m (front and rear only)

## [Capacity T]

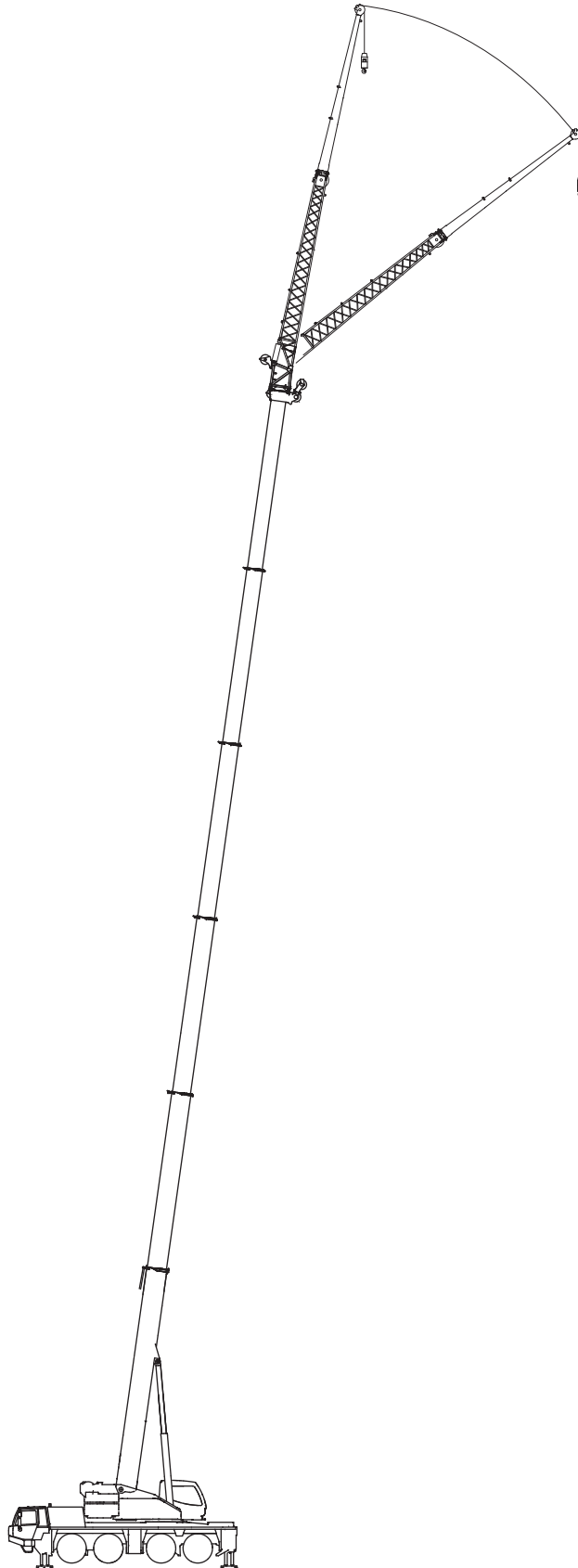
### Boom

Unit: t

Capacity block	1	9	1	9	10	2	1	10	11	2	1	
Capacity No.	1	23	2	24	25	12	3	26	27	13	4	
Boom length (m)	11.1		14.8		18.5			22.1				
Load radius (m)	11.1		14.8		18.5			22.1				
2.5	29.0											
3.0	19.2	18.4	21.0	17.7	18.7	21.8	22.0					
3.5	13.9	13.1	15.4	12.5	13.4	16.1	16.2	12.9	13.9	16.3	16.9	
4.0	10.5	9.8	11.9	9.2	10.0	12.5	12.6	9.5	10.5	12.6	13.3	
4.5	8.1	7.5	9.4	7.0	7.7	10.0	10.1	7.3	8.2	10.1	10.7	
5.0	6.4	5.8	7.7	5.3	6.0	8.2	8.3	5.6	6.5	8.3	8.9	
6.0	4.1	3.5	5.2	3.1	3.7	5.7	5.8	3.3	4.1	5.8	6.3	
7.0	2.6	2.0	3.6		2.2	4.1	4.2		2.6	4.2	4.7	
8.0	1.5	1.0	2.5			3.0	3.1			3.1	3.5	
9.0			1.7			2.2	2.2			2.2	2.7	
10.0			1.1			1.5	1.6			1.6	2.0	
11.0						1.0	1.1			1.1	1.5	
12.0											1.1	
Maximum load without pin	21.5	18.4	21.0	17.6	18.7	21.8	15.4	12.9	13.9	16.3	16.9	
θ (°)	0 to 82	50 to 82	6 to 82	66 to 82	63 to 82	42 to 82	41 to 82	72 to 82	68 to 82	56 to 82	49 to 82	
Extension state (Extension ratio %)												
Telescopic section 1	0	46	0	92	46	0	0	92	46	0	0	
Telescopic section 2	0	0	0	0	46	0	0	46	46	0	0	
Telescopic section 3	0	0	0	0	0	0	0	0	46	46	0	
Telescopic section 4	0	0	0	0	0	46	0	0	0	46	46	
Telescopic section 5	0	0	46	0	0	46	92	0	0	46	92	
Standard hook block	55 t	55 t			55 t			18 t		55 t		
Hook block weight	650 kg	650 kg			650 kg			300 kg		650 kg		
Standard number of parts of line with main winch	6	4		4		5		3		4		
Standard number of parts of line with aux. winch	6	4		4		5		3		4		
Maximum load with aux. winch	29.0	18.4	21.0	17.7	18.7	21.8	22.0	12.9	13.9	16.3	16.9	

Note: Counterweight 0 t, outrigger extension width 2.55 m

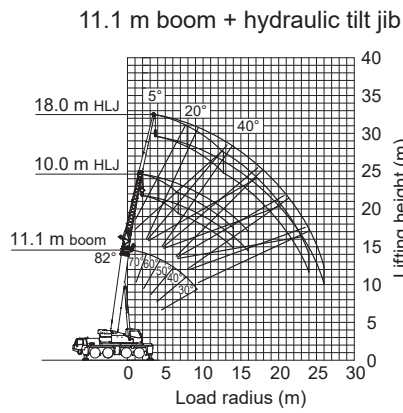
All Terrain Crane  
**ATF100G-4**  
Hydraulic tilt jib



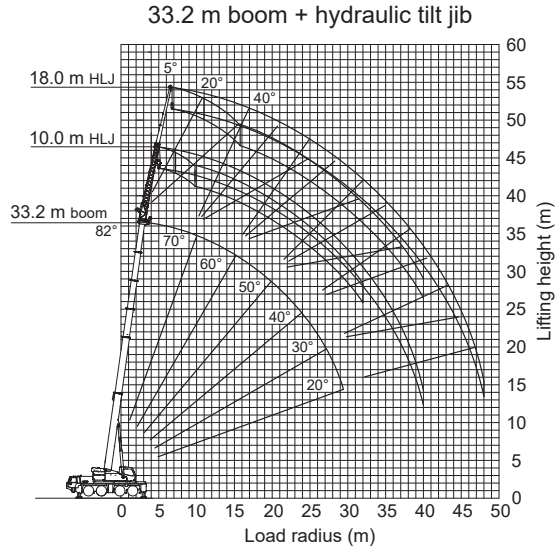
HLJ

# Hydraulic tilt jib

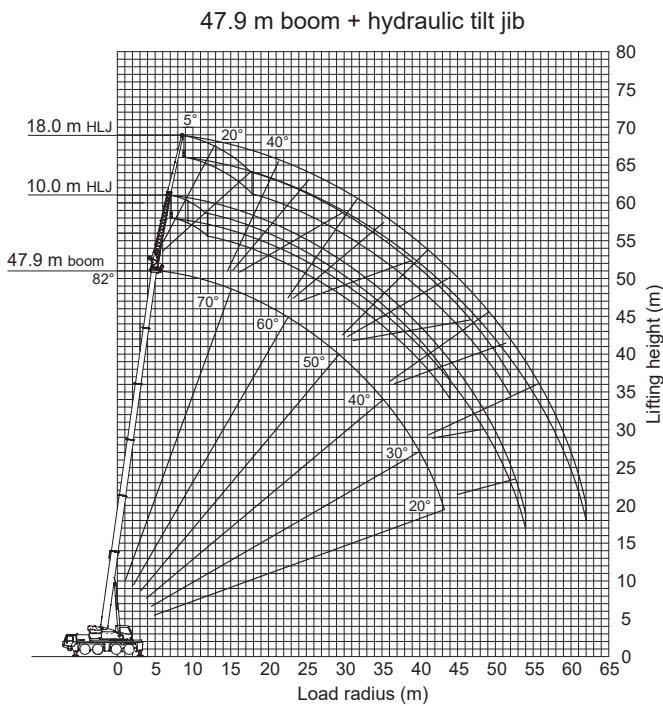
## Working range chart for boom + hydraulic tilt jib (HLJ)



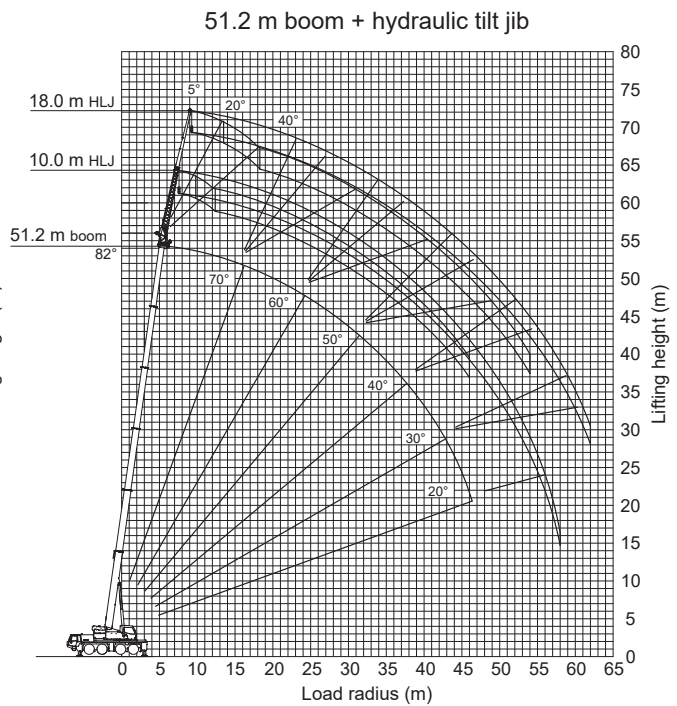
Note: 1. The above drawing does not consider any boom deflection.  
2. The above drawing shows the capacity A.



Note: 1. The above drawing does not consider any boom deflection.  
2. The above drawing shows the capacity A.



Note: 1. The above drawing does not consider any boom deflection.  
2. The above drawing shows the capacity A.



Note: 1. The above drawing does not consider any boom deflection.  
2. The above drawing shows the capacity A.

## Rated lifting capacity table for boom + hydraulic tilt jib (HLJ)

### ■ Precautions on rated lifting capacity table

◆ Capacity classifications A to Q of the rated lifting capacity table are as follows in the table below.

Outrigger extension width \ Counterweight	25 t	21 t	15 t	9 t	5 t
7.2 m	A	B	C	D	E
6.0 m	G	H	I	J	K
5.0 m	M	N	O	P	Q

◆ The rated lifting capacity indicates the values including the weights of the lifting devices and hook block (18 t hook block: 300 kg, 5.6 t hook block: 175 kg).

◆ The rated lifting capacity is based on the actual load radius considering boom and jib deflection.

◆ The extension state (extension ratio %) of each telescopic section at various boom lengths is as follows in the table below.

Boom length	11.1 m	33.2 m	47.9 m	51.2 m
Telescopic section 1	0	92	92	100
Telescopic section 2	0	46	92	100
Telescopic section 3	0	46	92	100
Telescopic section 4	0	46	92	100
Telescopic section 5	0	46	92	100

◆ When the number of parts of line used is less than the standard one specified in the rated lifting capacity table, the upper limit of the maximum load is as follows in the table below.

Number of parts of line	1
Maximum load	5.6 t

◆ The rated lifting capacity assumes that the outriggers are set horizontally on firm and level ground.

◆ An effect of the wind is not included in the values in the rated lifting capacity table. Suspend the crane operation if the maximum instantaneous wind velocity is 10 m/s or more.

#### Explanation on lines and terms in rated lifting capacity table

◆ Values above the thick line are based on the structural strength factor of the crane, and values below the thick line are based on the stability factor of the crane.

◆ "Offset" indicates an angle formed between the boom centerline and jib centerline.

◆ " $\theta$  ( $^{\circ}$ )" indicates the boom angle range in which no-load operation is enabled.

# Hydraulic tilt jib

[Capacity A]  
11.1 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
3.0	11.0					
3.5	11.0					
4.0	11.0					
4.5	11.0					
5.0	11.0	11.0		5.6		
6.0	11.0	10.2		5.6		
7.0	11.0	9.4		5.6		
8.0	11.0	8.7	6.9	5.6		
9.0	10.1	8.1	6.6	5.6		
10.0	9.3	7.6	6.3	5.6	5.0	
11.0	8.6	7.2	6.1	5.6	4.7	
12.0	8.0	6.8	5.9	5.4	4.4	
14.0	7.0	6.2	5.5	4.7	4.0	
16.0	6.2	5.7		4.1	3.6	3.1
18.0				3.7	3.3	2.9
20.0				3.3	3.0	2.7
22.0				3.1	2.8	2.6
24.0				2.8	2.7	2.5
26.0				2.6	2.5	
θ (°)	33 to 82	38 to 82	54 to 82	20 to 82	28 to 82	47 to 82
Standard hook block	18 t			5.6 t		
Hook block weight	300 kg			175 kg		
Standard number of parts of line	2			1		

Note: Counterweight 25 t, outrigger extension width 7.2 m

[Capacity A]  
33.2 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
8.0	10.1					
9.0	10.1					
10.0	10.1	8.9		4.2		
11.0	9.9	8.6		4.2		
12.0	9.5	8.2		4.2		
14.0	8.8	7.6	6.7	4.2		
16.0	8.1	7.1	6.3	4.2	4.2	
18.0	7.5	6.7	6.0	4.2	4.1	
20.0	7.0	6.3	5.7	4.2	3.9	3.2
22.0	6.6	6.0	5.4	4.2	3.8	3.0
24.0	6.3	5.7	5.2	4.2	3.6	2.9
26.0	6.0	5.4	5.0	4.0	3.5	2.9
28.0	5.7	5.2	4.9	3.9	3.4	2.8
30.0	5.1	5.0	4.7	3.7	3.2	2.7
32.0	4.5	4.7	4.6	3.6	3.1	2.6
34.0	4.0	4.1		3.5	3.0	2.6
36.0	3.5	3.6		3.3	2.9	2.6
38.0	3.1	3.2		3.1	2.8	2.5
40.0	2.8			3.0	2.7	2.5
42.0				2.9	2.6	
44.0				2.6	2.6	
46.0				2.3	2.4	
48.0				2.1		
θ (°)	15 to 82	27 to 82	46 to 82	18 to 82	29 to 82	47 to 82
Standard hook block	18 t			5.6 t		
Hook block weight	300 kg			175 kg		
Standard number of parts of line	2			1		

Note: Counterweight 25 t, outrigger extension width 7.2 m

[Capacity A]  
47.9 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
11.0	4.9					
12.0	4.9					
14.0	4.9			2.9		
16.0	4.9	4.9		2.9		
18.0	4.9	4.8	4.5	2.9		
20.0	4.9	4.6	4.3	2.9	2.9	
22.0	4.7	4.4	4.1	2.9	2.9	
24.0	4.5	4.2	4.0	2.9	2.9	
26.0	4.3	4.0	3.8	2.9	2.9	2.8
28.0	4.1	3.9	3.7	2.9	2.9	2.7
30.0	3.9	3.8	3.6	2.9	2.8	2.6
32.0	3.7	3.6	3.5	2.9	2.7	2.5
34.0	3.6	3.5	3.4	2.8	2.6	2.4
36.0	3.4	3.3	3.3	2.7	2.5	2.4
38.0	3.2	3.2	3.2	2.6	2.4	2.3
40.0	2.9	3.0	3.1	2.5	2.3	2.2
42.0	2.6	2.7	2.8	2.4	2.3	2.2
44.0	2.3	2.4	2.5	2.4	2.2	2.1
46.0	2.0	2.1		2.2	2.2	2.1
48.0	1.8	1.8		2.0	2.1	2.0
50.0	1.6	1.6		1.8	1.9	2.0
52.0	1.3	1.4		1.6	1.7	1.8
54.0	1.1			1.4	1.5	
56.0				1.2	1.3	
58.0				1.0	1.1	
60.0				0.8	0.9	
62.0				0.6		
θ (°)	20 to 82	28 to 82	46 to 82	22 to 82	30 to 82	47 to 82
Standard hook block	5.6 t			5.6 t		
Hook block weight	175 kg			175 kg		
Standard number of parts of line	1			1		

Note: Counterweight 25 t, outrigger extension width 7.2 m

[Capacity A]  
51.2 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
12.0	4.4					
14.0	4.4					
16.0	4.4	4.4		2.7		
18.0	4.4	4.4		2.7		
20.0	4.4	4.3	4.1	2.7		
22.0	4.4	4.1	3.9	2.7	2.7	
24.0	4.2	4.0	3.7	2.7	2.7	
26.0	4.0	3.8	3.6	2.7	2.7	2.7
28.0	3.8	3.7	3.5	2.7	2.7	2.6
30.0	3.6	3.5	3.4	2.7	2.6	2.5
32.0	3.5	3.4	3.3	2.7	2.5	2.4
34.0	3.3	3.2	3.2	2.6	2.4	2.3
36.0	3.2	3.1	3.1	2.5	2.4	2.2
38.0	3.0	3.0	2.9	2.4	2.3	2.2
40.0	2.8	2.8	2.8	2.4	2.2	2.1
42.0	2.5	2.6	2.7	2.3	2.1	2.1
44.0	2.2	2.4	2.4	2.2	2.1	2.0
46.0	2.0	2.1	2.1	2.1	2.0	2.0
48.0	1.7	1.8		1.9	2.0	1.9
50.0	1.5	1.6		1.7	1.9	1.9
52.0	1.3	1.4		1.5	1.7	1.8
54.0	1.1	1.1		1.3	1.4	1.5
56.0	0.9	0.9		1.1	1.2	
58.0	0.7			0.9	1.0	
60.0				0.7	0.8	
62.0				0.5	0.6	
θ (°)	17 to 82	25 to 82	47 to 82	30 to 82	33 to 82	49 to 82
Standard hook block	5.6 t			5.6 t		
Hook block weight	175 kg			175 kg		
Standard number of parts of line	1			1		

Note: Counterweight 25 t, outrigger extension width 7.2 m



[Capacity B]  
11.1 m boom + hydraulic tilt jib Unit: t

Jib length (m) Load radius (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
3.0	11.0					
3.5	11.0					
4.0	11.0					
4.5	11.0					
5.0	11.0	11.0		5.6		
6.0	11.0	10.2		5.6		
7.0	11.0	9.4		5.6		
8.0	11.0	8.7	6.9	5.6		
9.0	10.1	8.1	6.6	5.6		
10.0	9.3	7.6	6.3	5.6	5.0	
11.0	8.6	7.2	6.1	5.6	4.7	
12.0	8.0	6.8	5.9	5.4	4.4	
14.0	7.0	6.2	5.5	4.7	4.0	
16.0	6.2	5.7		4.1	3.6	3.1
18.0				3.7	3.3	2.9
20.0				3.3	3.0	2.7
22.0				3.1	2.8	2.6
24.0				2.8	2.7	2.5
26.0				2.6	2.5	
θ (°)	33 to 82	38 to 82	54 to 82	20 to 82	28 to 82	47 to 82
Standard hook block	18 t			5.6 t		
Hook block weight	300 kg			175 kg		
Standard number of parts of line	2			1		

Note: Counterweight 21 t, outrigger extension width 7.2 m

[Capacity B]  
33.2 m boom + hydraulic tilt jib Unit: t

Jib length (m) Load radius (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
8.0	10.1					
9.0	10.1					
10.0	10.1	8.9		4.2		
11.0	9.9	8.6		4.2		
12.0	9.5	8.2		4.2		
14.0	8.8	7.6	6.7	4.2		
16.0	8.1	7.1	6.3	4.2	4.2	
18.0	7.5	6.7	6.0	4.2	4.1	
20.0	7.0	6.3	5.7	4.2	3.9	3.2
22.0	6.6	6.0	5.4	4.2	3.8	3.0
24.0	6.3	5.7	5.2	4.2	3.6	2.9
26.0	5.8	5.4	5.0	4.0	3.5	2.9
28.0	5.1	5.2	4.9	3.9	3.4	2.8
30.0	4.4	4.6	4.7	3.7	3.2	2.7
32.0	3.9	4.0	4.2	3.6	3.1	2.6
34.0	3.4	3.5		3.5	3.0	2.6
36.0	3.0	3.1		3.3	2.9	2.6
38.0	2.6	2.7		3.1	2.8	2.5
40.0	2.3			2.7	2.7	2.5
42.0				2.4	2.6	
44.0				2.1	2.2	
46.0				1.9	2.0	
48.0				1.6		
θ (°)	15 to 82	27 to 82	46 to 82	18 to 82	29 to 82	47 to 82
Standard hook block	18 t			5.6 t		
Hook block weight	300 kg			175 kg		
Standard number of parts of line	2			1		

Note: Counterweight 21 t, outrigger extension width 7.2 m

[Capacity B]  
47.9 m boom + hydraulic tilt jib Unit: t

Jib length (m) Load radius (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
11.0	4.9					
12.0	4.9					
14.0	4.9			2.9		
16.0	4.9	4.9		2.9		
18.0	4.9	4.8	4.5	2.9		
20.0	4.9	4.6	4.3	2.9	2.9	
22.0	4.7	4.4	4.1	2.9	2.9	
24.0	4.5	4.2	4.0	2.9	2.9	
26.0	4.3	4.0	3.8	2.9	2.9	2.8
28.0	4.1	3.9	3.7	2.9	2.9	2.7
30.0	3.9	3.8	3.6	2.9	2.8	2.6
32.0	3.7	3.6	3.5	2.9	2.7	2.5
34.0	3.6	3.5	3.4	2.8	2.6	2.4
36.0	3.1	3.3	3.3	2.7	2.5	2.4
38.0	2.8	2.9	3.0	2.6	2.4	2.3
40.0	2.4	2.5	2.7	2.5	2.3	2.2
42.0	2.1	2.2	2.3	2.3	2.3	2.2
44.0	1.8	1.9	2.0	2.1	2.2	2.1
46.0	1.6	1.7		1.8	2.0	2.1
48.0	1.3	1.4		1.6	1.7	1.9
50.0	1.1	1.2		1.4	1.5	1.6
52.0	0.9	1.0		1.2	1.3	1.4
54.0	0.7			1.0	1.1	
56.0				0.8	0.9	
58.0				0.6	0.7	
60.0					0.5	
θ (°)	20 to 82	27 to 82	46 to 82	32 to 82	30 to 82	47 to 82
Standard hook block	5.6 t			5.6 t		
Hook block weight	175 kg			175 kg		
Standard number of parts of line	1			1		

Note: Counterweight 21 t, outrigger extension width 7.2 m

[Capacity B]  
51.2 m boom + hydraulic tilt jib Unit: t

Jib length (m) Load radius (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
12.0	4.4					
14.0	4.4					
16.0	4.4	4.4		2.7		
18.0	4.4	4.4		2.7		
20.0	4.4	4.3	4.1	2.7		
22.0	4.4	4.1	3.9	2.7	2.7	
24.0	4.2	4.0	3.7	2.7	2.7	
26.0	4.0	3.8	3.6	2.7	2.7	2.7
28.0	3.8	3.7	3.5	2.7	2.7	2.6
30.0	3.6	3.5	3.4	2.7	2.6	2.5
32.0	3.5	3.4	3.3	2.7	2.5	2.4
34.0	3.3	3.2	3.2	2.6	2.4	2.3
36.0	3.1	3.1	3.1	2.5	2.4	2.2
38.0	2.7	2.9	2.9	2.4	2.3	2.2
40.0	2.4	2.5	2.6	2.4	2.2	2.1
42.0	2.1	2.2	2.3	2.3	2.1	2.1
44.0	1.8	1.9	2.0	2.0	2.1	2.0
46.0	1.5	1.6	1.7	1.7	1.9	2.0
48.0	1.3	1.4		1.5	1.7	1.9
50.0	1.1	1.2		1.3	1.5	1.6
52.0	0.9	0.9		1.1	1.3	1.4
54.0	0.7	0.7		0.9	1.1	1.2
56.0	0.5	0.5		0.7	0.9	
58.0				0.5	0.7	
60.0					0.5	
θ (°)	24 to 82	25 to 82	47 to 82	37 to 82	37 to 82	48 to 82
Standard hook block	5.6 t			5.6 t		
Hook block weight	175 kg			175 kg		
Standard number of parts of line	1			1		

Note: Counterweight 21 t, outrigger extension width 7.2 m

# Hydraulic tilt jib

[Capacity C]  
11.1 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
3.0	11.0					
3.5	11.0					
4.0	11.0					
4.5	11.0					
5.0	11.0	11.0		5.6		
6.0	11.0	10.2		5.6		
7.0	11.0	9.4		5.6		
8.0	11.0	8.7	6.9	5.6		
9.0	10.1	8.1	6.6	5.6		
10.0	9.3	7.6	6.3	5.6	5.0	
11.0	8.6	7.2	6.1	5.6	4.7	
12.0	8.0	6.8	5.9	5.4	4.4	
14.0	7.0	6.2	5.5	4.7	4.0	
16.0	6.2	5.7		4.1	3.6	3.1
18.0				3.7	3.3	2.9
20.0				3.3	3.0	2.7
22.0				3.1	2.8	2.6
24.0				2.8	2.7	2.5
26.0				2.6	2.5	
θ (°)	33 to 82	38 to 82	54 to 82	20 to 82	28 to 82	47 to 82
Standard hook block	18 t			5.6 t		
Hook block weight	300 kg			175 kg		
Standard number of parts of line	2			1		

Note: Counterweight 15 t, outrigger extension width 7.2 m

[Capacity C]  
33.2 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
8.0	10.1					
9.0	10.1					
10.0	10.1	8.9		4.2		
11.0	9.9	8.6		4.2		
12.0	9.5	8.2		4.2		
14.0	8.8	7.6	6.7	4.2		
16.0	8.1	7.1	6.3	4.2	4.2	
18.0	7.5	6.7	6.0	4.2	4.1	
20.0	7.0	6.3	5.7	4.2	3.9	3.2
22.0	6.3	6.0	5.4	4.2	3.8	3.0
24.0	5.3	5.6	5.2	4.2	3.6	2.9
26.0	4.5	4.8	5.0	4.0	3.5	2.9
28.0	3.9	4.1	4.3	3.9	3.4	2.8
30.0	3.3	3.5	3.6	3.7	3.2	2.7
32.0	2.8	3.0	3.1	3.3	3.1	2.6
34.0	2.4	2.5		2.9	3.0	2.6
36.0	2.0	2.1		2.5	2.8	2.6
38.0	1.7	1.8		2.2	2.4	2.5
40.0	1.4			1.9	2.0	2.2
42.0				1.6	1.7	
44.0				1.3	1.5	
46.0				1.1	1.2	
48.0				0.9		
θ (°)	15 to 82	27 to 82	46 to 82	18 to 82	29 to 82	47 to 82
Standard hook block	18 t			5.6 t		
Hook block weight	300 kg			175 kg		
Standard number of parts of line	2			1		

Note: Counterweight 15 t, outrigger extension width 7.2 m

[Capacity C]  
47.9 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
11.0	4.9					
12.0	4.9					
14.0	4.9			2.9		
16.0	4.9	4.9		2.9		
18.0	4.9	4.8	4.5	2.9		
20.0	4.9	4.6	4.3	2.9	2.9	
22.0	4.7	4.4	4.1	2.9	2.9	
24.0	4.5	4.2	4.0	2.9	2.9	
26.0	4.3	4.0	3.8	2.9	2.9	2.8
28.0	4.1	3.9	3.7	2.9	2.9	2.7
30.0	3.5	3.7	3.6	2.9	2.8	2.6
32.0	3.0	3.2	3.4	2.9	2.7	2.5
34.0	2.6	2.7	2.9	2.8	2.6	2.4
36.0	2.2	2.3	2.5	2.4	2.5	2.4
38.0	1.9	2.0	2.1	2.1	2.4	2.3
40.0	1.6	1.7	1.8	1.8	2.1	2.2
42.0	1.3	1.4	1.5	1.5	1.8	2.0
44.0	1.1	1.2	1.2	1.3	1.5	1.7
46.0	0.8	0.9		1.1	1.3	1.4
48.0	0.6	0.7		0.9	1.0	1.2
50.0		0.5		0.7	0.8	1.0
52.0				0.5	0.7	0.7
54.0				0.5		
θ (°)	35 to 82	32 to 82	46 to 82	42 to 82	42 to 82	48 to 82
Standard hook block	5.6 t			5.6 t		
Hook block weight	175 kg			175 kg		
Standard number of parts of line	1			1		

Note: Counterweight 15 t, outrigger extension width 7.2 m

[Capacity C]  
51.2 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
12.0	4.4					
14.0	4.4					
16.0	4.4	4.4		2.7		
18.0	4.4	4.4		2.7		
20.0	4.4	4.3	4.1	2.7		
22.0	4.4	4.1	3.9	2.7	2.7	
24.0	4.2	4.0	3.7	2.7	2.7	
26.0	4.0	3.8	3.6	2.7	2.7	2.7
28.0	3.8	3.7	3.5	2.7	2.7	2.6
30.0	3.4	3.5	3.4	2.7	2.6	2.5
32.0	2.9	3.2	3.3	2.7	2.5	2.4
34.0	2.5	2.7	2.9	2.6	2.4	2.3
36.0	2.1	2.3	2.5	2.4	2.4	2.2
38.0	1.8	2.0	2.1	2.0	2.3	2.2
40.0	1.5	1.6	1.8	1.7	2.0	2.1
42.0	1.2	1.4	1.5	1.5	1.7	2.0
44.0	1.0	1.1	1.2	1.2	1.4	1.7
46.0	0.8	0.9	1.0	1.0	1.2	1.4
48.0	0.6	0.7		0.8	1.0	1.2
50.0		0.5		0.6	0.8	0.9
52.0					0.6	0.7
54.0						0.5
θ (°)	40 to 82	38 to 82	47 to 82	48 to 82	49 to 82	49 to 82
Standard hook block	5.6 t			5.6 t		
Hook block weight	175 kg			175 kg		
Standard number of parts of line	1			1		

Note: Counterweight 15 t, outrigger extension width 7.2 m



[Capacity D]  
11.1 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
Load radius (m)	5°	20°	40°	5°	20°	40°
3.0	11.0					
3.5	11.0					
4.0	11.0					
4.5	11.0					
5.0	11.0	11.0		5.6		
6.0	11.0	10.2		5.6		
7.0	11.0	9.4		5.6		
8.0	11.0	8.7	6.9	5.6		
9.0	10.1	8.1	6.6	5.6		
10.0	9.3	7.6	6.3	5.6	5.0	
11.0	8.6	7.2	6.1	5.6	4.7	
12.0	8.0	6.8	5.9	5.4	4.4	
14.0	7.0	6.2	5.5	4.7	4.0	
16.0	6.2	5.7		4.1	3.6	3.1
18.0				3.7	3.3	2.9
20.0				3.3	3.0	2.7
22.0				3.1	2.8	2.6
24.0				2.8	2.7	2.5
26.0				2.6	2.5	
θ (°)	33 to 82	38 to 82	54 to 82	20 to 82	28 to 82	47 to 82
Standard hook block	18 t			5.6 t		
Hook block weight	300 kg			175 kg		
Standard number of parts of line	2			1		

Note: Counterweight 9 t, outrigger extension width 7.2 m

[Capacity D]  
33.2 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
Load radius (m)	5°	20°	40°	5°	20°	40°
8.0	10.1					
9.0	10.1					
10.0	10.1	8.9		4.2		
11.0	9.9	8.6		4.2		
12.0	9.5	8.2		4.2		
14.0	8.8	7.6	6.7	4.2		
16.0	8.1	7.1	6.3	4.2	4.2	
18.0	7.0	6.7	6.0	4.2	4.1	
20.0	5.7	6.0	5.7	4.2	3.9	3.2
22.0	4.6	5.0	5.3	4.2	3.8	3.0
24.0	3.8	4.1	4.4	4.2	3.6	2.9
26.0	3.2	3.4	3.7	3.7	3.5	2.9
28.0	2.6	2.8	3.0	3.2	3.4	2.8
30.0	2.1	2.3	2.5	2.7	3.0	2.7
32.0	1.7	1.9	2.0	2.2	2.6	2.6
34.0	1.4	1.5		1.9	2.2	2.5
36.0	1.1	1.2		1.6	1.8	2.1
38.0	0.8	0.9		1.3	1.5	1.7
40.0	0.6			1.0	1.2	1.4
42.0				0.8	0.9	
44.0				0.6	0.7	
46.0					0.5	
θ (°)	15 to 82	27 to 82	46 to 82	31 to 82	29 to 82	47 to 82
Standard hook block	18 t			5.6 t		
Hook block weight	300 kg			175 kg		
Standard number of parts of line	2			1		

Note: Counterweight 9 t, outrigger extension width 7.2 m

[Capacity D]  
47.9 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
Load radius (m)	5°	20°	40°	5°	20°	40°
11.0	4.9					
12.0	4.9					
14.0	4.9			2.9		
16.0	4.9	4.9		2.9		
18.0	4.9	4.8	4.5	2.9		
20.0	4.9	4.6	4.3	2.9	2.9	
22.0	4.7	4.4	4.1	2.9	2.9	
24.0	4.1	4.2	4.0	2.9	2.9	
26.0	3.4	3.6	3.8	2.9	2.9	2.8
28.0	2.8	3.1	3.3	2.9	2.9	2.7
30.0	2.3	2.5	2.8	2.6	2.8	2.6
32.0	1.9	2.1	2.3	2.2	2.6	2.5
34.0	1.5	1.7	1.9	1.8	2.2	2.4
36.0	1.2	1.4	1.5	1.5	1.8	2.1
38.0	1.0	1.1	1.2	1.2	1.5	1.8
40.0	0.7	0.8	0.9	1.0	1.2	1.5
42.0	0.5	0.6	0.7	0.7	1.0	1.2
44.0			0.5	0.5	0.7	0.9
46.0					0.5	0.7
48.0						0.5
θ (°)	45 to 82	47 to 82	45 to 82	53 to 82	53 to 82	54 to 82
Standard hook block	5.6 t			5.6 t		
Hook block weight	175 kg			175 kg		
Standard number of parts of line	1			1		

Note: Counterweight 9 t, outrigger extension width 7.2 m

[Capacity D]  
51.2 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
Load radius (m)	5°	20°	40°	5°	20°	40°
12.0	4.4					
14.0	4.4					
16.0	4.4	4.4		2.7		
18.0	4.4	4.4		2.7		
20.0	4.4	4.3	4.1	2.7		
22.0	4.4	4.1	3.9	2.7	2.7	
24.0	4.0	4.0	3.7	2.7	2.7	
26.0	3.3	3.6	3.6	2.7	2.7	2.7
28.0	2.8	3.0	3.3	2.7	2.7	2.6
30.0	2.3	2.5	2.7	2.5	2.6	2.5
32.0	1.9	2.1	2.3	2.1	2.5	2.4
34.0	1.5	1.7	1.9	1.8	2.1	2.3
36.0	1.2	1.4	1.5	1.4	1.8	2.1
38.0	0.9	1.1	1.2	1.1	1.4	1.7
40.0	0.7	0.8	0.9	0.9	1.2	1.4
42.0		0.6	0.7	0.7	0.9	1.2
44.0				0.5	0.7	0.9
46.0					0.5	0.7
48.0						0.5
θ (°)	52 to 82	51 to 82	53 to 82	56 to 82	56 to 82	57 to 82
Standard hook block	5.6 t			5.6 t		
Hook block weight	175 kg			175 kg		
Standard number of parts of line	1			1		

Note: Counterweight 9 t, outrigger extension width 7.2 m

# Hydraulic tilt jib

[Capacity E]  
11.1 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
3.0	11.0					
3.5	11.0					
4.0	11.0					
4.5	11.0					
5.0	11.0	11.0		5.6		
6.0	11.0	10.2		5.6		
7.0	11.0	9.4		5.6		
8.0	11.0	8.7	6.9	5.6		
9.0	10.1	8.1	6.6	5.6		
10.0	9.3	7.6	6.3	5.6	5.0	
11.0	8.6	7.2	6.1	5.6	4.7	
12.0	8.0	6.8	5.9	5.4	4.4	
14.0	7.0	6.2	5.5	4.7	4.0	
16.0	6.2	5.7		4.1	3.6	3.1
18.0				3.7	3.3	2.9
20.0				3.3	3.0	2.7
22.0				3.1	2.8	2.6
24.0				2.8	2.7	2.5
26.0				2.6	2.5	
θ (°)	33 to 82	38 to 82	54 to 82	20 to 82	28 to 82	47 to 82
Standard hook block	18 t			5.6 t		
Hook block weight	300 kg			175 kg		
Standard number of parts of line	2			1		

Note: Counterweight 5 t, outrigger extension width 7.2 m

[Capacity E]  
33.2 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
8.0	10.1					
9.0	10.1					
10.0	10.1	8.9		4.2		
11.0	9.9	8.6		4.2		
12.0	9.5	8.2		4.2		
14.0	8.8	7.6	6.7	4.2		
16.0	6.9	7.1	6.3	4.2	4.2	
18.0	5.5	5.9	6.0	4.2	4.1	
20.0	4.4	4.8	5.2	4.2	3.9	3.2
22.0	3.5	3.8	4.2	4.1	3.8	3.0
24.0	2.8	3.1	3.4	3.4	3.6	2.9
26.0	2.2	2.5	2.7	2.8	3.3	2.9
28.0	1.7	1.9	2.1	2.3	2.7	2.8
30.0	1.3	1.5	1.7	1.9	2.2	2.6
32.0	1.0	1.1	1.3	1.5	1.8	2.2
34.0	0.7	0.8		1.2	1.5	1.8
36.0		0.5		0.9	1.1	1.4
38.0				0.6	0.9	1.1
40.0					0.6	0.8
θ (°)	36 to 82	33 to 82	46 to 82	44 to 82	44 to 82	47 to 82
Standard hook block	18 t			5.6 t		
Hook block weight	300 kg			175 kg		
Standard number of parts of line	2			1		

Note: Counterweight 5 t, outrigger extension width 7.2 m

[Capacity E]  
47.9 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
11.0	4.9					
12.0	4.9					
14.0	4.9			2.9		
16.0	4.9	4.9		2.9		
18.0	4.9	4.8	4.5	2.9		
20.0	4.6	4.6	4.3	2.9	2.9	
22.0	3.7	4.1	4.1	2.9	2.9	
24.0	3.0	3.3	3.7	2.9	2.9	
26.0	2.4	2.7	3.0	2.7	2.9	2.8
28.0	1.9	2.2	2.4	2.2	2.7	2.7
30.0	1.5	1.7	2.0	1.8	2.2	2.6
32.0	1.2	1.4	1.6	1.4	1.8	2.2
34.0	0.8	1.0	1.2	1.1	1.5	1.8
36.0	0.6	0.7	0.9	0.8	1.1	1.5
38.0		0.5	0.6	0.6	0.9	1.2
40.0					0.6	0.9
42.0						0.6
θ (°)	54 to 82	53 to 82	55 to 82	59 to 82	60 to 82	61 to 82
Standard hook block	5.6 t			5.6 t		
Hook block weight	175 kg			175 kg		
Standard number of parts of line	1			1		

Note: Counterweight 5 t, outrigger extension width 7.2 m

[Capacity E]  
51.2 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
12.0	4.4					
14.0	4.4					
16.0	4.4	4.4		2.7		
18.0	4.4	4.4		2.7		
20.0	4.4	4.3	4.1	2.7		
22.0	3.7	4.0	3.9	2.7	2.7	
24.0	3.0	3.3	3.6	2.7	2.7	
26.0	2.4	2.7	3.0	2.7	2.7	2.7
28.0	1.9	2.1	2.4	2.2	2.6	2.6
30.0	1.5	1.7	1.9	1.7	2.2	2.5
32.0	1.1	1.3	1.5	1.4	1.8	2.2
34.0	0.8	1.0	1.2	1.1	1.4	1.8
36.0	0.5	0.7	0.9	0.8	1.1	1.4
38.0			0.6		0.8	1.1
40.0					0.6	0.9
42.0						0.6
θ (°)	57 to 82	58 to 82	58 to 82	64 to 82	63 to 82	64 to 82
Standard hook block	5.6 t			5.6 t		
Hook block weight	175 kg			175 kg		
Standard number of parts of line	1			1		

Note: Counterweight 5 t, outrigger extension width 7.2 m



[Capacity G]  
11.1 m boom + hydraulic tilt jib Unit: t

Jib length (m) Load radius (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
3.0	11.0					
3.5	11.0					
4.0	11.0					
4.5	11.0					
5.0	11.0	11.0		5.6		
6.0	11.0	10.2		5.6		
7.0	11.0	9.4		5.6		
8.0	11.0	8.7	6.9	5.6		
9.0	10.1	8.1	6.6	5.6		
10.0	9.3	7.6	6.3	5.6	5.0	
11.0	8.6	7.2	6.1	5.6	4.7	
12.0	8.0	6.8	5.9	5.4	4.4	
14.0	7.0	6.2	5.5	4.7	4.0	
16.0	6.2	5.7		4.1	3.6	3.1
18.0				3.7	3.3	2.9
20.0				3.3	3.0	2.7
22.0				3.1	2.8	2.6
24.0				2.8	2.7	2.5
26.0				2.6	2.5	
θ (°)	33 to 82	38 to 82	54 to 82	20 to 82	28 to 82	47 to 82
Standard hook block	18 t			5.6 t		
Hook block weight	300 kg			175 kg		
Standard number of parts of line	2			1		

Note: Counterweight 25 t, outrigger extension width 6.0 m

[Capacity G]  
33.2 m boom + hydraulic tilt jib Unit: t

Jib length (m) Load radius (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
8.0	10.1					
9.0	10.1					
10.0	10.1	8.9		4.2		
11.0	9.9	8.6		4.2		
12.0	9.5	8.2		4.2		
14.0	8.8	7.6	6.7	4.2		
16.0	8.1	7.1	6.3	4.2	4.2	
18.0	7.5	6.7	6.0	4.2	4.1	
20.0	7.0	6.3	5.7	4.2	3.9	3.2
22.0	6.6	6.0	5.4	4.2	3.8	3.0
24.0	6.3	5.7	5.2	4.2	3.6	2.9
26.0	5.4	5.4	5.0	4.0	3.5	2.9
28.0	4.7	4.9	4.9	3.9	3.4	2.8
30.0	4.1	4.2	4.4	3.7	3.2	2.7
32.0	3.5	3.7	3.8	3.6	3.1	2.6
34.0	3.1	3.2		3.5	3.0	2.6
36.0	2.7	2.8		3.1	2.9	2.6
38.0	2.3	2.4		2.8	2.8	2.5
40.0	2.0			2.4	2.6	2.5
42.0				2.1	2.3	
44.0				1.9	2.0	
46.0				1.6	1.7	
48.0				1.4		
θ (°)	15 to 82	27 to 82	46 to 82	18 to 82	29 to 82	47 to 82
Standard hook block	18 t			5.6 t		
Hook block weight	300 kg			175 kg		
Standard number of parts of line	2			1		

Note: Counterweight 25 t, outrigger extension width 6.0 m

[Capacity G]  
47.9 m boom + hydraulic tilt jib Unit: t

Jib length (m) Load radius (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
11.0	4.9					
12.0	4.9					
14.0	4.9			2.9		
16.0	4.9	4.9		2.9		
18.0	4.9	4.8	4.5	2.9		
20.0	4.9	4.6	4.3	2.9	2.9	
22.0	4.7	4.4	4.1	2.9	2.9	
24.0	4.5	4.2	4.0	2.9	2.9	
26.0	4.3	4.0	3.8	2.9	2.9	2.8
28.0	4.1	3.9	3.7	2.9	2.9	2.7
30.0	3.9	3.8	3.6	2.9	2.8	2.6
32.0	3.7	3.6	3.5	2.9	2.7	2.5
34.0	3.2	3.4	3.4	2.8	2.6	2.4
36.0	2.8	3.0	3.1	2.7	2.5	2.4
38.0	2.5	2.6	2.7	2.6	2.4	2.3
40.0	2.1	2.3	2.4	2.4	2.3	2.2
42.0	1.9	2.0	2.1	2.1	2.3	2.2
44.0	1.6	1.7	1.8	1.8	2.0	2.1
46.0	1.4	1.4		1.6	1.8	2.0
48.0	1.1	1.2		1.4	1.5	1.7
50.0	0.9	1.0		1.2	1.3	1.4
52.0	0.7	0.8		1.0	1.1	1.2
54.0	0.5			0.8	0.9	
56.0				0.6	0.7	
58.0					0.5	
θ (°)	20 to 82	27 to 82	46 to 82	35 to 82	35 to 82	47 to 82
Standard hook block	5.6 t			5.6 t		
Hook block weight	175 kg			175 kg		
Standard number of parts of line	1			1		

Note: Counterweight 25 t, outrigger extension width 6.0 m

[Capacity G]  
51.2 m boom + hydraulic tilt jib Unit: t

Jib length (m) Load radius (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
12.0	4.4					
14.0	4.4					
16.0	4.4	4.4		2.7		
18.0	4.4	4.4		2.7		
20.0	4.4	4.3	4.1	2.7		
22.0	4.4	4.1	3.9	2.7	2.7	
24.0	4.2	4.0	3.7	2.7	2.7	
26.0	4.0	3.8	3.6	2.7	2.7	2.7
28.0	3.8	3.7	3.5	2.7	2.7	2.6
30.0	3.6	3.5	3.4	2.7	2.6	2.5
32.0	3.5	3.4	3.3	2.7	2.5	2.4
34.0	3.2	3.2	3.2	2.6	2.4	2.3
36.0	2.8	3.0	3.1	2.5	2.4	2.2
38.0	2.4	2.6	2.7	2.4	2.3	2.2
40.0	2.1	2.2	2.4	2.3	2.2	2.1
42.0	1.8	1.9	2.0	2.0	2.1	2.1
44.0	1.5	1.7	1.7	1.8	2.0	2.0
46.0	1.3	1.4	1.5	1.5	1.7	1.9
48.0	1.1	1.2		1.3	1.5	1.7
50.0	0.9	0.9		1.1	1.3	1.4
52.0	0.6	0.7		0.9	1.1	1.2
54.0		0.5		0.7	0.9	1.0
56.0				0.5	0.6	
θ (°)	33 to 82	30 to 82	47 to 82	40 to 82	43 to 82	49 to 82
Standard hook block	5.6 t			5.6 t		
Hook block weight	175 kg			175 kg		
Standard number of parts of line	1			1		

Note: Counterweight 25 t, outrigger extension width 6.0 m

# Hydraulic tilt jib

[Capacity H]  
11.1 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
3.0	11.0					
3.5	11.0					
4.0	11.0					
4.5	11.0					
5.0	11.0	11.0		5.6		
6.0	11.0	10.2		5.6		
7.0	11.0	9.4		5.6		
8.0	11.0	8.7	6.9	5.6		
9.0	10.1	8.1	6.6	5.6		
10.0	9.3	7.6	6.3	5.6	5.0	
11.0	8.6	7.2	6.1	5.6	4.7	
12.0	8.0	6.8	5.9	5.4	4.4	
14.0	7.0	6.2	5.5	4.7	4.0	
16.0	6.2	5.7		4.1	3.6	3.1
18.0				3.7	3.3	2.9
20.0				3.3	3.0	2.7
22.0				3.1	2.8	2.6
24.0				2.8	2.7	2.5
26.0				2.6	2.5	
θ (°)	33 to 82	38 to 82	54 to 82	20 to 82	28 to 82	47 to 82
Standard hook block	18 t			5.6 t		
Hook block weight	300 kg			175 kg		
Standard number of parts of line	2			1		

Note: Counterweight 21 t, outrigger extension width 6.0 m

[Capacity H]  
33.2 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
8.0	10.1					
9.0	10.1					
10.0	10.1	8.9		4.2		
11.0	9.9	8.6		4.2		
12.0	9.5	8.2		4.2		
14.0	8.8	7.6	6.7	4.2		
16.0	8.1	7.1	6.3	4.2	4.2	
18.0	7.5	6.7	6.0	4.2	4.1	
20.0	7.0	6.3	5.7	4.2	3.9	3.2
22.0	6.3	6.0	5.4	4.2	3.8	3.0
24.0	5.4	5.7	5.2	4.2	3.6	2.9
26.0	4.6	4.8	5.0	4.0	3.5	2.9
28.0	3.9	4.2	4.3	3.9	3.4	2.8
30.0	3.4	3.6	3.7	3.7	3.2	2.7
32.0	2.9	3.0	3.2	3.4	3.1	2.6
34.0	2.5	2.6		3.0	3.0	2.6
36.0	2.1	2.2		2.6	2.8	2.6
38.0	1.8	1.9		2.2	2.5	2.5
40.0	1.5			1.9	2.1	2.3
42.0				1.7	1.8	
44.0				1.4	1.6	
46.0				1.2	1.3	
48.0				1.0		
θ (°)	15 to 82	27 to 82	46 to 82	18 to 82	29 to 82	47 to 82
Standard hook block	18 t			5.6 t		
Hook block weight	300 kg			175 kg		
Standard number of parts of line	2			1		

Note: Counterweight 21 t, outrigger extension width 6.0 m

[Capacity H]  
47.9 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
11.0	4.9					
12.0	4.9					
14.0	4.9			2.9		
16.0	4.9	4.9		2.9		
18.0	4.9	4.8	4.5	2.9		
20.0	4.9	4.6	4.3	2.9	2.9	
22.0	4.7	4.4	4.1	2.9	2.9	
24.0	4.5	4.2	4.0	2.9	2.9	
26.0	4.3	4.0	3.8	2.9	2.9	2.8
28.0	4.1	3.9	3.7	2.9	2.9	2.7
30.0	3.6	3.8	3.6	2.9	2.8	2.6
32.0	3.1	3.3	3.5	2.9	2.7	2.5
34.0	2.6	2.8	3.0	2.8	2.6	2.4
36.0	2.3	2.4	2.6	2.5	2.5	2.4
38.0	1.9	2.1	2.2	2.2	2.4	2.3
40.0	1.6	1.8	1.9	1.9	2.1	2.2
42.0	1.4	1.5	1.6	1.6	1.9	2.1
44.0	1.1	1.2	1.3	1.4	1.6	1.8
46.0	0.9	1.0		1.2	1.3	1.5
48.0	0.7	0.8		1.0	1.1	1.3
50.0	0.5	0.6		0.8	0.9	1.1
52.0				0.5	0.7	0.8
54.0					0.5	
θ (°)	31 to 82	32 to 82	46 to 82	42 to 82	42 to 82	48 to 82
Standard hook block	5.6 t			5.6 t		
Hook block weight	175 kg			175 kg		
Standard number of parts of line	1			1		

Note: Counterweight 21 t, outrigger extension width 6.0 m

[Capacity H]  
51.2 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
12.0	4.4					
14.0	4.4					
16.0	4.4	4.4		2.7		
18.0	4.4	4.4		2.7		
20.0	4.4	4.3	4.1	2.7		
22.0	4.4	4.1	3.9	2.7	2.7	
24.0	4.2	4.0	3.7	2.7	2.7	
26.0	4.0	3.8	3.6	2.7	2.7	2.7
28.0	3.8	3.7	3.5	2.7	2.7	2.6
30.0	3.5	3.5	3.4	2.7	2.6	2.5
32.0	3.0	3.2	3.3	2.7	2.5	2.4
34.0	2.6	2.8	3.0	2.6	2.4	2.3
36.0	2.2	2.4	2.6	2.5	2.4	2.2
38.0	1.9	2.0	2.2	2.1	2.3	2.2
40.0	1.6	1.7	1.9	1.8	2.1	2.1
42.0	1.3	1.5	1.6	1.6	1.8	2.1
44.0	1.1	1.2	1.3	1.3	1.5	1.8
46.0	0.9	1.0	1.1	1.1	1.3	1.5
48.0	0.6	0.7		0.9	1.1	1.3
50.0		0.5		0.7	0.9	1.0
52.0				0.5	0.7	0.8
54.0					0.5	0.6
θ (°)	40 to 82	38 to 82	47 to 82	46 to 82	46 to 82	49 to 82
Standard hook block	5.6 t			5.6 t		
Hook block weight	175 kg			175 kg		
Standard number of parts of line	1			1		

Note: Counterweight 21 t, outrigger extension width 6.0 m



[Capacity I]  
11.1 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
Load radius (m)	5°	20°	40°	5°	20°	40°
3.0	11.0					
3.5	11.0					
4.0	11.0					
4.5	11.0					
5.0	11.0	11.0		5.6		
6.0	11.0	10.2		5.6		
7.0	11.0	9.4		5.6		
8.0	11.0	8.7	6.9	5.6		
9.0	10.1	8.1	6.6	5.6		
10.0	9.3	7.6	6.3	5.6	5.0	
11.0	8.6	7.2	6.1	5.6	4.7	
12.0	8.0	6.8	5.9	5.4	4.4	
14.0	7.0	6.2	5.5	4.7	4.0	
16.0	6.2	5.7		4.1	3.6	3.1
18.0				3.7	3.3	2.9
20.0				3.3	3.0	2.7
22.0				3.1	2.8	2.6
24.0				2.8	2.7	2.5
26.0				2.6	2.5	
θ (°)	33 to 82	38 to 82	54 to 82	20 to 82	28 to 82	47 to 82
Standard hook block	18 t			5.6 t		
Hook block weight	300 kg			175 kg		
Standard number of parts of line	2			1		

Note: Counterweight 15 t, outrigger extension width 6.0 m

[Capacity I]  
33.2 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
Load radius (m)	5°	20°	40°	5°	20°	40°
8.0	10.1					
9.0	10.1					
10.0	10.1	8.9		4.2		
11.0	9.9	8.6		4.2		
12.0	9.5	8.2		4.2		
14.0	8.8	7.6	6.7	4.2		
16.0	8.1	7.1	6.3	4.2	4.2	
18.0	7.1	6.7	6.0	4.2	4.1	
20.0	5.8	6.2	5.7	4.2	3.9	3.2
22.0	4.8	5.2	5.4	4.2	3.8	3.0
24.0	4.0	4.3	4.6	4.2	3.6	2.9
26.0	3.4	3.6	3.8	3.9	3.5	2.9
28.0	2.8	3.0	3.2	3.3	3.4	2.8
30.0	2.3	2.5	2.7	2.8	3.2	2.7
32.0	1.9	2.1	2.2	2.4	2.7	2.6
34.0	1.6	1.7		2.0	2.3	2.6
36.0	1.2	1.3		1.7	2.0	2.2
38.0	1.0	1.0		1.4	1.6	1.8
40.0	0.7			1.2	1.4	1.5
42.0				0.9	1.1	
44.0				0.7	0.9	
46.0				0.5	0.6	
θ (°)	15 to 82	27 to 82	46 to 82	26 to 82	29 to 82	47 to 82
Standard hook block	18 t			5.6 t		
Hook block weight	300 kg			175 kg		
Standard number of parts of line	2			1		

Note: Counterweight 15 t, outrigger extension width 6.0 m

[Capacity I]  
47.9 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
Load radius (m)	5°	20°	40°	5°	20°	40°
11.0	4.9					
12.0	4.9					
14.0	4.9			2.9		
16.0	4.9	4.9		2.9		
18.0	4.9	4.8	4.5	2.9		
20.0	4.9	4.6	4.3	2.9	2.9	
22.0	4.7	4.4	4.1	2.9	2.9	
24.0	4.2	4.2	4.0	2.9	2.9	
26.0	3.6	3.8	3.8	2.9	2.9	2.8
28.0	3.0	3.2	3.5	2.9	2.9	2.7
30.0	2.5	2.7	2.9	2.8	2.8	2.6
32.0	2.1	2.3	2.5	2.4	2.7	2.5
34.0	1.7	1.9	2.1	2.0	2.3	2.4
36.0	1.4	1.6	1.7	1.7	2.0	2.3
38.0	1.1	1.3	1.4	1.4	1.6	1.9
40.0	0.9	1.0	1.1	1.1	1.4	1.6
42.0	0.6	0.8	0.8	0.9	1.1	1.3
44.0		0.5	0.6	0.7	0.9	1.1
46.0				0.5	0.7	0.9
48.0					0.5	0.6
θ (°)	45 to 82	44 to 82	45 to 82	50 to 82	50 to 82	54 to 82
Standard hook block	5.6 t			5.6 t		
Hook block weight	175 kg			175 kg		
Standard number of parts of line	1			1		

Note: Counterweight 15 t, outrigger extension width 6.0 m

[Capacity I]  
51.2 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
Load radius (m)	5°	20°	40°	5°	20°	40°
12.0	4.4					
14.0	4.4					
16.0	4.4	4.4		2.7		
18.0	4.4	4.4		2.7		
20.0	4.4	4.3	4.1	2.7		
22.0	4.4	4.1	3.9	2.7	2.7	
24.0	4.2	4.0	3.7	2.7	2.7	
26.0	3.5	3.8	3.6	2.7	2.7	2.7
28.0	2.9	3.2	3.5	2.7	2.7	2.6
30.0	2.5	2.7	2.9	2.7	2.6	2.5
32.0	2.0	2.2	2.5	2.3	2.5	2.4
34.0	1.7	1.9	2.0	1.9	2.3	2.3
36.0	1.4	1.5	1.7	1.6	1.9	2.2
38.0	1.1	1.2	1.4	1.3	1.6	1.9
40.0	0.8	1.0	1.1	1.1	1.3	1.6
42.0	0.6	0.7	0.8	0.8	1.1	1.3
44.0		0.5	0.6	0.6	0.8	1.1
46.0					0.6	0.8
48.0						0.6
θ (°)	49 to 82	48 to 82	50 to 82	55 to 82	58 to 82	57 to 82
Standard hook block	5.6 t			5.6 t		
Hook block weight	175 kg			175 kg		
Standard number of parts of line	1			1		

Note: Counterweight 15 t, outrigger extension width 6.0 m

# Hydraulic tilt jib

[Capacity J]  
11.1 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
3.0	11.0					
3.5	11.0					
4.0	11.0					
4.5	11.0					
5.0	11.0	11.0		5.6		
6.0	11.0	10.2		5.6		
7.0	11.0	9.4		5.6		
8.0	11.0	8.7	6.9	5.6		
9.0	10.1	8.1	6.6	5.6		
10.0	9.3	7.6	6.3	5.6	5.0	
11.0	8.6	7.2	6.1	5.6	4.7	
12.0	8.0	6.8	5.9	5.4	4.4	
14.0	7.0	6.2	5.5	4.7	4.0	
16.0	6.2	5.7		4.1	3.6	3.1
18.0				3.7	3.3	2.9
20.0				3.3	3.0	2.7
22.0				3.1	2.8	2.6
24.0				2.8	2.7	2.5
26.0				2.6	2.5	
θ (°)	33 to 82	38 to 82	54 to 82	20 to 82	28 to 82	47 to 82
Standard hook block	18 t			5.6 t		
Hook block weight	300 kg			175 kg		
Standard number of parts of line	2			1		

Note: Counterweight 9 t, outrigger extension width 6.0 m

[Capacity J]  
33.2 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
8.0	10.1					
9.0	10.1					
10.0	10.1	8.9		4.2		
11.0	9.9	8.6		4.2		
12.0	9.5	8.2		4.2		
14.0	8.5	7.6	6.7	4.2		
16.0	6.6	7.1	6.3	4.2	4.2	
18.0	5.2	5.7	6.0	4.2	4.1	
20.0	4.2	4.5	5.0	4.2	3.9	3.2
22.0	3.3	3.7	4.0	4.0	3.8	3.0
24.0	2.7	3.0	3.2	3.3	3.6	2.9
26.0	2.1	2.4	2.6	2.7	3.1	2.9
28.0	1.7	1.9	2.1	2.2	2.6	2.8
30.0	1.3	1.4	1.6	1.8	2.1	2.5
32.0	0.9	1.1	1.2	1.4	1.8	2.1
34.0	0.6	0.8		1.1	1.4	1.7
36.0		0.5		0.9	1.1	1.3
38.0				0.6	0.8	1.0
40.0					0.6	0.7
θ (°)	36 to 82	33 to 82	46 to 82	44 to 82	44 to 82	48 to 82
Standard hook block	18 t			5.6 t		
Hook block weight	300 kg			175 kg		
Standard number of parts of line	2			1		

Note: Counterweight 9 t, outrigger extension width 6.0 m

[Capacity J]  
47.9 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
11.0	4.9					
12.0	4.9					
14.0	4.9			2.9		
16.0	4.9	4.9		2.9		
18.0	4.9	4.8	4.5	2.9		
20.0	4.4	4.6	4.3	2.9	2.9	
22.0	3.6	3.9	4.1	2.9	2.9	
24.0	2.9	3.2	3.5	2.9	2.9	
26.0	2.3	2.6	2.9	2.6	2.9	2.8
28.0	1.9	2.1	2.4	2.1	2.6	2.7
30.0	1.5	1.7	1.9	1.7	2.1	2.6
32.0	1.1	1.3	1.5	1.4	1.7	2.2
34.0	0.8	1.0	1.2	1.1	1.4	1.8
36.0	0.5	0.7	0.9	0.8	1.1	1.4
38.0		0.5	0.6	0.6	0.8	1.1
40.0					0.6	0.9
42.0						0.6
θ (°)	54 to 82	53 to 82	55 to 82	59 to 82	60 to 82	61 to 82
Standard hook block	5.6 t			5.6 t		
Hook block weight	175 kg			175 kg		
Standard number of parts of line	1			1		

Note: Counterweight 9 t, outrigger extension width 6.0 m

[Capacity J]  
51.2 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
12.0	4.4					
14.0	4.4					
16.0	4.4	4.4		2.7		
18.0	4.4	4.4		2.7		
20.0	4.4	4.3	4.1	2.7		
22.0	3.5	3.9	3.9	2.7	2.7	
24.0	2.8	3.2	3.5	2.7	2.7	
26.0	2.3	2.6	2.9	2.6	2.7	2.7
28.0	1.8	2.1	2.3	2.1	2.5	2.6
30.0	1.4	1.6	1.9	1.7	2.1	2.5
32.0	1.1	1.3	1.5	1.3	1.7	2.1
34.0	0.8	0.9	1.1	1.0	1.4	1.7
36.0		0.7	0.8	0.7	1.1	1.4
38.0			0.6		0.8	1.1
40.0						0.8
42.0						0.6
θ (°)	59 to 82	58 to 82	58 to 82	64 to 82	65 to 82	64 to 82
Standard hook block	5.6 t			5.6 t		
Hook block weight	175 kg			175 kg		
Standard number of parts of line	1			1		

Note: Counterweight 9 t, outrigger extension width 6.0 m



[Capacity K]  
11.1 m boom + hydraulic tilt jib Unit: t

Jib length (m) Load radius (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
3.0	11.0					
3.5	11.0					
4.0	11.0					
4.5	11.0					
5.0	11.0	11.0		5.6		
6.0	11.0	10.2		5.6		
7.0	11.0	9.4		5.6		
8.0	11.0	8.7	6.9	5.6		
9.0	10.1	8.1	6.6	5.6		
10.0	9.3	7.6	6.3	5.6	5.0	
11.0	8.6	7.2	6.1	5.6	4.7	
12.0	8.0	6.8	5.9	5.4	4.4	
14.0	7.0	6.2	5.5	4.7	4.0	
16.0	6.2	5.7		4.1	3.6	3.1
18.0				3.7	3.3	2.9
20.0				3.3	3.0	2.7
22.0				3.1	2.8	2.6
24.0				2.8	2.7	2.5
26.0				2.6	2.5	
θ (°)	33 to 82	38 to 82	54 to 82	20 to 82	28 to 82	47 to 82
Standard hook block	18 t			5.6 t		
Hook block weight	300 kg			175 kg		
Standard number of parts of line	2			1		

Note: Counterweight 5 t, outrigger extension width 6.0 m

[Capacity K]  
33.2 m boom + hydraulic tilt jib Unit: t

Jib length (m) Load radius (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
8.0	10.1					
9.0	10.1					
10.0	10.1	8.9		4.2		
11.0	9.9	8.6		4.2		
12.0	9.0	8.2		4.2		
14.0	6.7	7.3	6.7	4.2		
16.0	5.1	5.6	6.2	4.2	4.2	
18.0	3.9	4.3	4.8	4.2	4.1	
20.0	3.0	3.4	3.8	3.7	3.9	3.2
22.0	2.3	2.6	3.0	2.9	3.5	3.0
24.0	1.7	2.0	2.3	2.3	2.8	2.9
26.0	1.3	1.5	1.7	1.8	2.3	2.8
28.0	0.9	1.1	1.3	1.4	1.8	2.3
30.0	0.5	0.7	0.9	1.1	1.4	1.8
32.0			0.5	0.8	1.1	1.4
34.0				0.5	0.8	1.1
36.0					0.5	0.8
38.0						0.5
θ (°)	45 to 82	47 to 82	46 to 82	50 to 82	51 to 82	52 to 82
Standard hook block	18 t			5.6 t		
Hook block weight	300 kg			175 kg		
Standard number of parts of line	2			1		

Note: Counterweight 5 t, outrigger extension width 6.0 m

[Capacity K]  
47.9 m boom + hydraulic tilt jib Unit: t

Jib length (m) Load radius (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
11.0	4.9					
12.0	4.9					
14.0	4.9			2.9		
16.0	4.9	4.9		2.9		
18.0	4.2	4.6	4.5	2.9		
20.0	3.2	3.6	4.1	2.9	2.9	
22.0	2.5	2.9	3.3	2.9	2.9	
24.0	2.0	2.3	2.6	2.3	2.8	
26.0	1.5	1.7	2.0	1.8	2.3	2.8
28.0	1.1	1.3	1.6	1.4	1.8	2.3
30.0	0.7	0.9	1.2	1.0	1.4	1.9
32.0		0.6	0.8		1.1	1.5
34.0					0.8	1.1
36.0						0.8
θ (°)	61 to 82	60 to 82	63 to 82	68 to 82	67 to 82	68 to 82
Standard hook block	5.6 t			5.6 t		
Hook block weight	175 kg			175 kg		
Standard number of parts of line	1			1		

Note: Counterweight 5 t, outrigger extension width 6.0 m

[Capacity K]  
51.2 m boom + hydraulic tilt jib Unit: t

Jib length (m) Load radius (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
12.0	4.4					
14.0	4.4					
16.0	4.4	4.4		2.7		
18.0	4.1	4.4		2.7		
20.0	3.2	3.6	4.1	2.7		
22.0	2.5	2.8	3.2	2.7	2.7	
24.0	1.9	2.2	2.6	2.2	2.7	
26.0	1.4	1.7	2.0	1.7	2.2	2.7
28.0	1.0	1.3	1.5	1.3	1.8	2.3
30.0		0.9	1.1	0.9	1.4	1.8
32.0			0.8		1.0	1.4
34.0						1.1
36.0						0.8
θ (°)	66 to 82	65 to 82	65 to 82	69 to 82	71 to 82	70 to 82
Standard hook block	5.6 t			5.6 t		
Hook block weight	175 kg			175 kg		
Standard number of parts of line	1			1		

Note: Counterweight 5 t, outrigger extension width 6.0 m

HLJ

# Hydraulic tilt jib

[Capacity M]  
11.1 m boom + hydraulic tilt jib Unit: t

Jib length (m) Load radius (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
3.0	11.0					
3.5	11.0					
4.0	11.0					
4.5	11.0					
5.0	11.0	11.0		5.6		
6.0	11.0	10.2		5.6		
7.0	11.0	9.4		5.6		
8.0	11.0	8.7	6.9	5.6		
9.0	10.1	8.1	6.6	5.6		
10.0	9.3	7.6	6.3	5.6	5.0	
11.0	8.6	7.2	6.1	5.6	4.7	
12.0	8.0	6.8	5.9	5.4	4.4	
14.0	7.0	6.2	5.5	4.7	4.0	
16.0	6.2	5.7		4.1	3.6	3.1
18.0				3.7	3.3	2.9
20.0				3.3	3.0	2.7
22.0				3.1	2.8	2.6
24.0				2.8	2.7	2.5
26.0				2.6	2.5	
θ (°)	33 to 82	38 to 82	54 to 82	20 to 82	28 to 82	47 to 82
Standard hook block	18 t			5.6 t		
Hook block weight	300 kg			175 kg		
Standard number of parts of line	2			1		

Note: Counterweight 25 t, outrigger extension width 5.0 m

[Capacity M]  
33.2 m boom + hydraulic tilt jib Unit: t

Jib length (m) Load radius (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
8.0	10.1					
9.0	10.1					
10.0	10.1	8.9		4.2		
11.0	9.9	8.6		4.2		
12.0	9.5	8.2		4.2		
14.0	8.8	7.6	6.7	4.2		
16.0	8.1	7.1	6.3	4.2	4.2	
18.0	7.5	6.7	6.0	4.2	4.1	
20.0	6.9	6.3	5.7	4.2	3.9	3.2
22.0	5.8	6.0	5.4	4.2	3.8	3.0
24.0	4.9	5.2	5.2	4.2	3.6	2.9
26.0	4.2	4.4	4.6	4.0	3.5	2.9
28.0	3.6	3.8	4.0	3.9	3.4	2.8
30.0	3.0	3.2	3.4	3.5	3.2	2.7
32.0	2.6	2.7	2.9	3.1	3.1	2.6
34.0	2.2	2.3		2.7	2.9	2.6
36.0	1.9	2.0		2.3	2.6	2.6
38.0	1.6	1.6		2.0	2.2	2.4
40.0	1.3			1.7	1.9	2.0
42.0				1.5	1.6	
44.0				1.2	1.3	
46.0				1.0	1.1	
48.0				0.8		
θ (°)	15 to 82	27 to 82	46 to 82	25 to 82	29 to 82	47 to 82
Standard hook block	18 t			5.6 t		
Hook block weight	300 kg			175 kg		
Standard number of parts of line	2			1		

Note: Counterweight 25 t, outrigger extension width 5.0 m

[Capacity M]  
47.9 m boom + hydraulic tilt jib Unit: t

Jib length (m) Load radius (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
11.0	4.9					
12.0	4.9					
14.0	4.9			2.9		
16.0	4.9	4.9		2.9		
18.0	4.9	4.8	4.5	2.9		
20.0	4.9	4.6	4.3	2.9	2.9	
22.0	4.7	4.4	4.1	2.9	2.9	
24.0	4.5	4.2	4.0	2.9	2.9	
26.0	4.3	4.0	3.8	2.9	2.9	2.8
28.0	3.8	3.9	3.7	2.9	2.9	2.7
30.0	3.2	3.4	3.6	2.9	2.8	2.6
32.0	2.8	3.0	3.2	2.9	2.7	2.5
34.0	2.4	2.5	2.7	2.6	2.6	2.4
36.0	2.0	2.2	2.3	2.3	2.5	2.4
38.0	1.7	1.8	2.0	1.9	2.2	2.3
40.0	1.4	1.5	1.7	1.7	1.9	2.2
42.0	1.2	1.3	1.4	1.4	1.6	1.9
44.0	0.9	1.0	1.1	1.2	1.4	1.6
46.0	0.7	0.8		1.0	1.1	1.3
48.0	0.5	0.6		0.8	0.9	1.1
50.0				0.5	0.7	0.9
52.0					0.5	0.7
θ (°)	35 to 82	36 to 82	46 to 82	45 to 82	45 to 82	48 to 82
Standard hook block	5.6 t			5.6 t		
Hook block weight	175 kg			175 kg		
Standard number of parts of line	1			1		

Note: Counterweight 25 t, outrigger extension width 5.0 m

[Capacity M]  
51.2 m boom + hydraulic tilt jib Unit: t

Jib length (m) Load radius (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
12.0	4.4					
14.0	4.4					
16.0	4.4	4.4		2.7		
18.0	4.4	4.4		2.7		
20.0	4.4	4.3	4.1	2.7		
22.0	4.4	4.1	3.9	2.7	2.7	
24.0	4.2	4.0	3.7	2.7	2.7	
26.0	4.0	3.8	3.6	2.7	2.7	2.7
28.0	3.7	3.7	3.5	2.7	2.7	2.6
30.0	3.2	3.4	3.4	2.7	2.6	2.5
32.0	2.7	2.9	3.1	2.7	2.5	2.4
34.0	2.3	2.5	2.7	2.6	2.4	2.3
36.0	2.0	2.1	2.3	2.2	2.4	2.2
38.0	1.7	1.8	1.9	1.9	2.2	2.2
40.0	1.4	1.5	1.6	1.6	1.9	2.1
42.0	1.1	1.2	1.4	1.3	1.6	1.8
44.0	0.9	1.0	1.1	1.1	1.3	1.6
46.0	0.7	0.8	0.9	0.9	1.1	1.3
48.0		0.5		0.7	0.9	1.1
50.0				0.5	0.7	0.9
52.0					0.5	0.6
θ (°)	43 to 82	42 to 82	47 to 82	48 to 82	49 to 82	51 to 82
Standard hook block	5.6 t			5.6 t		
Hook block weight	175 kg			175 kg		
Standard number of parts of line	1			1		

Note: Counterweight 25 t, outrigger extension width 5.0 m



[Capacity N]  
11.1 m boom + hydraulic tilt jib Unit: t

Jib length (m) Load radius (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
3.0	11.0					
3.5	11.0					
4.0	11.0					
4.5	11.0					
5.0	11.0	11.0		5.6		
6.0	11.0	10.2		5.6		
7.0	11.0	9.4		5.6		
8.0	11.0	8.7	6.9	5.6		
9.0	10.1	8.1	6.6	5.6		
10.0	9.3	7.6	6.3	5.6	5.0	
11.0	8.6	7.2	6.1	5.6	4.7	
12.0	8.0	6.8	5.9	5.4	4.4	
14.0	7.0	6.2	5.5	4.7	4.0	
16.0	6.2	5.7		4.1	3.6	3.1
18.0				3.7	3.3	2.9
20.0				3.3	3.0	2.7
22.0				3.1	2.8	2.6
24.0				2.8	2.7	2.5
26.0				2.6	2.5	
θ (°)	33 to 82	38 to 82	54 to 82	20 to 82	28 to 82	47 to 82
Standard hook block	18 t			5.6 t		
Hook block weight	300 kg			175 kg		
Standard number of parts of line	2			1		

Note: Counterweight 21 t, outrigger extension width 5.0 m

[Capacity N]  
33.2 m boom + hydraulic tilt jib Unit: t

Jib length (m) Load radius (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
8.0	10.1					
9.0	10.1					
10.0	10.1	8.9		4.2		
11.0	9.9	8.6		4.2		
12.0	9.5	8.2		4.2		
14.0	8.8	7.6	6.7	4.2		
16.0	8.1	7.1	6.3	4.2	4.2	
18.0	7.1	6.7	6.0	4.2	4.1	
20.0	5.9	6.3	5.7	4.2	3.9	3.2
22.0	4.9	5.2	5.4	4.2	3.8	3.0
24.0	4.1	4.4	4.7	4.2	3.6	2.9
26.0	3.5	3.7	3.9	4.0	3.5	2.9
28.0	2.9	3.1	3.3	3.4	3.4	2.8
30.0	2.4	2.6	2.8	2.9	3.2	2.7
32.0	2.0	2.2	2.3	2.5	2.8	2.6
34.0	1.7	1.8		2.1	2.4	2.6
36.0	1.4	1.4		1.8	2.1	2.3
38.0	1.1	1.1		1.5	1.7	1.9
40.0	0.8			1.3	1.4	1.6
42.0				1.0	1.2	
44.0				0.8	0.9	
46.0				0.6	0.7	
θ (°)	15 to 82	27 to 82	46 to 82	26 to 82	29 to 82	47 to 82
Standard hook block	18 t			5.6 t		
Hook block weight	300 kg			175 kg		
Standard number of parts of line	2			1		

Note: Counterweight 21 t, outrigger extension width 5.0 m

[Capacity N]  
47.9 m boom + hydraulic tilt jib Unit: t

Jib length (m) Load radius (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
11.0	4.9					
12.0	4.9					
14.0	4.9			2.9		
16.0	4.9	4.9		2.9		
18.0	4.9	4.8	4.5	2.9		
20.0	4.9	4.6	4.3	2.9	2.9	
22.0	4.7	4.4	4.1	2.9	2.9	
24.0	4.3	4.2	4.0	2.9	2.9	
26.0	3.7	3.9	3.8	2.9	2.9	2.8
28.0	3.1	3.3	3.6	2.9	2.9	2.7
30.0	2.6	2.8	3.0	2.9	2.8	2.6
32.0	2.2	2.4	2.6	2.5	2.7	2.5
34.0	1.8	2.0	2.2	2.1	2.4	2.4
36.0	1.5	1.7	1.8	1.8	2.1	2.4
38.0	1.2	1.4	1.5	1.5	1.7	2.0
40.0	1.0	1.1	1.2	1.2	1.5	1.7
42.0	0.7	0.9	0.9	1.0	1.2	1.4
44.0	0.5	0.6	0.7	0.8	1.0	1.2
46.0				0.6	0.8	0.9
48.0					0.6	0.7
50.0						0.5
θ (°)	42 to 82	44 to 82	45 to 82	50 to 82	51 to 82	51 to 82
Standard hook block	5.6 t			5.6 t		
Hook block weight	175 kg			175 kg		
Standard number of parts of line	1			1		

Note: Counterweight 21 t, outrigger extension width 5.0 m

[Capacity N]  
51.2 m boom + hydraulic tilt jib Unit: t

Jib length (m) Load radius (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
12.0	4.4					
14.0	4.4					
16.0	4.4	4.4		2.7		
18.0	4.4	4.4		2.7		
20.0	4.4	4.3	4.1	2.7		
22.0	4.4	4.1	3.9	2.7	2.7	
24.0	4.2	4.0	3.7	2.7	2.7	
26.0	3.6	3.8	3.6	2.7	2.7	2.7
28.0	3.1	3.3	3.5	2.7	2.7	2.6
30.0	2.6	2.8	3.0	2.7	2.6	2.5
32.0	2.1	2.3	2.6	2.4	2.5	2.4
34.0	1.8	2.0	2.1	2.0	2.4	2.3
36.0	1.5	1.6	1.8	1.7	2.0	2.2
38.0	1.2	1.3	1.5	1.4	1.7	2.0
40.0	0.9	1.1	1.2	1.1	1.4	1.7
42.0	0.7	0.8	0.9	0.9	1.2	1.4
44.0		0.6	0.7	0.7	0.9	1.1
46.0				0.5	0.7	0.9
48.0					0.5	0.7
50.0						0.5
θ (°)	49 to 82	48 to 82	50 to 82	53 to 82	54 to 82	59 to 82
Standard hook block	5.6 t			5.6 t		
Hook block weight	175 kg			175 kg		
Standard number of parts of line	1			1		

Note: Counterweight 21 t, outrigger extension width 5.0 m

HLJ

# Hydraulic tilt jib

[Capacity O]  
11.1 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
Load radius (m)	5°	20°	40°	5°	20°	40°
3.0	11.0					
3.5	11.0					
4.0	11.0					
4.5	11.0					
5.0	11.0	11.0		5.6		
6.0	11.0	10.2		5.6		
7.0	11.0	9.4		5.6		
8.0	11.0	8.7	6.9	5.6		
9.0	10.1	8.1	6.6	5.6		
10.0	9.3	7.6	6.3	5.6	5.0	
11.0	8.6	7.2	6.1	5.6	4.7	
12.0	8.0	6.8	5.9	5.4	4.4	
14.0	7.0	6.2	5.5	4.7	4.0	
16.0	6.2	5.7		4.1	3.6	3.1
18.0				3.7	3.3	2.9
20.0				3.3	3.0	2.7
22.0				3.1	2.8	2.6
24.0				2.8	2.7	2.5
26.0				2.6	2.5	
θ (°)	33 to 82	38 to 82	54 to 82	20 to 82	28 to 82	47 to 82
Standard hook block	18 t			5.6 t		
Hook block weight	300 kg			175 kg		
Standard number of parts of line	2			1		

Note: Counterweight 15 t, outrigger extension width 5.0 m

[Capacity O]  
33.2 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
Load radius (m)	5°	20°	40°	5°	20°	40°
8.0	10.1					
9.0	10.1					
10.0	10.1	8.9		4.2		
11.0	9.9	8.6		4.2		
12.0	9.5	8.2		4.2		
14.0	8.6	7.6	6.7	4.2		
16.0	6.8	7.1	6.3	4.2	4.2	
18.0	5.4	5.9	6.0	4.2	4.1	
20.0	4.4	4.8	5.2	4.2	3.9	3.2
22.0	3.6	3.9	4.2	4.2	3.8	3.0
24.0	2.9	3.2	3.5	3.5	3.6	2.9
26.0	2.3	2.6	2.8	2.9	3.3	2.9
28.0	1.9	2.1	2.3	2.4	2.8	2.8
30.0	1.5	1.6	1.8	2.0	2.3	2.7
32.0	1.1	1.3	1.4	1.6	1.9	2.3
34.0	0.8	0.9		1.3	1.6	1.9
36.0	0.6	0.7		1.0	1.3	1.5
38.0				0.8	1.0	1.2
40.0				0.6	0.7	0.9
42.0					0.5	
θ (°)	30 to 82	33 to 82	46 to 82	40 to 82	40 to 82	48 to 82
Standard hook block	18 t			5.6 t		
Hook block weight	300 kg			175 kg		
Standard number of parts of line	2			1		

Note: Counterweight 15 t, outrigger extension width 5.0 m

[Capacity O]  
47.9 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
Load radius (m)	5°	20°	40°	5°	20°	40°
11.0	4.9					
12.0	4.9					
14.0	4.9			2.9		
16.0	4.9	4.9		2.9		
18.0	4.9	4.8	4.5	2.9		
20.0	4.6	4.6	4.3	2.9	2.9	
22.0	3.8	4.1	4.1	2.9	2.9	
24.0	3.1	3.4	3.7	2.9	2.9	
26.0	2.5	2.8	3.1	2.8	2.9	2.8
28.0	2.1	2.3	2.6	2.3	2.8	2.7
30.0	1.7	1.9	2.1	1.9	2.3	2.6
32.0	1.3	1.5	1.7	1.6	1.9	2.3
34.0	1.0	1.2	1.3	1.2	1.6	1.9
36.0	0.7	0.9	1.0	1.0	1.3	1.6
38.0	0.5	0.6	0.7	0.7	1.0	1.3
40.0			0.5	0.5	0.8	1.0
42.0					0.5	0.8
44.0						0.5
θ (°)	51 to 82	53 to 82	52 to 82	57 to 82	58 to 82	59 to 82
Standard hook block	5.6 t			5.6 t		
Hook block weight	175 kg			175 kg		
Standard number of parts of line	1			1		

Note: Counterweight 15 t, outrigger extension width 5.0 m

[Capacity O]  
51.2 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
Load radius (m)	5°	20°	40°	5°	20°	40°
12.0	4.4					
14.0	4.4					
16.0	4.4	4.4		2.7		
18.0	4.4	4.4		2.7		
20.0	4.4	4.3	4.1	2.7		
22.0	3.7	4.1	3.9	2.7	2.7	
24.0	3.1	3.4	3.7	2.7	2.7	
26.0	2.5	2.8	3.1	2.7	2.7	2.7
28.0	2.0	2.3	2.5	2.3	2.7	2.6
30.0	1.6	1.8	2.1	1.9	2.3	2.5
32.0	1.3	1.5	1.7	1.5	1.9	2.3
34.0	0.9	1.1	1.3	1.2	1.5	1.9
36.0	0.7	0.8	1.0	0.9	1.2	1.6
38.0		0.6	0.7	0.7	1.0	1.3
40.0			0.5		0.7	1.0
42.0						0.7
θ (°)	57 to 82	56 to 82	55 to 82	62 to 82	63 to 82	64 to 82
Standard hook block	5.6 t			5.6 t		
Hook block weight	175 kg			175 kg		
Standard number of parts of line	1			1		

Note: Counterweight 15 t, outrigger extension width 5.0 m



[Capacity P]  
11.1 m boom + hydraulic tilt jib Unit: t

Jib length (m) Load radius (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
3.0	11.0					
3.5	11.0					
4.0	11.0					
4.5	11.0					
5.0	11.0	11.0		5.6		
6.0	11.0	10.2		5.6		
7.0	11.0	9.4		5.6		
8.0	11.0	8.7	6.9	5.6		
9.0	10.1	8.1	6.6	5.6		
10.0	9.3	7.6	6.3	5.6	5.0	
11.0	8.6	7.2	6.1	5.6	4.7	
12.0	8.0	6.8	5.9	5.4	4.4	
14.0	7.0	6.2	5.5	4.7	4.0	
16.0	6.0	5.7		4.1	3.6	3.1
18.0				3.7	3.3	2.9
20.0				3.3	3.0	2.7
22.0				3.1	2.8	2.6
24.0				2.8	2.7	2.5
26.0				2.6	2.5	
θ (°)	33 to 82	38 to 82	54 to 82	20 to 82	28 to 82	47 to 82
Standard hook block	18 t			5.6 t		
Hook block weight	300 kg			175 kg		
Standard number of parts of line	2			1		

Note: Counterweight 9 t, outrigger extension width 5.0 m

[Capacity P]  
33.2 m boom + hydraulic tilt jib Unit: t

Jib length (m) Load radius (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
8.0	10.1					
9.0	10.1					
10.0	10.1	8.9		4.2		
11.0	9.9	8.6		4.2		
12.0	8.5	8.2		4.2		
14.0	6.4	7.0	6.7	4.2		
16.0	4.9	5.4	6.0	4.2	4.2	
18.0	3.8	4.2	4.7	4.2	4.1	
20.0	2.9	3.3	3.7	3.5	3.9	3.2
22.0	2.2	2.6	2.9	2.8	3.4	3.0
24.0	1.7	2.0	2.2	2.3	2.8	2.9
26.0	1.2	1.5	1.7	1.8	2.2	2.7
28.0	0.9	1.1	1.3	1.4	1.8	2.2
30.0	0.5	0.7	0.9	1.0	1.4	1.8
32.0			0.5	0.7	1.0	1.4
34.0				0.5	0.8	1.0
36.0					0.5	0.7
38.0						0.5
θ (°)	45 to 82	47 to 82	46 to 82	50 to 82	51 to 82	52 to 82
Standard hook block	18 t			5.6 t		
Hook block weight	300 kg			175 kg		
Standard number of parts of line	2			1		

Note: Counterweight 9 t, outrigger extension width 5.0 m

[Capacity P]  
47.9 m boom + hydraulic tilt jib Unit: t

Jib length (m) Load radius (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
11.0	4.9					
12.0	4.9					
14.0	4.9			2.9		
16.0	4.9	4.9		2.9		
18.0	4.0	4.5	4.5	2.9		
20.0	3.2	3.5	4.0	2.9	2.9	
22.0	2.5	2.8	3.2	2.8	2.9	
24.0	1.9	2.2	2.5	2.2	2.7	
26.0	1.4	1.7	2.0	1.7	2.2	2.8
28.0	1.0	1.3	1.5	1.3	1.8	2.3
30.0	0.7	0.9	1.1	1.0	1.4	1.8
32.0		0.6	0.8		1.0	1.4
34.0					0.8	1.1
36.0						0.8
θ (°)	61 to 82	60 to 82	63 to 82	68 to 82	67 to 82	68 to 82
Standard hook block	5.6 t			5.6 t		
Hook block weight	175 kg			175 kg		
Standard number of parts of line	1			1		

Note: Counterweight 9 t, outrigger extension width 5.0 m

[Capacity P]  
51.2 m boom + hydraulic tilt jib Unit: t

Jib length (m) Load radius (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
12.0	4.4					
14.0	4.4					
16.0	4.4	4.4		2.7		
18.0	4.0	4.4		2.7		
20.0	3.1	3.5	3.9	2.7		
22.0	2.4	2.8	3.1	2.7	2.7	
24.0	1.9	2.2	2.5	2.1	2.7	
26.0	1.4	1.7	2.0	1.7	2.2	2.7
28.0	1.0	1.2	1.5	1.3	1.7	2.2
30.0		0.9	1.1	0.9	1.3	1.8
32.0			0.8		1.0	1.4
34.0						1.1
36.0						0.8
θ (°)	66 to 82	65 to 82	65 to 82	69 to 82	71 to 82	70 to 82
Standard hook block	5.6 t			5.6 t		
Hook block weight	175 kg			175 kg		
Standard number of parts of line	1			1		

Note: Counterweight 9 t, outrigger extension width 5.0 m

# Hydraulic tilt jib

[Capacity Q]  
11.1 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
3.0	11.0					
3.5	11.0					
4.0	11.0					
4.5	11.0					
5.0	11.0	11.0		5.6		
6.0	11.0	10.2		5.6		
7.0	11.0	9.4		5.6		
8.0	11.0	8.7	6.9	5.6		
9.0	10.1	8.1	6.6	5.6		
10.0	9.3	7.6	6.3	5.6	5.0	
11.0	8.6	7.2	6.1	5.6	4.7	
12.0	7.8	6.8	5.9	5.4	4.4	
14.0	6.0	6.2	5.5	4.7	4.0	
16.0	4.7	4.9		4.1	3.6	3.1
18.0				3.7	3.3	2.9
20.0				3.3	3.0	2.7
22.0				3.1	2.8	2.6
24.0				2.6	2.7	2.5
26.0				2.2	2.3	
θ (°)	33 to 82	38 to 82	54 to 82	20 to 82	28 to 82	47 to 82
Standard hook block	18 t			5.6 t		
Hook block weight	300 kg			175 kg		
Standard number of parts of line	2			1		

Note: Counterweight 5 t, outrigger extension width 5.0 m

[Capacity Q]  
33.2 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
8.0	10.1					
9.0	10.1					
10.0	9.4	8.9		4.2		
11.0	7.8	8.6		4.2		
12.0	6.6	7.4		4.2		
14.0	4.8	5.4	6.1	4.2		
16.0	3.5	4.1	4.6	4.2	4.2	
18.0	2.6	3.0	3.5	3.3	4.0	
20.0	1.9	2.3	2.7	2.5	3.2	3.2
22.0	1.3	1.6	2.0	1.9	2.5	3.0
24.0	0.9	1.1	1.4	1.4	1.9	2.5
26.0	0.5	0.7	0.9	1.0	1.5	2.0
28.0			0.5	0.7	1.1	1.5
30.0					0.7	1.1
32.0						0.8
34.0						0.5
θ (°)	52 to 82	55 to 82	54 to 82	59 to 82	60 to 82	59 to 82
Standard hook block	18 t			5.6 t		
Hook block weight	300 kg			175 kg		
Standard number of parts of line	2			1		

Note: Counterweight 5 t, outrigger extension width 5.0 m

[Capacity Q]  
47.9 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
11.0	4.9					
12.0	4.9					
14.0	4.9			2.9		
16.0	3.8	4.3		2.9		
18.0	2.9	3.3	3.8	2.9		
20.0	2.1	2.5	2.9	2.5	2.9	
22.0	1.5	1.9	2.2	1.9	2.5	
24.0	1.1	1.4	1.7	1.4	1.9	
26.0		0.9	1.2	1.0	1.4	2.0
28.0			0.8		1.1	1.6
30.0						1.2
32.0						0.8
θ (°)	68 to 82	67 to 82	68 to 82	71 to 82	73 to 82	73 to 82
Standard hook block	5.6 t			5.6 t		
Hook block weight	175 kg			175 kg		
Standard number of parts of line	1			1		

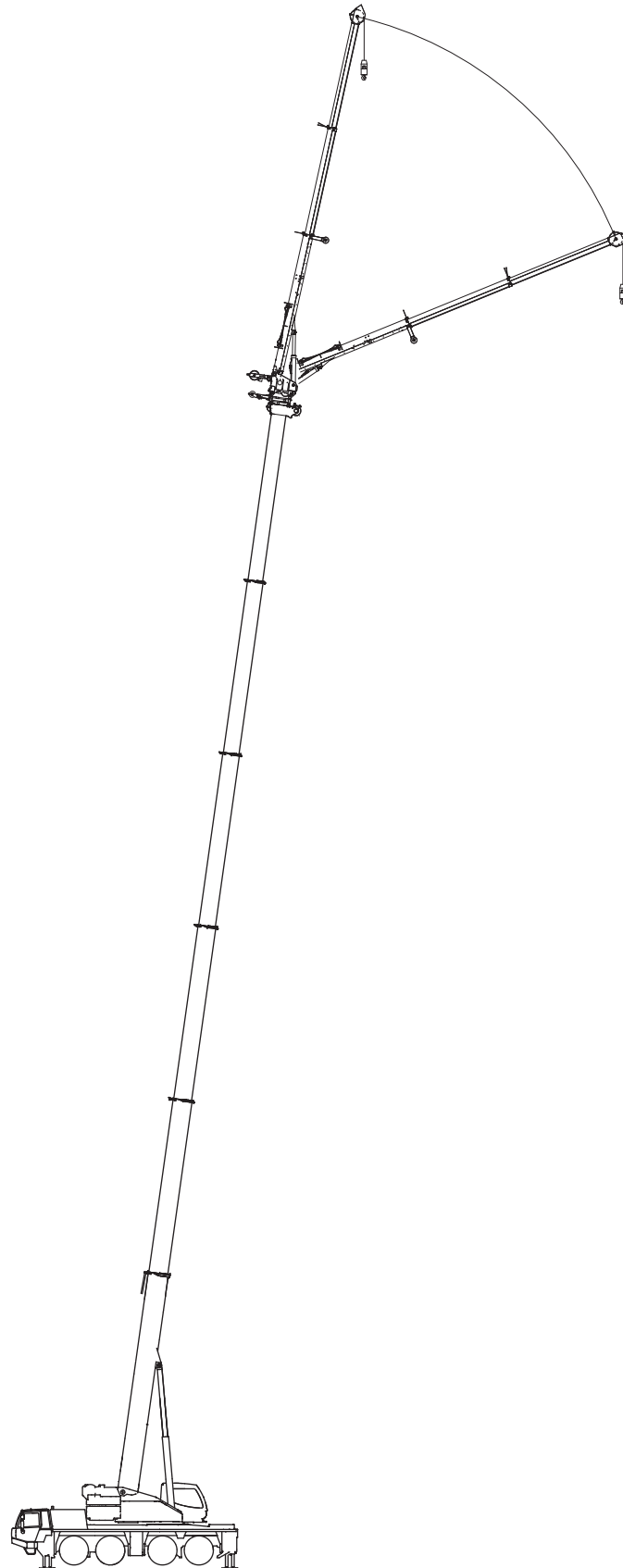
Note: Counterweight 5 t, outrigger extension width 5.0 m

[Capacity Q]  
51.2 m boom + hydraulic tilt jib Unit: t

Jib length (m)	10.0			18.0		
	Offset			Offset		
	5°	20°	40°	5°	20°	40°
12.0	4.4					
14.0	4.4					
16.0	3.8	4.3		2.7		
18.0	2.8	3.3		2.7		
20.0	2.1	2.5	2.9	2.4		
22.0	1.5	1.8	2.2	1.8	2.4	
24.0	1.0	1.3	1.7	1.3	1.9	
26.0			1.2		1.4	2.0
28.0						1.5
30.0						1.1
θ (°)	70 to 82	71 to 82	72 to 82	75 to 82	76 to 82	78 to 82
Standard hook block	5.6 t			5.6 t		
Hook block weight	175 kg			175 kg		
Standard number of parts of line	1			1		

Note: Counterweight 5 t, outrigger extension width 5.0 m

All Terrain Crane  
**ATF100G-4**  
Full automatic luffing jib

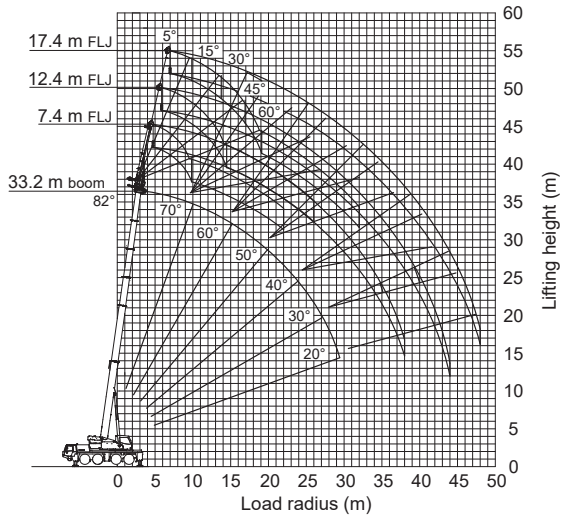


FLJ

# Full automatic luffing jib

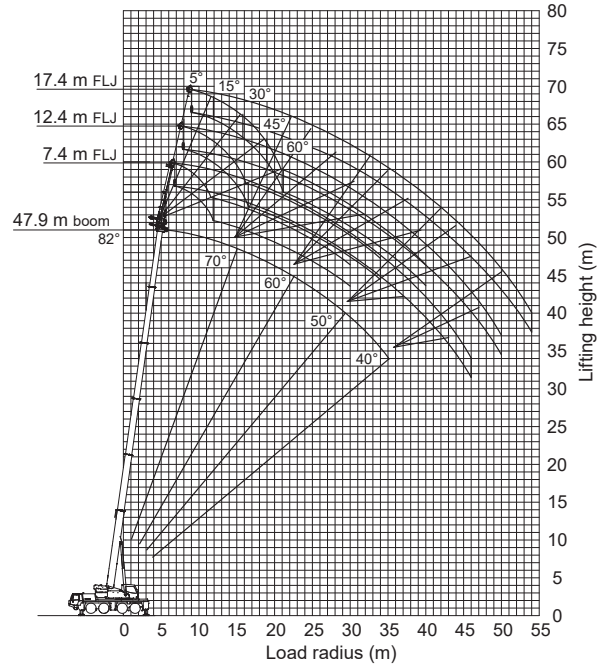
## Working range chart for boom + full automatic luffing jib (FLJ)

33.2 m boom + 1.5 m + full automatic luffing jib



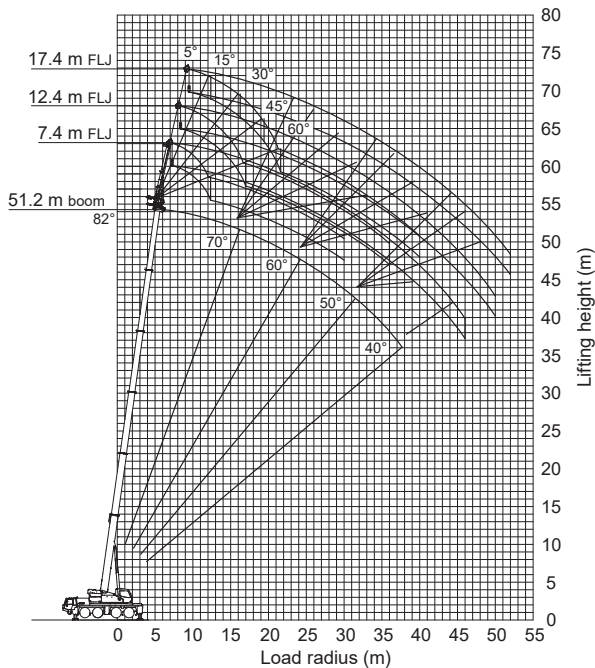
Note: 1. The above drawing does not consider any boom deflection.  
2. The above drawing shows the capacity A.

47.9 m boom + 1.5 m + full automatic luffing jib



Note: 1. The above drawing does not consider any boom deflection.  
2. The above drawing shows the capacity A.

51.2 m boom + 1.5 m + full automatic luffing jib



Note: 1. The above drawing does not consider any boom deflection.  
2. The above drawing shows the capacity A.

## Rated lifting capacity table for boom + full automatic luffing jib (FLJ)

### ■ Precautions on rated lifting capacity table

◆ Capacity classifications A to O of the rated lifting capacity table are as follows in the table below.

Counterweight Outrigger extension width	25 t	21 t	15 t	9 t	5 t
7.2 m	A	B	C	D	E
6.0 m	G	H	I	J	/
5.0 m	M	N	O	/	/

- ◆ The rated lifting capacity indicates the values including the weights of the lifting devices and hook block (5.6 t hook block: 175 kg).
- ◆ The rated lifting capacity is based on the actual load radius considering boom and jib deflection.
- ◆ The extension state (extension ratio %) of each telescopic section at various boom lengths is as follows in the table below.

Boom length	33.2 m	47.9 m	51.2 m
Telescopic section 1	92	92	100
Telescopic section 2	46	92	100
Telescopic section 3	46	92	100
Telescopic section 4	46	92	100
Telescopic section 5	46	92	100

- ◆ The rated lifting capacity assumes that the outriggers are set horizontally on firm and level ground.
- ◆ An effect of the wind is not included in the values in the rated lifting capacity table. Suspend the crane operation if the maximum instantaneous wind velocity is 10 m/s or more.

#### Explanation on lines and terms in rated lifting capacity table

- ◆ Values above the thick line are based on the structural strength factor of the crane, and values below the thick line are based on the stability factor of the crane.
- ◆ "Offset" indicates an angle formed between the boom centerline and jib centerline.
- ◆ "θ (°)" indicates the boom angle range in which no-load operation is enabled.

FLJ

# Full automatic luffing jib

[Capacity A]

33.2 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
7.0	5.6														
8.0	5.6														
9.0	5.6	5.6				4.3									
10.0	5.6	5.6	5.6			4.3									
11.0	5.6	5.6	5.6			4.3	4.3				2.5				
12.0	5.6	5.6	5.6	5.6		4.3	4.3				2.5				
14.0	5.6	5.6	5.6	5.6	4.9	4.3	4.3	3.7			2.5	2.5			
16.0	5.6	5.6	5.6	5.6	4.9	4.3	4.3	3.5	2.9		2.5	2.5			
18.0	5.6	5.6	5.6	5.6	4.8	4.3	4.2	3.3	2.8	2.5	2.5	2.5	2.1		
20.0	5.6	5.6	5.6	5.6	4.8	4.3	4.0	3.2	2.7	2.5	2.5	2.5	2.0		
22.0	5.6	5.6	5.6	5.6	4.8	4.3	3.8	3.1	2.7	2.5	2.5	2.4	2.0	1.7	
24.0	5.6	5.6	5.6	5.6		4.2	3.6	3.0	2.6	2.5	2.5	2.3	1.9	1.6	1.5
26.0	5.6	5.6	5.5	5.4		3.9	3.4	2.9	2.6	2.5	2.5	2.2	1.8	1.6	1.4
28.0	4.8	4.9	5.1	5.1		3.7	3.2	2.8	2.6		2.4	2.1	1.8	1.5	1.4
30.0	4.1	4.2	4.3			3.5	3.1	2.7	2.5		2.3	2.0	1.7	1.5	1.4
32.0	3.5	3.5	3.6			3.3	3.0	2.7	2.5		2.1	1.9	1.7	1.5	1.4
34.0	2.9	3.0	3.0			3.2	2.9	2.6	2.5		2.0	1.8	1.6	1.5	
36.0	2.5	2.5				3.0	2.8	2.6			1.9	1.8	1.6	1.5	
38.0	2.0	2.1				2.6	2.7	2.6			1.9	1.7	1.5	1.5	
40.0						2.2	2.3	2.3			1.8	1.6	1.5		
42.0						1.9	1.9				1.7	1.6	1.5		
44.0						1.5	1.5				1.6	1.6	1.5		
46.0											1.6	1.5			
48.0											1.4	1.5			
θ (°)	21 to 82	23 to 82	37 to 82	52 to 82	63 to 82	17 to 82	16 to 82	34 to 82	49 to 82	66 to 82	21 to 82	23 to 82	37 to 82	53 to 82	65 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 25 t, outrigger extension width 7.2 m

[Capacity A]

47.9 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
11.0	4.3														
12.0	4.3														
14.0	4.3	4.3				3.0									
16.0	4.3	4.3	4.3	4.3		3.0	3.0				2.0				
18.0	4.3	4.3	4.3	4.3	4.3	3.0	3.0	3.0			2.0	2.0			
20.0	4.3	4.3	4.2	4.1	4.1	3.0	3.0	3.0			2.0	2.0			
22.0	4.2	4.1	4.0	3.9	3.9	3.0	3.0	3.0	2.8	2.5	2.0	2.0			
24.0	3.9	3.9	3.8	3.7	3.7	3.0	3.0	3.0	2.8	2.5	2.0	2.0	2.0		
26.0	3.7	3.6	3.6	3.5	3.5	3.0	3.0	3.0	2.7	2.5	2.0	2.0	1.9	1.7	
28.0	3.4	3.4	3.4	3.4	3.4	3.0	3.0	2.8	2.7	2.5	2.0	2.0	1.9	1.6	1.5
30.0	3.2	3.2	3.2	3.2	3.2	3.0	2.8	2.7	2.6	2.5	2.0	2.0	1.8	1.6	1.4
32.0	3.0	3.0	3.0	3.0		2.8	2.7	2.6	2.6	2.5	2.0	2.0	1.7	1.6	1.4
34.0	2.7	2.7	2.8	2.8		2.7	2.6	2.5	2.5	2.5	2.0	1.9	1.7	1.5	1.4
36.0	2.4	2.4	2.5	2.5		2.5	2.5	2.4	2.4		2.0	1.9	1.7	1.5	1.4
38.0	2.1	2.2	2.2	2.2		2.3	2.3	2.3	2.3		2.0	1.8	1.6	1.5	1.4
40.0	1.7	1.8	1.9	1.9		2.1	2.1	2.2	2.2		2.0	1.8	1.6	1.5	1.4
42.0	1.3	1.4	1.5			1.8	1.9	2.0	2.0		1.9	1.7	1.5	1.5	
44.0	1.0	1.0	1.1			1.5	1.6	1.7	1.7		1.8	1.7	1.5	1.4	
46.0	0.6	0.7	0.7			1.1	1.3	1.4			1.5	1.6	1.5	1.4	
48.0						0.8	0.9	1.1			1.3	1.4	1.5	1.4	
50.0						0.6	0.7	0.7			1.0	1.1	1.3	1.4	
52.0											0.7	0.9	1.0		
54.0											0.5	0.6	0.7		
θ (°)	37 to 82	38 to 82	38 to 82	49 to 82	64 to 82	39 to 82	41 to 82	42 to 82	52 to 82	67 to 82	41 to 82	42 to 82	43 to 82	51 to 82	65 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 25 t, outrigger extension width 7.2 m

[Capacity A]  
51.2 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
12.0	3.9														
14.0	3.9	3.9				2.8									
16.0	3.9	3.9	3.9			2.8					1.9				
18.0	3.9	3.9	3.9	3.9	3.9	2.8	2.8				1.9				
20.0	3.9	3.9	3.9	3.8	3.8	2.8	2.8	2.8			1.9	1.9			
22.0	3.8	3.8	3.7	3.6	3.6	2.8	2.8	2.8	2.8		1.9	1.9			
24.0	3.6	3.5	3.5	3.4	3.4	2.8	2.8	2.8	2.8	2.5	1.9	1.9	1.9		
26.0	3.3	3.3	3.3	3.3	3.3	2.8	2.8	2.8	2.7	2.5	1.9	1.9	1.9		
28.0	3.1	3.1	3.1	3.1	3.1	2.8	2.8	2.6	2.6	2.5	1.9	1.9	1.8	1.6	
30.0	2.9	2.9	2.9	2.9	2.9	2.7	2.6	2.5	2.5	2.5	1.9	1.9	1.8	1.6	1.4
32.0	2.7	2.7	2.7	2.7		2.6	2.5	2.4	2.4	2.4	1.9	1.9	1.7	1.6	1.4
34.0	2.4	2.4	2.5	2.5		2.4	2.4	2.3	2.3	2.3	1.9	1.9	1.7	1.5	1.4
36.0	2.1	2.2	2.2	2.2		2.3	2.3	2.2	2.2	2.2	1.9	1.9	1.6	1.5	1.4
38.0	1.9	1.9	2.0	2.0		2.1	2.1	2.1	2.1		1.9	1.8	1.6	1.5	1.4
40.0	1.6	1.7	1.7	1.7		1.8	1.9	2.0	2.0		1.9	1.8	1.6	1.5	1.4
42.0	1.2	1.3	1.4	1.5		1.6	1.7	1.8	1.8		1.8	1.7	1.5	1.5	
44.0	0.9	1.0	1.1			1.4	1.5	1.5	1.6		1.6	1.7	1.5	1.4	
46.0	0.6	0.6	0.7			1.1	1.2	1.3	1.3		1.4	1.5	1.5	1.4	
48.0						0.8	0.9	1.0			1.2	1.3	1.4	1.4	
50.0						0.5	0.6	0.7			0.9	1.1	1.2	1.2	
52.0											0.6	0.8	1.0	1.0	
54.0												0.5	0.7		
$\theta$ (°)	42 to 82	43 to 82	44 to 82	50 to 82	66 to 82	43 to 82	45 to 82	47 to 82	53 to 82	67 to 82	48 to 82	47 to 82	48 to 82	53 to 82	69 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 25 t, outrigger extension width 7.2 m

FLJ

# Full automatic luffing jib

[Capacity B]

33.2 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
7.0	5.6														
8.0	5.6														
9.0	5.6	5.6				4.3									
10.0	5.6	5.6	5.6			4.3									
11.0	5.6	5.6	5.6			4.3	4.3				2.5				
12.0	5.6	5.6	5.6	5.6		4.3	4.3				2.5				
14.0	5.6	5.6	5.6	5.6	4.9	4.3	4.3	3.7			2.5	2.5			
16.0	5.6	5.6	5.6	5.6	4.9	4.3	4.3	3.5	2.9		2.5	2.5			
18.0	5.6	5.6	5.6	5.6	4.8	4.3	4.2	3.3	2.8	2.5	2.5	2.5	2.1		
20.0	5.6	5.6	5.6	5.6	4.8	4.3	4.0	3.2	2.7	2.5	2.5	2.5	2.0		
22.0	5.6	5.6	5.6	5.6	4.8	4.3	3.8	3.1	2.7	2.5	2.5	2.4	2.0	1.7	
24.0	5.6	5.6	5.6	5.6		4.2	3.6	3.0	2.6	2.5	2.5	2.3	1.9	1.6	1.5
26.0	4.8	4.9	5.1	5.2		3.9	3.4	2.9	2.6	2.5	2.5	2.2	1.8	1.6	1.4
28.0	4.0	4.1	4.3	4.3		3.7	3.2	2.8	2.6		2.4	2.1	1.8	1.5	1.4
30.0	3.3	3.4	3.6			3.5	3.1	2.7	2.5		2.3	2.0	1.7	1.5	1.4
32.0	2.8	2.9	2.9			3.3	3.0	2.7	2.5		2.1	1.9	1.7	1.5	1.4
34.0	2.3	2.3	2.4			2.8	2.9	2.6	2.5		2.0	1.8	1.6	1.5	
36.0	1.8	1.9				2.4	2.5	2.6			1.9	1.8	1.6	1.5	
38.0	1.5	1.5				2.0	2.1	2.2			1.9	1.7	1.5	1.5	
40.0						1.7	1.7	1.8			1.8	1.6	1.5		
42.0						1.3	1.4				1.7	1.6	1.5		
44.0						1.0	1.0				1.5	1.6	1.5		
46.0											1.2	1.3			
48.0											1.0	1.0			
θ (°)	21 to 82	23 to 82	37 to 82	52 to 82	63 to 82	17 to 82	15 to 82	34 to 82	49 to 82	66 to 82	21 to 82	23 to 82	37 to 82	53 to 82	65 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 21 t, outrigger extension width 7.2 m

[Capacity B]

47.9 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
11.0	4.3														
12.0	4.3														
14.0	4.3	4.3				3.0									
16.0	4.3	4.3	4.3	4.3		3.0	3.0				2.0				
18.0	4.3	4.3	4.3	4.3	4.3	3.0	3.0				2.0	2.0			
20.0	4.3	4.3	4.2	4.1	4.1	3.0	3.0	3.0			2.0	2.0			
22.0	4.2	4.1	4.0	3.9	3.9	3.0	3.0	3.0	2.8	2.5	2.0	2.0			
24.0	3.9	3.9	3.8	3.7	3.7	3.0	3.0	3.0	2.8	2.5	2.0	2.0	2.0		
26.0	3.7	3.6	3.6	3.5	3.5	3.0	3.0	3.0	2.7	2.5	2.0	2.0	1.9	1.7	
28.0	3.4	3.4	3.4	3.4	3.4	3.0	3.0	2.8	2.7	2.5	2.0	2.0	1.9	1.6	1.5
30.0	3.2	3.2	3.2	3.2	3.2	3.0	2.8	2.7	2.6	2.5	2.0	2.0	1.8	1.6	1.4
32.0	2.9	3.0	3.0	3.0		2.8	2.7	2.6	2.6	2.5	2.0	2.0	1.7	1.6	1.4
34.0	2.4	2.5	2.6	2.7		2.7	2.6	2.5	2.5	2.5	2.0	1.9	1.7	1.5	1.4
36.0	1.9	2.0	2.1	2.2		2.4	2.5	2.4	2.4		2.0	1.9	1.7	1.5	1.4
38.0	1.5	1.6	1.7	1.8		2.0	2.1	2.3	2.3		2.0	1.8	1.6	1.5	1.4
40.0	1.1	1.2	1.3	1.4		1.6	1.7	1.9	2.0		2.0	1.8	1.6	1.5	1.4
42.0	0.8	0.9	0.9			1.3	1.4	1.6	1.6		1.6	1.7	1.5	1.5	
44.0	0.5	0.5	0.6			1.0	1.1	1.2	1.3		1.4	1.5	1.5	1.4	
46.0						0.7	0.8	0.9			1.1	1.3	1.4	1.4	
48.0							0.5	0.6			0.8	1.0	1.2	1.2	
50.0											0.5	0.7	0.9	0.9	
52.0														0.6	
θ (°)	40 to 82	41 to 82	42 to 82	45 to 82	60 to 82	45 to 82	44 to 82	45 to 82	52 to 82	67 to 82	47 to 82	48 to 82	47 to 82	45 to 82	60 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 21 t, outrigger extension width 7.2 m

[Capacity B]  
51.2 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
12.0	3.9														
14.0	3.9	3.9				2.8									
16.0	3.9	3.9	3.9			2.8					1.9				
18.0	3.9	3.9	3.9	3.9	3.9	2.8	2.8				1.9				
20.0	3.9	3.9	3.9	3.8	3.8	2.8	2.8	2.8			1.9	1.9			
22.0	3.8	3.8	3.7	3.6	3.6	2.8	2.8	2.8	2.8		1.9	1.9			
24.0	3.6	3.5	3.5	3.4	3.4	2.8	2.8	2.8	2.8	2.5	1.9	1.9	1.9		
26.0	3.3	3.3	3.3	3.3	3.3	2.8	2.8	2.8	2.7	2.5	1.9	1.9	1.9		
28.0	3.1	3.1	3.1	3.1	3.1	2.8	2.8	2.6	2.6	2.5	1.9	1.9	1.8	1.6	
30.0	2.9	2.9	2.9	2.9	2.9	2.7	2.6	2.5	2.5	2.5	1.9	1.9	1.8	1.6	1.4
32.0	2.7	2.7	2.7	2.7		2.6	2.5	2.4	2.4	2.4	1.9	1.9	1.7	1.6	1.4
34.0	2.3	2.4	2.5	2.5		2.4	2.4	2.3	2.3	2.3	1.9	1.9	1.7	1.5	1.4
36.0	1.9	2.0	2.1	2.2		2.3	2.3	2.2	2.2	2.2	1.9	1.9	1.6	1.5	1.4
38.0	1.5	1.6	1.7	1.7		1.9	2.1	2.1	2.1		1.9	1.8	1.6	1.5	1.4
40.0	1.1	1.2	1.3	1.4		1.5	1.7	1.9	2.0		1.9	1.8	1.6	1.5	1.4
42.0	0.7	0.8	0.9	0.9		1.2	1.4	1.5	1.6		1.6	1.7	1.5	1.5	
44.0		0.5	0.6			0.9	1.0	1.2	1.3		1.3	1.5	1.5	1.4	
46.0						0.6	0.7	0.9	0.9		1.0	1.2	1.4	1.4	
48.0								0.6			0.7	0.9	1.1	1.2	
50.0											0.5	0.6	0.8	0.9	
52.0													0.5	0.6	
θ (°)	48 to 82	46 to 82	47 to 82	50 to 82	66 to 82	49 to 82	51 to 82	49 to 82	53 to 82	67 to 82	51 to 82	52 to 82	51 to 82	53 to 82	69 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 21 t, outrigger extension width 7.2 m

# Full automatic luffing jib

[Capacity C]

33.2 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
7.0	5.6														
8.0	5.6														
9.0	5.6	5.6				4.3									
10.0	5.6	5.6	5.6			4.3									
11.0	5.6	5.6	5.6			4.3	4.3				2.5				
12.0	5.6	5.6	5.6	5.6		4.3	4.3				2.5				
14.0	5.6	5.6	5.6	5.6	4.9	4.3	4.3	3.7			2.5	2.5			
16.0	5.6	5.6	5.6	5.6	4.9	4.3	4.3	3.5	2.9		2.5	2.5			
18.0	5.6	5.6	5.6	5.6	4.8	4.3	4.2	3.3	2.8	2.5	2.5	2.5	2.1		
20.0	5.6	5.6	5.6	5.6	4.8	4.3	4.0	3.2	2.7	2.5	2.5	2.5	2.0		
22.0	5.2	5.4	5.6	5.6	4.8	4.3	3.8	3.1	2.7	2.5	2.5	2.4	2.0	1.7	
24.0	4.2	4.4	4.6	4.7		4.2	3.6	3.0	2.6	2.5	2.5	2.3	1.9	1.6	1.5
26.0	3.4	3.6	3.7	3.8		3.9	3.4	2.9	2.6	2.5	2.5	2.2	1.8	1.6	1.4
28.0	2.7	2.9	3.0	3.1		3.3	3.2	2.8	2.6		2.4	2.1	1.8	1.5	1.4
30.0	2.2	2.3	2.4			2.8	2.9	2.7	2.5		2.3	2.0	1.7	1.5	1.4
32.0	1.7	1.8	1.8			2.3	2.4	2.6	2.5		2.1	1.9	1.7	1.5	1.4
34.0	1.3	1.3	1.4			1.8	2.0	2.1	2.2		2.0	1.8	1.6	1.5	
36.0	0.9	0.9				1.4	1.6	1.7			1.9	1.8	1.6	1.5	
38.0	0.5	0.6				1.1	1.2	1.3			1.5	1.7	1.5	1.5	
40.0						0.8	0.9	0.9			1.2	1.4	1.5		
42.0						0.5	0.6				1.0	1.1	1.2		
44.0											0.7	0.8	0.9		
46.0											0.5	0.6			
θ (°)	21 to 82	23 to 82	37 to 82	52 to 82	63 to 82	25 to 82	26 to 82	34 to 82	49 to 82	66 to 82	28 to 82	30 to 82	37 to 82	53 to 82	65 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 15 t, outrigger extension width 7.2 m

[Capacity C]

47.9 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
11.0	4.3														
12.0	4.3														
14.0	4.3	4.3				3.0									
16.0	4.3	4.3	4.3	4.3		3.0	3.0				2.0				
18.0	4.3	4.3	4.3	4.3	4.3	3.0	3.0				2.0	2.0			
20.0	4.3	4.3	4.2	4.1	4.1	3.0	3.0	3.0			2.0	2.0			
22.0	4.2	4.1	4.0	3.9	3.9	3.0	3.0	3.0	2.8	2.5	2.0	2.0			
24.0	3.9	3.9	3.8	3.7	3.7	3.0	3.0	3.0	2.8	2.5	2.0	2.0	2.0		
26.0	3.5	3.6	3.6	3.5	3.5	3.0	3.0	3.0	2.7	2.5	2.0	2.0	1.9	1.7	
28.0	2.8	3.0	3.2	3.3	3.4	3.0	3.0	2.8	2.7	2.5	2.0	2.0	1.9	1.6	1.5
30.0	2.3	2.4	2.6	2.7	2.7	2.7	2.8	2.7	2.6	2.5	2.0	2.0	1.8	1.6	1.4
32.0	1.8	1.9	2.0	2.1		2.2	2.4	2.6	2.6	2.5	2.0	2.0	1.7	1.6	1.4
34.0	1.3	1.5	1.6	1.7		1.8	2.0	2.2	2.4	2.4	2.0	1.9	1.7	1.5	1.4
36.0	1.0	1.1	1.2	1.2		1.4	1.6	1.8	1.9		1.8	1.9	1.7	1.5	1.4
38.0	0.6	0.7	0.8	0.9		1.1	1.2	1.4	1.5		1.4	1.6	1.6	1.5	1.4
40.0			0.5	0.5		0.8	0.9	1.1	1.2		1.1	1.3	1.6	1.5	1.4
42.0						0.5	0.6	0.8	0.8		0.8	1.0	1.2	1.4	
44.0								0.5	0.5		0.6	0.8	1.0	1.1	
46.0												0.5	0.7	0.8	
48.0													0.5	0.5	
θ (°)	50 to 82	51 to 82	49 to 82	45 to 82	60 to 82	51 to 82	53 to 82	52 to 82	52 to 82	67 to 82	55 to 82	53 to 82	52 to 82	54 to 82	60 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 15 t, outrigger extension width 7.2 m

[Capacity C]  
51.2 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
12.0	3.9														
14.0	3.9	3.9				2.8									
16.0	3.9	3.9	3.9			2.8					1.9				
18.0	3.9	3.9	3.9	3.9	3.9	2.8	2.8				1.9				
20.0	3.9	3.9	3.9	3.8	3.8	2.8	2.8	2.8			1.9	1.9			
22.0	3.8	3.8	3.7	3.6	3.6	2.8	2.8	2.8	2.8		1.9	1.9			
24.0	3.6	3.5	3.5	3.4	3.4	2.8	2.8	2.8	2.8	2.5	1.9	1.9	1.9		
26.0	3.3	3.3	3.3	3.3	3.3	2.8	2.8	2.8	2.7	2.5	1.9	1.9	1.9		
28.0	2.8	2.9	3.1	3.1	3.1	2.8	2.8	2.6	2.6	2.5	1.9	1.9	1.8	1.6	
30.0	2.2	2.4	2.5	2.6	2.7	2.6	2.6	2.5	2.5	2.5	1.9	1.9	1.8	1.6	1.4
32.0	1.7	1.9	2.0	2.1		2.1	2.4	2.4	2.4	2.4	1.9	1.9	1.7	1.6	1.4
34.0	1.3	1.4	1.6	1.6		1.7	1.9	2.2	2.3	2.3	1.9	1.9	1.7	1.5	1.4
36.0	0.9	1.0	1.1	1.2		1.3	1.5	1.7	1.9	1.9	1.7	1.9	1.6	1.5	1.4
38.0	0.6	0.7	0.8	0.8		1.0	1.2	1.4	1.5		1.3	1.6	1.6	1.5	1.4
40.0						0.7	0.8	1.0	1.1		1.0	1.2	1.5	1.5	1.4
42.0								0.7	0.8		0.8	1.0	1.2	1.4	
44.0												0.7	0.9	1.0	
46.0													0.7	0.8	
θ (°)	53 to 82	54 to 82	55 to 82	56 to 82	66 to 82	56 to 82	58 to 82	57 to 82	58 to 82	67 to 82	60 to 82	59 to 82	58 to 82	60 to 82	69 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 15 t, outrigger extension width 7.2 m

FLJ

# Full automatic luffing jib

[Capacity D]

33.2 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
7.0	5.6														
8.0	5.6														
9.0	5.6	5.6				4.3									
10.0	5.6	5.6	5.6			4.3									
11.0	5.6	5.6	5.6			4.3	4.3				2.5				
12.0	5.6	5.6	5.6	5.6		4.3	4.3				2.5				
14.0	5.6	5.6	5.6	5.6	4.9	4.3	4.3	3.7			2.5	2.5			
16.0	5.6	5.6	5.6	5.6	4.9	4.3	4.3	3.5	2.9		2.5	2.5			
18.0	5.6	5.6	5.6	5.6	4.8	4.3	4.2	3.3	2.8	2.5	2.5	2.5	2.1		
20.0	4.6	4.8	5.1	5.3	4.8	4.3	4.0	3.2	2.7	2.5	2.5	2.5	2.0		
22.0	3.5	3.7	4.0	4.2	4.2	4.2	3.8	3.1	2.7	2.5	2.5	2.4	2.0	1.7	
24.0	2.7	2.9	3.1	3.2		3.3	3.6	3.0	2.6	2.5	2.5	2.3	1.9	1.6	1.5
26.0	2.1	2.2	2.4	2.5		2.7	2.9	2.9	2.6	2.5	2.5	2.2	1.8	1.6	1.4
28.0	1.5	1.6	1.8	1.8		2.1	2.3	2.6	2.6		2.4	2.1	1.8	1.5	1.4
30.0	1.0	1.1	1.2			1.6	1.8	2.0	2.2		2.1	2.0	1.7	1.5	1.4
32.0	0.6	0.7	0.8			1.2	1.3	1.5	1.7		1.6	1.9	1.7	1.5	1.4
34.0						0.8	1.0	1.1	1.2		1.3	1.5	1.6	1.5	
36.0						0.5	0.6	0.7			0.9	1.1	1.4	1.5	
38.0											0.7	0.8	1.0	1.1	
40.0												0.5	0.7		
θ (°)	40 to 82	41 to 82	43 to 82	52 to 82	63 to 82	40 to 82	42 to 82	44 to 82	49 to 82	66 to 82	45 to 82	44 to 82	47 to 82	53 to 82	65 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 9 t, outrigger extension width 7.2 m

[Capacity D]

47.9 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
11.0	4.3														
12.0	4.3														
14.0	4.3	4.3				3.0									
16.0	4.3	4.3	4.3	4.3		3.0	3.0				2.0				
18.0	4.3	4.3	4.3	4.3	4.3	3.0	3.0				2.0	2.0			
20.0	4.3	4.3	4.2	4.1	4.1	3.0	3.0	3.0			2.0	2.0			
22.0	3.6	3.9	4.0	3.9	3.9	3.0	3.0	3.0	2.8	2.5	2.0	2.0			
24.0	2.8	3.0	3.3	3.4	3.5	3.0	3.0	3.0	2.8	2.5	2.0	2.0	2.0		
26.0	2.2	2.3	2.5	2.7	2.8	2.6	2.9	3.0	2.7	2.5	2.0	2.0	1.9	1.7	
28.0	1.6	1.7	1.9	2.1	2.1	2.0	2.3	2.6	2.7	2.5	2.0	2.0	1.9	1.6	1.5
30.0	1.1	1.3	1.4	1.5	1.6	1.6	1.8	2.1	2.3	2.4	1.9	2.0	1.8	1.6	1.4
32.0		0.8	1.0	1.1		1.1	1.3	1.6	1.8	1.9	1.5	1.8	1.7	1.6	1.4
34.0						0.8	1.0	1.2	1.4	1.4	1.1	1.4	1.7	1.5	1.4
36.0								0.8	1.0		0.8	1.1	1.4	1.5	1.4
38.0												0.7	1.0	1.2	1.3
40.0													0.7	0.9	1.0
θ (°)	60 to 82	59 to 82	60 to 82	61 to 82	60 to 82	61 to 82	62 to 82	62 to 82	63 to 82	67 to 82	63 to 82	63 to 82	62 to 82	64 to 82	60 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 9 t, outrigger extension width 7.2 m

[Capacity D]  
51.2 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
12.0	3.9														
14.0	3.9	3.9				2.8									
16.0	3.9	3.9	3.9			2.8					1.9				
18.0	3.9	3.9	3.9	3.9	3.9	2.8	2.8				1.9				
20.0	3.9	3.9	3.9	3.8	3.8	2.8	2.8	2.8			1.9	1.9			
22.0	3.6	3.8	3.7	3.6	3.6	2.8	2.8	2.8	2.8		1.9	1.9			
24.0	2.8	3.0	3.2	3.4	3.4	2.8	2.8	2.8	2.8	2.5	1.9	1.9	1.9		
26.0	2.1	2.3	2.5	2.7	2.7	2.6	2.8	2.8	2.7	2.5	1.9	1.9	1.9		
28.0	1.5	1.7	1.9	2.0	2.1	2.0	2.2	2.6	2.6	2.5	1.9	1.9	1.8	1.6	
30.0	1.1	1.2	1.4	1.5	1.5	1.5	1.7	2.0	2.3	2.4	1.9	1.9	1.8	1.6	1.4
32.0			0.9	1.0		1.1	1.3	1.6	1.8	1.8	1.4	1.7	1.7	1.6	1.4
34.0							0.9	1.2	1.3	1.4	1.1	1.3	1.7	1.5	1.4
36.0									0.9	1.0		1.0	1.3	1.5	1.4
38.0													1.0	1.2	1.3
40.0														0.9	0.9
θ (°)	62 to 82	64 to 82	63 to 82	63 to 82	66 to 82	65 to 82	65 to 82	66 to 82	65 to 82	67 to 82	67 to 82	67 to 82	67 to 82	67 to 82	69 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 9 t, outrigger extension width 7.2 m

# Full automatic luffing jib

[Capacity E]

33.2 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
7.0	5.6														
8.0	5.6														
9.0	5.6	5.6				4.3									
10.0	5.6	5.6	5.6			4.3									
11.0	5.6	5.6	5.6			4.3	4.3				2.5				
12.0	5.6	5.6	5.6	5.6		4.3	4.3				2.5				
14.0	5.6	5.6	5.6	5.6	4.9	4.3	4.3	3.7			2.5	2.5			
16.0	5.6	5.6	5.6	5.6	4.9	4.3	4.3	3.5	2.9		2.5	2.5			
18.0	4.4	4.7	5.0	5.3	4.8	4.3	4.2	3.3	2.8	2.5	2.5	2.5	2.1		
20.0	3.3	3.5	3.8	4.0	4.1	3.9	4.0	3.2	2.7	2.5	2.5	2.5	2.0		
22.0	2.4	2.6	2.9	3.0	3.1	3.0	3.4	3.1	2.7	2.5	2.5	2.4	2.0	1.7	
24.0	1.7	1.9	2.1	2.2		2.3	2.6	3.0	2.6	2.5	2.5	2.3	1.9	1.6	1.5
26.0	1.1	1.3	1.4	1.5		1.7	2.0	2.3	2.5	2.5	2.2	2.2	1.8	1.6	1.4
28.0	0.6	0.8	0.9	1.0		1.2	1.4	1.7	1.9		1.7	2.0	1.8	1.5	1.4
30.0						0.8	1.0	1.2	1.4		1.3	1.5	1.7	1.5	1.4
32.0							0.6	0.8	0.9		0.9	1.1	1.5	1.5	1.4
34.0									0.5		0.6	0.8	1.1	1.3	
36.0												0.5	0.7	0.9	
38.0														0.5	
θ (°)	48 to 82	50 to 82	51 to 82	52 to 82	63 to 82	51 to 82	50 to 82	52 to 82	49 to 82	66 to 82	51 to 82	51 to 82	54 to 82	53 to 82	65 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 5 t, outrigger extension width 7.2 m

[Capacity E]

47.9 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
11.0	4.3														
12.0	4.3														
14.0	4.3	4.3				3.0									
16.0	4.3	4.3	4.3	4.3		3.0	3.0				2.0				
18.0	4.3	4.3	4.3	4.3	4.3	3.0	3.0				2.0	2.0			
20.0	3.4	3.6	4.0	4.1	4.1	3.0	3.0	3.0			2.0	2.0			
22.0	2.5	2.7	3.0	3.2	3.3	3.0	3.0	3.0	2.8	2.5	2.0	2.0			
24.0	1.8	2.0	2.2	2.4	2.5	2.3	2.6	3.0	2.8	2.5	2.0	2.0	2.0		
26.0	1.2	1.4	1.6	1.8	1.8	1.7	2.0	2.3	2.6	2.5	2.0	2.0	1.9	1.7	
28.0			1.1	1.2	1.2	1.2	1.4	1.8	2.0	2.1	1.6	1.9	1.9	1.6	1.5
30.0							1.0	1.3	1.5	1.6	1.1	1.5	1.8	1.6	1.4
32.0									1.1	1.1		1.1	1.4	1.6	1.4
34.0													1.1	1.3	1.4
36.0														0.9	1.1
θ (°)	65 to 82	66 to 82	65 to 82	66 to 82	66 to 82	67 to 82	67 to 82	69 to 82	68 to 82	70 to 82	69 to 82	69 to 82	69 to 82	69 to 82	70 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 5 t, outrigger extension width 7.2 m

[Capacity E]  
51.2 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
12.0	3.9														
14.0	3.9	3.9				2.8									
16.0	3.9	3.9	3.9			2.8					1.9				
18.0	3.9	3.9	3.9	3.9	3.9	2.8	2.8				1.9				
20.0	3.3	3.6	3.9	3.8	3.8	2.8	2.8	2.8			1.9	1.9			
22.0	2.4	2.7	3.0	3.2	3.3	2.8	2.8	2.8	2.8		1.9	1.9			
24.0	1.7	1.9	2.2	2.4	2.5	2.2	2.5	2.8	2.8	2.5	1.9	1.9	1.9		
26.0		1.3	1.6	1.7	1.8	1.6	1.9	2.3	2.6	2.5	1.9	1.9	1.9		
28.0					1.2		1.4	1.7	2.0	2.1	1.5	1.8	1.8	1.6	
30.0								1.2	1.5	1.6		1.4	1.8	1.6	1.4
32.0										1.1			1.4	1.6	1.4
34.0														1.3	1.4
36.0															1.0
$\theta$ (°)	69 to 82	68 to 82	70 to 82	70 to 82	68 to 82	71 to 82	71 to 82	71 to 82	72 to 82	71 to 82	73 to 82	73 to 82	73 to 82	74 to 82	74 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 5 t, outrigger extension width 7.2 m

# Full automatic luffing jib

[Capacity G]

33.2 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
7.0	5.6														
8.0	5.6														
9.0	5.6	5.6				4.3									
10.0	5.6	5.6	5.6			4.3									
11.0	5.6	5.6	5.6			4.3	4.3				2.5				
12.0	5.6	5.6	5.6	5.6		4.3	4.3				2.5				
14.0	5.6	5.6	5.6	5.6	4.9	4.3	4.3	3.7			2.5	2.5			
16.0	5.6	5.6	5.6	5.6	4.9	4.3	4.3	3.5	2.9		2.5	2.5			
18.0	5.6	5.6	5.6	5.6	4.8	4.3	4.2	3.3	2.8	2.5	2.5	2.5	2.1		
20.0	5.6	5.6	5.6	5.6	4.8	4.3	4.0	3.2	2.7	2.5	2.5	2.5	2.0		
22.0	5.6	5.6	5.6	5.6	4.8	4.3	3.8	3.1	2.7	2.5	2.5	2.4	2.0	1.7	
24.0	5.3	5.4	5.6	5.6		4.2	3.6	3.0	2.6	2.5	2.5	2.3	1.9	1.6	1.5
26.0	4.4	4.5	4.7	4.8		3.9	3.4	2.9	2.6	2.5	2.5	2.2	1.8	1.6	1.4
28.0	3.6	3.8	3.9	4.0		3.7	3.2	2.8	2.6		2.4	2.1	1.8	1.5	1.4
30.0	3.0	3.1	3.2			3.5	3.1	2.7	2.5		2.3	2.0	1.7	1.5	1.4
32.0	2.5	2.5	2.6			3.0	3.0	2.7	2.5		2.1	1.9	1.7	1.5	1.4
34.0	2.0	2.1	2.1			2.5	2.7	2.6	2.5		2.0	1.8	1.6	1.5	
36.0	1.6	1.6				2.1	2.2	2.4			1.9	1.8	1.6	1.5	
38.0	1.1	1.2				1.8	1.9	1.9			1.9	1.7	1.5	1.5	
40.0						1.4	1.5	1.6			1.8	1.6	1.5		
42.0						1.1	1.1				1.6	1.6	1.5		
44.0						0.7	0.8				1.3	1.4	1.5		
46.0											1.0	1.1			
48.0											0.7	0.8			
θ (°)	21 to 82	23 to 82	37 to 82	52 to 82	63 to 82	17 to 82	15 to 82	34 to 82	49 to 82	66 to 82	21 to 82	23 to 82	37 to 82	53 to 82	65 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 25 t, outrigger extension width 6.0 m

[Capacity G]

47.9 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
11.0	4.3														
12.0	4.3														
14.0	4.3	4.3				3.0									
16.0	4.3	4.3	4.3	4.3		3.0	3.0				2.0				
18.0	4.3	4.3	4.3	4.3	4.3	3.0	3.0	3.0			2.0	2.0			
20.0	4.3	4.3	4.2	4.1	4.1	3.0	3.0	3.0			2.0	2.0			
22.0	4.2	4.1	4.0	3.9	3.9	3.0	3.0	3.0	2.8	2.5	2.0	2.0			
24.0	3.9	3.9	3.8	3.7	3.7	3.0	3.0	3.0	2.8	2.5	2.0	2.0	2.0		
26.0	3.7	3.6	3.6	3.5	3.5	3.0	3.0	3.0	2.7	2.5	2.0	2.0	1.9	1.7	
28.0	3.4	3.4	3.4	3.4	3.4	3.0	3.0	2.8	2.7	2.5	2.0	2.0	1.9	1.6	1.5
30.0	3.1	3.2	3.2	3.2	3.2	3.0	2.8	2.7	2.6	2.5	2.0	2.0	1.8	1.6	1.4
32.0	2.6	2.7	2.8	2.9		2.8	2.7	2.6	2.6	2.5	2.0	2.0	1.7	1.6	1.4
34.0	2.1	2.2	2.3	2.4		2.5	2.6	2.5	2.5	2.5	2.0	1.9	1.7	1.5	1.4
36.0	1.7	1.8	1.9	1.9		2.1	2.3	2.4	2.4		2.0	1.9	1.7	1.5	1.4
38.0	1.2	1.3	1.5	1.5		1.7	1.9	2.1	2.2		2.0	1.8	1.6	1.5	1.4
40.0	0.8	0.9	1.0	1.1		1.4	1.5	1.7	1.8		1.7	1.8	1.6	1.5	1.4
42.0	0.5	0.6	0.7			1.0	1.2	1.3	1.4		1.4	1.6	1.5	1.5	
44.0						0.7	0.8	1.0	1.0		1.1	1.3	1.5	1.4	
46.0							0.5	0.6			0.8	1.0	1.2	1.3	
48.0											0.5	0.7	0.9	1.0	
50.0												0.5	0.6	0.7	
θ (°)	44 to 82	45 to 82	46 to 82	45 to 82	60 to 82	48 to 82	47 to 82	49 to 82	52 to 82	67 to 82	50 to 82	48 to 82	50 to 82	45 to 82	60 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 25 t, outrigger extension width 6.0 m

[Capacity G]  
51.2 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
12.0	3.9														
14.0	3.9	3.9				2.8									
16.0	3.9	3.9	3.9			2.8					1.9				
18.0	3.9	3.9	3.9	3.9	3.9	2.8	2.8				1.9				
20.0	3.9	3.9	3.9	3.8	3.8	2.8	2.8	2.8			1.9	1.9			
22.0	3.8	3.8	3.7	3.6	3.6	2.8	2.8	2.8	2.8		1.9	1.9			
24.0	3.6	3.5	3.5	3.4	3.4	2.8	2.8	2.8	2.8	2.5	1.9	1.9	1.9		
26.0	3.3	3.3	3.3	3.3	3.3	2.8	2.8	2.8	2.7	2.5	1.9	1.9	1.9		
28.0	3.1	3.1	3.1	3.1	3.1	2.8	2.8	2.6	2.6	2.5	1.9	1.9	1.8	1.6	
30.0	2.9	2.9	2.9	2.9	2.9	2.7	2.6	2.5	2.5	2.5	1.9	1.9	1.8	1.6	1.4
32.0	2.5	2.6	2.7	2.7		2.6	2.5	2.4	2.4	2.4	1.9	1.9	1.7	1.6	1.4
34.0	2.0	2.1	2.3	2.4		2.4	2.4	2.3	2.3	2.3	1.9	1.9	1.7	1.5	1.4
36.0	1.6	1.7	1.8	1.9		2.0	2.2	2.2	2.2	2.2	1.9	1.9	1.6	1.5	1.4
38.0	1.2	1.3	1.4	1.5		1.6	1.8	2.0	2.1		1.9	1.8	1.6	1.5	1.4
40.0	0.8	0.9	1.0	1.1		1.3	1.5	1.6	1.8		1.7	1.8	1.6	1.5	1.4
42.0		0.5	0.6	0.7		0.9	1.1	1.3	1.4		1.3	1.6	1.5	1.5	
44.0						0.6	0.8	0.9	1.0		1.0	1.3	1.5	1.4	
46.0								0.6	0.7		0.7	0.9	1.2	1.3	
48.0											0.5	0.6	0.9	1.0	
50.0													0.6	0.7	
θ (°)	50 to 82	49 to 82	50 to 82	50 to 82	66 to 82	51 to 82	53 to 82	52 to 82	53 to 82	67 to 82	53 to 82	55 to 82	53 to 82	55 to 82	69 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 25 t, outrigger extension width 6.0 m

# Full automatic luffing jib

[Capacity H]

33.2 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
7.0	5.6														
8.0	5.6														
9.0	5.6	5.6				4.3									
10.0	5.6	5.6	5.6			4.3									
11.0	5.6	5.6	5.6			4.3	4.3				2.5				
12.0	5.6	5.6	5.6	5.6		4.3	4.3				2.5				
14.0	5.6	5.6	5.6	5.6	4.9	4.3	4.3	3.7			2.5	2.5			
16.0	5.6	5.6	5.6	5.6	4.9	4.3	4.3	3.5	2.9		2.5	2.5			
18.0	5.6	5.6	5.6	5.6	4.8	4.3	4.2	3.3	2.8	2.5	2.5	2.5	2.1		
20.0	5.6	5.6	5.6	5.6	4.8	4.3	4.0	3.2	2.7	2.5	2.5	2.5	2.0		
22.0	5.3	5.5	5.6	5.6	4.8	4.3	3.8	3.1	2.7	2.5	2.5	2.4	2.0	1.7	
24.0	4.4	4.5	4.8	4.9		4.2	3.6	3.0	2.6	2.5	2.5	2.3	1.9	1.6	1.5
26.0	3.6	3.7	3.9	4.0		3.9	3.4	2.9	2.6	2.5	2.5	2.2	1.8	1.6	1.4
28.0	2.9	3.0	3.2	3.2		3.5	3.2	2.8	2.6		2.4	2.1	1.8	1.5	1.4
30.0	2.3	2.4	2.5			2.9	3.1	2.7	2.5		2.3	2.0	1.7	1.5	1.4
32.0	1.8	1.9	2.0			2.4	2.6	2.7	2.5		2.1	1.9	1.7	1.5	1.4
34.0	1.4	1.5	1.5			1.9	2.1	2.3	2.3		2.0	1.8	1.6	1.5	
36.0	0.9	1.0				1.6	1.7	1.8			1.9	1.8	1.6	1.5	
38.0	0.5	0.6				1.2	1.3	1.4			1.7	1.7	1.5	1.5	
40.0						0.9	1.0	1.0			1.4	1.5	1.5		
42.0						0.5	0.6				1.1	1.2	1.3		
44.0											0.8	0.9	1.0		
46.0											0.5	0.6			
θ (°)	21 to 82	23 to 82	37 to 82	52 to 82	63 to 82	25 to 82	26 to 82	34 to 82	49 to 82	66 to 82	28 to 82	30 to 82	37 to 82	53 to 82	65 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 21 t, outrigger extension width 6.0 m

[Capacity H]

47.9 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4					
	Offset					Offset					Offset					
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	
11.0	4.3															
12.0	4.3															
14.0	4.3	4.3				3.0										
16.0	4.3	4.3	4.3	4.3		3.0	3.0				2.0					
18.0	4.3	4.3	4.3	4.3	4.3	3.0	3.0				2.0	2.0				
20.0	4.3	4.3	4.2	4.1	4.1	3.0	3.0	3.0			2.0	2.0				
22.0	4.2	4.1	4.0	3.9	3.9	3.0	3.0	3.0	2.8	2.5	2.0	2.0				
24.0	3.9	3.9	3.8	3.7	3.7	3.0	3.0	3.0	2.8	2.5	2.0	2.0	2.0			
26.0	3.7	3.6	3.6	3.5	3.5	3.0	3.0	3.0	2.7	2.5	2.0	2.0	1.9	1.7		
28.0	3.0	3.1	3.3	3.4	3.4	3.0	3.0	3.0	2.8	2.7	2.5	2.0	2.0	1.9	1.6	1.5
30.0	2.4	2.5	2.7	2.8	2.9	2.9	2.8	2.7	2.6	2.5	2.0	2.0	1.8	1.6	1.4	
32.0	1.9	2.0	2.2	2.3		2.3	2.6	2.6	2.6	2.5	2.0	2.0	1.7	1.6	1.4	
34.0	1.5	1.6	1.7	1.8		1.9	2.1	2.3	2.5	2.5	2.0	1.9	1.7	1.5	1.4	
36.0	1.0	1.2	1.3	1.4		1.5	1.7	1.9	2.1		1.9	1.9	1.7	1.5	1.4	
38.0	0.6	0.8	0.9	0.9		1.2	1.3	1.5	1.6		1.5	1.8	1.6	1.5	1.4	
40.0			0.5	0.5		0.8	1.0	1.2	1.3		1.2	1.4	1.6	1.5	1.4	
42.0						0.5	0.6	0.8	0.9		0.9	1.1	1.4	1.5		
44.0								0.5	0.6		0.6	0.8	1.1	1.2		
46.0												0.5	0.8	0.9		
48.0													0.5	0.6		
θ (°)	50 to 82	51 to 82	49 to 82	45 to 82	60 to 82	51 to 82	53 to 82	52 to 82	52 to 82	67 to 82	55 to 82	53 to 82	52 to 82	54 to 82	60 to 82	
Standard hook block	5.6 t															
Hook block weight	175 kg															
Standard number of parts of line	1															

Note: Counterweight 21 t, outrigger extension width 6.0 m

[Capacity H]  
51.2 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
12.0	3.9														
14.0	3.9	3.9				2.8									
16.0	3.9	3.9	3.9			2.8					1.9				
18.0	3.9	3.9	3.9	3.9	3.9	2.8	2.8				1.9				
20.0	3.9	3.9	3.9	3.8	3.8	2.8	2.8	2.8			1.9	1.9			
22.0	3.8	3.8	3.7	3.6	3.6	2.8	2.8	2.8	2.8		1.9	1.9			
24.0	3.6	3.5	3.5	3.4	3.4	2.8	2.8	2.8	2.8	2.5	1.9	1.9	1.9		
26.0	3.3	3.3	3.3	3.3	3.3	2.8	2.8	2.8	2.7	2.5	1.9	1.9	1.9		
28.0	2.9	3.1	3.1	3.1	3.1	2.8	2.8	2.6	2.6	2.5	1.9	1.9	1.8	1.6	
30.0	2.4	2.5	2.7	2.8	2.9	2.7	2.6	2.5	2.5	2.5	1.9	1.9	1.8	1.6	1.4
32.0	1.9	2.0	2.2	2.3		2.3	2.5	2.4	2.4	2.4	1.9	1.9	1.7	1.6	1.4
34.0	1.4	1.5	1.7	1.8		1.8	2.0	2.3	2.3	2.3	1.9	1.9	1.7	1.5	1.4
36.0	1.0	1.1	1.3	1.4		1.5	1.6	1.9	2.0	2.1	1.8	1.9	1.6	1.5	1.4
38.0	0.6	0.7	0.8	0.9		1.1	1.3	1.5	1.6		1.5	1.7	1.6	1.5	1.4
40.0						0.7	0.9	1.1	1.3		1.2	1.4	1.6	1.5	1.4
42.0							0.6	0.8	0.9		0.8	1.1	1.3	1.5	
44.0									0.5			0.8	1.0	1.2	
46.0													0.7	0.9	
48.0														0.5	
θ (°)	53 to 82	54 to 82	55 to 82	56 to 82	66 to 82	56 to 82	56 to 82	57 to 82	56 to 82	67 to 82	60 to 82	59 to 82	58 to 82	58 to 82	69 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 21 t, outrigger extension width 6.0 m

# Full automatic luffing jib

[Capacity I]  
33.2 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
7.0	5.6														
8.0	5.6														
9.0	5.6	5.6				4.3									
10.0	5.6	5.6	5.6			4.3									
11.0	5.6	5.6	5.6			4.3	4.3				2.5				
12.0	5.6	5.6	5.6	5.6		4.3	4.3				2.5				
14.0	5.6	5.6	5.6	5.6	4.9	4.3	4.3	3.7			2.5	2.5			
16.0	5.6	5.6	5.6	5.6	4.9	4.3	4.3	3.5	2.9		2.5	2.5			
18.0	5.6	5.6	5.6	5.6	4.8	4.3	4.2	3.3	2.8	2.5	2.5	2.5	2.1		
20.0	4.8	5.1	5.4	5.6	4.8	4.3	4.0	3.2	2.7	2.5	2.5	2.5	2.0		
22.0	3.8	4.0	4.3	4.4	4.5	4.3	3.8	3.1	2.7	2.5	2.5	2.4	2.0	1.7	
24.0	3.0	3.2	3.4	3.5		3.6	3.6	3.0	2.6	2.5	2.5	2.3	1.9	1.6	1.5
26.0	2.3	2.5	2.6	2.7		2.9	3.2	2.9	2.6	2.5	2.5	2.2	1.8	1.6	1.4
28.0	1.7	1.9	2.0	2.1		2.3	2.5	2.8	2.6		2.4	2.1	1.8	1.5	1.4
30.0	1.2	1.3	1.5			1.8	2.0	2.3	2.4		2.3	2.0	1.7	1.5	1.4
32.0	0.8	0.9	1.0			1.4	1.6	1.8	1.9		1.8	1.9	1.7	1.5	1.4
34.0			0.5			1.0	1.2	1.3	1.4		1.5	1.7	1.6	1.5	
36.0						0.7	0.8	0.9			1.1	1.3	1.6	1.5	
38.0								0.5			0.8	1.0	1.2	1.3	
40.0											0.5	0.7	0.9		
42.0													0.6		
θ (°)	40 to 82	41 to 82	37 to 82	52 to 82	63 to 82	40 to 82	42 to 82	39 to 82	49 to 82	66 to 82	41 to 82	44 to 82	42 to 82	53 to 82	65 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 15 t, outrigger extension width 6.0 m

[Capacity I]  
47.9 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
11.0	4.3														
12.0	4.3														
14.0	4.3	4.3				3.0									
16.0	4.3	4.3	4.3	4.3		3.0	3.0				2.0				
18.0	4.3	4.3	4.3	4.3	4.3	3.0	3.0				2.0	2.0			
20.0	4.3	4.3	4.2	4.1	4.1	3.0	3.0	3.0			2.0	2.0			
22.0	3.9	4.1	4.0	3.9	3.9	3.0	3.0	3.0	2.8	2.5	2.0	2.0			
24.0	3.1	3.3	3.5	3.7	3.7	3.0	3.0	3.0	2.8	2.5	2.0	2.0	2.0		
26.0	2.4	2.6	2.8	3.0	3.0	2.9	3.0	3.0	2.7	2.5	2.0	2.0	1.9	1.7	
28.0	1.8	2.0	2.2	2.3	2.4	2.3	2.5	2.8	2.7	2.5	2.0	2.0	1.9	1.6	1.5
30.0	1.3	1.5	1.6	1.8	1.8	1.8	2.0	2.3	2.5	2.5	2.0	2.0	1.8	1.6	1.4
32.0	0.9	1.0	1.2	1.3		1.3	1.6	1.8	2.0	2.1	1.7	2.0	1.7	1.6	1.4
34.0			0.8	0.9		1.0	1.2	1.4	1.6	1.6	1.3	1.6	1.7	1.5	1.4
36.0							0.8	1.0	1.2		1.0	1.3	1.6	1.5	1.4
38.0									0.8			0.9	1.2	1.4	1.4
40.0													0.9	1.1	1.2
42.0														0.8	
θ (°)	58 to 82	59 to 82	57 to 82	58 to 82	60 to 82	61 to 82	60 to 82	62 to 82	60 to 82	67 to 82	63 to 82	63 to 82	62 to 82	62 to 82	60 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 15 t, outrigger extension width 6.0 m

[Capacity I]  
51.2 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m) Load radius (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
12.0	3.9														
14.0	3.9	3.9				2.8									
16.0	3.9	3.9	3.9			2.8					1.9				
18.0	3.9	3.9	3.9	3.9	3.9	2.8	2.8				1.9				
20.0	3.9	3.9	3.9	3.8	3.8	2.8	2.8	2.8			1.9	1.9			
22.0	3.8	3.8	3.7	3.6	3.6	2.8	2.8	2.8	2.8		1.9	1.9			
24.0	3.0	3.2	3.5	3.4	3.4	2.8	2.8	2.8	2.8	2.5	1.9	1.9	1.9		
26.0	2.3	2.5	2.8	2.9	3.0	2.8	2.8	2.8	2.7	2.5	1.9	1.9	1.9		
28.0	1.8	1.9	2.1	2.3	2.3	2.2	2.5	2.6	2.6	2.5	1.9	1.9	1.8	1.6	
30.0	1.3	1.4	1.6	1.7	1.8	1.7	2.0	2.3	2.5	2.5	1.9	1.9	1.8	1.6	1.4
32.0		1.0	1.2	1.3		1.3	1.5	1.8	2.0	2.1	1.6	1.9	1.7	1.6	1.4
34.0							1.1	1.4	1.5	1.6	1.3	1.5	1.7	1.5	1.4
36.0								1.0	1.1	1.2	0.9	1.2	1.5	1.5	1.4
38.0													1.2	1.4	1.4
40.0													0.9	1.1	1.1
θ (°)	62 to 82	61 to 82	63 to 82	63 to 82	66 to 82	65 to 82	65 to 82	64 to 82	65 to 82	67 to 82	66 to 82	67 to 82	65 to 82	67 to 82	69 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 15 t, outrigger extension width 6.0 m

# Full automatic luffing jib

[Capacity J]

33.2 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
7.0	5.6														
8.0	5.6														
9.0	5.6	5.6				4.3									
10.0	5.6	5.6	5.6			4.3									
11.0	5.6	5.6	5.6			4.3	4.3				2.5				
12.0	5.6	5.6	5.6	5.6		4.3	4.3				2.5				
14.0	5.6	5.6	5.6	5.6	4.9	4.3	4.3	3.7			2.5	2.5			
16.0	5.6	5.6	5.6	5.6	4.9	4.3	4.3	3.5	2.9		2.5	2.5			
18.0	4.2	4.5	4.9	5.2	4.8	4.3	4.2	3.3	2.8	2.5	2.5	2.5	2.1		
20.0	3.2	3.4	3.7	3.9	4.0	3.8	4.0	3.2	2.7	2.5	2.5	2.5	2.0		
22.0	2.3	2.5	2.8	2.9	3.0	2.9	3.3	3.1	2.7	2.5	2.5	2.4	2.0	1.7	
24.0	1.6	1.8	2.0	2.1		2.2	2.5	2.9	2.6	2.5	2.5	2.3	1.9	1.6	1.5
26.0	1.1	1.2	1.4	1.5		1.7	1.9	2.3	2.5	2.5	2.1	2.2	1.8	1.6	1.4
28.0	0.6	0.7	0.9	0.9		1.2	1.4	1.7	1.9		1.6	2.0	1.8	1.5	1.4
30.0						0.8	1.0	1.2	1.3		1.2	1.5	1.7	1.5	1.4
32.0							0.6	0.8	0.9		0.9	1.1	1.4	1.5	1.4
34.0									0.5		0.5	0.8	1.0	1.2	
36.0												0.5	0.7	0.9	
38.0														0.5	
θ (°)	48 to 82	50 to 82	51 to 82	52 to 82	63 to 82	51 to 82	50 to 82	52 to 82	49 to 82	66 to 82	51 to 82	51 to 82	54 to 82	53 to 82	65 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 9 t, outrigger extension width 6.0 m

[Capacity J]

47.9 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
11.0	4.3														
12.0	4.3														
14.0	4.3	4.3				3.0									
16.0	4.3	4.3	4.3	4.3		3.0	3.0				2.0				
18.0	4.3	4.3	4.3	4.3	4.3	3.0	3.0				2.0	2.0			
20.0	3.3	3.5	3.9	4.1	4.1	3.0	3.0	3.0			2.0	2.0			
22.0	2.4	2.6	2.9	3.1	3.3	2.9	3.0	3.0	2.8	2.5	2.0	2.0			
24.0	1.7	1.9	2.2	2.4	2.5	2.2	2.5	3.0	2.8	2.5	2.0	2.0	2.0		
26.0		1.3	1.6	1.7	1.8	1.6	1.9	2.3	2.6	2.5	2.0	2.0	1.9	1.7	
28.0				1.2	1.2		1.4	1.7	2.0	2.2	1.5	1.9	1.9	1.6	1.5
30.0								1.3	1.5	1.6	1.1	1.4	1.8	1.6	1.4
32.0									1.0	1.1			1.4	1.6	1.4
34.0													1.0	1.3	1.4
36.0														0.9	1.1
θ (°)	67 to 82	66 to 82	67 to 82	66 to 82	66 to 82	69 to 82	69 to 82	69 to 82	68 to 82	70 to 82	69 to 82	71 to 82	69 to 82	69 to 82	70 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 9 t, outrigger extension width 6.0 m

[Capacity J]  
51.2 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
12.0	3.9														
14.0	3.9	3.9				2.8									
16.0	3.9	3.9	3.9			2.8					1.9				
18.0	3.9	3.9	3.9	3.9	3.9	2.8	2.8				1.9				
20.0	3.2	3.5	3.8	3.8	3.8	2.8	2.8	2.8			1.9	1.9			
22.0	2.4	2.6	2.9	3.1	3.3	2.8	2.8	2.8	2.8		1.9	1.9			
24.0	1.7	1.9	2.1	2.3	2.4	2.1	2.5	2.8	2.8	2.5	1.9	1.9	1.9		
26.0			1.5	1.7	1.8	1.6	1.9	2.3	2.6	2.5	1.9	1.9	1.9		
28.0							1.3	1.7	2.0	2.1	1.4	1.8	1.8	1.6	
30.0									1.5	1.6		1.4	1.8	1.6	1.4
32.0												1.4	1.6	1.6	1.4
34.0													1.3	1.4	
θ (°)	69 to 82	70 to 82	70 to 82	70 to 82	71 to 82	71 to 82	71 to 82	73 to 82	72 to 82	74 to 82	73 to 82	73 to 82	73 to 82	74 to 82	76 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 9 t, outrigger extension width 6.0 m

# Full automatic luffing jib

[Capacity M]

33.2 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
7.0	5.6														
8.0	5.6														
9.0	5.6	5.6				4.3									
10.0	5.6	5.6	5.6			4.3									
11.0	5.6	5.6	5.6			4.3	4.3				2.5				
12.0	5.6	5.6	5.6	5.6		4.3	4.3				2.5				
14.0	5.6	5.6	5.6	5.6	4.9	4.3	4.3	3.7			2.5	2.5			
16.0	5.6	5.6	5.6	5.6	4.9	4.3	4.3	3.5	2.9		2.5	2.5			
18.0	5.6	5.6	5.6	5.6	4.8	4.3	4.2	3.3	2.8	2.5	2.5	2.5	2.1		
20.0	5.6	5.6	5.6	5.6	4.8	4.3	4.0	3.2	2.7	2.5	2.5	2.5	2.0		
22.0	4.8	5.0	5.2	5.4	4.8	4.3	3.8	3.1	2.7	2.5	2.5	2.4	2.0	1.7	
24.0	3.9	4.0	4.3	4.4		4.2	3.6	3.0	2.6	2.5	2.5	2.3	1.9	1.6	1.5
26.0	3.1	3.3	3.5	3.5		3.7	3.4	2.9	2.6	2.5	2.5	2.2	1.8	1.6	1.4
28.0	2.5	2.6	2.8	2.8		3.1	3.2	2.8	2.6		2.4	2.1	1.8	1.5	1.4
30.0	2.0	2.1	2.2			2.5	2.7	2.7	2.5		2.3	2.0	1.7	1.5	1.4
32.0	1.5	1.6	1.7			2.1	2.2	2.4	2.5		2.1	1.9	1.7	1.5	1.4
34.0	1.1	1.1	1.2			1.7	1.8	2.0	2.0		2.0	1.8	1.6	1.5	
36.0	0.6	0.7				1.3	1.4	1.5			1.7	1.8	1.6	1.5	
38.0						0.9	1.0	1.2			1.4	1.6	1.5	1.5	
40.0						0.6	0.7	0.7			1.1	1.3	1.4		
42.0											0.8	1.0	1.1		
44.0											0.5	0.6	0.8		
θ (°)	29 to 82	30 to 82	37 to 82	52 to 82	63 to 82	31 to 82	32 to 82	34 to 82	49 to 82	66 to 82	33 to 82	35 to 82	37 to 82	53 to 82	65 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 25 t, outrigger extension width 5.0 m

[Capacity M]

47.9 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
11.0	4.3														
12.0	4.3														
14.0	4.3	4.3				3.0									
16.0	4.3	4.3	4.3	4.3		3.0	3.0				2.0				
18.0	4.3	4.3	4.3	4.3	4.3	3.0	3.0				2.0	2.0			
20.0	4.3	4.3	4.2	4.1	4.1	3.0	3.0	3.0			2.0	2.0			
22.0	4.2	4.1	4.0	3.9	3.9	3.0	3.0	3.0	2.8	2.5	2.0	2.0			
24.0	3.9	3.9	3.8	3.7	3.7	3.0	3.0	3.0	2.8	2.5	2.0	2.0	2.0		
26.0	3.2	3.4	3.6	3.5	3.5	3.0	3.0	3.0	2.7	2.5	2.0	2.0	1.9	1.7	
28.0	2.6	2.8	2.9	3.1	3.1	3.0	3.0	2.8	2.7	2.5	2.0	2.0	1.9	1.6	1.5
30.0	2.1	2.2	2.4	2.5	2.5	2.5	2.7	2.7	2.6	2.5	2.0	2.0	1.8	1.6	1.4
32.0	1.6	1.7	1.9	2.0		2.0	2.2	2.5	2.6	2.5	2.0	2.0	1.7	1.6	1.4
34.0	1.2	1.3	1.4	1.5		1.6	1.8	2.0	2.2	2.3	2.0	1.9	1.7	1.5	1.4
36.0	0.7	0.9	1.0	1.1		1.3	1.4	1.6	1.8		1.6	1.8	1.7	1.5	1.4
38.0		0.5	0.6	0.6		0.9	1.1	1.3	1.4		1.3	1.5	1.6	1.5	1.4
40.0						0.5	0.7	0.9	1.0		1.0	1.2	1.4	1.5	1.4
42.0								0.6	0.7		0.7	0.9	1.1	1.3	
44.0												0.6	0.8	1.0	
46.0													0.5	0.7	
θ (°)	52 to 82	51 to 82	52 to 82	52 to 82	60 to 82	54 to 82	55 to 82	54 to 82	55 to 82	67 to 82	57 to 82	56 to 82	55 to 82	57 to 82	60 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 25 t, outrigger extension width 5.0 m

[Capacity M]  
51.2 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
12.0	3.9														
14.0	3.9	3.9				2.8									
16.0	3.9	3.9	3.9			2.8					1.9				
18.0	3.9	3.9	3.9	3.9	3.9	2.8	2.8				1.9				
20.0	3.9	3.9	3.9	3.8	3.8	2.8	2.8	2.8			1.9	1.9			
22.0	3.8	3.8	3.7	3.6	3.6	2.8	2.8	2.8	2.8		1.9	1.9			
24.0	3.6	3.5	3.5	3.4	3.4	2.8	2.8	2.8	2.8	2.5	1.9	1.9	1.9		
26.0	3.2	3.3	3.3	3.3	3.3	2.8	2.8	2.8	2.7	2.5	1.9	1.9	1.9		
28.0	2.5	2.7	2.9	3.0	3.1	2.8	2.8	2.6	2.6	2.5	1.9	1.9	1.8	1.6	
30.0	2.0	2.2	2.3	2.5	2.5	2.4	2.6	2.5	2.5	2.5	1.9	1.9	1.8	1.6	1.4
32.0	1.5	1.7	1.8	1.9		2.0	2.2	2.4	2.4	2.4	1.9	1.9	1.7	1.6	1.4
34.0	1.1	1.2	1.4	1.5		1.6	1.7	2.0	2.2	2.3	1.9	1.9	1.7	1.5	1.4
36.0	0.7	0.8	1.0	1.0		1.2	1.4	1.6	1.7	1.8	1.5	1.8	1.6	1.5	1.4
38.0				0.6		0.8	1.0	1.2	1.4		1.2	1.4	1.6	1.5	1.4
40.0							0.6	0.9	1.0		0.9	1.1	1.4	1.5	1.4
42.0									0.6			0.8	1.1	1.3	
44.0													0.8	1.0	
46.0														0.6	
θ (°)	55 to 82	57 to 82	58 to 82	56 to 82	66 to 82	58 to 82	58 to 82	60 to 82	58 to 82	67 to 82	62 to 82	61 to 82	60 to 82	60 to 82	69 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 25 t, outrigger extension width 5.0 m

FLJ

# Full automatic luffing jib

[Capacity N]

33.2 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
7.0	5.6														
8.0	5.6														
9.0	5.6	5.6				4.3									
10.0	5.6	5.6	5.6			4.3									
11.0	5.6	5.6	5.6			4.3	4.3				2.5				
12.0	5.6	5.6	5.6	5.6		4.3	4.3				2.5				
14.0	5.6	5.6	5.6	5.6	4.9	4.3	4.3	3.7			2.5	2.5			
16.0	5.6	5.6	5.6	5.6	4.9	4.3	4.3	3.5	2.9		2.5	2.5			
18.0	5.6	5.6	5.6	5.6	4.8	4.3	4.2	3.3	2.8	2.5	2.5	2.5	2.1		
20.0	4.9	5.1	5.4	5.6	4.8	4.3	4.0	3.2	2.7	2.5	2.5	2.5	2.0		
22.0	3.9	4.1	4.4	4.5	4.6	4.3	3.8	3.1	2.7	2.5	2.5	2.4	2.0	1.7	
24.0	3.1	3.3	3.5	3.6		3.7	3.6	3.0	2.6	2.5	2.5	2.3	1.9	1.6	1.5
26.0	2.4	2.6	2.7	2.8		3.0	3.3	2.9	2.6	2.5	2.5	2.2	1.8	1.6	1.4
28.0	1.8	2.0	2.1	2.2		2.4	2.6	2.8	2.6		2.4	2.1	1.8	1.5	1.4
30.0	1.4	1.5	1.6			1.9	2.1	2.3	2.5		2.3	2.0	1.7	1.5	1.4
32.0	0.9	1.0	1.1			1.5	1.7	1.9	2.0		1.9	1.9	1.7	1.5	1.4
34.0	0.5	0.5	0.6			1.1	1.3	1.4	1.5		1.6	1.8	1.6	1.5	
36.0						0.8	0.9	1.0			1.2	1.4	1.6	1.5	
38.0							0.5	0.6			0.9	1.1	1.3	1.4	
40.0											0.6	0.8	1.0		
42.0												0.5	0.6		
θ (°)	35 to 82	36 to 82	37 to 82	52 to 82	63 to 82	40 to 82	38 to 82	39 to 82	49 to 82	66 to 82	41 to 82	40 to 82	42 to 82	53 to 82	65 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 21 t, outrigger extension width 5.0 m

[Capacity N]

47.9 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
11.0	4.3														
12.0	4.3														
14.0	4.3	4.3				3.0									
16.0	4.3	4.3	4.3	4.3		3.0	3.0				2.0				
18.0	4.3	4.3	4.3	4.3	4.3	3.0	3.0				2.0	2.0			
20.0	4.3	4.3	4.2	4.1	4.1	3.0	3.0	3.0			2.0	2.0			
22.0	4.0	4.1	4.0	3.9	3.9	3.0	3.0	3.0	2.8	2.5	2.0	2.0			
24.0	3.2	3.4	3.6	3.7	3.7	3.0	3.0	3.0	2.8	2.5	2.0	2.0	2.0		
26.0	2.5	2.7	2.9	3.0	3.1	3.0	3.0	3.0	2.7	2.5	2.0	2.0	1.9	1.7	
28.0	1.9	2.1	2.3	2.4	2.5	2.4	2.6	2.8	2.7	2.5	2.0	2.0	1.9	1.6	1.5
30.0	1.4	1.6	1.7	1.9	1.9	1.9	2.1	2.4	2.6	2.5	2.0	2.0	1.8	1.6	1.4
32.0	1.0	1.1	1.3	1.4		1.4	1.7	1.9	2.1	2.2	1.8	2.0	1.7	1.6	1.4
34.0		0.7	0.9	1.0		1.1	1.3	1.5	1.7	1.7	1.4	1.7	1.7	1.5	1.4
36.0						0.7	0.9	1.1	1.3		1.1	1.3	1.7	1.5	1.4
38.0								0.8	0.9		0.8	1.0	1.3	1.5	1.4
40.0												0.7	1.0	1.2	1.2
42.0													0.7	0.9	
θ (°)	58 to 82	56 to 82	57 to 82	58 to 82	60 to 82	58 to 82	60 to 82	60 to 82	60 to 82	67 to 82	61 to 82	60 to 82	60 to 82	62 to 82	60 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 21 t, outrigger extension width 5.0 m

[Capacity N]  
51.2 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
12.0	3.9														
14.0	3.9	3.9				2.8									
16.0	3.9	3.9	3.9			2.8					1.9				
18.0	3.9	3.9	3.9	3.9	3.9	2.8	2.8				1.9				
20.0	3.9	3.9	3.9	3.8	3.8	2.8	2.8	2.8			1.9	1.9			
22.0	3.8	3.8	3.7	3.6	3.6	2.8	2.8	2.8	2.8		1.9	1.9			
24.0	3.1	3.3	3.5	3.4	3.4	2.8	2.8	2.8	2.8	2.5	1.9	1.9	1.9		
26.0	2.5	2.6	2.9	3.0	3.1	2.8	2.8	2.8	2.7	2.5	1.9	1.9	1.9		
28.0	1.9	2.0	2.2	2.4	2.4	2.3	2.6	2.6	2.6	2.5	1.9	1.9	1.8	1.6	
30.0	1.4	1.5	1.7	1.8	1.9	1.8	2.1	2.4	2.5	2.5	1.9	1.9	1.8	1.6	1.4
32.0	1.0	1.1	1.3	1.4		1.4	1.6	1.9	2.1	2.2	1.7	1.9	1.7	1.6	1.4
34.0				0.9		1.0	1.2	1.5	1.6	1.7	1.4	1.6	1.7	1.5	1.4
36.0								1.1	1.2	1.3	1.0	1.3	1.6	1.5	1.4
38.0									0.9			1.0	1.3	1.5	1.4
40.0													0.9	1.1	1.2
42.0														0.8	
θ (°)	60 to 82	61 to 82	63 to 82	61 to 82	66 to 82	63 to 82	65 to 82	64 to 82	63 to 82	67 to 82	66 to 82	65 to 82	65 to 82	65 to 82	69 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 21 t, outrigger extension width 5.0 m

# Full automatic luffing jib

[Capacity O]

33.2 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
7.0	5.6														
8.0	5.6														
9.0	5.6	5.6				4.3									
10.0	5.6	5.6	5.6			4.3									
11.0	5.6	5.6	5.6			4.3	4.3				2.5				
12.0	5.6	5.6	5.6	5.6		4.3	4.3				2.5				
14.0	5.6	5.6	5.6	5.6	4.9	4.3	4.3	3.7			2.5	2.5			
16.0	5.6	5.6	5.6	5.6	4.9	4.3	4.3	3.5	2.9		2.5	2.5			
18.0	4.5	4.7	5.1	5.4	4.8	4.3	4.2	3.3	2.8	2.5	2.5	2.5	2.1		
20.0	3.4	3.6	3.9	4.1	4.2	4.0	4.0	3.2	2.7	2.5	2.5	2.5	2.0		
22.0	2.5	2.7	3.0	3.2	3.2	3.2	3.5	3.1	2.7	2.5	2.5	2.4	2.0	1.7	
24.0	1.9	2.0	2.2	2.4		2.5	2.7	3.0	2.6	2.5	2.5	2.3	1.9	1.6	1.5
26.0	1.3	1.4	1.6	1.7		1.9	2.1	2.4	2.6	2.5	2.3	2.2	1.8	1.6	1.4
28.0	0.8	0.9	1.1	1.1		1.4	1.6	1.9	2.1		1.8	2.1	1.8	1.5	1.4
30.0		0.5	0.6			1.0	1.1	1.4	1.5		1.4	1.7	1.7	1.5	1.4
32.0						0.6	0.8	1.0	1.1		1.0	1.3	1.6	1.5	1.4
34.0								0.6	0.6		0.7	0.9	1.2	1.4	
36.0												0.6	0.9	1.0	
38.0													0.5	0.7	
θ (°)	48 to 82	46 to 82	47 to 82	52 to 82	63 to 82	48 to 82	50 to 82	48 to 82	49 to 82	66 to 82	51 to 82	51 to 82	51 to 82	53 to 82	65 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 15 t, outrigger extension width 5.0 m

[Capacity O]

47.9 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
11.0	4.3														
12.0	4.3														
14.0	4.3	4.3				3.0									
16.0	4.3	4.3	4.3	4.3		3.0	3.0				2.0				
18.0	4.3	4.3	4.3	4.3	4.3	3.0	3.0				2.0	2.0			
20.0	3.5	3.7	4.1	4.1	4.1	3.0	3.0	3.0			2.0	2.0			
22.0	2.6	2.9	3.1	3.4	3.5	3.0	3.0	3.0	2.8	2.5	2.0	2.0			
24.0	1.9	2.1	2.4	2.6	2.7	2.4	2.7	3.0	2.8	2.5	2.0	2.0	2.0		
26.0	1.4	1.5	1.8	1.9	2.0	1.8	2.1	2.5	2.7	2.5	2.0	2.0	1.9	1.7	
28.0			1.2	1.4	1.4	1.3	1.6	1.9	2.2	2.3	1.7	2.0	1.9	1.6	1.5
30.0							1.1	1.4	1.7	1.8	1.3	1.6	1.8	1.6	1.4
32.0								1.0	1.2	1.3		1.2	1.6	1.6	1.4
34.0													1.2	1.5	1.4
36.0														1.1	1.2
38.0															0.9
θ (°)	65 to 82	66 to 82	65 to 82	66 to 82	66 to 82	67 to 82	67 to 82	67 to 82	68 to 82	70 to 82	69 to 82	69 to 82	69 to 82	69 to 82	68 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 15 t, outrigger extension width 5.0 m

[Capacity O]  
51.2 m boom + 1.5 m + full automatic luffing jib

Unit: t

Jib length (m)	7.4					12.4					17.4				
	Offset					Offset					Offset				
Load radius (m)	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
12.0	3.9														
14.0	3.9	3.9				2.8									
16.0	3.9	3.9	3.9			2.8					1.9				
18.0	3.9	3.9	3.9	3.9	3.9	2.8	2.8				1.9				
20.0	3.4	3.7	3.9	3.8	3.8	2.8	2.8	2.8			1.9	1.9			
22.0	2.6	2.8	3.1	3.3	3.5	2.8	2.8	2.8	2.8		1.9	1.9			
24.0	1.9	2.1	2.4	2.5	2.7	2.3	2.7	2.8	2.8	2.5	1.9	1.9	1.9		
26.0	1.3	1.5	1.7	1.9	2.0	1.8	2.1	2.5	2.7	2.5	1.9	1.9	1.9		
28.0				1.3	1.4	1.3	1.5	1.9	2.2	2.3	1.6	1.9	1.8	1.6	
30.0								1.4	1.6	1.8	1.2	1.5	1.8	1.6	1.4
32.0									1.2	1.3			1.5	1.6	1.4
34.0													1.2	1.4	1.4
36.0														1.1	1.2
θ (°)	67 to 82	68 to 82	70 to 82	68 to 82	68 to 82	69 to 82	71 to 82	71 to 82	70 to 82	71 to 82	71 to 82	73 to 82	71 to 82	72 to 82	74 to 82
Standard hook block	5.6 t														
Hook block weight	175 kg														
Standard number of parts of line	1														

Note: Counterweight 15 t, outrigger extension width 5.0 m