



Tadano All Terrain Crane
ATF-360G-6
Specifications

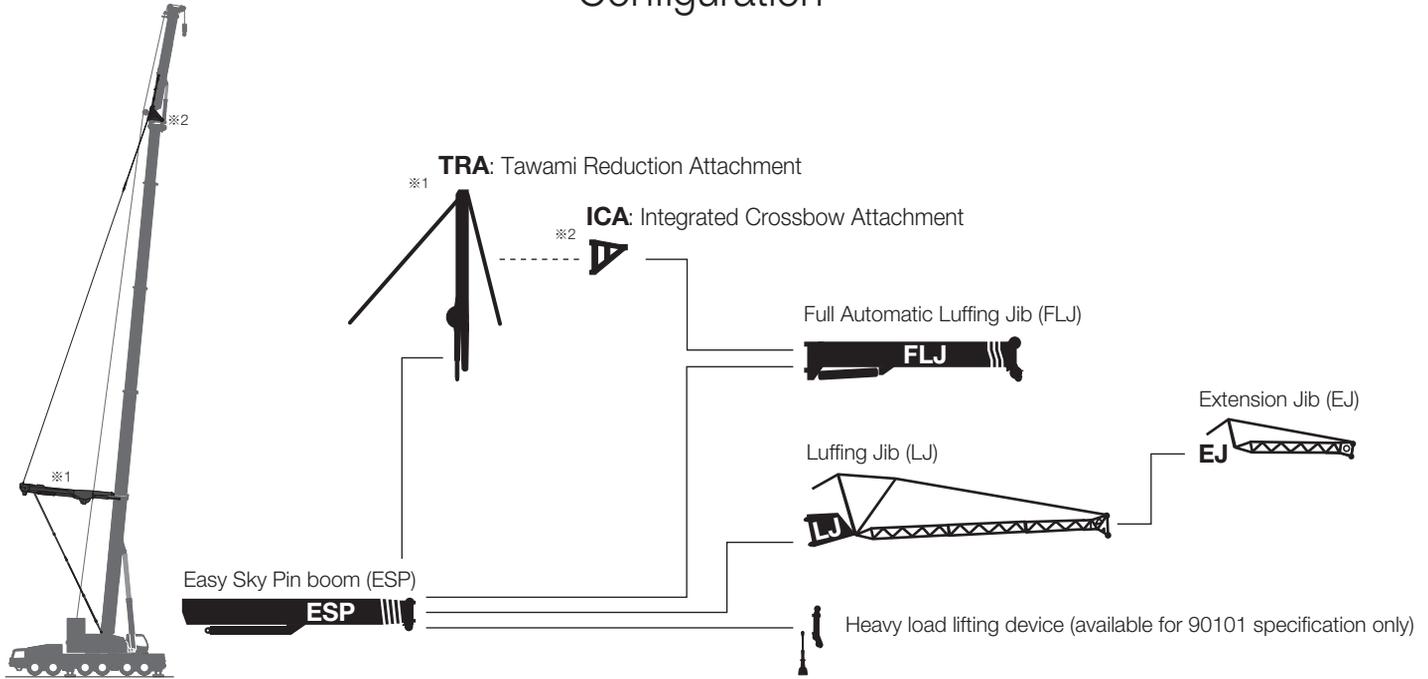
Model name	ATF-360G6
Carrier	FAUN RTF360G-6
Spec. No.	ATF-360G-1-90101, 90102

Tadano Ltd.

ALL TERRAIN CRANE ATF360G-6

CARRIER FAUN RTF360G-6

Configuration



- For ATF360G-6 (90101, 90102 specifications), there are three types of jibs, including full automatic luffing jib (FLJ), luffing jib (LJ), and extension jib (EJ).
- The extension jib (EJ) is installed to the top of the luffing jib (LJ).
- The TRA is a device to reduce boom deflection and increase the rated lifting capacity. It can be installed on the easy sky pin boom (ESP) as well as the boom with any of the jibs attached.
- The ICA is a device to increase the rated lifting capacity of the full automatic luffing jib (FLJ) at high lifting heights. It is installed to the full automatic luffing jib (FLJ) and used with the TRA.
- A heavy load lifting device is provided with 90101 specification and not provided with 90102 specification. Therefore, the maximum rated lifting capacity will be as shown in the table.

Specification	Max. rated lifting capacity
90101	360 t
90102	170 t

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

Easy sky pin boom (ESP)											
	Counterweight	138 t	118 t	98 t	78 t	58 t	47 t	25 t	16.5 t	7.5 t	0 t
	Outrigger extension width										
	8.5 m	A (P15)	B (P15)	D (P16)	E (P17)	F (P17)	G (P18)	I (P19)	J (P19)	K (P20)	M (P21)
	8.0 m	–	C (P16)	D (P16)	E (P17)	F (P17)	G (P18)	I (P19)	J (P19)	K (P20)	M (P21)
	6.8 m	–	–	–	F (P17)	G (P18)	H (P18)	J (P19)	K (P20)	L (P20)	N (P21)
	5.5 m	–	–	–	–	–	–	I (P19)	K (P20)	L (P20)	M (P21)
2.7 m	–	–	–	–	–	–	–	–	–	–	P, Q (P21)

ESP

TRA + Easy sky pin boom (ESP)						
	Counterweight	138 t	118 t	98 t	78 t	58 t
	Outrigger extension width					
	8.5 m	TA (P25)	TB (P25)	TD (P25)	TE (P25)	TF (P25)
	8.0 m	–	TC (P25)	TD (P25)	TE (P25)	TF (P25)
6.8 m	–	–	–	TF (P25)	–	

TRA+ESP

Full automatic luffing jib (FLJ)								
	Counterweight	138 t	118 t	98 t	78 t	58 t	47 t	25 t
	Outrigger extension width							
	8.5 m	–	FC (P30)	FD (P33)	FE (P36)	FF (P39)	FG (P42)	FI (P47)
	8.0 m	–	FC (P30)	FD (P33)	FE (P36)	FF (P39)	FG (P42)	FI (P47)
6.8 m	–	–	–	FF (P39)	FG (P42)	FH (P45)	–	

FLJ

TRA + Full automatic luffing jib (FLJ)							
	Counterweight	138 t	118 t	98 t	78 t	58 t	47 t
	Outrigger extension width						
	8.5 m	TFA (P52)	TFB (P55)	TFD (P61)	TFE (P64)	TFF (P67)	TFG (P70)
	8.0 m	–	TFC (P58)	TFD (P61)	TFE (P64)	TFF (P67)	TFG (P70)
6.8 m	–	–	–	TFF (P67)	TFG (P70)	–	

TRA+FLJ

TRA + ICA + Full automatic luffing jib (FLJ)							
	Counterweight	138 t	118 t	98 t	78 t	58 t	47 t
	Outrigger extension width						
	8.5 m	–	IFD (P76)	IFD (P76)	IFE (P77)	IFF (P78)	IFG (P79)
	8.0 m	–	IFD (P76)	IFD (P76)	IFE (P77)	IFF (P78)	IFG (P79)
6.8 m	–	–	–	IFF (P78)	IFG (P79)	–	

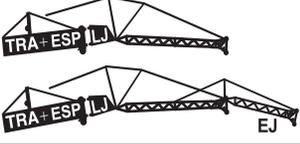
TRA+ICA+FLJ

Luffing jib (LJ)							
	Counterweight	138 t	118 t	98 t	78 t	58 t	47 t
	Outrigger extension width						
	8.5 m	LA (P86)	LB (P88)	LD (P92)	LE (P94)	LF (P96)	LG (P98)
	8.0 m	–	LC (P90)	LD (P92)	LE (P94)	LF (P96)	LG (P98)
6.8 m	–	–	–	LF (P96)	LG (P98)	–	

LJ

luffing jib (LJ) + Extension jib (EJ)					
	Counterweight	138 t	118 t	98 t	78 t
	Outrigger extension width				
	8.5 m	LA (P103)	LB (P105)	LD (P109)	LE (P110)
8.0 m	–	LC (P107)	LD (P109)	LE (P110)	

LJ+EJ

TRA + Luffing jib (LJ) (+ Extension jib (EJ))						
	Counterweight	138 t	118 t	98 t	78 t	58 t
	Outrigger extension width					
	8.5 m	TLA (P115)	TLB (P119)	TLD (P127)	TLE (P130)	TLF (P132)
	8.0 m	–	TLC (P123)	TLD (P127)	TLE (P130)	TLF (P132)
6.8 m	–	–	–	TLF (P132)	–	

TRA+LJ(+EJ)

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

Specifications

Crane

		Without (TRA)		With (TRA)	
Easy sky pin boom (ESP)	15.0m (ESP)	*360.0t × 3.0m (42 parts of line) 170.0t × 5.0m (18 parts of line)			
	20.1m (ESP)	170.0t × 5.0m (18 parts of line)			
	25.1m (ESP)	157.0t × 6.0m (16 parts of line)			
	30.2m (ESP)	131.0t × 6.0m (13 parts of line)			
	35.3m (ESP)	109.8t × 6.0m (11 parts of line)		109.8t × 8.0m (11 parts of line)	
	40.4m (ESP)	75.0t × 9.0m (7 parts of line)		75.0t × 12.0m (7 parts of line)	
	45.4m (ESP)	63.4t × 10.0m (6 parts of line)		65.0t × 14.0m (6 parts of line)	
	50.5m (ESP)	48.3t × 12.0m (5 parts of line)		51.0t × 14.0m (5 parts of line)	
	55.6m (ESP)	40.0t × 12.0m (4 parts of line)		41.8t × 8.0m (4 parts of line)	
	60.0m (ESP)	30.7t × 16.0m (3 parts of line)		32.4t × 18.0m (3 parts of line)	
	Single top	11.3t (1 part of line)			
Full automatic luffing jib (FLJ)	1.6m + 10.3m (FLJ)	39.9t × 9.0m (4 parts of line)		38.3t × 10.0m (4 parts of line)	
	1.6m + 17.2m (FLJ)	16.7t × 26.0m (2 parts of line)		16.7t × 32.0m (2 parts of line)	
	1.6m + 24.1m (FLJ)	16.1t × 14.0m (2 parts of line)		16.7t × 12.0m (2 parts of line)	
	1.6m + 31.0m (FLJ)	10.9t × 16.0m (1 part of line)		10.9t × 18.0m (1 part of line)	
Luffing jib (LJ)	2.1m + 20m (LJ)	64.0t × 16.0m (6 parts of line)		34.6t × 26.0m (4 parts of line)	
	2.1m + 29m (LJ)	47.0t × 20.0m (5 parts of line)		24.7t × 32.0m (3 parts of line)	
	2.1m + 38m (LJ)	35.0t × 30.0m (4 parts of line)		16.9t × 44.0m (2 parts of line)	
	2.1m + 47m (LJ)	26.0t × 24.0m (3 parts of line)		11.2t × 50.0m (2 parts of line)	
Extension jib (EJ)	2.1m + 47m (LJ) + 9m (EJ)	16.8t × 22.0m (2 parts of line)		6.9t × 62.0m (1 part of line)	
	2.1m + 47m(LJ) + 17m(EJ)	9.8t × 28.0m (1 part of line)		4.6t × 78.0m (1 part of line)	
	2.1m + 47m(LJ) + 25m(EJ)	6.3t × 40.0m (1 part of line)		3.0t × 90.0m (1 part of line)	
Maximum lifting height	(ESP)	60m (30.7t)		60m (32.4t)	
	(FLJ)	92m (5.7t)		92m (5.3t, with ICA 8.0t)	
	(LJ)	99m (3.6t)		99m (3.6t)	
Maximum load radius	(LJ + EJ)	122m (1.3t)		122m (1.3t)	
	(ESP)	58.0m (5.6t)		56.0m (6.7t)	
	(FLJ)	62.0m (2.6t)		70.0m (2.7t)	
	(LJ)	70.0m (4.4t)		74.0m (3.1t)	
	(LJ + EJ)	90.0m (3.0t)		90.0m (3.0t)	

Boom/jib length	(ESP)	15.0m to 60.0m		Upper engine	Type	Benz OM906LA Water-cooled, 4-cycle, 6-cylinder direct injection type Exhaust turbocharging diesel engine with intercooler	
	(FLJ)	1.6m + 10.3m to 31.0m			Displacement	6. 37L	
	(LJ)	2.1m + 20m, 29m, 38m, 47m			Maximum output	205 kW { 278 PS } /2,200 min ⁻¹ { rpm }	
	(LJ + EJ)	2.1m + 47m + 9m, 17m, 25m			Maximum torque	1,100 N·m { 112 kgf·m }/1,200 to 1,600 min ⁻¹ { rpm }	
Boom extension speed	(ESP)	45.0m/400s		Fuel tank capacity	300 L		
Boom/jib type	(ESP)	Box-shaped 5-section hydraulic telescoping type, pin lock type for each section		Hydraulic pump	High-pressure variable piston pump x 2 pcs, High-pressure piston pump x 1 pc, High-pressure gear pump x 1 pc		
	(FLJ)	Box-type 4-section simultaneous telescoping type, offset 5° to 60°, hydraulic stepless tilt type			Hydraulic oil tank capacity	1,344 L	
	(LJ)	Lattice-shaped, offset hydraulic stepless tilt type				Safety device	Load moment indicator (AML) Working range limiter function Slewing range limiter function Automatic slewing stop function Boom elevation slow stop function Hook block travel amount display function Counterweight combination detection device Individually-detected type automatic outrigger extension width detector Anti-two-block device Over-unwinding cutout device Level gauge Hook safety latch Slewing lock device Hydraulic safety valve Hydraulic lock device (telescoping, elevating, hoisting, jack) Winch drum revolution counter
(EJ)	Lattice-shaped, offset fixed type		Standard equipment	Counterweight mount/dismount device Boom elevating system mount/dismount device Speed adjustment device (elevating, slewing, hoisting, FLJ tilt) Anemometer (boom, FLJ, LJ) Lift adjuster, release adjuster (boom, FLJ) Oil cooler AML external warning lamp Slewing auditory alarms Drum visual monitor Crane cab air conditioner Radio			
Boom/jib telescoping system	(ESP)	1 double-acting direct-pushing hydraulic cylinder, with pressure compensating flow control valve		Option	Loudspeaker		
	(FLJ)	1 double-acting direct-pushing hydraulic cylinder, 2 wire-rope boom telescoping systems					
Single top	Installed to top boom section, side-folded stowing type						
Hook block	*180t hook block (170t hook block) (18 parts of line), 80t hook block (7 parts of line), 25t hook block (3 parts of line), 11.3t hook block (1 part of line)						
Wire rope	Main winch	Dia. 23mm × length 350m, non-rotating wire rope					
	Auxiliary winch	Dia. 23mm × length 510m, non-rotating wire rope					
Hoisting system	Hydraulic motor driven planetary gear speed reducer, automatic brake, with high/low pressure switching device, 2 single winches, with pressure compensating flow control valve						
Hoist up speed	Main winch	125 m/min (5th layer)					
	Auxiliary winch	125 m/min (5th layer)					
Boom elevating system	1 double-acting direct-pushing hydraulic cylinder, with pressure compensating flow control valve						
Boom raising speed	0° to 84.5° / 90s						
Slewing system	Hydraulic motor driven planetary gear speed reducer, roller swing bearing, manual switch brake type, hydraulically-operated slewing lock						
Slewing angle	360° continuous						
Slewing speed	1.2 min ⁻¹						
Counterweight	138t, 118t, 98t, 78t, 58t, 47t, 25t, 16.5t, 7.5t, 0t						
Outriggers	Fully hydraulic H-type, Extension width: Max. 8.5m, Mid. 8.0m, 6.8m, 5.5m, Min. 2.7m Slide and jacks with independent operation device, with slide lock pins, slide-in float						

*: Specifications with a heavy load lifting device

Carrier

Manufacturer		FAUN GmbH
Carrier type		RTF 360G-6
Maximum speed		85 km/h
Gradability		$\tan \theta = 0.46$
Minimum turning radius		11.9m
Overall length		15,460mm
Overall width		3,000mm
Overall height		4,020mm
Wheel base		1,800mm + 3,150mm + 1,700mm + 2,440mm + 1,700mm
Wheel track		2,540 mm
Gross vehicle load	Overall vehicle load	46,500kg (2 persons)
	Front axle	1st axle + 2nd axle + 3rd axle + 4th axle 27,390kg
	Rear axle	5th axle + 6th axle 19,110kg
Seating capacity		2 persons
Engine	Type	Benz OM502LA Water-cooled, 4-cycle, V-type, 8-cylinder direct injection type Exhaust turbocharging diesel engine with intercooler
	Displacement	15. 928L
	Maximum output	448 kW {609 PS } / 1,800 min ⁻¹ { rpm }
	Maximum torque	2,700 N·m {275 kgf·m } / 1,200min ⁻¹ { rpm }
Fuel tank capacity		500 L
Transmission		Fully automatic, 16 forward and 2 reverse speeds
Driving method		12 × 6 On-road 12 × 8 Off-road (with differential lock mechanism)
Axle system		6 axles full-floating type
Suspension		All-axle hydro-pneumatic suspension, suspension stroke +165mm, -105mm
Steering		Left-hand drive, fully hydraulic power steering, dual-circuit system, with emergency power steering, normal (6 front wheels + 4 rear wheels), special 4 types (6 front wheels + 6 rear wheels)
Brake	Main	Pneumatic all-wheel disc brake, dual-circuit system
	Parking	Spring brake system on 3rd/4th/5th/6th axes (8 wheels)
	Emergency	Combined with parking brake
	Auxiliary	Transmission-integrated hydraulic retarder, exhaust brake
Tire		445 / 95R25 (12 wheels)
Wheel		11. 00 to 25 (12 wheels)
Battery		12 V-170 Ah × 2 (24 V)
Standard equipment		Centralized lubrication system Back monitor Air conditioner Radio Mud guard Bunk bed for resting

Traveling

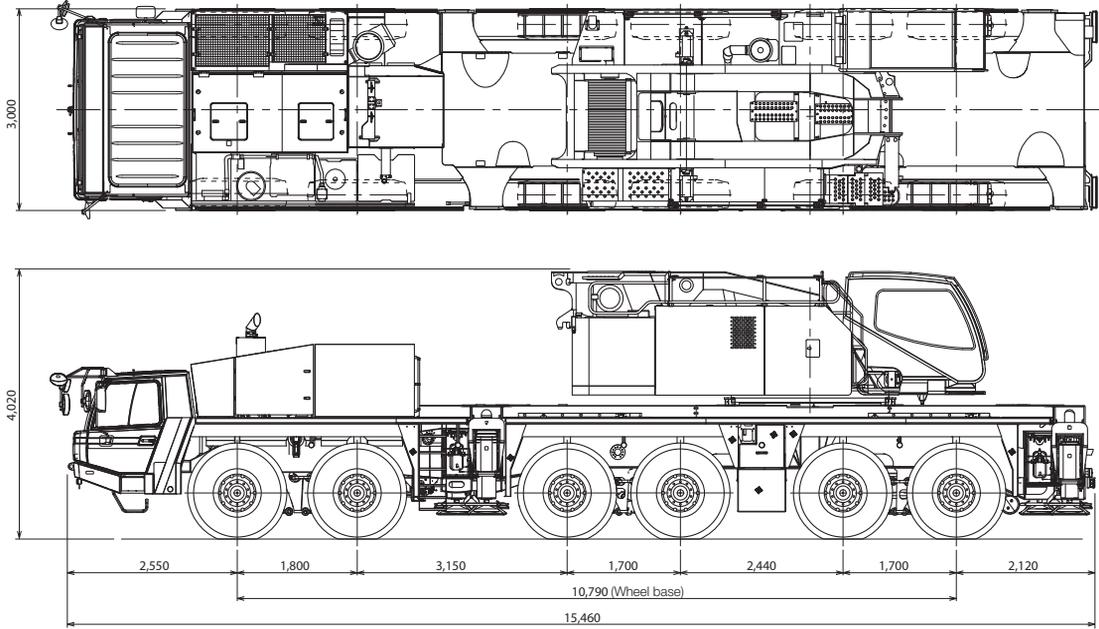
Traveling configuration on public roads

Unit (mm)

● Carrier + superstructure 46.5 t

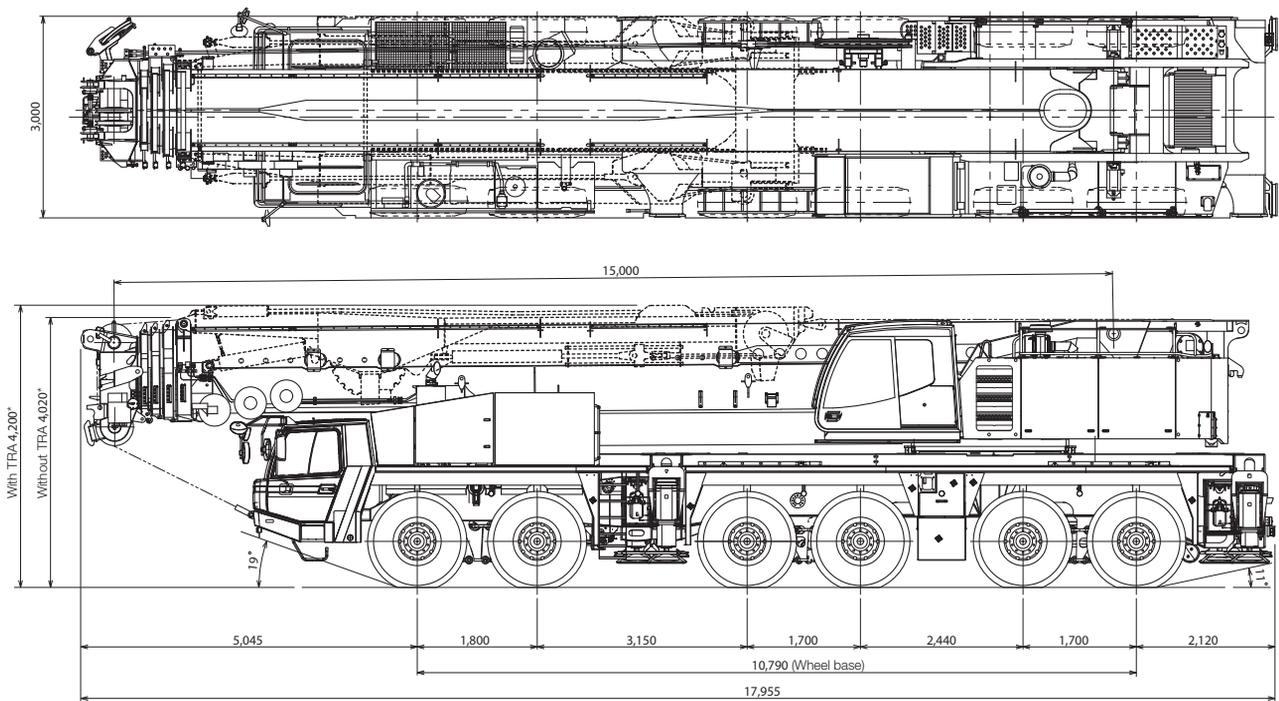
(Precautions when traveling on public roads)

1. The boom elevating system and counterweight device must be transported separately. Traveling must be performed with the crane carrier only.
2. Certification for relaxation of safety standards according to the safety regulation for road vehicle is required.
3. The special-purpose vehicle traffic permit specified in the Road Traffic Law is required. We have obtained conformity certification with the basic traveling condition weight: D indicated, but we must adhere to the conditions approved upon application for actual traveling route.



Traveling configuration in work sites

Unit (mm)



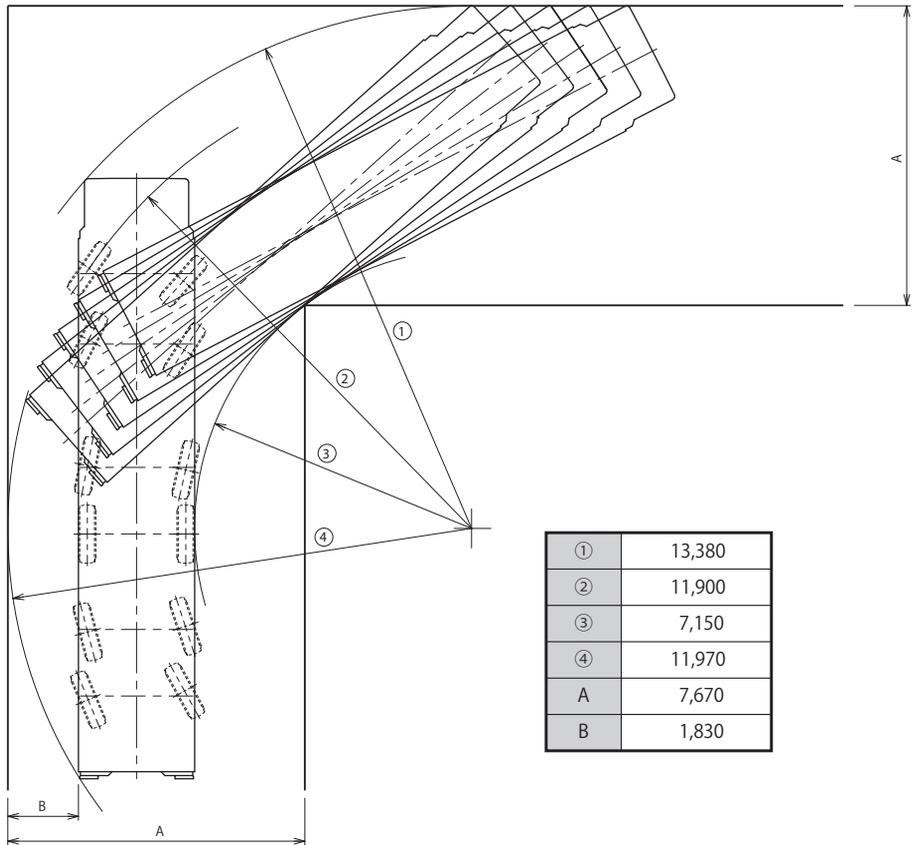
±165mm, -105mm (Suspension)

Ground clearance: 330mm

Minimum right-angle passage width

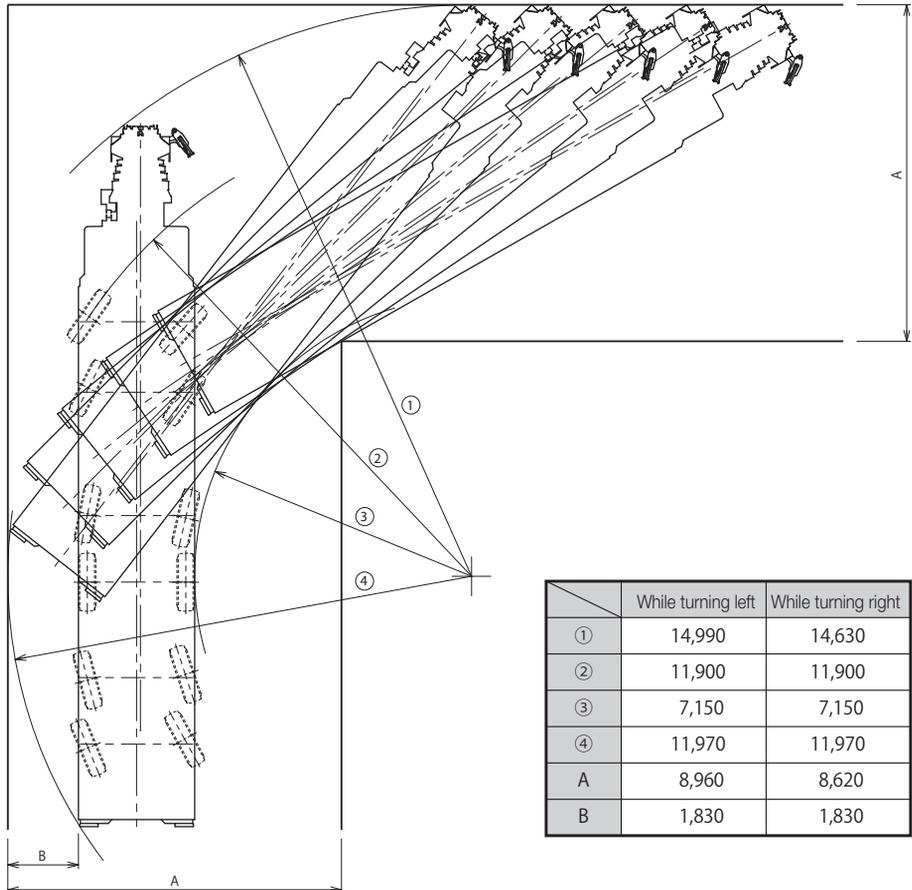
Unit (mm)

● Traveling configuration on public roads



①	13,380
②	11,900
③	7,150
④	11,970
A	7,670
B	1,830

● Traveling configuration in work sites (single top stowed)



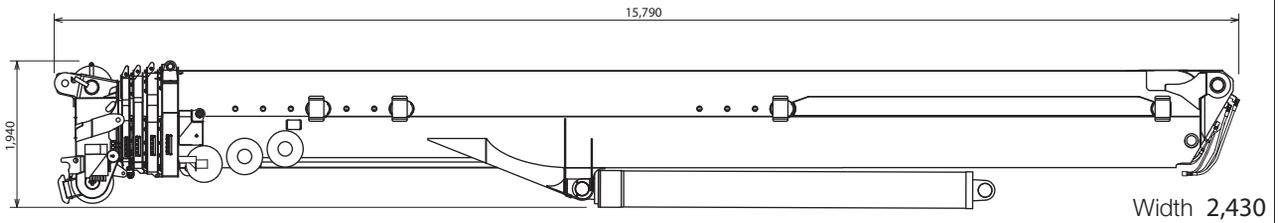
	While turning left	While turning right
①	14,990	14,630
②	11,900	11,900
③	7,150	7,150
④	11,970	11,970
A	8,960	8,620
B	1,830	1,830

Transport

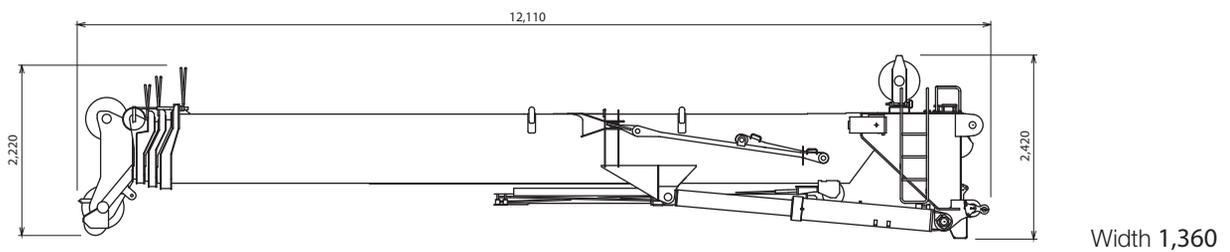
■ Components disassembled for transport

Unit (mm)

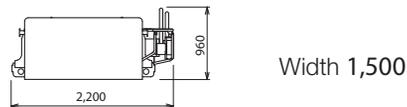
- Easy sky pin beam (ESP) + elevating cylinder (with hose reel and single top) 26.7 t



- Full automatic luffing jib (FLJ) 10.6 t

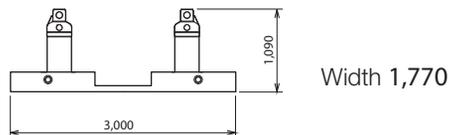


- Auxiliary winch 5.6 t

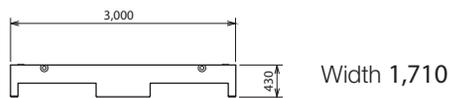


- Counterweight (C/M)

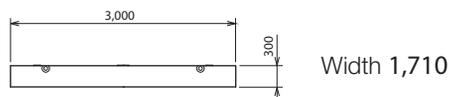
- ① 7.5 t × 1 pc



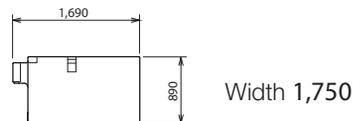
- ② 9.0 t × 1 pc



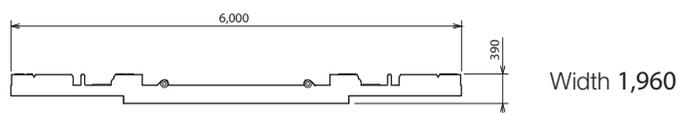
- ③ 8.5 t × 1 pc



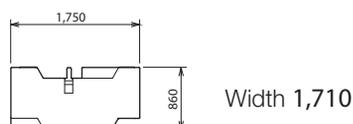
- ④ 11.0 t × 2 pcs



- ⑤ 11.0 t × 1 pc



- ⑥ 10.0 t × 8 pcs

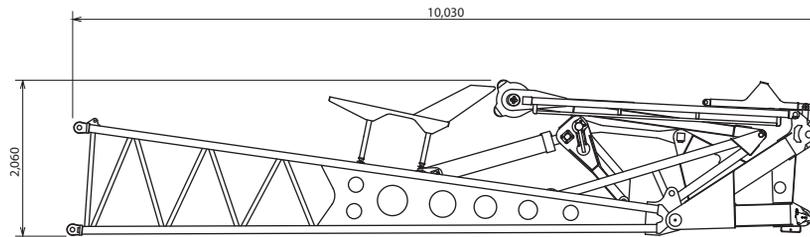


■ Components disassembled for transport

Unit (mm)

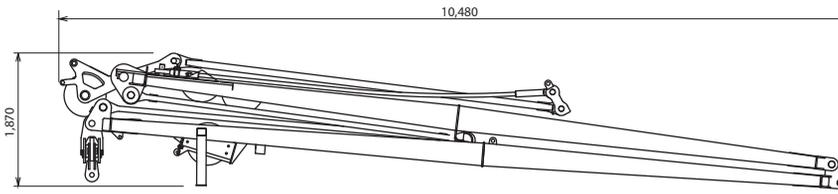
- Luffing jib (LJ)

- Base jib 5.5 t



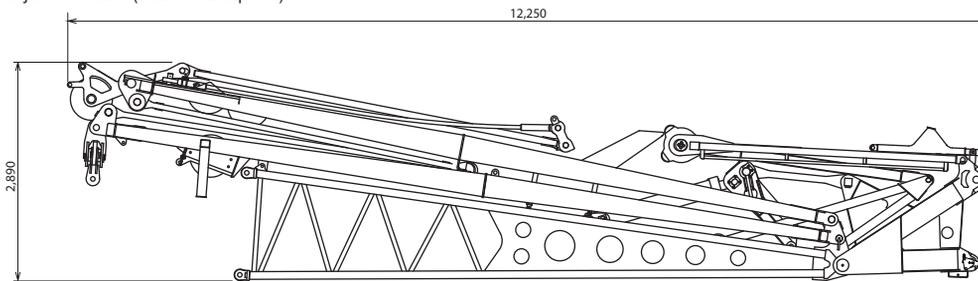
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- Mast 4.5 t



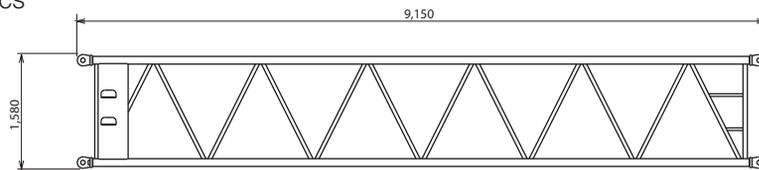
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- Base jib + mast (bulk transport) 10.0 t



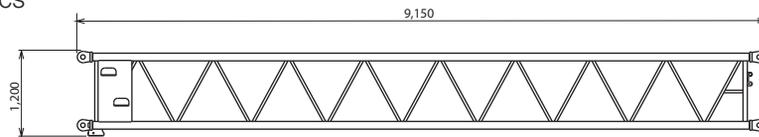
Width 1,480

- Middle 1 jib 1.7 t x 2 pcs



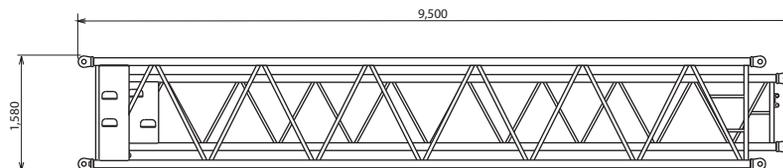
Width 1,480

- Middle 2 jib 1.5 t x 2 pcs



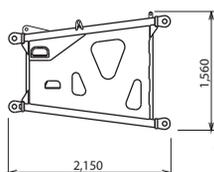
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- Middle 1 + middle 2 (the middle 2 jib stowed inside the middle 1 jib) 3.2 t x 2 pcs



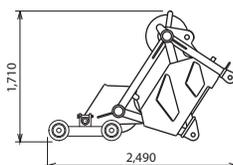
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- Reducer jib 0.7 t



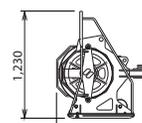
Width 1,480

- Top jib 1.3 t



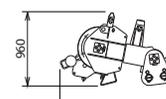
Width 1,210

- Equalizer sheave 0.5 t



Width 550

- Foot sheave 1.0 t



Width 1,850

There are other accessories included.

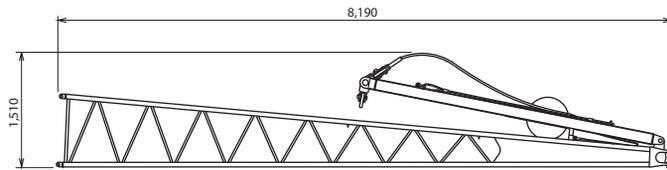
Transport

Components disassembled for transport

Unit (mm)

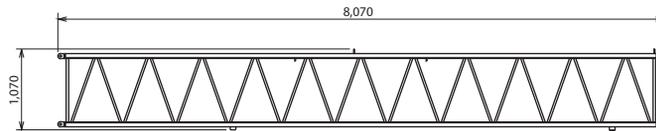
- Extension jib (EJ)

- Base jib 0.8 t



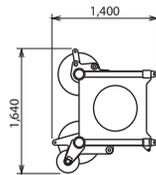
Width 1,160

- Middle jib 0.4 t × 2 pcs



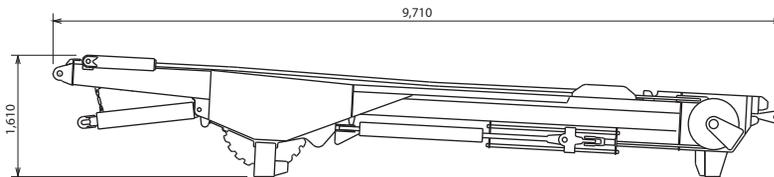
Width 1,120

- Top jib 0.5 t



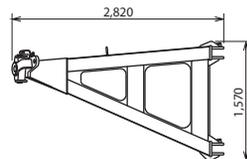
Width 1,140

- TRA 9.5 t

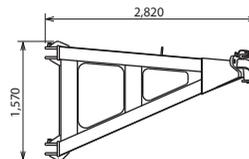


Width 2,800

- ICA 0.4 t × 2 pcs



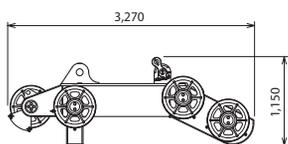
Width 800



Width 800

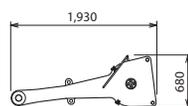
- Heavy load lifting device [Specifications with heavy load lifting device only]

- Heavy load lifting head 1.7 t



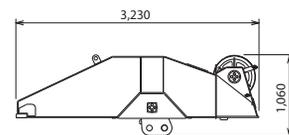
Width 1,280

- Sheave support 0.9 t



Width 1,030

- Back tension support 1.9 t



Width 1,640

- Assist jack 0.3 t × 2 pcs



Width 760

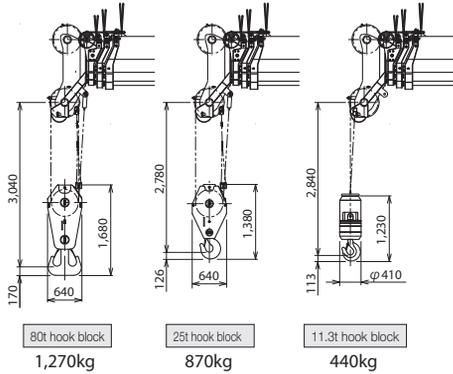
There are other accessories included.

Installation

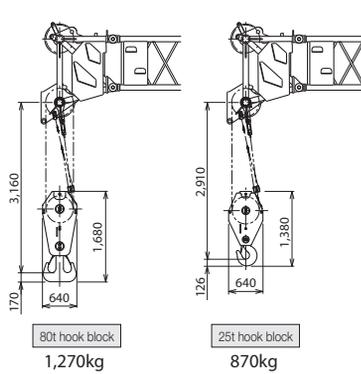
■ Hook block dimensions

Unit (mm)

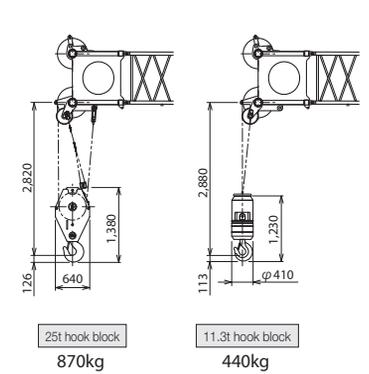
● Full automatic luffing jib (FLJ)



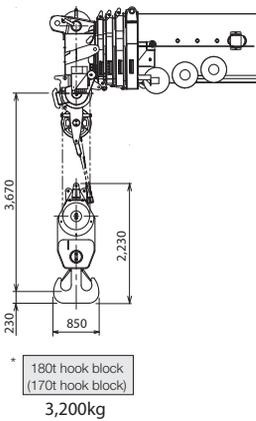
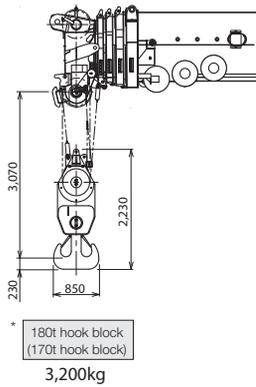
● Luffing jib (LJ)



● Extension jib (EJ)

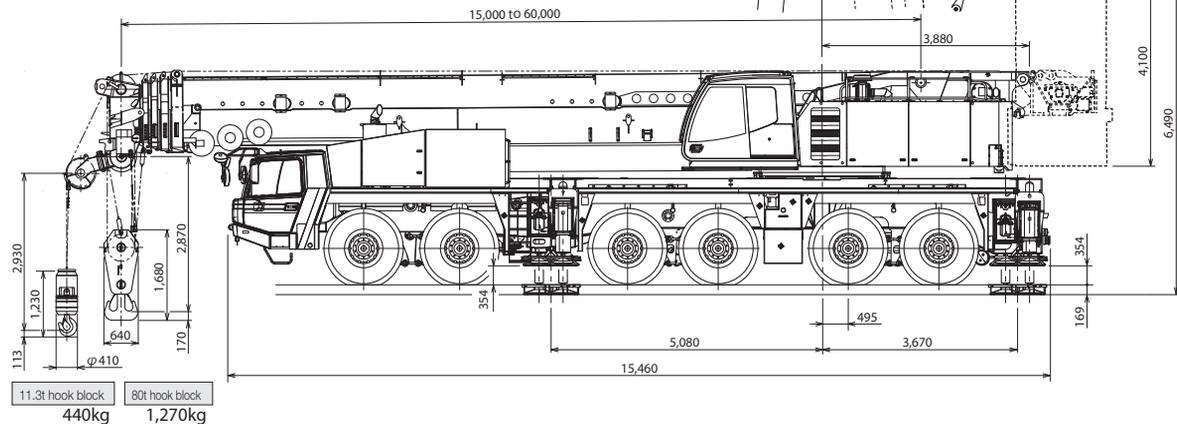
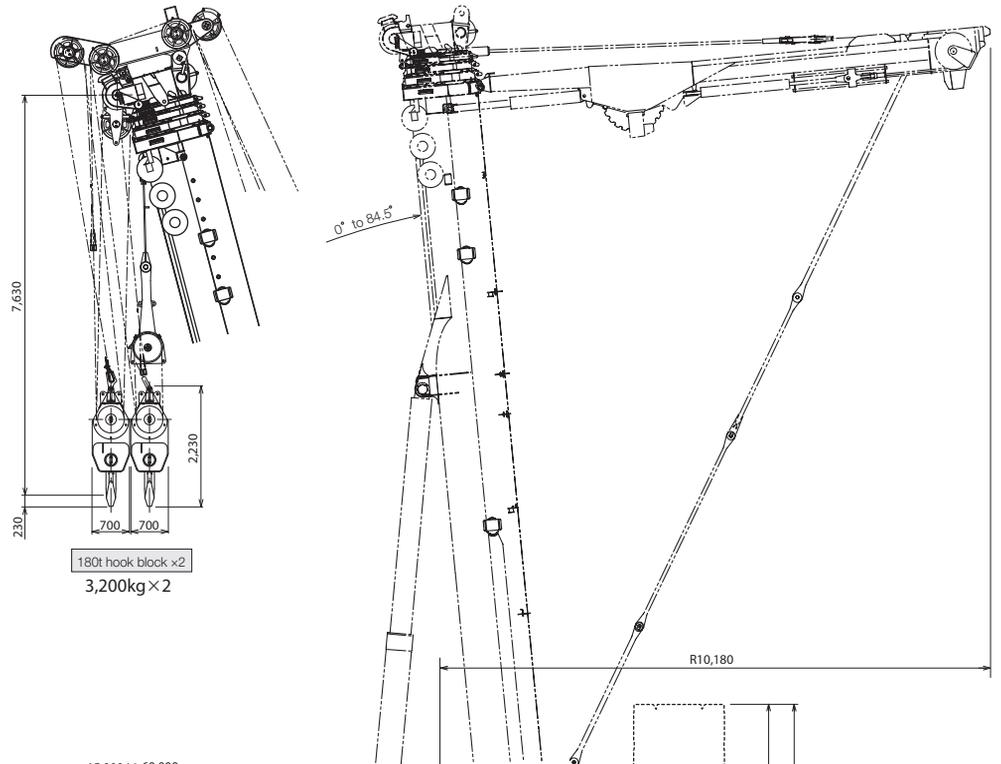


● Easy sky pin boom (ESP)



When attachment sheave (16/18 parts of line) is used

[Specifications with heavy load lifting device only]



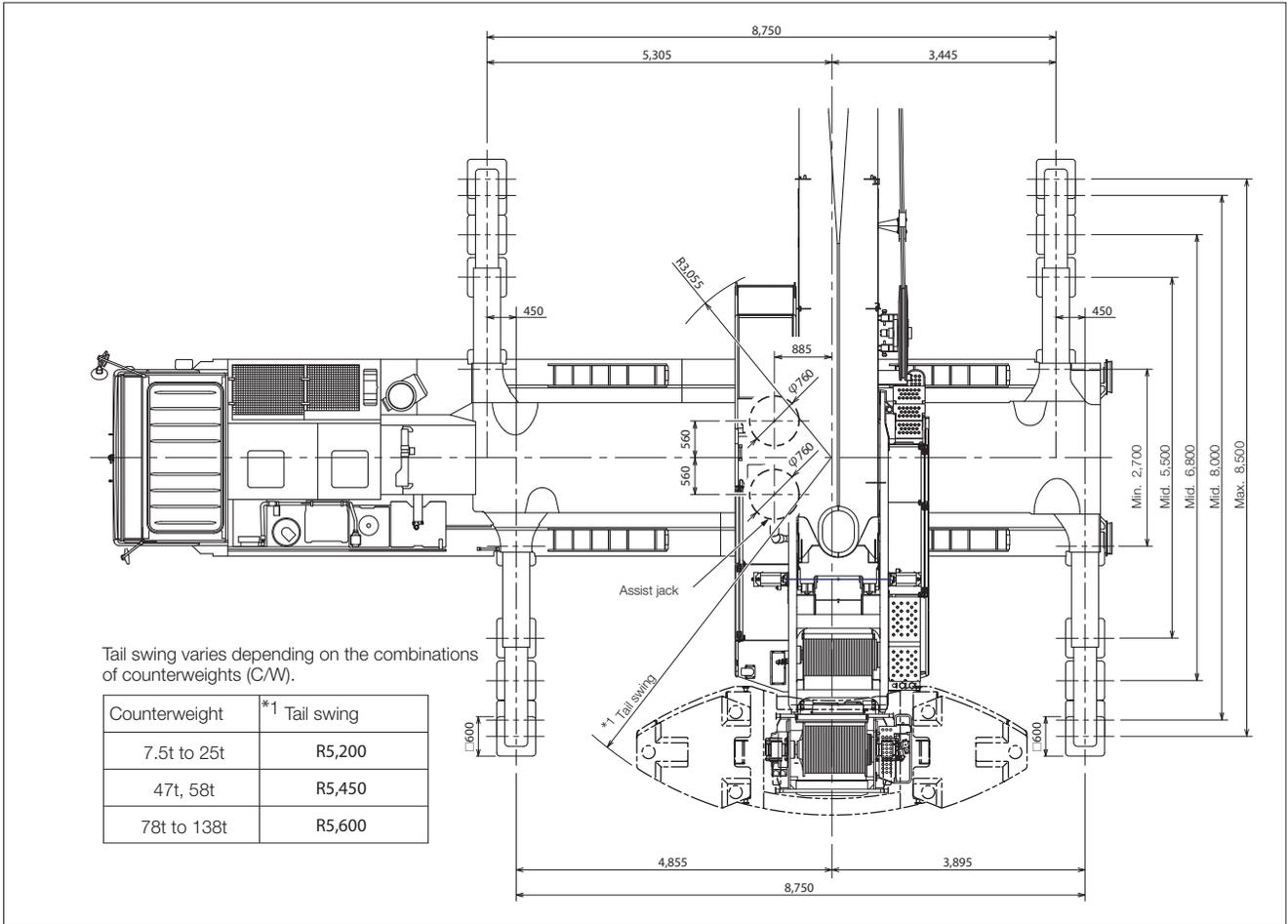
11.3t hook block 440kg 80t hook block 1,270kg

* 180t hook block for specifications with heavy load lifting device and 170t hook block for specifications without heavy load lifting device.

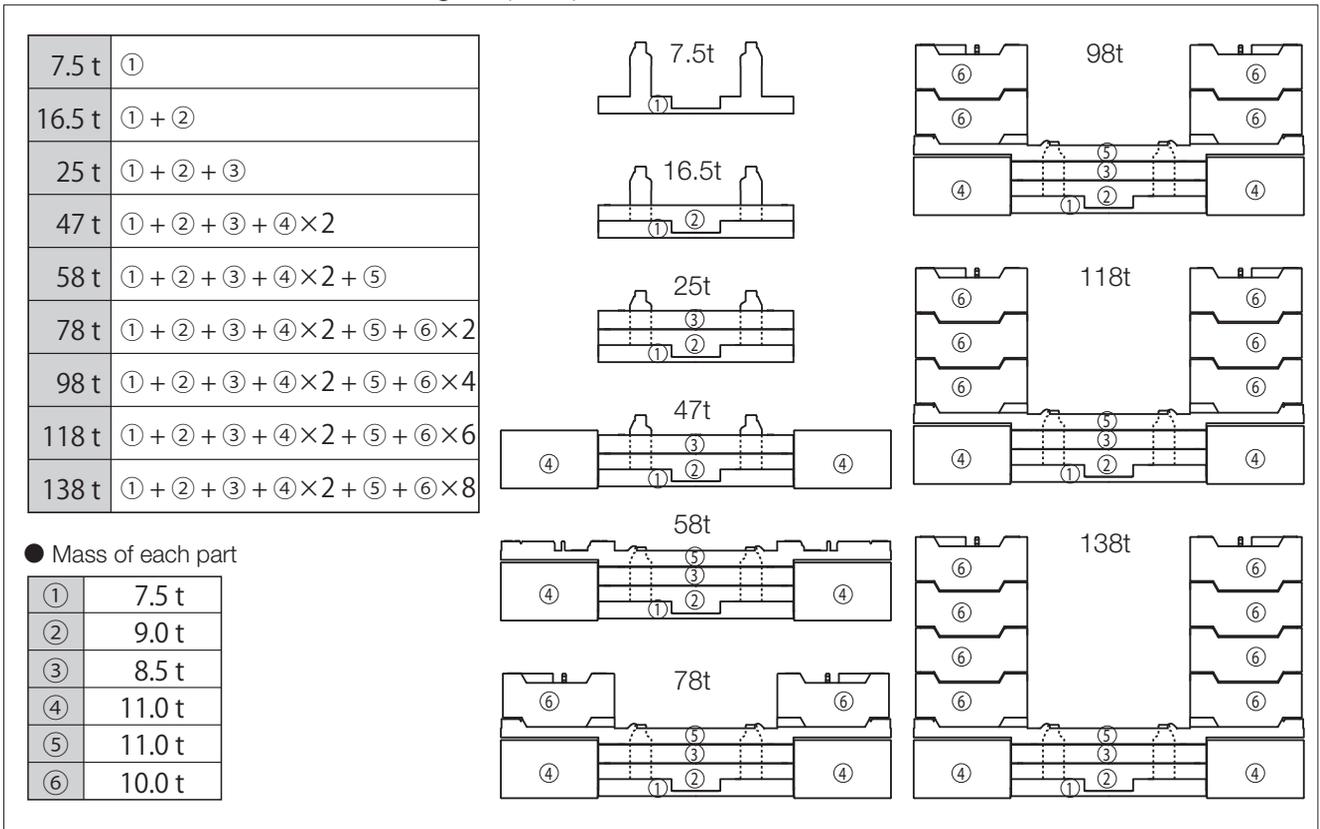
Installation

■ Outrigger extension width, tail swing

Unit (mm)

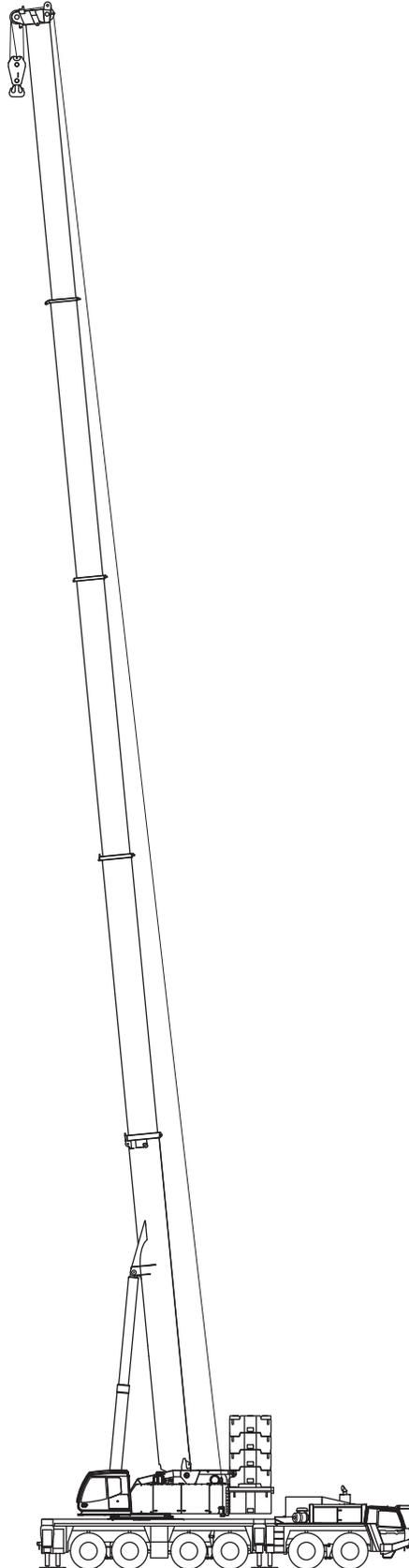


■ Combinations of counterweights (C/W)



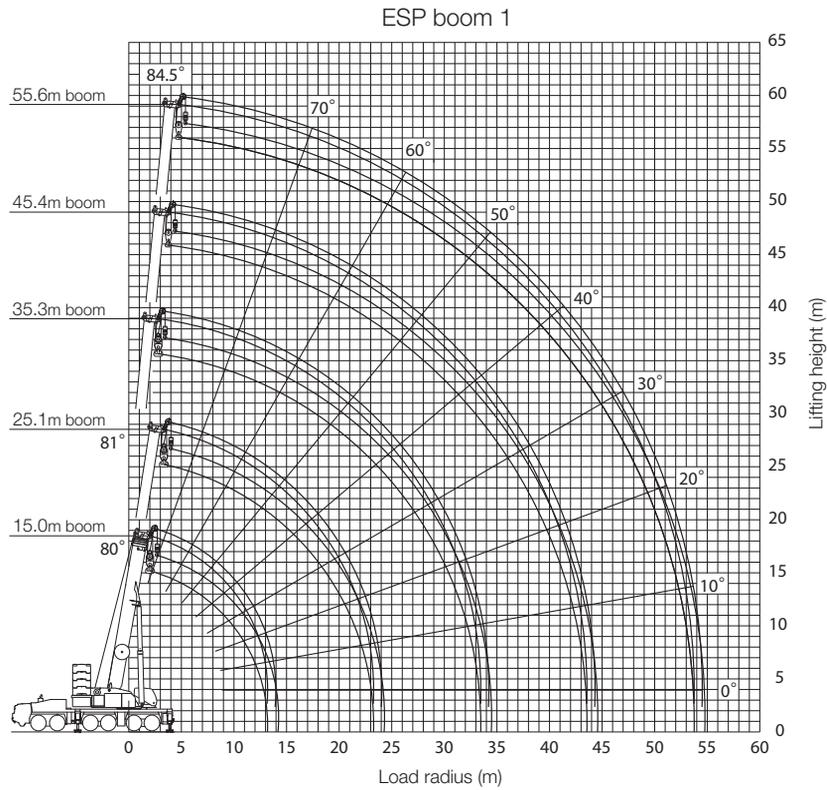
ALL TERRAIN CRANE
ATF360G-6
Easy Sky Pin Boom

ESP



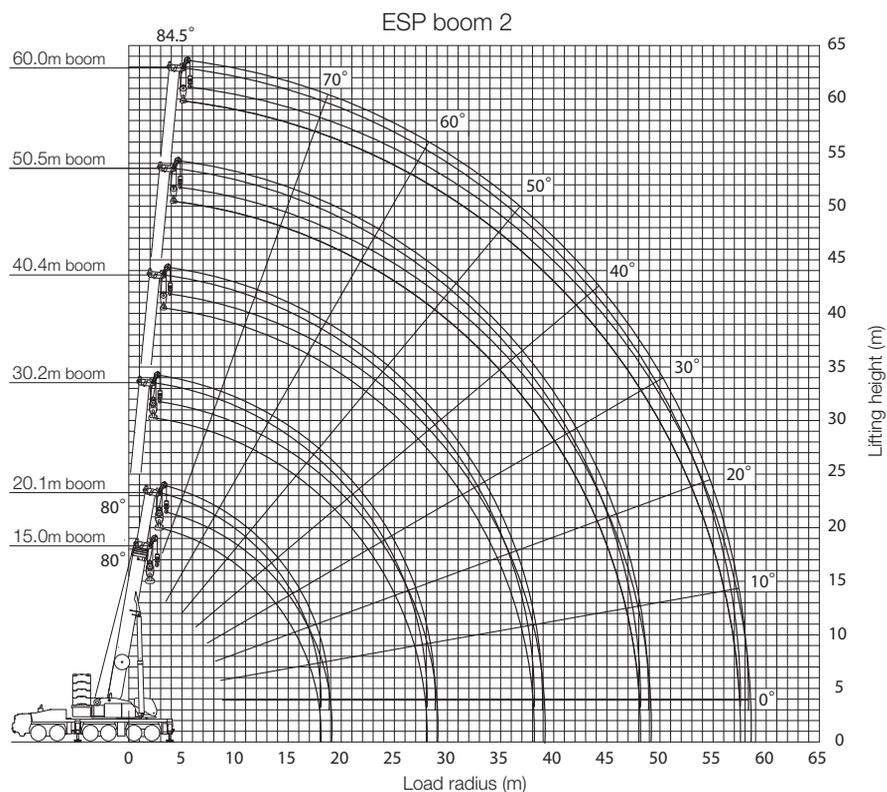
ESP Boom

Working range chart for ESP boom



(Note) 1. The above drawing does not consider any boom deflection.

2. The above drawing shows the maximum load radius for the capacities D, E, G, and H.



(Note) 1. The above drawing does not consider any boom deflection.

2. The above drawing shows the maximum load radius for the capacities D, E, G, and H.

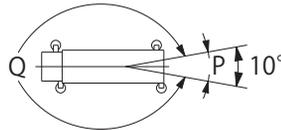
Rated lifting capacity table for ESP boom

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

Counterweight Outrigger extension width	138 t	118 t	98 t	78 t	58 t	47 t	25 t	16.5 t	7.5 t	0 t
8.5 m	A	B	D	E	F	G	I	J	K	M
8.0 m	/	C	D	E	F	G	I	J	K	M
6.8 m	/	/	/	F	G	H	J	K	L	N
5.5 m	/	/	/	/	/	I	K	L	M	O
2.7 m	/	/	/	/	/	/	/	/	/	P, Q

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

* The capacity classifications P and Q apply up to the 30.2m boom and the working area is as shown in the figure below.



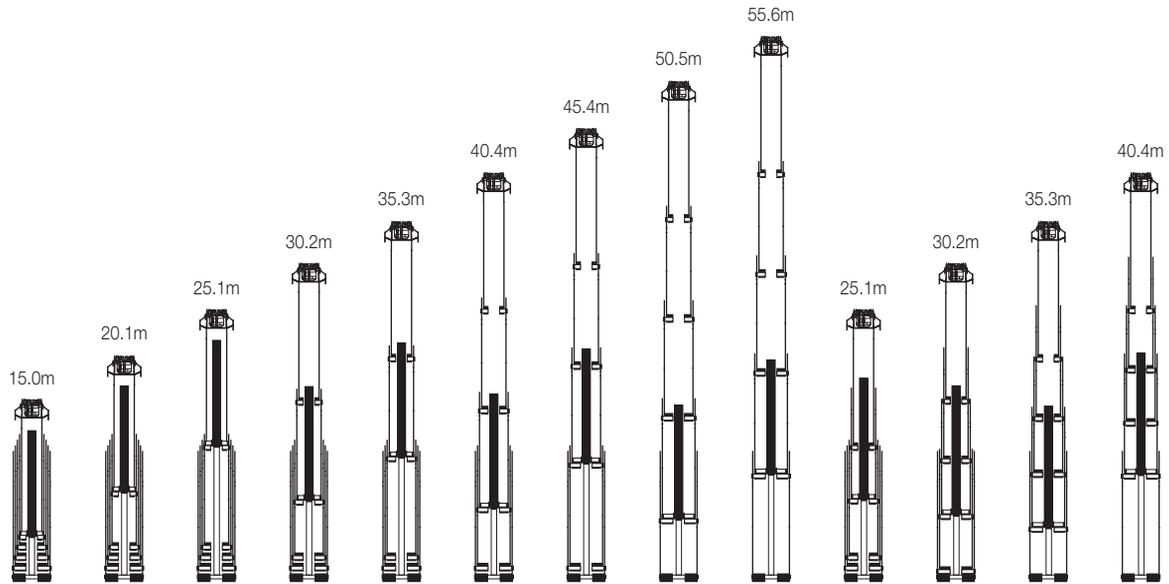
- The rated lifting capacity indicates the values including the mass of lifting devices and hook block (180t (170t) hook block: 3,200kg, 80t hook block: 1,270kg, 11.3t hook block: 440kg). The maximum hook block is designated as 180t hook block for specifications with heavy load lifting device and 170t hook block for specifications without heavy load lifting device.
- The rated lifting capacity is based on the actual load 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	16	14	13	11	9	8	7	6	5	4	3	1
Maximum load	157.3t	140.3t	131.5t	113.5t	94.7t	85.0t	75.1t	65.0t	54.7t	44.2t	33.5t	11.3t

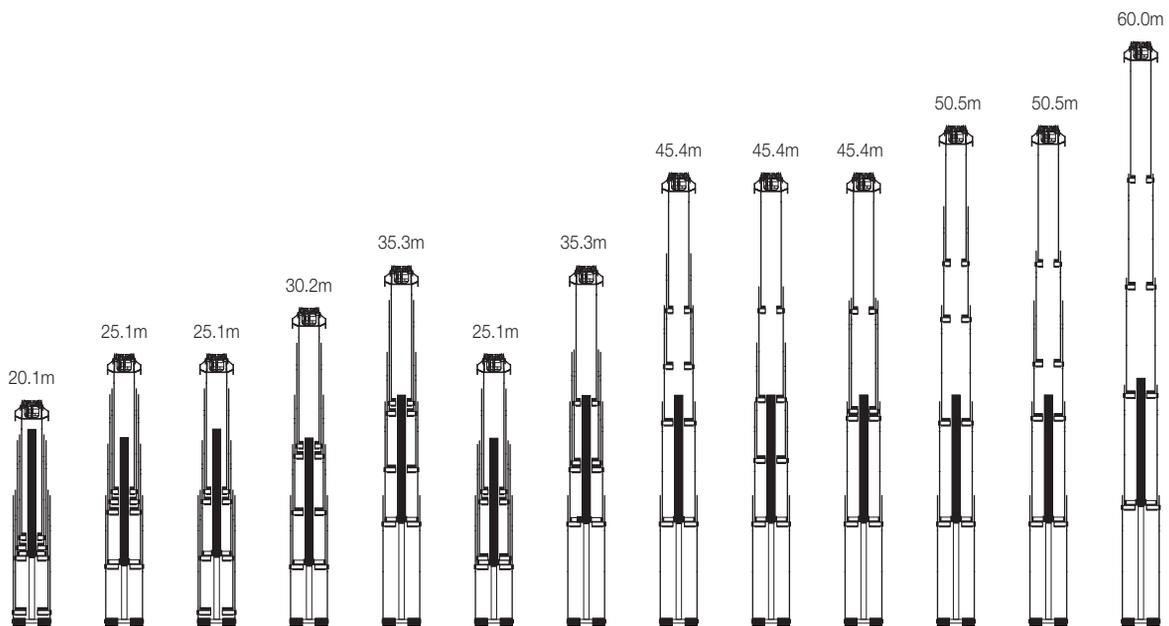
- When the single top is used, the number of parts of line is 1 (11.3t hook block used). The rated lifting capacity is the value obtained by subtracting the mass of the hook block attached to the boom from the boom rated lifting capacity, and the upper limit is 11.3t.
- The rated lifting capacity assumes 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 crane operation if the maximum instantaneous wind velocity is 10m/s or more.
- Values above the thick line in the rated lifting capacity table 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 aux. winch" indicates the standard number of parts of line when the auxiliary winch is used.
- "Standard number of parts of line with main winch" indicates the standard number of parts of line when the main winch is used. The number of parts of line may be fewer than that for the auxiliary winch due to the shorter length of wire rope.
- "Maximum load with main winch" indicates the upper limit of the rated lifting capacity when the main winch is used.

ESP Boom

Capacity block diagram



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



Capacity No.	14	15	16	17	18	19	20	21	22	23	24	25	26
Capacity block	3		4			5	6	7	8	9	10	11	12

Capacity A

5-section ESP boom

Unit: t

Capacity block Capacity No.	1	1	3	1	3	5	4	2	1	4	2	1	4	6	2	1	2	1	7	9	8	1	10	11	1	1	1	12	
Boom length (m)	1	1	14	2	15	19	16	10	3	17	11	4	18	20	12	5	13	6	21	23	22	7	24	25	8	9	26		
Load radius (m)	※15.0	15.0	20.1				25.1				30.2			35.3			40.4			45.4				50.5		55.6	60.0		
3.0	360.0																												
3.5	298.0																												
4.0	252.0																												
4.5	217.0																												
5.0	191.0																												
6.0	160.9																												
7.0	144.3	144.2	83.7		143.7	134.4	121.4	88.8	59.3																				
8.0	130.7	130.5	77.5		130.0	124.2	111.2	81.3	54.3	119.8	87.6	55.8																	
9.0	119.3	119.1	72.2		118.6	115.4	102.6	74.9	50.0	111.4	81.4	51.3	83.9	84.3	86.0	45.8													
10.0	109.5	109.3	67.6		108.9	107.8	94.7	69.5	46.3	104.1	76.1	47.4	76.3	76.8	80.8	42.3	73.7	45.2	63.4	60.3	56.6	46.7	48.3	47.8	43.5	40.0	30.7		
11.0	101.1	100.9	63.6		100.3	100.9	87.7	64.8	43.2	97.7	71.4	44.1	69.9	70.4	76.2	39.3	67.5	42.2	61.1	57.2	53.4	43.9	48.3	47.8	43.5	40.0	30.7		
12.0	86.6	82.8	60.2		82.2	82.8	81.7	60.7	40.4	92.1	67.2	41.2	64.4	64.9	72.1	36.6	62.2	39.6	57.6	54.5	50.6	41.4	48.3	47.8	42.8	40.0	30.7		
14.0		79.3	54.5		78.6	79.2	71.7	53.9	35.8	79.4	60.2	36.4	55.5	56.0	65.1	32.2	53.6	35.1	51.3	49.7	45.7	37.0	45.7	45.8	38.6	39.7	30.7		
16.0		66.7	50.2		68.1	68.7	63.9	48.5	32.2	68.9	54.6	32.6	48.5	49.0	59.5	28.7	46.9	31.6	44.8	45.1	41.7	33.5	41.3	41.5	35.2	36.3	30.7		
18.0		41.6	43.1		59.8	60.5	57.6	44.2	29.2	60.6	50.0	29.5	42.9	43.4	54.7	25.9	41.5	28.7	39.5	39.9	38.3	29.8	37.7	38.0	32.3	33.5	28.8		
20.0					52.4	53.1	51.7	40.5	26.3	53.9	45.2	26.6	38.3	38.8	50.7	23.6	37.1	26.2	35.3	35.6	35.5	26.7	34.1	34.5	29.8	31.1	26.1		
22.0					40.4	41.0	41.9	36.8	24.0	48.4	40.9	24.1	34.5	35.0	47.4	21.6	33.4	24.2	31.7	32.1	32.5	24.1	30.7	31.1	27.3	29.0	24.0		
24.0										43.7	37.3	22.1	31.3	31.8	44.4	19.9	30.3	22.4	28.7	29.1	29.5	21.9	27.9	28.2	24.9	27.1	22.1		
26.0										36.1	34.3	20.3	28.6	29.1	40.7	18.5	27.7	20.7	26.1	26.5	26.9	20.0	25.4	25.7	22.8	24.8	20.5		
28.0										23.5	25.1	18.9	26.2	26.7	36.9	17.3	25.4	19.0	23.9	24.3	24.7	18.4	23.2	23.5	21.0	22.7	19.3		
30.0													24.2	24.7	32.2	16.0	23.4	17.5	21.9	22.3	22.8	17.0	21.3	21.6	19.4	20.9	18.2		
32.0													22.5	23.0	25.2	14.9	21.6	16.2	20.2	20.6	21.1	15.7	19.6	20.0	18.0	19.3	17.3		
34.0																	20.1	15.1	18.7	19.1	19.6	14.6	18.1	18.5	16.8	17.9	16.5		
36.0																	18.7	14.1	17.4	17.7	18.2	13.6	16.8	17.1	15.7	16.7	15.6		
38.0																	15.1	13.3	16.2	16.5	17.0	12.8	15.6	16.0	14.7	15.5	14.6		
40.0																			15.1	15.5	15.9	12.0	14.6	14.9	13.8	14.5	13.7		
42.0																				14.1	14.5	15.0	11.3	13.6	13.9	13.1	13.5	12.9	
44.0																									12.7	13.1	12.3	12.7	12.2
46.0																									11.9	12.3	11.6	11.9	11.5
48.0																									10.7	10.9	11.0	11.2	10.7
50.0																											10.5	10.0	
52.0																											9.9	9.4	
54.0																												8.8	
56.0																												8.2	
58.0																												5.6	
Max. load without pin	—	62.0	65.4	70.3		61.8	60.6	68.2	50.4	60.8	64.3	55.8		53.3	60.9	45.8	52.2	45.2	49.5	53.5	46.7		45.2	43.5	40.0	30.7			
θ (°)	0 to 80	0 to 67	0 to 71			0 to 74				0 to 75						0 to 77			0 to 78			0 to 80			0 to 81		0 to 83	0 to 84.5	

Extension state (Extension ratio %)																												
Telescopic section 1	0	0	0	0	45	45	0	0	0	45	0	0	90	90	45	0	90	0	90	90	90	0	90	90	45	90	100	
Telescopic section 2	0	0	45	0	45	0	45	0	0	45	45	0	45	45	45	0	45	45	90	90	45	0	90	90	45	90	100	
Telescopic section 3	0	0	0	0	0	45	45	45	0	45	45	45	45	0	45	90	45	90	45	90	45	0	45	90	45	90	100	
Telescopic section 4	0	0	0	45	0	0	0	45	90	0	45	90	0	45	45	90	45	90	45	90	45	90	45	90	90	90	100	
Standard hook block	180t x2 (170t)	180t (170t)	180t (170t)		180t (170t)		80t		180t (170t)	80t		180t (170t)	80t		180t (170t)	80t	80t		80t		80t		80t		80t	80t	80t	
Hook block weight	3200kg x2	3200kg	3200kg		3200kg		1270kg		3200kg	1270kg		3200kg	1270kg		3200kg	1270kg	1270kg		1270kg		1270kg		1270kg		1270kg	1270kg	1270kg	
Standard number of parts of line with ax. wind	21	18	16	8	16	14	13	9	6	13	9	6	8	8	9	5	7	5	6	5	6	5	5	5	4	4	3	
Standard number of parts of line with rear wind	21	18	14	8				11		9	6		9	6		6	5		6	5		6	5	5	4	4	3	
Maximum load with main wind	—	160.9	140.3	83.7		113.5		88.8	59.3	94.7	87.6	55.8		83.9	84.3	85.0	45.8	65.0	45.2	63.4	60.3	56.6	46.7	48.3	47.8	43.5	40.0	30.7

Note) Counterweight 138t, outrigger extension width 8.5m The * mark indicates the value with heavy load lifting device and is limited to over-rear operations. (Specifications with heavy load lifting device only)

Capacity B

5-section ESP boom

Unit: t

Capacity block Capacity No.	1	3	1	3	5	4	2	1	4	2	1	4	6	2	1	2	1	7	9	8	1	10	11	1	1	1	12
Boom length (m)	1	14	2	15	19	16	10	3	17	11	4	18	20	12	5	13	6	21	23	22	7	24	25	8	9	26	
Load radius (m)	15.0	20.1				25.1				30.2			35.3			40.4			45.4				50.5		55.6	60.0	
3.0	170.0																										
3.5	170.0	170.0	117.6																								
4.0	170.0	170.0	111.1		157.0	139.0	139.0	116.6	82.5	131.0	119.4	85.5															
4.5	170.0	170.0	105.3		157.0	139.0	139.0	111.4	77.5	131.0	114.6	80.2															
5.0	170.0	170.0	100.1		157.0	139.0	139.0	106.6	73.0	131.0	110.2	75.5	109.8	109.4	100.9	67.9											
6.0	159.0	158.8	81.1		157.0	139.0	133.7	97.9	65.3	131.0	102.4	67.6	109.8	108.1	100.9	60.7	75.0	62.7									
7.0	142.6	142.4	83.7		142.0	134.4	121.4	88.8	59.3	129.5	94.9	61.1	103.9	101.6	98.7	54.8	75.0	57.2	63.4	62.7	60.3	51.3					
8.0	129.1	128.9	77.5		128.4	124.2	111.2	81.3	54.3	119.8	87.6	55.8	92.9	93.4	91.9	49.9	75.0	52.6	63.4	62.7	60.3	51.3	48.3	47.8	43.5		
9.0	117.7	117.5	72.2		117.0	115.4	102.6	74.9	50.0	111.4	81.4	51.3	83.9	84.3	86.0	45.8	75.0	48.6	63.4	62.7	60.1	50.0	48.3	47.8	43.5	40.0	
10.0	106.8	106.5	67.6		106.0	106.6	94.7	69.5	46.3	104.1	76.1	47.4	76.3	76.8	80.8	42.3	73.7	45.2	63.4	60.3	56.6	46.7	48.3	47.8	43.5	40.0	30.7
11.0	97.2	97.0	63.6		96.4	97.0	87.7	64.8	43.2	97.2	71.4	44.1	69.9														

ESP Boom

Capacity C

5-section ESP boom

Unit: t

Capacity block Capacity No.	1	3	1	3	5	4	2	1	4	2	1	4	6	2	1	2	1	7	9	8	1	10	11	1	1	12	
Boom length (m)	1	14	2	15	19	16	10	3	17	11	4	18	20	12	5	13	6	21	23	22	7	24	25	8	9	26	
Load radius (m)	15.0	20.1			25.1				30.2			35.3			40.4		45.4				50.5			55.6	60.0		
3.0	170.0																										
3.5	170.0	170.0	117.6																								
4.0	170.0	170.0	111.1	157.0	139.0	139.0	116.6	82.5	131.0	119.4	85.5																
4.5	170.0	170.0	105.3	157.0	139.0	139.0	111.4	77.5	131.0	114.6	80.2																
5.0	170.0	170.0	100.1	157.0	139.0	139.0	106.6	73.0	131.0	110.2	75.5	109.8	109.4	100.9	67.9												
6.0	159.0	158.8	91.1	157.0	139.0	133.7	97.9	65.5	131.0	102.4	67.6	109.8	108.1	100.9	60.7	75.0	62.7										
7.0	142.6	142.4	83.7	142.0	134.4	121.4	88.8	59.3	129.5	94.9	61.1	103.9	101.6	98.7	54.8	75.0	57.2	63.4	62.7	60.3	51.3						
8.0	128.2	128.0	77.5	127.5	124.2	111.2	81.3	54.3	119.8	87.6	55.8	92.9	93.4	91.9	49.9	75.0	52.6	63.4	62.7	60.3	51.3	48.3	47.8	43.5			
9.0	115.6	115.4	72.2	114.9	115.4	102.6	74.9	50.0	111.4	81.4	51.3	83.9	84.3	86.0	45.8	75.0	48.6	63.4	62.7	60.1	50.0	48.3	47.8	43.5	40.0		
10.0	104.8	104.6	67.6	104.0	104.6	94.7	69.5	46.3	104.1	76.1	47.4	76.3	76.8	80.8	42.3	73.7	45.2	63.4	60.3	56.6	46.7	48.3	47.8	43.5	40.0	30.7	
11.0	95.4	95.1	63.6	94.5	95.1	87.7	64.8	43.2	95.3	71.4	44.1	69.9	70.4	76.2	39.3	67.5	42.2	61.1	57.2	53.4	43.9	48.3	47.8	43.5	40.0	30.7	
12.0	86.6	87.1	60.2	86.5	87.1	81.7	60.7	40.4	87.3	67.2	41.2	64.4	64.9	72.1	36.6	62.2	39.6	57.6	54.5	50.6	41.4	48.3	47.8	42.8	40.0	30.7	
14.0		74.1	54.5	73.5	74.1	71.7	53.9	35.8	74.3	60.2	36.4	55.5	56.0	65.1	32.2	53.6	35.1	51.3	49.7	45.7	37.0	45.7	45.8	38.6	39.7	30.7	
16.0		64.2	50.2	63.5	64.1	63.9	48.5	32.2	64.3	54.6	32.6	48.5	49.0	59.5	28.7	46.9	31.6	44.8	45.1	41.7	33.5	41.3	41.5	35.2	36.3	30.7	
18.0		41.6	43.1	55.6	56.3	57.1	44.2	29.2	56.4	50.0	29.5	42.9	43.4	54.7	25.9	41.5	28.7	39.5	39.9	38.3	29.8	37.7	38.0	32.3	33.5	28.8	
20.0				49.3	49.9	50.7	40.5	26.3	50.0	45.2	26.6	38.3	38.8	50.7	23.6	37.1	26.2	35.3	35.6	35.5	26.7	34.1	34.5	29.8	31.1	26.1	
22.0				40.4	41.0	41.9	36.8	24.0	43.8	40.9	24.1	34.5	35.0	44.9	21.6	33.4	24.2	31.7	32.1	32.5	24.1	30.7	31.1	27.3	29.0	24.0	
24.0									38.7	37.3	22.1	31.3	31.8	39.7	19.9	30.3	22.4	28.7	29.1	29.5	21.9	27.9	28.2	24.9	27.1	22.1	
26.0									34.6	34.3	20.3	28.6	29.1	35.5	18.5	27.7	20.7	26.1	26.5	26.9	20.0	25.4	25.7	22.8	24.8	20.5	
28.0									23.5	25.1	18.9	26.2	26.7	32.0	17.3	25.4	19.0	23.9	24.3	24.7	18.4	23.2	23.5	21.0	22.7	19.3	
30.0												24.2	24.7	29.0	16.0	23.4	17.5	21.9	22.3	22.8	17.0	21.3	21.6	19.4	20.9	18.2	
32.0												22.5	23.0	25.2	14.9	21.6	16.2	20.2	20.6	21.1	15.7	19.6	20.0	18.0	19.3	17.3	
34.0																	20.1	15.1	18.7	19.1	19.6	14.6	18.1	18.5	16.8	17.9	16.5
36.0																	18.7	14.1	17.4	17.7	18.2	13.6	16.8	17.1	15.7	16.7	15.6
38.0																	15.1	13.3	16.2	16.5	17.0	12.8	15.6	16.0	14.7	15.5	14.6
40.0																		15.1	15.5	15.9	12.0	14.6	14.9	13.8	14.5	13.7	
42.0																			14.1	14.5	15.0	11.3	13.6	13.9	13.1	13.5	12.9
44.0																							12.7	13.1	12.3	12.7	12.2
46.0																							11.9	12.3	11.6	11.9	11.5
48.0																							10.7	10.9	11.0	11.2	10.7
50.0																										10.5	10.0
52.0																										9.9	9.4
54.0																											8.8
56.0																											8.2
58.0																											5.6
Max. load without pin θ (°)	62.0 0 to 76	65.4 0 to 79	70.3	61.8	60.6	68.2	50.4		60.8	64.3	67.0	53.3	60.9	52.0	52.2	62.1	49.5	53.5	51.3		45.2	43.5	40.0	30.7	0 to 84.5	0 to 84.5	

Note) Counterweight 118t, outrigger extension width 8.0m

Capacity D

5-section ESP boom

Unit: t

Capacity block Capacity No.	1	3	1	3	5	4	2	1	4	2	1	4	6	2	1	2	1	7	9	8	1	10	11	1	1	12
Boom length (m)	1	14	2	15	19	16	10	3	17	11	4	18	20	12	5	13	6	21	23	22	7	24	25	8	9	26
Load radius (m)	15.0	20.1			25.1				30.2			35.3			40.4		45.4				50.5			55.6	60.0	
3.0	170.0																									
3.5	170.0	170.0	117.6																							
4.0	170.0	170.0	111.1	157.0	139.0	139.0	116.6	82.5	131.0	119.4	85.5															
4.5	170.0	170.0	105.3	157.0	139.0	139.0	111.4	77.5	131.0	114.6	80.2															
5.0	170.0	170.0	100.1	157.0	139.0	139.0	106.6	73.0	131.0	110.2	75.5	109.8	109.4	100.9	67.9											
6.0	157.0	156.8	91.1	157.0	139.0	133.7	97.9	65.5	131.0	102.4	67.6	109.8	108.1	100.9	60.7	75.0	62.7									
7.0	139.2	139.0	83.7	138.5	134.4	121.4	88.8	59.3	129.5	94.9	61.1	103.9	101.6	98.7	54.8	75.0	57.2	63.4	62.7	60.3	51.3					
8.0	124.1	123.9	77.5	123.3	123.9	111.2	81.3	54.3	119.8	87.6	55.8	92.9	93.4	91.9	49.9	75.0	52.6	63.4	62.7	60.3	51.3	48.3	47.8	43.5		
9.0	110.9	110.7	72.2	110.1	110.7	102.6	74.9	50.0	110.9	81.4	51.3	83.9	84.3	86.0	45.8	75.0	48.6	63.4	62.7	60.1	50.0	48.3	47.8	43.5	40.0	
10.0	100.0	99.8	67.6	99.2	99.8	94.7	69.5	46.3	100.0	76.1	47.4	76.3	76.8	80.8	42.3	73.7	45.2	63.4	60.3	56.6	46.7	48.3	47.8	43.5	40.0	30.7
11.0	90.8	90.6	63.6	90.0	90.6	87.7	64.8	43.2	90.8	71.4	44.1	69.9	70.4	76.2	39.3	67.5	42.2	61.1	57.2	53.4	43.9	48.3	47.8	43.5	40.0	30.7
12.0	83.0	82.8	60.2	82.2	82.8	81.7	60.7	40.4	83.0	67.2	41.2	64.4	64.9	72.1	36.6	62.2	39.6	57.6	54.5	50.6	41.4	48.3	47.8	42.8	40.0	30.7
14.0		70.2	54.5	69.6	70.2	71.0	53.9	35.8	70.4	60.2	36.4	55.5	56.0	65.1	32.2	53.6	35.1	51.3	49.7	45.7	37.0	45.7	45.8	38.6	39.7	30.7
16.0		59.3	50.2	58.4	59.2	60.2	48.5	32.2	59.4	54.6	32.6	48.5	49.0	59.5	28.7	46.9	31.6	44.8	45.1	41.7	33.5	41.3	41.5	35.2	36.3	30.7
18.0		41.6	43.1	49.1	49.9	50.8	44.2	29.2	50.0	50.0	29.5	42.9	43.4	51.2	25.9	41.5	28.7	39.5	39.9	38.3	29.8	37.7	38.0	32.3	33.5	28.8
20.0				42.0	42.8	43.8	40.5	26.3	42.9	44.9	26.6	38.3	38.8	44.0	23.6	37.1	26.2	35.3	35.6	35.5	26.7	34.1	34.5	29.8	31.1	26.1
22.0				36.6	37.3	38.3	36.8	24.0	37.3	39.3	24.1	34.5	35.0	38.4	21.8	33.4	24.2	31.7	32.1	32.5	24.1	30.7	31.1	27.3	29.0	24.0
24.0									32.9	34.8	22.1	31.3	31.8	33.9	19.9	30.3	22.4	28.7	29.1	29.5	21.9	27.9	28.2	24.9	27.1	22.1
26.0		</																								

Capacity E

5-section ESP boom

Unit: t

Capacity block Capacity No.	1	3	1	3	5	4	2	1	4	2	1	4	6	2	1	2	1	7	9	8	1	10	11	1	1	12		
Boom length (m)	1	14	2	15	19	16	10	3	17	11	4	18	20	12	5	13	6	21	23	22	7	24	25	8	9	26		
Load radius (m)	15.0	20.1			25.1					30.2			35.3			40.4		45.4				50.5				60.0		
3.0	170.0																											
3.5	170.0	170.0	117.6																									
4.0	170.0	170.0	111.1	157.0	139.0	139.0	116.6	82.5																				
4.5	170.0	170.0	105.3	157.0	139.0	139.0	111.4	77.5	131.0	114.8	80.2																	
5.0	170.0	170.0	100.1	157.0	139.0	139.0	106.6	73.0	131.0	110.2	75.5	109.8	109.4	100.9	67.9													
6.0	153.0	152.8	91.1	152.3	139.0	133.7	97.9	65.5	131.0	102.4	67.6	109.8	108.1	100.9	60.7	75.0	62.7											
7.0	134.2	133.9	83.7	133.4	134.0	121.4	88.8	59.3	129.5	94.9	61.1	103.9	101.6	98.7	54.8	75.0	57.2	63.4	62.7	60.3	51.3							
8.0	118.3	118.1	77.5	117.5	118.1	111.2	81.3	54.3	118.4	87.6	55.8	92.9	93.4	91.9	49.9	75.0	52.6	63.4	62.7	60.3	51.3	48.3	47.8	43.5				
9.0	105.5	105.2	72.2	104.7	105.3	102.6	74.9	50.0	105.5	81.4	51.3	83.9	84.3	86.0	45.8	75.0	48.6	63.4	62.7	60.1	50.0	48.3	47.8	43.5	40.0			
10.0	94.9	94.6	67.6	94.0	94.6	94.7	69.5	46.3	94.9	76.1	47.4	76.3	76.8	80.8	42.3	73.7	45.2	63.4	60.3	56.6	46.7	48.3	47.8	43.5	40.0	30.7		
11.0	86.0	85.7	63.6	85.1	85.7	86.5	64.8	43.2	85.9	71.4	44.1	69.9	70.4	76.2	39.3	67.5	42.2	61.1	57.2	53.4	43.9	48.3	47.8	43.5	40.0	30.7		
12.0	77.2	76.8	60.2	75.9	76.8	77.9	60.7	40.4	77.1	67.2	41.2	64.4	64.9	72.1	36.6	62.2	39.6	57.6	54.5	50.6	41.4	48.3	47.8	43.5	40.0	30.7		
14.0	60.8	54.5	59.9	60.7	61.8	53.9	35.8	61.0	60.2	36.4	55.5	56.0	62.3	32.2	53.6	35.1	51.3	49.7	45.7	37.0	45.7	45.8	38.6	39.7	30.7			
16.0	49.8	50.2	48.9	49.7	50.7	48.5	32.2	49.9	52.0	32.6	48.5	49.0	51.1	28.7	46.9	31.6	44.8	45.1	41.7	33.5	41.3	41.5	35.2	36.3	30.7			
18.0		41.6	43.1	40.8	41.6	42.6	44.1	29.2	41.8	43.8	29.5	41.0	41.4	43.0	25.9	41.5	28.7	39.5	39.9	38.3	29.8	37.7	38.0	32.3	33.5	28.8		
20.0				34.8	35.6	36.5	37.9	26.3	35.7	37.6	26.6	34.8	35.3	36.8	23.6	36.2	26.2	35.3	35.6	35.5	26.7	34.1	34.5	29.8	31.1	26.1		
22.0				30.1	30.9	31.8	33.2	24.0	30.9	32.8	24.1	30.0	30.5	31.9	21.6	31.3	24.2	31.4	31.8	32.2	24.1	30.7	31.1	27.3	29.0	24.0		
24.0									27.0	28.9	22.1	26.1	26.6	28.0	19.9	27.4	22.4	27.5	27.8	28.2	21.9	27.9	28.2	24.9	27.1	22.1		
26.0									23.9	25.8	20.3	23.0	23.4	24.8	18.5	24.2	20.7	24.2	24.6	25.0	20.0	24.7	25.0	22.8	24.8	20.5		
28.0									21.4	23.3	18.9	20.3	20.7	22.2	17.3	21.5	19.0	21.5	21.9	22.3	18.4	22.0	22.3	21.0	22.7	19.3		
30.0															18.1	18.5	19.9	16.0	19.2	17.5	19.2	19.5	19.9	17.0	19.7	18.2		
32.0															16.2	16.6	18.1	14.9	17.2	16.2	17.2	17.6	18.0	15.7	17.7	18.0		
34.0																		15.5	15.1	15.5	15.8	16.2	14.6	15.9	16.2	16.6		
36.0																		14.0	14.1	14.0	14.3	14.7	13.6	14.4	14.7	15.6		
38.0																		12.8	13.3	12.7	13.0	13.4	12.8	13.0	13.3	14.3		
40.0																			11.5	11.8	12.2	12.0	11.8	12.1	13.1	12.4		
42.0																			10.5	10.8	11.2	11.3	10.8	11.1	12.0	11.4		
44.0																								9.8	10.1	11.1		
46.0																								8.9	9.2	10.2		
48.0																								8.0	8.4	9.5		
50.0																										8.7		
52.0																										7.9		
54.0																										7.2		
56.0																										6.5		
58.0																										5.9		
Max. load without pin θ (°)	62.0	65.4	70.3		61.8	60.6	68.2	50.4	60.8	64.3	67.0		53.3	60.9	52.0	52.2	62.1		49.5	53.5	51.3		45.2	43.5	40.0	30.7		
	0 to 80	0 to 80			0 to 81				0 to 84.5				0 to 84.5						0 to 84.5				0 to 84.5		40.0	30.7		
Extension state (Extension ratio %)																												
Telescopic section 1	0	0	0	45	45	0	0	0	45	0	0	90	90	45	0	90	0	90	90	0	90	90	0	90	90	45	90	100
Telescopic section 2	0	45	0	45	0	45	0	0	45	45	0	45	45	45	0	45	45	90	90	45	90	90	90	90	90	90	100	
Telescopic section 3	0	0	0	0	45	45	45	0	45	45	45	45	0	45	90	45	90	45	90	45	90	90	90	90	90	90	100	
Telescopic section 4	0	0	45	0	0	0	45	90	0	45	90	0	45	45	90	45	90	45	90	45	90	90	90	90	90	90	100	
Standard hook block	180t (170t)	180t (170t)			180t (170t)				180t (170t)			180t (170t)			80t	80t		80t										
Hook block weight	3200kg	3200kg			3200kg				3200kg			3200kg			1270kg	1270kg		1270kg										
Standard number of pins of the winch	18	18	13	16	14	13	8		13	9		11		7	7	6		6		5		5	4	4	3			
Standard number of pins of the main winch	18	14	13		11				9			8		7	6			6		5		5	4	4	3			
Maximum load with main winch	170.0	140.3	117.6		113.5				82.5	94.7	85.5		85.0	67.9	65.0	62.7	63.4	62.7	60.3	51.3	48.3	47.8	43.5	40.0	30.7			

Note) Counterweight 78t, outrigger extension width 8.5m, or counterweight 78t, outrigger extension width 8.0m

Capacity F

5-section ESP boom

Unit: t

Capacity block Capacity No.	1	3	1	3	5	4	2	1	4	2	1	4	6	2	1	2	1	7	9	8	1	10	11	1	1	12
Boom length (m)	1	14	2	15	19	16	10	3	17	11	4	18	20	12	5	13	6	21	23	22	7	24	25	8	9	26
Load radius (m)	15.0	20.1			25.1					30.2			35.3			40.4		45.4				50.5				60.0
3.0	170.0																									
3.5	170.0	170.0	117.6																							
4.0	170.0	170.0	111.1	157.0	139.0	139.0	116.6	82.5																		
4.5	170.0	170.0	105.3	157.0	139.0	139.0	111.4	77.5	131.0	114.8	80.2															
5.0	167.9	167.7	100.1	157.0	139.0	139.0	106.6	73.0	131.0	110.2	75.5	109.8	108.1	100.9	60.7	75.0	62.7									
6.0	145.2	144.9	91.1	144.4	139.0	133.7	97.9	65.5	131.0	102.4	67.6	109.8	108.1	100.9	60.7	75.0	62.7									
7.0	126.9	126.6	83.7	126.1	126.7	121.4	88.8	59.3	126.9	94.9	61.1	103.9	101.6	98.7	54.8	75.0	57.2	63.4	62.7	60.3	51.3					
8.0	111.6	111.3	77.5	110.8	111.4	111.2	81.3	54.3	111.6	87.6	55.8	92.9	93.4	91.9	49.9	75.0	52.6	63.4	62.7	60.3	51.3	48.3	47.8	43.5		
9.0	99.2	99.0	72.2	98.4	99.0	99.8	74.9	50.0	99.2	81.4	51.3	83.9	84.3	86.0	45.8	75.0	48.6	63.4	62.7	60.1	50.0	48.3	47.8	43.5	40.0	
10.0	84.9	84.5	67.6	83.6	84.5	85.8	69.5	46.3	84.9	76.1	47.4	76.3	76.8	80.8	42.3	73.7	45.2	63.4	60.3	56.6	46.7	48.3	47.8	43.5	40.0	30.7
11.0	72.8	72.4	63.6	71.5	72.4	73.5	64.8	43.2	72.7	71.4	44.1	69.9	70.4	74.2	39.3	67.5	42.2	61.1	57.2	53.4	43.9	48.3	47.8	43.5	40.0	30.7
12.0	63.4	63.0	60.2	62.1	63.0	64.1	60.7	40.4	63.3																	

Capacity M

5-section ESP boom

Unit: t

Capacity block	1								
Capacity No.	1	2	3	4	5	6	7	8	9
Boom length (m)	15.0	20.1	25.1	30.2	35.3	40.4	45.4	50.5	55.6
Load radius (m)									
3.0	170.0								
3.5	170.0	117.6							
4.0	155.1	111.1	82.5	85.5					
4.5	116.5	105.3	77.5	80.2					
5.0	88.3	91.1	73.0	75.5	67.9				
6.0	57.9	60.2	61.6	63.1	60.7	62.7			
7.0	41.9	43.9	45.2	46.4	46.4	47.0	46.5		
8.0	32.0	33.9	35.0	36.1	36.1	36.6	36.1	35.7	
9.0	25.2	27.0	28.1	29.1	29.1	29.6	29.1	28.7	28.0
10.0	20.4	22.1	23.1	24.0	24.1	24.5	24.0	23.6	22.9
11.0	16.7	18.3	19.3	20.2	20.2	20.6	20.2	19.8	19.1
12.0	13.9	15.4	16.3	17.2	17.2	17.6	17.2	16.8	16.1
14.0		11.2	12.0	12.8	12.8	13.1	12.7	12.4	11.7
16.0		8.2	9.0	9.8	9.8	10.0	9.6	9.3	8.7
18.0		5.9	6.6	7.4	7.4	7.7	7.2	6.8	
20.0			4.7	5.5	5.4	5.7	5.2		
22.0				3.2	3.9	3.8	4.0		
24.0					2.7	2.5	2.7		
Max. load without pin	62.0	70.3	50.4	67.0	52.0	62.1	46.5	35.7	28.0
θ (°)	0 to 80	0 to 80	0 to 81	0 to 84.5	0 to 84.5	62 to 84.5	68 to 84.5	73 to 84.5	
Extension state (Extension ratio %)									
Telescopic section 1	0	0	0	0	0	0	0	45	90
Telescopic section 2	0	0	0	0	0	45	90	90	90
Telescopic section 3	0	0	0	45	90	90	90	90	90
Telescopic section 4	0	45	90	90	90	90	90	90	90
Standard hook block	180t (170t)	180t (170t)	180t (170t)	180t (170t)	80t	80t	80t	80t	80t
Hook block weight	3200kg	3200kg	3200kg	3200kg	1270kg	1270kg	1270kg	1270kg	1270kg
Standard number of parts of the winch	18	13	8	9	7	6	5	4	3
Standard number of parts of the winch with	18	13	8	9	7	6	5	4	3
Maximum load with main winch	170.0	117.6	82.5	85.5	67.9	62.7	46.5	35.7	28.0

Note) Counterweight 7.5t, outrigger extension width 5.5m, or counterweight 0t, outrigger extension width 8.5m, or counterweight 0t, outrigger extension width 8.0m

Capacity N

5-section ESP boom

Unit: t

Capacity block	1								
Capacity No.	1	2	3	4	5	6	7	8	9
Boom length (m)	15.0	20.1	25.1	30.2	35.3	40.4	45.4	50.5	55.6
Load radius (m)									
3.0	170.0								
3.5	170.0	117.6							
4.0	163.8	111.1	82.5	85.5					
4.5	147.1	105.3	77.5	80.2					
5.0	100.8	100.1	73.0	75.5	67.9				
6.0	58.1	61.2	63.1	64.8	60.7	62.7			
7.0	39.1	41.6	43.2	44.6	44.7	45.3	44.7		
8.0	28.3	30.6	32.0	33.2	33.3	33.8	33.3	32.7	
9.0	21.5	23.6	24.8	25.9	26.0	26.4	25.9	25.4	24.6
10.0	16.7	18.6	19.8	20.9	20.9	21.3	20.8	20.4	19.6
11.0	13.2	15.0	16.1	17.1	17.1	17.5	17.1	16.6	15.9
12.0	10.6	12.3	13.3	14.2	14.3	14.6	14.2	13.7	13.0
14.0		8.4	9.3	10.1	10.2	10.5	10.0	9.6	9.0
16.0		5.6	6.6	7.4	7.4	7.6	7.2	6.8	
18.0		3.6	4.5	5.4	5.3	5.6	5.1		
20.0			2.8	3.7	3.6	3.8			
22.0				2.3	2.3				
Max. load without pin	62.0	70.3	50.4	67.0	52.0	62.1	44.7	32.7	24.6
θ (°)	0 to 80	0 to 80	0 to 81	0 to 84.5	0 to 84.5	46 to 84.5	57 to 84.5	65 to 84.5	75 to 84.5
Extension state (Extension ratio %)									
Telescopic section 1	0	0	0	0	0	0	0	45	90
Telescopic section 2	0	0	0	0	0	45	90	90	90
Telescopic section 3	0	0	0	45	90	90	90	90	90
Telescopic section 4	0	45	90	90	90	90	90	90	90
Standard hook block	180t (170t)	180t (170t)	180t (170t)	180t (170t)	80t	80t	80t	80t	80t
Hook block weight	3200kg	3200kg	3200kg	3200kg	1270kg	1270kg	1270kg	1270kg	1270kg
Standard number of parts of the winch	18	13	8	9	7	6	5	3	3
Standard number of parts of the winch with	18	13	8	9	7	6	5	3	3
Maximum load with main winch	170.0	117.6	82.5	85.5	67.9	62.7	44.7	32.7	24.6

Note) Counterweight 0t, outrigger extension width 6.8m

Capacity O

5-section ESP boom

Unit: t

Capacity block	1							
Capacity No.	1	2	3	4	5	6	7	8
Boom length (m)	15.0	20.1	25.1	30.2	35.3	40.4	45.4	50.5
Load radius (m)								
3.0	170.0							
3.5	165.8	117.6						
4.0	109.1	111.1	82.5	85.5				
4.5	75.0	78.5	77.5	80.2				
5.0	56.0	59.0	60.9	62.6	62.7			
6.0	35.6	38.0	39.6	40.9	41.0	41.6		
7.0	24.8	27.0	28.3	29.5	29.6	30.0	29.5	
8.0	18.1	20.1	21.3	22.4	22.5	22.9	22.4	21.9
9.0	13.6	15.5	16.6	17.6	17.6	18.0	17.6	17.1
10.0	10.3	12.1	13.2	14.1	14.2	14.5	14.1	13.6
11.0	7.8	9.6	10.6	11.5	11.5	11.8	11.4	11.0
12.0	5.7	7.6	8.6	9.4	9.4	9.8	9.4	9.0
14.0		4.5	5.6	6.4	6.4	6.7	6.3	
16.0		2.3	3.3	4.2	4.2	4.5		
18.0				2.5				
Max. load without pin	62.0	70.3	50.4	67.0	52.0	41.6	29.5	21.9
θ (°)	0 to 80	0 to 80	0 to 81	47 to 84.5	59 to 84.5	64 to 84.5	70 to 84.5	75 to 84.5
Extension state (Extension ratio %)								
Telescopic section 1	0	0	0	0	0	0	0	45
Telescopic section 2	0	0	0	0	0	45	90	90
Telescopic section 3	0	0	0	45	90	90	90	90
Telescopic section 4	0	45	90	90	90	90	90	90
Standard hook block	180t (170t)	180t (170t)	180t (170t)	180t (170t)	80t	80t	80t	80t
Hook block weight	3200kg	3200kg	3200kg	3200kg	1270kg	1270kg	1270kg	1270kg
Standard number of parts of the winch	18	13	8	9	6	4	3	3
Standard number of parts of the winch with	18	13	8	9	6	4	3	3
Maximum load with main winch	170.0	117.6	82.5	85.5	62.7	41.6	29.5	21.9

Note) Counterweight 0t, outrigger extension width 5.5m

Capacity P

5-section ESP boom

Unit: t

Capacity block	1			
Capacity No.	1	2	3	4
Boom length (m)	15.0	20.1	25.1	30.2
Load radius (m)				
3.0	25.0			
3.5	25.0	25.0		
4.0	25.0	25.0	25.0	25.0
4.5	25.0	25.0	25.0	25.0
5.0	25.0	25.0	25.0	25.0
6.0	25.0	25.0	25.0	25.0
7.0	25.0	25.0	25.0	25.0
8.0	25.0	25.0	25.0	25.0
9.0	25.0	25.0	25.0	25.0
10.0	25.0	25.0	25.0	25.0
11.0	19.3	21.6	23.0	24.2
12.0	15.1	17.3	18.5	19.7
14.0		11.5	12.6	13.6
16.0		8.0	8.9	9.8
18.0		5.6	6.4	7.2
20.0			4.5	5.3
22.0			3.0	3.7
24.0				2.5
Max. load without pin	25.0	25.0	25.0	25.0
θ (°)	0 to 80	0 to 80	0 to 81	0 to 84.5
Extension state (Extension ratio %)				
Telescopic section 1	0	0	0	0
Telescopic section 2	0	0	0	0
Telescopic section 3	0	0	0	45
Telescopic section 4	0	45	90	90
Standard hook block	80t	80t	80t	80t
Hook block weight	1270kg	1270kg	1270kg	1270kg
Standard number of parts of the winch	3	3	3	3
Standard number of parts of the winch with	3	3	3	3
Maximum load with main winch	25.0	25.0	25.0	25.0

Note) Counterweight 0t, outrigger extension width 2.7m, rear only

Capacity Q

5-section ESP boom

Unit: t

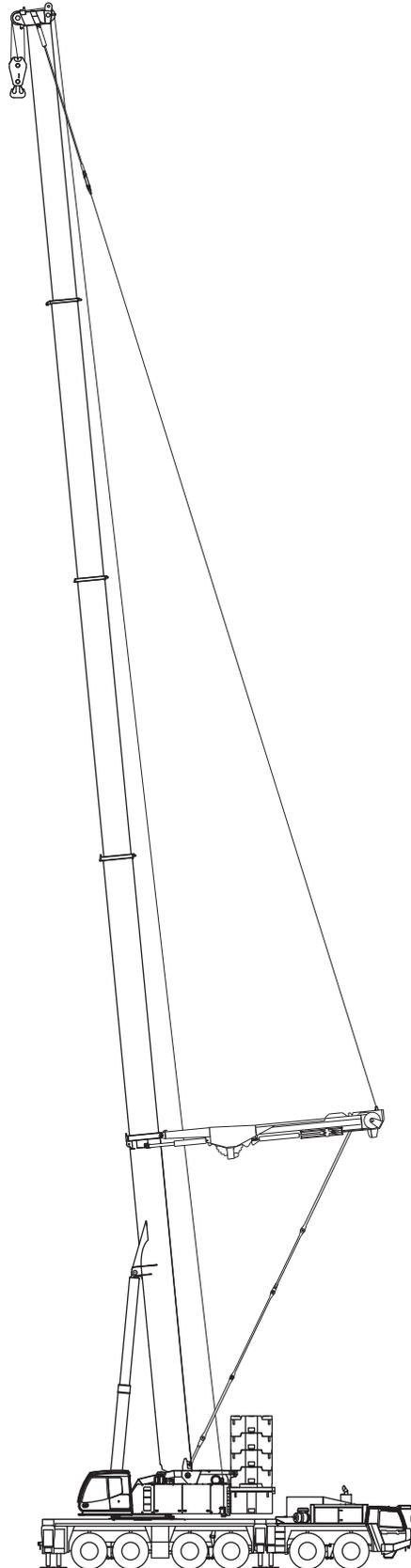
Capacity block	1			
Capacity No.	1	2	3	4
Boom length (m)	15.0	20.1	25.1	30.2
Load radius (m)				
3.0	25.0			
3.5	25.0	25.0		
4.0	22.4	24.5	25.0	25.0
4.5	17.2	19.2	20.4	21.5
5.0	13.5	15.3	16.5	17.5
6.0	8.3	10.1	11.1	12.1
7.0	4.8	6.7	7.7	8.6
Max. load without pin	25.0	25.0	25.0	25.0
θ (°)	49 to 80	61 to 80	68 to 81	72 to 84.5
Extension state (Extension ratio %)				
Telescopic section 1	0	0	0	0
Telescopic section 2	0	0	0	0
Telescopic section 3	0	0	0	45
Telescopic section 4	0	45	90	90
Standard hook block	80t	80t	80t	80t
Hook block weight	1270kg	1270kg	1270kg	1270kg
Standard number of parts of the winch	3	3	3	3
Standard number of parts of the winch with	3	3	3	3
Maximum load with main winch	25.0	25.0	25.0	25.0

Note) Counterweight 0t, outrigger extension width 2.7m

ALL TERRAIN CRANE

ATF360G-6

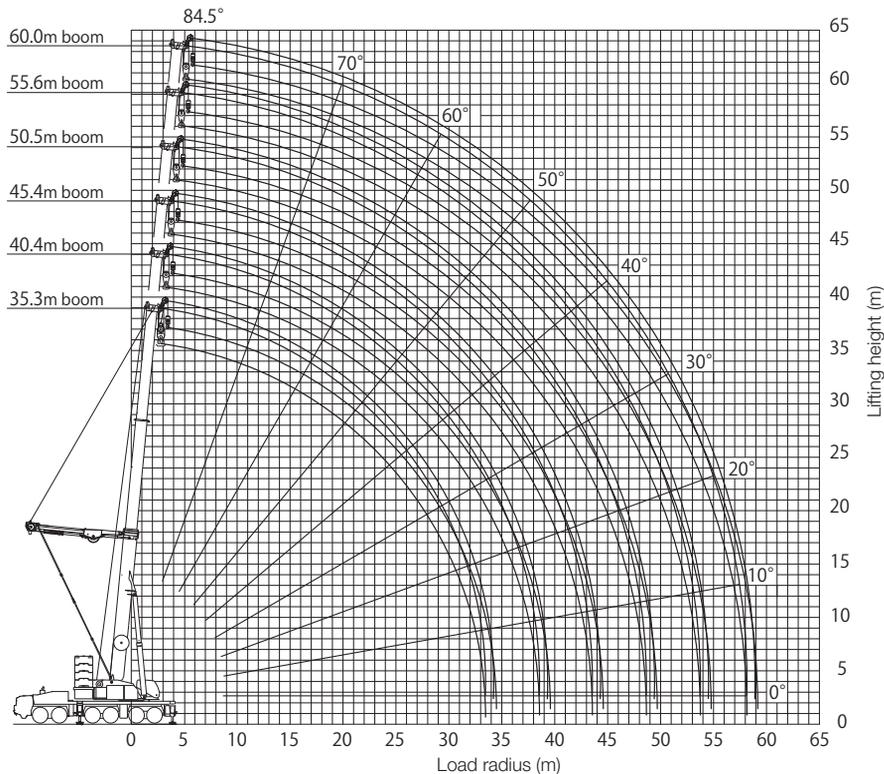
TRA + Easy Sky Pin Boom



TRA
+ESP

TRA + ESP Boom

Working range chart for TRA + ESP boom



(Note) 1. The above drawing does not consider any boom deflection.
2. The above drawing shows the maximum load radius for the capacity TE.

Rated lifting capacity table for TRA + ESP boom

1. Capacity classifications TA to TF of the rated lifting capacity table are as follows in the table below.

Counterweight Outrigger extension width	138 t	118 t	98 t	78 t	58 t
8.5 m	TA	TB	TD	TE	TF
8.0 m		TC	TD	TE	TF
6.8 m				TF	

- The rated lifting capacity indicates the values including the mass of lifting devices and hook block (180 t hook block (170t hook block): 3,200 kg, 80 t hook block: 1,270 kg, 11.3 t hook block: 440 kg). The maximum hook block is designated as 180t hook block for specifications with heavy load lifting device and 170t hook block for specifications without heavy load lifting device.
- The rated lifting capacity is based on the actual load radius considering boom deflection.
- The extension state (extension ratio %) of each telescopic section at various boom lengths is as follows in the table below.

Boom length	35.3 m	40.4 m	45.4 m	50.5 m	55.6 m	60.0 m
Telescopic section 1	90	90	90	90	90	100
Telescopic section 2	90	90	90	90	90	100
Telescopic section 3	0	45	90	90	90	100
Telescopic section 4	0	0	0	45	90	100

- When the boom length is less than 35.3m, the capacity setting is not made.
Also, when the B-pins (boom fixing pins) are not inserted, operation is not allowed.

6. 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	9	8	7	6	5	4	3	1
Maximum load	94.7t	85.0t	75.1t	65.0t	54.7t	44.2t	33.5t	11.3t

- When the single top is used, the number of parts of line is 1 (11.3t 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 11.3t.
- 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.
- Values above the thick line in the rated lifting capacity table 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.
- " θ " indicates the boom angle range in which no-load operation is enabled.
- "Standard number of parts of line with aux. winch" indicates the standard number of parts of line when the auxiliary winch is used.
- "Standard number of parts of line with main winch" indicates the standard number of parts of line when the main winch is used. The number of parts of line may be fewer than that for the auxiliary winch due to the shorter length of wire rope.
- "Maximum load with main winch" indicates the upper limit of the rated lifting capacity when the main winch is used.

TA capacity

TRA + ESP boom

Unit: t

Boom length (m) Load radius (m)	35.3	40.4	45.4	50.5	55.6	60.0
10.0	96.4	75.0				
11.0	88.9	75.0	65.0	51.0	41.6	32.4
12.0	82.4	75.0	65.0	51.0	41.6	32.4
14.0	71.1	71.3	65.0	51.0	41.6	32.4
16.0	62.2	62.6	62.4	49.4	41.5	32.4
18.0	54.9	55.4	55.4	46.9	41.5	32.4
20.0	48.7	49.5	49.6	44.8	39.9	32.0
22.0	43.3	44.4	44.7	42.8	38.0	30.5
24.0	38.4	40.0	40.5	41.0	36.4	29.1
26.0	33.8	35.9	36.7	37.4	34.9	27.8
28.0	29.2	32.3	33.4	34.2	33.6	26.6
30.0	24.1	28.7	30.3	31.3	31.9	25.6
32.0	17.6	25.2	27.4	28.7	29.4	24.7
34.0		21.5	24.7	26.3	27.2	23.2
36.0		17.0	21.9	24.0	25.1	21.4
38.0		9.8	19.0	21.7	23.1	19.6
40.0			15.8	19.5	21.2	18.1
42.0			11.5	17.2	19.4	16.7
44.0				14.7	17.5	15.4
46.0				11.7	15.7	14.2
48.0				6.9	13.7	13.1
50.0					11.4	12.1
52.0					8.3	10.8
54.0						9.0
56.0						6.7
θ (°)	0 to 76	0 to 77	0 to 78	0 to 80	0 to 81	0 to 81
Standard hook block	180t (170t)	80t	80t	80t	80t	80t
Hook block weight	3200kg	1270kg	1270kg	1270kg	1270kg	1270kg
Standard number of parts of line with aux. winch	11	7	6	5	4	3
Standard number of parts of line with main winch	8	6	6	5	4	3
Maximum load with main winch	85.0	65.0	65.0	51.0	41.6	32.4

Note) Counterweight 138t, outrigger extension width 8.5m

TB capacity

TRA + ESP boom

Unit: t

Boom length (m) Load radius (m)	35.3	40.4	45.4	50.5	55.6	60.0
7.0	109.8					
8.0	109.8	75.0	65.0	51.0	41.8	
9.0	105.0	75.0	65.0	51.0	41.7	32.4
10.0	96.4	75.0	65.0	51.0	41.7	32.4
11.0	88.9	75.0	65.0	51.0	41.6	32.4
12.0	82.4	75.0	65.0	51.0	41.6	32.4
14.0	71.1	71.3	65.0	51.0	41.5	32.4
16.0	62.2	62.6	62.4	49.4	41.5	32.4
18.0	54.0	55.2	55.4	46.9	41.5	32.4
20.0	47.4	48.6	49.4	44.8	39.9	32.0
22.0	41.9	43.2	44.0	42.8	38.0	30.5
24.0	36.5	37.9	38.9	40.0	36.4	29.1
26.0	32.0	33.4	34.3	35.4	34.9	27.8
28.0	28.2	29.6	30.5	31.6	32.4	26.6
30.0	24.1	26.3	27.3	28.3	29.2	25.6
32.0	17.6	23.5	24.5	25.5	26.4	24.7
34.0		21.1	22.0	23.1	23.9	23.2
36.0		17.0	19.9	20.9	21.8	21.4
38.0		9.8	18.0	19.0	19.9	19.6
40.0			15.8	17.3	18.2	18.1
42.0			11.5	15.8	16.6	16.7
44.0				14.4	15.3	15.4
46.0				11.7	14.0	14.2
48.0				6.9	12.9	13.1
50.0					11.4	12.1
52.0					8.3	10.8
54.0						9.0
56.0						6.7
θ (°)	0 to 81	0 to 81	0 to 82	0 to 83	0 to 84	0 to 84
Standard hook block	180t (170t)	80t	80t	80t	80t	80t
Hook block weight	3200kg	1270kg	1270kg	1270kg	1270kg	1270kg
Standard number of parts of line with aux. winch	11	7	6	5	4	3
Standard number of parts of line with main winch	8	6	6	5	4	3
Maximum load with main winch	85.0	65.0	65.0	51.0	41.8	32.4

Note) Counterweight 118t, outrigger extension width 8.5m

TC capacity

TRA + ESP boom

Unit: t

Boom length (m) Load radius (m)	35.3	40.4	45.4	50.5	55.6	60.0
7.0	109.8					
8.0	109.8	75.0	65.0	51.0		
9.0	105.0	75.0	65.0	51.0	41.7	32.4
10.0	96.4	75.0	65.0	51.0	41.7	32.4
11.0	88.9	75.0	65.0	51.0	41.6	32.4
12.0	82.4	75.0	65.0	51.0	41.6	32.4
14.0	70.9	71.3	65.0	51.0	41.5	32.4
16.0	60.8	62.0	62.4	49.4	41.5	32.4
18.0	52.8	54.0	54.8	46.9	41.5	32.4
20.0	46.3	47.5	48.3	44.8	39.9	32.0
22.0	40.9	42.1	42.9	42.8	38.0	30.5
24.0	36.4	37.6	38.4	39.3	36.4	29.1
26.0	32.0	33.4	34.3	35.4	34.9	27.8
28.0	28.2	29.6	30.5	31.6	32.4	26.6
30.0	24.1	26.3	27.3	28.3	29.2	25.6
32.0	17.6	23.5	24.5	25.5	26.4	24.7
34.0		21.1	22.0	23.1	23.9	23.2
36.0		17.0	19.9	20.9	21.8	21.4
38.0		9.8	18.0	19.0	19.9	19.6
40.0			15.8	17.3	18.2	18.1
42.0			11.5	15.8	16.6	16.7
44.0				14.4	15.3	15.4
46.0				11.7	14.0	14.2
48.0				6.9	12.9	13.1
50.0					11.4	12.1
52.0					8.3	10.8
54.0						9.0
56.0						6.7
θ (°)	0 to 80	0 to 81	0 to 82	0 to 83	0 to 83	0 to 84
Standard hook block	180t (170t)	80t	80t	80t	80t	80t
Hook block weight	3200kg	1270kg	1270kg	1270kg	1270kg	1270kg
Standard number of parts of line with aux. winch	11	7	6	5	4	3
Standard number of parts of line with main winch	8	6	6	5	4	3
Maximum load with main winch	85.0	65.0	65.0	51.0	41.7	32.4

Note) Counterweight 118t, outrigger extension width 8.0m

TD capacity

TRA + ESP boom

Unit: t

Boom length (m) Load radius (m)	35.3	40.4	45.4	50.5	55.6	60.0
5.0	109.8					
6.0	109.8	75.0				
7.0	109.8	75.0	65.0			
8.0	109.8	75.0	65.0	51.0	41.8	
9.0	105.0	75.0	65.0	51.0	41.7	32.4
10.0	96.4	75.0	65.0	51.0	41.7	32.4
11.0	87.8	75.0	65.0	51.0	41.6	32.4
12.0	79.9	75.0	65.0	51.0	41.6	32.4
14.0	67.2	68.4	65.0	51.0	41.5	32.4
16.0	57.4	58.6	59.4	49.4	41.5	32.4
18.0	49.1	50.7	51.7	46.9	41.5	32.4
20.0	41.5	43.0	44.0	44.8	39.9	32.0
22.0	35.5	36.9	37.9	39.0	38.0	30.5
24.0	30.6	32.1	33.0	34.1	35.0	29.1
26.0	26.6	28.0	29.0	30.0	30.9	27.8
28.0	23.3	24.7	25.6	26.6	27.5	26.6
30.0	20.4	21.8	22.7	23.8	24.6	24.9
32.0	17.6	19.3	20.2	21.3	22.1	22.4
34.0		17.1	18.1	19.1	20.0	20.2
36.0		15.2	16.2	17.2	18.1	18.3
38.0		9.8	14.5	15.5	16.4	16.6
40.0			13.0	14.0	14.9	15.1
42.0			11.5	12.7	13.5	13.8
44.0				11.5	12.3	12.5
46.0				10.4	11.2	11.4
48.0				6.9	10.2	10.4
50.0					9.3	9.5
52.0					8.3	8.6
54.0						7.7
56.0						6.7
θ (°)	0 to 84	0 to 84	0 to 84.5	0 to 84.5	0 to 84.5	0 to 84.5
Standard hook block	180t (170t)	80t	80t	80t	80t	80t
Hook block weight	3200kg	1270kg	1270kg	1270kg	1270kg	1270kg
Standard number of parts of line with aux. winch	11	7	6	5	4	3
Standard number of parts of line with main winch	8	6	6	5	4	3
Maximum load with main winch	85.0	65.0	65.0	51.0	41.8	32.4

Note) Counterweight 98t, outrigger extension width 8.5m, or counterweight 98t, outrigger extension width 8.0m

TE capacity

TRA + ESP boom

Unit: t

Boom length (m) Load radius (m)	35.3	40.4	45.4	50.5	55.6	60.0	
5.0	109.8						
6.0	109.8	75.0					
7.0	109.8	75.0	65.0				
8.0	109.8	75.0	65.0	51.0	41.8		
9.0	102.8	75.0	65.0	51.0	41.7	32.4	
10.0	92.1	75.0	65.0	51.0	41.7	32.4	
11.0	83.1	75.0	65.0	51.0	41.6	32.4	
12.0	75.5	75.0	65.0	51.0	41.6	32.4	
14.0	61.6	63.2	64.3	51.0	41.5	32.4	
16.0	49.6	51.2	52.3	49.4	41.5	32.4	
18.0	40.9	42.4	43.4	44.6	41.5	32.4	
20.0	34.2	35.7	36.7	37.8	38.8	32.0	
22.0	29.0	30.5	31.4	32.5	33.5	30.5	
24.0	24.8	26.2	27.2	28.2	29.1	29.1	
26.0	21.3	22.7	23.6	24.7	25.6	25.9	
28.0	18.4	19.8	20.7	21.7	22.6	22.9	
30.0	15.9	17.2	18.2	19.2	20.1	20.4	
32.0	13.7	15.1	16.0	17.0	17.9	18.2	
34.0		13.2	14.1	15.2	16.0	16.3	
36.0		11.5	12.5	13.5	14.3	14.6	
38.0		9.7	11.0	12.0	12.9	13.1	
40.0			9.4	10.7	11.5	11.8	
42.0			8.1	9.4	10.4	10.6	
44.0				8.2	9.2	9.5	
46.0				7.1	8.1	8.4	
48.0					6.0	7.1	7.4
50.0						6.2	6.5
52.0						5.3	5.6
54.0							4.8
56.0							4.1
θ (°)	0 to 84.5	0 to 84.5	0 to 84.5	0 to 84.5	0 to 84.5	0 to 84.5	
Standard hook block	180t (170t)	80t	80t	80t	80t	80t	
Hook block weight	3200kg	1270kg	1270kg	1270kg	1270kg	1270kg	
Standard number of parts of line with aux. winch	11	7	6	5	4	3	
Standard number of parts of line with main winch	8	6	6	5	4	3	
Maximum load with main winch	85.0	65.0	65.0	51.0	41.8	32.4	

Note) Counterweight 78t, outrigger extension width 8.5m, or counterweight 78t, outrigger extension width 8.0m

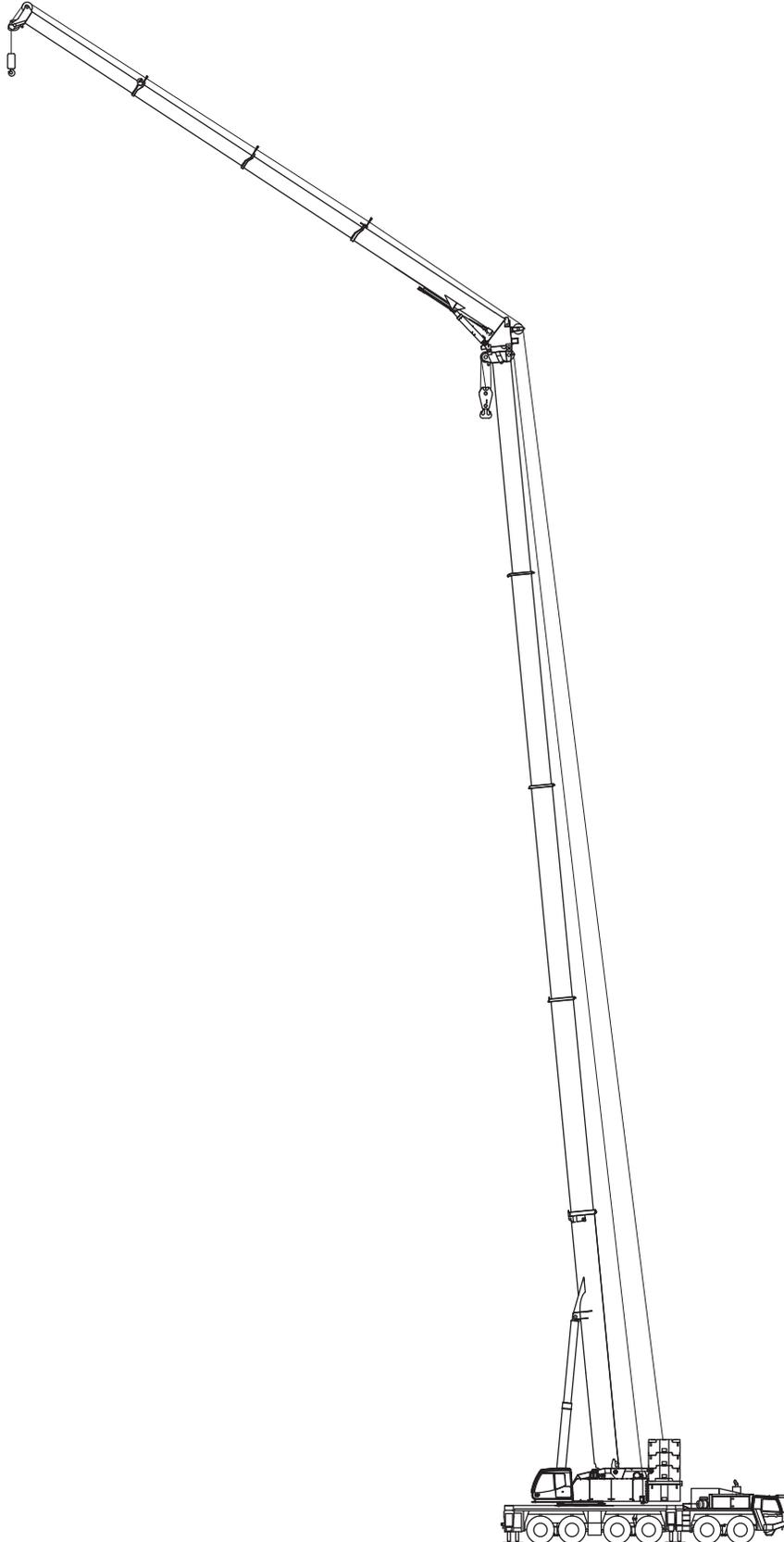
TF capacity

TRA + ESP boom

Unit: t

Boom length (m) Load radius (m)	35.3	4
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ALL TERRAIN CRANE
ATF360G-6
Full Automatic Luffing Jib

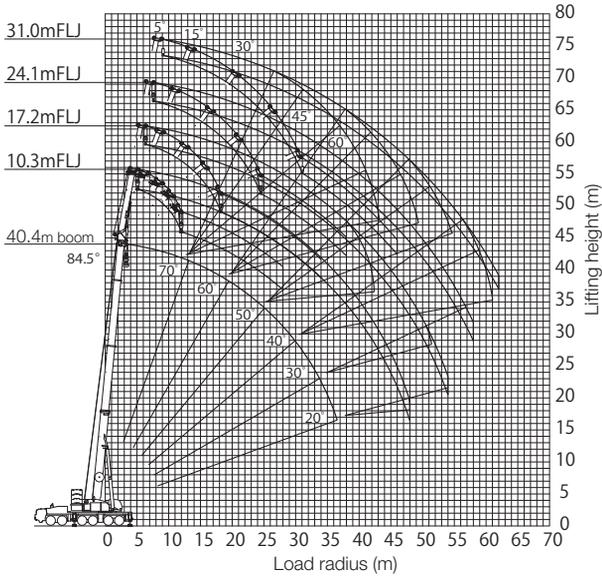


FD

Full Automatic Luffing Jib

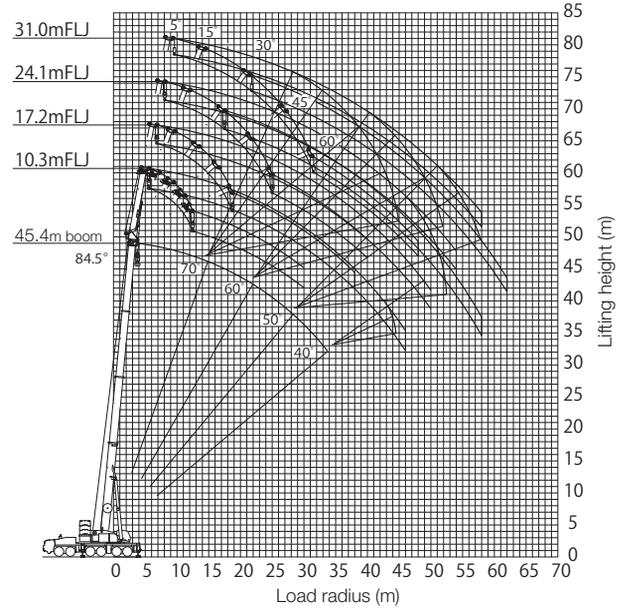
Working range chart for full automatic luffing jib (FLJ)

40.4m boom + 1.6m + full automatic luffing jib



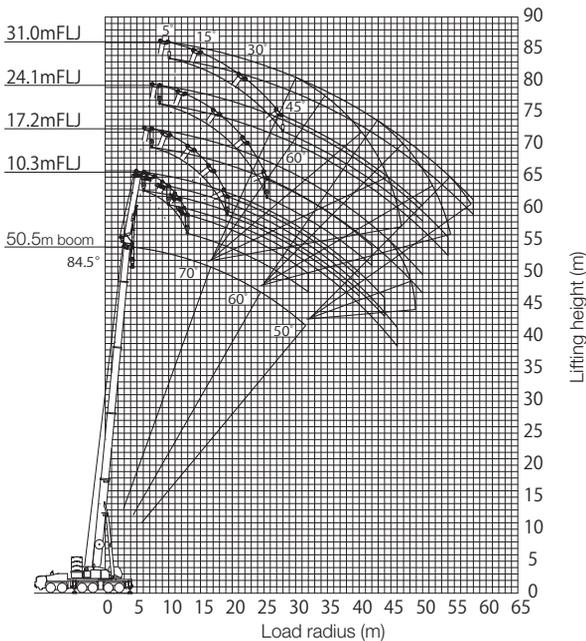
(Note) 1. The above drawing does not consider any boom and jib deflection.
2. The above drawing shows the maximum load radius for the capacity FC.

45.4m boom + 1.6m + full automatic luffing jib



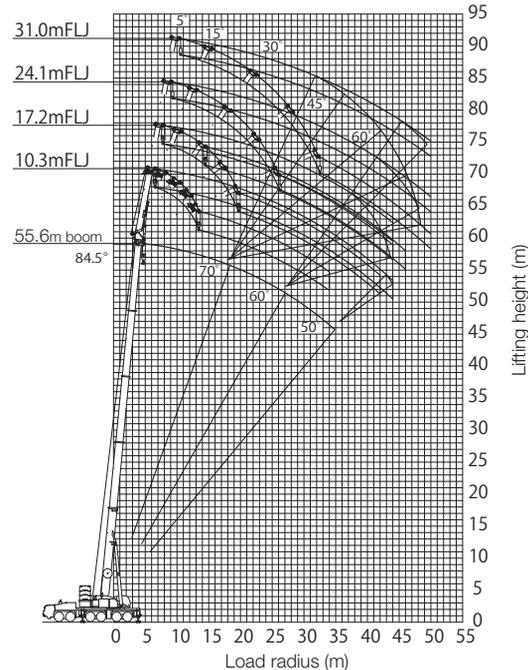
(Note) 1. The above drawing does not consider any boom and jib deflection.
2. The above drawing shows the maximum load radius for the capacity FC.

50.5m boom + 1.6m + full automatic luffing jib



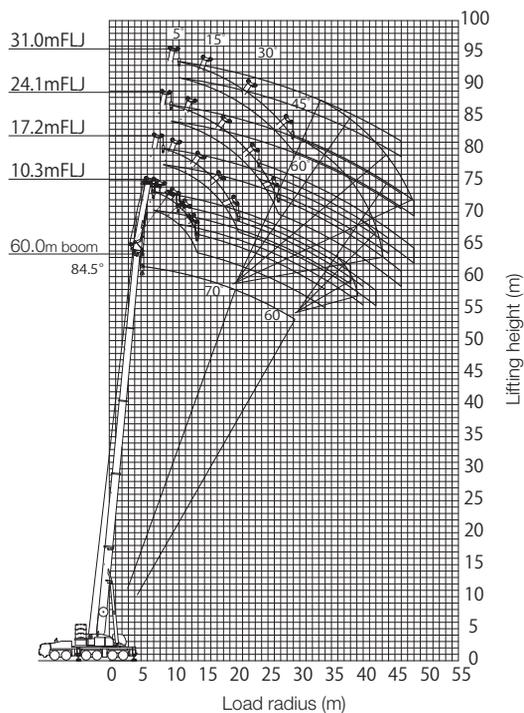
(Note) 1. The above drawing does not consider any boom and jib deflection.
2. The above drawing shows the maximum load radius for the capacity FC.

55.6m boom + 1.6m + full automatic luffing jib



(Note) 1. The above drawing does not consider any boom and jib deflection.
2. The above drawing shows the maximum load radius for the capacity FC.

60.0m boom + 1.6m + full automatic luffing jib



- (Note) 1. The above drawing does not consider any boom and jib deflection.
 2. The above drawing shows the maximum load radius for the capacity FC.

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

1. Capacity classifications FC to FI of the rated lifting capacity table are as follows in the table below.

Outrigger extension width	Counterweight					
	118 t	98 t	78 t	58 t	47 t	25 t
8.5 m	FC	FD	FE	FF	FG	FI
8.0 m	FC	FD	FE	FF	FG	FI
6.8 m			FF	FG	FH	

2. The rated lifting capacity indicates the values including the mass of lifting devices and hook block (80t hook block: 1,270kg, 25t hook block: 870kg, 11.3t hook block: 440kg).
 3. The rated lifting capacity is based on the actual load radius considering boom deflection.
 4. The extension state (extension ratio %) of each telescopic section at various boom lengths is as follows in the table below.

Boom length	40.4 m	45.4 m	50.5 m	55.6 m	60.0 m
Telescopic section 1	90	90	90	90	100
Telescopic section 2	90	90	90	90	100
Telescopic section 3	45	90	90	90	100
Telescopic section 4	0	0	45	90	100

5. 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	3	2	1
Maximum load	33.5t	22.5t	11.3t

6. The rated lifting capacity when the B-pins (boom fixing pins) are not inserted is 32.0t or less.
 7. The rated lifting capacity assumes that the outriggers are set horizontally on firm and level ground.
 8. An effect of the wind is not included in the values in the rated lifting capacity table. Suspend crane operation if the maximum instantaneous wind velocity is 10m/s or more.
 9. Values above the thick line in the rated lifting capacity table 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.
 10. " θ ($^{\circ}$)" indicates the boom angle range in which no-load operation is enabled.

Full Automatic Luffing Jib

Capacity FC

40.4m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
9.0	39.9																			
10.0	37.4					16.7														
11.0	35.2	33.2				16.7														
12.0	33.3	31.5				16.7														
14.0	29.9	28.4	26.8			16.7	16.7				16.1									
16.0	27.0	25.9	24.5	23.6	22.7	16.7	16.7				15.6					10.9				
18.0	24.6	23.7	22.6	21.8	21.3	16.7	16.7	16.7			15.2	13.8				10.8				
20.0	22.6	21.8	20.9	20.2	19.8	16.7	16.7	16.7			14.7	13.3				10.6				
22.0	20.8	20.2	19.4	18.9	18.5	16.7	16.7	16.7	14.4		14.2	12.8				10.3	9.4			
24.0	19.3	18.7	18.1	17.6	17.4	16.7	16.7	16.2	14.0	12.9	13.7	12.4				10.1	9.0			
26.0	16.8	17.2	16.9	16.5	16.3	16.7	16.1	15.4	13.7	12.7	13.2	12.0	10.8			9.8	8.6			
28.0	14.7	15.0	15.3	15.4	15.4	15.6	15.0	14.4	13.3	12.5	12.8	11.7	10.4			9.4	8.3			
30.0	12.7	13.0	13.4	13.6		14.0	14.1	13.6	13.0	12.4	12.4	11.4	10.1	9.3		9.0	7.9	6.9		
32.0	11.1	11.3	11.7	11.8		12.4	12.7	12.8	12.5	12.3	12.0	11.1	9.8	9.1	8.4	8.6	7.6	6.6		
34.0	9.6	9.8	10.1	10.2		10.9	11.3	11.7	11.8	11.7	11.6	10.7	9.5	8.9	8.2	8.3	7.4	6.4		
36.0	8.2	8.5	8.7	8.8		9.6	10.0	10.4	10.7		10.4	10.4	9.3	8.7	8.1	8.0	7.1	6.2	5.7	
38.0	7.0	7.2	7.4			8.4	8.8	9.2	9.5		9.3	9.7	9.1	8.5	8.1	7.7	6.9	6.0	5.5	
40.0	5.9	6.1	6.3			7.4	7.7	8.2	8.4		8.3	8.7	8.9	8.3		7.4	6.6	5.9	5.4	5.1
42.0	5.0	5.1	5.2			6.4	6.7	7.1	7.3		7.3	7.7	8.2	8.2		7.1	6.4	5.7	5.3	5.1
44.0	4.1	4.2	4.2			5.5	5.8	6.1	6.2		6.5	6.9	7.3	7.6		6.9	6.2	5.6	5.2	5.0
46.0	3.2	3.3				4.7	4.9	5.2			5.7	6.1	6.5	6.8		6.6	6.0	5.4	5.1	5.0
48.0	2.5	2.5				3.9	4.2	4.4			4.9	5.3	5.8	6.0		5.9	5.9	5.3	5.0	
50.0						3.2	3.4	3.6			4.3	4.6	5.0			5.3	5.7	5.2	4.9	
54.0						2.0	2.1				3.0	3.3	3.6			4.0	4.5	4.9	4.7	
58.0											2.0	2.2				3.0	3.3	3.8		
62.0																2.1	2.3	2.6		
θ (°)	20 to 84.5	21 to 84.5	34 to 84.5	51 to 84.5	64 to 84.5	24 to 84.5	26 to 84.5	37 to 84.5	50 to 84.5	66 to 84.5	30 to 84.5	33 to 84.5	45 to 84.5	57 to 84.5	73 to 84.5	34 to 84.5	38 to 84.5	43 to 84.5	59 to 84.5	72 to 84.5
Standard hook block	80t					25t					11.3t									
Hook block weight	1270kg					870kg					440kg									
Standard number of parts of line	4					2					1									

Note) Counterweight 118t, outrigger extension width 8.5m, or counterweight 118t, outrigger extension width 8.0m

Capacity FC

45.4m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
10.0	29.6																			
11.0	28.4					16.7														
12.0	26.9	25.0				16.7														
14.0	24.2	22.7				16.7														
16.0	22.0	20.8	19.4	18.4		16.7	16.7				14.8					10.4				
18.0	20.2	19.1	17.9	17.1	16.6	16.7	16.7				14.4					10.2				
20.0	18.6	17.7	16.6	16.0	15.5	16.7	15.8	14.6			14.1	13.0				10.0				
22.0	17.2	16.4	15.5	14.9	14.6	15.7	14.7	13.7			13.7	12.6				9.8				
24.0	15.9	15.3	14.5	14.0	13.7	14.5	13.7	12.8	12.2	11.8	13.4	12.2				9.6	8.8			
26.0	14.9	14.3	13.6	13.2	13.0	13.5	12.8	12.0	11.5	11.1	12.5	11.7				9.4	8.5			
28.0	13.6	13.4	12.8	12.4	12.3	12.7	12.0	11.3	10.8	10.5	11.7	11.0	10.2			9.3	8.1			
30.0	11.8	12.0	12.1	11.8	11.6	11.9	11.3	10.7	10.2	10.0	10.9	10.3	9.7			8.9	7.8			
32.0	10.2	10.5	10.7	10.9		11.1	10.6	10.1	9.7	9.5	10.3	9.7	9.1	8.7		8.6	7.6	6.5		
34.0	8.8	9.0	9.3	9.5		9.9	10.0	9.5	9.2	9.1	9.7	9.2	8.6	8.3	8.1	8.2	7.3	6.3		
36.0	7.4	7.7	8.0	8.1		8.7	9.1	9.0	8.8	8.6	9.1	8.7	8.2	7.9	7.7	7.9	7.0	6.2	5.6	
38.0	6.3	6.5	6.8	6.9		7.6	8.0	8.4	8.3	8.2	8.3	8.2	7.8	7.5	7.3	7.6	6.8	6.0	5.5	
40.0	5.2	5.4	5.7	5.7		6.6	6.9	7.4	7.6		7.4	7.7	7.3	7.0	6.9	7.4	6.6	5.8	5.4	5.1
42.0	4.2	4.4	4.6			5.7	6.0	6.4	6.6		6.5	6.9	6.8	6.6		7.1	6.4	5.7	5.2	5.1
44.0	3.3	3.5	3.7			4.8	5.1	5.5	5.7		5.7	6.1	6.3	6.1		6.5	6.2	5.5	5.1	5.0
46.0	2.5	2.7	2.8			4.0	4.3	4.7	4.8		4.9	5.3	5.7	5.7		5.8	6.0	5.4	5.0	4.9
48.0						3.2	3.5	3.9	4.0		4.2	4.6	5.1	5.3		5.1	5.5	5.2	4.9	4.9
50.0						2.6	2.8	3.1			3.6	4.0	4.4	4.7		4.5	4.9	5.0	4.8	
54.0											2.4	2.7	3.1			3.4	3.8	4.2	4.2	
58.0													1.9			2.4	2.7	3.2	3.5	
62.0																1.8	2.2			
θ (°)	37 to 84.5	38 to 84.5	39 to 84.5	50 to 84.5	65 to 84.5	42 to 84.5	44 to 84.5	46 to 84.5	50 to 84.5	65 to 84.5	43 to 84.5	47 to 84.5	45 to 84.5	58 to 84.5	72 to 84.5	45 to 84.5	50 to 84.5	58 to 84.5	72 to 84.5	
Standard hook block	80t					25t					11.3t									
Hook block weight	1270kg					870kg					440kg									
Standard number of parts of line	4					2					1									

Note) Counterweight 118t, outrigger extension width 8.5m, or counterweight 118t, outrigger extension width 8.0m

Capacity FC

50.5m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
11.0	20.8																			
12.0	19.8																			
14.0	18.0	16.3				15.8														
16.0	16.5	15.1	13.5			14.4	12.8				12.8									
18.0	15.0	14.0	12.7	11.8	11.2	13.3	11.9				11.8					9.1				
20.0	13.7	13.0	11.9	11.1	10.6	12.3	11.1				10.9	9.7				9.1				
22.0	12.6	12.1	11.2	10.5	10.1	11.4	10.4	9.2			10.1	9.0				9.1				
24.0	11.6	11.1	10.5	10.0	9.6	10.7	9.7	8.7	8.0		9.5	8.5				8.8				
26.0	10.7	10.3	9.9	9.5	9.2	10.0	9.1	8.2	7.6	7.2	8.8	8.0	7.0			8.2	7.4			
28.0	9.9	9.6	9.2	9.0	8.8	9.3	8.6	7.8	7.3	6.9	8.3	7.5	6.7			7.7	6.9			
30.0	8.9	8.7	8.4	8.2	8.0	8.6	8.2	7.4	6.9	6.6	7.8	7.1	6.3			7.3	6.5			
32.0	8.0	7.8	7.5	7.4	7.3	7.8	7.6	7.0	6.6	6.4	7.4	6.7	6.0	5.5		6.8	6.2	5.5		
34.0	7.2	7.0	6.8	6.7		7.1	6.9	6.6	6.3	6.1	6.8	6.4	5.7	5.3	5.0	6.5	5.9	5.2		
36.0	6.4	6.3	6.1	6.0		6.4	6.2	6.0	5.9	5.7	6.1	6.0	5.4	5.1	4.8	6.1	5.5	5.0		
38.0	5.8	5.6	5.5	5.4		5.7	5.6	5.4	5.3	5.2	5.5	5.4	5.2	4.8	4.5	5.7	5.3	4.7	4.3	
40.0	4.8	5.0	4.9	4.9		5.1	5.0	4.9	4.8	4.7	5.0	4.9	4.8	4.5	4.3	5.2	5.0	4.4	4.0	
42.0	3.9	4.1	4.3	4.3		4.6	4.5	4.4	4.3		4.5	4.4	4.3	4.2	4.0	4.7	4.6	4.2	3.8	3.5
44.0	3.0	3.2	3.4	3.5		4.1	4.0	4.0	3.9		4.0	4.0	3.9	3.9		4.2	4.2	3.9	3.5	3.3
46.0		2.4	2.6			3.5	3.6	3.5	3.5		3.6	3.5	3.5	3.5		3.8	3.8	3.6	3.3	3.1
48.0						2.8	3.2	3.1	3.1		3.2	3.2	3.1	3.1		3.4	3.4	3.4	3.1	2.9
50.0						2.2	2.5	2.8	2.7		2.8	2.8	2.8	2.8		3.0	3.0	3.0	2.9	2.8
54.0											1.9	2.1	2.2	2.2		2.4	2.4	2.4	2.4	
58.0																1.8	1.8	1.9	1.9	
θ (°)	46 to 84.5	45 to 84.5	46 to 84.5	49 to 84.5	66 to 84.5	46 to 84.5	48 to 84.5	51 to 84.5	52 to 84.5	65 to 84.5	48 to 84.5	51 to 84.5	55 to 84.5	57 to 84.5	72 to 84.5	49 to 84.5	54 to 84.5	59 to 84.5	62 to 84.5	73 to 84.5
Standard hook block	25t															11.3t				
Hook block weight	870kg															440kg				
Standard number of parts of line	2															1				

Note) Counterweight 118t, outrigger extension width 8.5m, or counterweight 118t, outrigger extension width 8.0m

Capacity FC

55.6m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset					
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	
12.0	14.6																				
14.0	14.6	13.7																			
16.0	13.4	12.5				12.0															
18.0	12.3	11.5	10.6	10.0		11.0	10.0				9.4					6.4					
20.0	11.2	10.6	9.8	9.3	8.9	10.0	9.2				9.4					6.4					
22.0	10.3	9.8	9.1	8.6	8.4	9.2	8.5	7.8			8.7	8.0				6.4					
24.0	9.6	9.0	8.5	8.1	7.8	8.5	7.9	7.2			8.1	7.4				6.4					
26.0	8.6	8.4	7.9	7.6	7.4	7.9	7.4	6.8	6.4		7.5	6.9				6.4	6.3				
28.0	7.6	7.5	7.3	7.1	6.9	7.3	6.9	6.3	6.0	5.7	6.9	6.4	5.8			6.4	5.9				
30.0	6.6	6.5	6.4	6.3	6.2	6.6	6.4	5.9	5.5	5.3	6.5	6.0	5.5			6.0	5.5				
32.0	5.8	5.7	5.6	5.6	5.5	5.8	5.7	5.4	5.1	4.9	6.0	5.6	5.1			5.6	5.2				
34.0	5.0	5.0	4.9	4.8	4.8	5.0	5.0	4.9	4.6	4.4	5.4	5.1	4.7	4.4		5.1	4.7	4.3			
36.0	4.3	4.3	4.2	4.2		4.4	4.4	4.4	4.2	4.1	4.7	4.6	4.2	4.0	3.8	4.6	4.3	3.9			
38.0	3.6	3.6	3.6	3.6		3.8	3.8	3.8	3.8	3.7	4.2	4.2	3.9	3.6	3.5	4.2	3.9	3.6			
40.0	3.0	3.0	3.0	3.0		3.2	3.3	3.3	3.3	3.3	3.6	3.7	3.5	3.3	3.2	3.8	3.5	3.3	3.1		
42.0	2.5	2.5	2.5	2.5		2.7	2.8	2.8	2.9	2.8	3.1	3.2	3.2	3.0	2.9	3.3	3.2	2.9	2.8		
44.0	2.0	2.0	2.0	2.0		2.2	2.3	2.4	2.4		2.7	2.8	2.8	2.7	2.6	2.8	2.9	2.7	2.5	2.4	
46.0								1.9	2.0	2.0		2.2	2.3	2.5	2.4		2.4	2.6	2.4	2.3	2.2
48.0											1.8	2.0	2.1	2.2		2.0	2.2	2.1	2.0	1.9	
50.0											1.5	1.6	1.7	1.8		1.7	1.9	1.9	1.8	1.7	
θ (°)	51 to 84.5	52 to 84.5	54 to 84.5	66 to 84.5	56 to 84.5	57 to 84.5	60 to 84.5	61 to 84.5	66 to 84.5	56 to 84.5	59 to 84.5	63 to 84.5	65 to 84.5	73 to 84.5	61 to 84.5	64 to 84.5	69 to 84.5	73 to 84.5	75 to 84.5		
Standard hook block	25t															11.3t					
Hook block weight	870kg															440kg					
Standard number of parts of line	2															1					

Note) Counterweight 118t, outrigger extension width 8.5m, or counterweight 118t, outrigger extension width 8.0m

Full Automatic Luffing Jib

Capacity FC

60.0m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	
14.0	12.0																			
16.0	11.7	11.0				8.0														
18.0	10.7	10.0	9.3			8.0					7.1									
20.0	9.7	9.2	8.6	8.2		8.0	8.0				7.1									
22.0	8.9	8.5	7.9	7.6	7.3	8.0	7.8				7.1					5.7				
24.0	8.2	7.8	7.4	7.1	6.9	7.7	7.2	6.6			7.1	6.6				5.7				
26.0	7.1	7.1	6.8	6.6	6.4	7.1	6.7	6.2			6.6	6.1				5.7				
28.0	6.2	6.1	6.1	6.0	5.8	6.5	6.2	5.8	5.5		6.1	5.7				5.7	5.3			
30.0	5.3	5.3	5.2	5.2	5.1	5.7	5.7	5.3	5.0	4.8	5.7	5.3	4.9			5.3	5.0			
32.0	4.5	4.5	4.5	4.5	4.4	4.9	5.0	4.8	4.5	4.3	5.1	4.8	4.4			4.8	4.5			
34.0	3.8	3.8	3.8	3.8	3.7	4.2	4.3	4.3	4.1	3.9	4.4	4.3	4.0	3.8		4.3	4.1			
36.0	3.1	3.2	3.2	3.2		3.6	3.7	3.8	3.7	3.5	3.8	3.8	3.6	3.4		3.9	3.7	3.4		
38.0	2.5	2.6	2.6	2.6		3.0	3.1	3.2	3.3	3.2	3.3	3.4	3.2	3.1	2.9	3.5	3.3	3.1		
40.0		2.0	2.1	2.1		2.5	2.6	2.7	2.8	2.7	2.8	2.9	2.9	2.7	2.6	3.0	2.9	2.7		
42.0						2.0	2.1	2.2	2.3	2.3	2.3	2.5	2.6	2.4	2.3	2.5	2.6	2.4	2.3	
44.0						1.6	1.7	1.8	1.9		1.9	2.0	2.2	2.2	2.1	2.1	2.3	2.2	2.1	
46.0											1.5	1.6	1.8	1.9	1.8	1.7	1.9	1.9	1.8	
48.0														1.6			1.6	1.6	1.6	
θ (°)	61 to 84.5	60 to 84.5	61 to 84.5	62 to 84.5	69 to 84.5	60 to 84.5	62 to 84.5	65 to 84.5	66 to 84.5	69 to 84.5	62 to 84.5	65 to 84.5	69 to 84.5	70 to 84.5	73 to 84.5	66 to 84.5	67 to 84.5	72 to 84.5	76 to 84.5	
Standard hook block	25t										11.3t									
Hook block weight	870kg										440kg									
Standard number of parts of the	2										1									

Note) Counterweight 118t, outrigger extension width 8.5m, or counterweight 118t, outrigger extension width 8.0m

Capacity FD

40.4m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
9.0	39.9																			
10.0	37.4					16.7														
11.0	35.2	33.2				16.7														
12.0	33.3	31.5				16.7														
14.0	29.9	28.4	26.8			16.7	16.7				16.1									
16.0	27.0	25.9	24.5	23.6	22.7	16.7	16.7				15.6					10.9				
18.0	24.6	23.7	22.6	21.8	21.3	16.7	16.7	16.7			15.2	13.8				10.8				
20.0	22.6	21.8	20.9	20.2	19.8	16.7	16.7	16.7			14.7	13.3				10.6				
22.0	20.8	20.2	19.4	18.9	18.5	16.7	16.7	16.7	14.4		14.2	12.8				10.3	9.4			
24.0	19.3	18.7	18.1	17.6	17.4	16.7	16.7	16.2	14.0	12.9	13.7	12.4				10.1	9.0			
26.0	16.8	17.2	16.9	16.5	16.3	16.7	16.1	15.4	13.7	12.7	13.2	12.0	10.8			9.8	8.6			
28.0	14.7	15.0	15.3	15.4	15.4	15.6	15.0	14.4	13.3	12.5	12.8	11.7	10.4			9.4	8.3			
30.0	12.7	13.0	13.4	13.6		14.0	14.1	13.6	13.0	12.4	12.4	11.4	10.1	9.3		9.0	7.9	6.9		
32.0	11.1	11.3	11.7	11.8		12.4	12.7	12.8	12.5	12.3	12.0	11.1	9.8	9.1	8.4	8.6	7.6	6.6		
34.0	9.6	9.8	10.1	10.2		10.9	11.3	11.7	11.8	11.7	11.6	10.7	9.5	8.9	8.2	8.3	7.4	6.4		
36.0	8.2	8.5	8.7	8.8		9.6	10.0	10.4	10.7		10.4	10.4	9.3	8.7	8.1	8.0	7.1	6.2	5.7	
38.0	7.0	7.2	7.4			8.4	8.8	9.2	9.5		9.3	9.7	9.1	8.5	8.1	7.7	6.9	6.0	5.5	
40.0	5.9	6.1	6.3			7.4	7.7	8.2	8.4		8.3	8.7	8.9	8.3		7.4	6.6	5.9	5.4	5.1
42.0	4.5	4.8	5.1			6.4	6.7	7.1	7.3		7.3	7.7	8.2	8.2		7.1	6.4	5.7	5.3	5.1
44.0	3.2	3.4	3.5			5.5	5.8	6.1	6.2		6.5	6.9	7.3	7.6		6.9	6.2	5.6	5.2	5.0
46.0						4.7	4.9	5.2			5.7	6.1	6.5	6.8		6.6	6.0	5.4	5.1	5.0
48.0						3.6	4.0	4.4			4.9	5.3	5.8	6.0		5.9	5.9	5.3	5.0	
50.0						2.5	2.9	3.2			4.3	4.6	5.0			5.3	5.7	5.2	4.9	
54.0											2.7	3.3	3.6			4.0	4.5	4.9	4.7	
58.0																2.9	3.3	3.8		
62.0																1.6	2.1	2.6		
θ (°)	32 to 84.5	33 to 84.5	34 to 84.5	51 to 84.5	64 to 84.5	34 to 84.5	36 to 84.5	37 to 84.5	50 to 84.5	66 to 84.5	37 to 84.5	41 to 84.5	45 to 84.5	57 to 84.5	73 to 84.5	34 to 84.5	38 to 84.5	43 to 84.5	59 to 84.5	72 to 84.5
Standard hook block	80t										25t					11.3t				
Hook block weight	1270kg										870kg					440kg				
Standard number of parts of line	4										2					1				

Note) Counterweight 98t, outrigger extension width 8.5m, or counterweight 98t, outrigger extension width 8.0m

Capacity FD

45.4m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
10.0	29.6																			
11.0	28.4					16.7														
12.0	26.9	25.0				16.7														
14.0	24.2	22.7				16.7														
16.0	22.0	20.8	19.4	18.4		16.7	16.7				14.8					10.4				
18.0	20.2	19.1	17.9	17.1	16.6	16.7	16.7				14.4					10.2				
20.0	18.6	17.7	16.6	16.0	15.5	16.7	15.8	14.6			14.1	13.0				10.0				
22.0	17.2	16.4	15.5	14.9	14.6	15.7	14.7	13.7			13.7	12.6				9.8				
24.0	15.9	15.3	14.5	14.0	13.7	14.5	13.7	12.8	12.2	11.8	13.4	12.2				9.6	8.8			
26.0	14.9	14.3	13.6	13.2	13.0	13.5	12.8	12.0	11.5	11.1	12.5	11.7				9.4	8.5			
28.0	13.6	13.4	12.8	12.4	12.3	12.7	12.0	11.3	10.8	10.5	11.7	11.0	10.2			9.3	8.1			
30.0	11.8	12.0	12.1	11.8	11.6	11.9	11.3	10.7	10.2	10.0	10.9	10.3	9.7			8.9	7.8			
32.0	10.2	10.5	10.7	10.9		11.1	10.6	10.1	9.7	9.5	10.3	9.7	9.1	8.7		8.6	7.6	6.5		
34.0	8.8	9.0	9.3	9.5		9.9	10.0	9.5	9.2	9.1	9.7	9.2	8.6	8.3	8.1	8.2	7.3	6.3		
36.0	7.4	7.7	8.0	8.1		8.7	9.1	9.0	8.8	8.6	9.1	8.7	8.2	7.9	7.7	7.9	7.0	6.2	5.6	
38.0	6.3	6.5	6.8	6.9		7.6	8.0	8.4	8.3	8.2	8.3	8.2	7.8	7.5	7.3	7.6	6.8	6.0	5.5	
40.0	5.2	5.4	5.7	5.7		6.6	6.9	7.4	7.6		7.4	7.7	7.3	7.0	6.9	7.4	6.6	5.8	5.4	5.1
42.0	4.2	4.4	4.6			5.7	6.0	6.4	6.6		6.5	6.9	6.8	6.6		7.1	6.4	5.7	5.2	5.1
44.0	3.2	3.5	3.7			4.8	5.1	5.5	5.7		5.7	6.1	6.3	6.1		6.5	6.2	5.5	5.1	5.0
46.0		2.3	2.5			4.0	4.3	4.7	4.8		4.9	5.3	5.7	5.7		5.8	6.0	5.4	5.0	4.9
48.0						3.2	3.5	3.9	4.0		4.2	4.6	5.1	5.3		5.1	5.5	5.2	4.9	4.9
50.0						2.4	2.8	3.1			3.6	4.0	4.4	4.7		4.5	4.9	5.0	4.8	
54.0											2.4	2.7	3.1			3.4	3.8	4.2	4.2	
58.0													1.9			2.4	2.7	3.2	3.5	
62.0																	1.8	2.2		
θ (°)	41 to 84.5	38 to 84.5	39 to 84.5	50 to 84.5	65 to 84.5	42 to 84.5	44 to 84.5	46 to 84.5	50 to 84.5	65 to 84.5	43 to 84.5	47 to 84.5	45 to 84.5	58 to 84.5	72 to 84.5	45 to 84.5	50 to 84.5	58 to 84.5	72 to 84.5	
Standard hook block	80t										25t					11.3t				
Hook block weight	1270kg										870kg					440kg				
Standard number of parts of line	4										2					1				

Note) Counterweight 98t, outrigger extension width 8.5m, or counterweight 98t, outrigger extension width 8.0m

Full Automatic Luffing Jib

Capacity FD

50.5m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
11.0	20.8																			
12.0	19.8																			
14.0	18.0	16.3				15.8														
16.0	16.5	15.1	13.5			14.4	12.8				12.8									
18.0	15.0	14.0	12.7	11.8	11.2	13.3	11.9				11.8					9.1				
20.0	13.7	13.0	11.9	11.1	10.6	12.3	11.1				10.9	9.7				9.1				
22.0	12.6	12.1	11.2	10.5	10.1	11.4	10.4	9.2			10.1	9.0				9.1				
24.0	11.6	11.1	10.5	10.0	9.6	10.7	9.7	8.7	8.0		9.5	8.5				8.8				
26.0	10.7	10.3	9.9	9.5	9.2	10.0	9.1	8.2	7.6	7.2	8.8	8.0	7.0			8.2	7.4			
28.0	9.9	9.6	9.2	9.0	8.8	9.3	8.6	7.8	7.3	6.9	8.3	7.5	6.7			7.7	6.9			
30.0	8.9	8.7	8.4	8.2	8.0	8.6	8.2	7.4	6.9	6.6	7.8	7.1	6.3			7.3	6.5			
32.0	8.0	7.8	7.5	7.4	7.3	7.8	7.6	7.0	6.6	6.4	7.4	6.7	6.0	5.5		6.8	6.2	5.5		
34.0	7.2	7.0	6.8	6.7		7.1	6.9	6.6	6.3	6.1	6.8	6.4	5.7	5.3	5.0	6.5	5.9	5.2		
36.0	6.4	6.3	6.1	6.0		6.4	6.2	6.0	5.9	5.7	6.1	6.0	5.4	5.1	4.8	6.1	5.5	5.0		
38.0	5.8	5.6	5.5	5.4		5.7	5.6	5.4	5.3	5.2	5.5	5.4	5.2	4.8	4.5	5.7	5.3	4.7	4.3	
40.0	4.8	5.0	4.9	4.9		5.1	5.0	4.9	4.8	4.7	5.0	4.9	4.8	4.5	4.3	5.2	5.0	4.4	4.0	
42.0	3.9	4.1	4.3	4.3		4.6	4.5	4.4	4.3		4.5	4.4	4.3	4.2	4.0	4.7	4.6	4.2	3.8	3.5
44.0	3.0	3.2	3.4	3.5		4.1	4.0	4.0	3.9		4.0	4.0	3.9	3.9		4.2	4.2	3.9	3.5	3.3
46.0		2.4	2.6			3.5	3.6	3.5	3.5		3.6	3.5	3.5	3.5		3.8	3.8	3.6	3.3	3.1
48.0						2.8	3.2	3.1	3.1		3.2	3.2	3.1	3.1		3.4	3.4	3.4	3.1	2.9
50.0						2.2	2.5	2.8	2.7		2.8	2.8	2.8	2.8		3.0	3.0	3.0	2.9	2.8
54.0											1.9	2.1	2.2	2.2		2.4	2.4	2.4	2.4	
58.0																1.8	1.8	1.9	1.9	
θ (°)	46 to 84.5	45 to 84.5	46 to 84.5	49 to 84.5	66 to 84.5	46 to 84.5	48 to 84.5	51 to 84.5	52 to 84.5	65 to 84.5	48 to 84.5	51 to 84.5	55 to 84.5	57 to 84.5	72 to 84.5	49 to 84.5	54 to 84.5	59 to 84.5	62 to 84.5	73 to 84.5
Standard hook block	25t															11.3t				
Hook block weight	870kg															440kg				
Standard number of parts of line	2															1				

Note) Counterweight 98t, outrigger extension width 8.5m, or counterweight 98t, outrigger extension width 8.0m

Capacity FD

55.6m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
12.0	14.6																			
14.0	14.6	13.7																		
16.0	13.4	12.5				12.0														
18.0	12.3	11.5	10.6	10.0		11.0	10.0				9.4									
20.0	11.2	10.6	9.8	9.3	8.9	10.0	9.2				9.4					6.4				
22.0	10.3	9.8	9.1	8.6	8.4	9.2	8.5	7.8			8.7	8.0				6.4				
24.0	9.6	9.0	8.5	8.1	7.8	8.5	7.9	7.2			8.1	7.4				6.4				
26.0	8.6	8.4	7.9	7.6	7.4	7.9	7.4	6.8	6.4		7.5	6.9				6.4	6.3			
28.0	7.6	7.5	7.3	7.1	6.9	7.3	6.9	6.3	6.0	5.7	6.9	6.4	5.8			6.4	5.9			
30.0	6.6	6.5	6.4	6.3	6.2	6.6	6.4	5.9	5.5	5.3	6.5	6.0	5.5			6.0	5.5			
32.0	5.8	5.7	5.6	5.6	5.5	5.8	5.7	5.4	5.1	4.9	6.0	5.6	5.1			5.6	5.2			
34.0	5.0	5.0	4.9	4.8	4.8	5.0	5.0	4.9	4.6	4.4	5.4	5.1	4.7	4.4		5.1	4.7	4.3		
36.0	4.3	4.3	4.2	4.2		4.4	4.4	4.4	4.2	4.1	4.7	4.6	4.2	4.0	3.8	4.6	4.3	3.9		
38.0	3.6	3.6	3.6	3.6		3.8	3.8	3.8	3.8	3.7	4.2	4.2	3.9	3.6	3.5	4.2	3.9	3.6		
40.0	3.0	3.0	3.0	3.0		3.2	3.3	3.3	3.3	3.3	3.6	3.7	3.5	3.3	3.2	3.8	3.5	3.3	3.1	
42.0	2.5	2.5	2.5	2.5		2.7	2.8	2.8	2.9	2.8	3.1	3.2	3.2	3.0	2.9	3.3	3.2	2.9	2.8	
44.0	2.0	2.0	2.0	2.0		2.2	2.3	2.4	2.4		2.7	2.8	2.8	2.7	2.6	2.8	2.9	2.7	2.5	2.4
46.0							1.9	2.0	2.0		2.2	2.3	2.5	2.4		2.4	2.6	2.4	2.3	2.2
48.0											1.8	2.0	2.1	2.2		2.0	2.2	2.1	2.0	1.9
50.0											1.5	1.6	1.7	1.8		1.7	1.9	1.9	1.8	1.7
θ (°)	51 to 84.5	52 to 84.5	54 to 84.5	66 to 84.5	56 to 84.5	57 to 84.5	60 to 84.5	61 to 84.5	66 to 84.5	56 to 84.5	59 to 84.5	63 to 84.5	65 to 84.5	73 to 84.5	61 to 84.5	64 to 84.5	69 to 84.5	73 to 84.5	75 to 84.5	
Standard hook block	25t															11.3t				
Hook block weight	870kg															440kg				
Standard number of parts of line	2															1				

Note) Counterweight 98t, outrigger extension width 8.5m, or counterweight 98t, outrigger extension width 8.0m

Capacity FD

60.0m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	
14.0	12.0																			
16.0	11.7	11.0				8.0														
18.0	10.7	10.0	9.3			8.0					7.1									
20.0	9.7	9.2	8.6	8.2		8.0	8.0				7.1									
22.0	8.9	8.5	7.9	7.6	7.3	8.0	7.8				7.1					5.7				
24.0	8.2	7.8	7.4	7.1	6.9	7.7	7.2	6.6			7.1	6.6				5.7				
26.0	7.1	7.1	6.8	6.6	6.4	7.1	6.7	6.2			6.6	6.1				5.7				
28.0	6.2	6.1	6.1	6.0	5.8	6.5	6.2	5.8	5.5		6.1	5.7				5.7	5.3			
30.0	5.3	5.3	5.2	5.2	5.1	5.7	5.7	5.3	5.0	4.8	5.7	5.3	4.9			5.3	5.0			
32.0	4.5	4.5	4.5	4.5	4.4	4.9	5.0	4.8	4.5	4.3	5.1	4.8	4.4			4.8	4.5			
34.0	3.8	3.8	3.8	3.8	3.7	4.2	4.3	4.3	4.1	3.9	4.4	4.3	4.0	3.8		4.3	4.1			
36.0	3.1	3.2	3.2	3.2		3.6	3.7	3.8	3.7	3.5	3.8	3.8	3.6	3.4		3.9	3.7	3.4		
38.0	2.5	2.6	2.6	2.6		3.0	3.1	3.2	3.3	3.2	3.3	3.4	3.2	3.1	2.9	3.5	3.3	3.1		
40.0		2.0	2.1	2.1		2.5	2.6	2.7	2.8	2.7	2.8	2.9	2.9	2.7	2.6	3.0	2.9	2.7		
42.0						2.0	2.1	2.2	2.3	2.3	2.3	2.5	2.6	2.4	2.3	2.5	2.6	2.4	2.3	
44.0						1.6	1.7	1.8	1.9		1.9	2.0	2.2	2.2	2.1	2.1	2.3	2.2	2.1	
46.0											1.5	1.6	1.8	1.9	1.8	1.7	1.9	1.9	1.8	
48.0														1.6			1.6	1.6	1.6	
θ (°)	61 to 84.5	60 to 84.5	61 to 84.5	62 to 84.5	69 to 84.5	60 to 84.5	62 to 84.5	65 to 84.5	66 to 84.5	69 to 84.5	62 to 84.5	65 to 84.5	69 to 84.5	70 to 84.5	73 to 84.5	66 to 84.5	67 to 84.5	72 to 84.5	76 to 84.5	
Standard hook block	25t										11.3t									
Hook block weight	870kg										440kg									
Standard number of parts of line	2										1									

Note) Counterweight 98t, outrigger extension width 8.5m, or counterweight 98t, outrigger extension width 8.0m

Full Automatic Luffing Jib

Capacity FE

40.4m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
9.0	39.9																			
10.0	37.4					16.7														
11.0	35.2	33.2				16.7														
12.0	33.3	31.5				16.7														
14.0	29.9	28.4	26.8			16.7	16.7				16.1									
16.0	27.0	25.9	24.5	23.6	22.7	16.7	16.7				15.6					10.9				
18.0	24.6	23.7	22.6	21.8	21.3	16.7	16.7	16.7			15.2	13.8				10.8				
20.0	22.6	21.8	20.9	20.2	19.8	16.7	16.7	16.7			14.7	13.3				10.6				
22.0	20.8	20.2	19.4	18.9	18.5	16.7	16.7	16.7	14.4		14.2	12.8				10.3	9.4			
24.0	19.3	18.7	18.1	17.6	17.4	16.7	16.7	16.2	14.0	12.9	13.7	12.4				10.1	9.0			
26.0	16.8	17.2	16.9	16.5	16.3	16.7	16.1	15.4	13.7	12.7	13.2	12.0	10.8			9.8	8.6			
28.0	14.1	15.0	15.3	15.4	15.4	15.6	15.0	14.4	13.3	12.5	12.8	11.7	10.4			9.4	8.3			
30.0	11.3	12.1	13.1	13.6		14.0	14.1	13.6	13.0	12.4	12.4	11.4	10.1	9.3		9.0	7.9	6.9		
32.0	8.9	9.6	10.4	10.8		11.9	12.7	12.8	12.5	12.3	12.0	11.1	9.8	9.1	8.4	8.6	7.6	6.6		
34.0	6.8	7.4	8.1	8.4		9.8	10.9	11.7	11.8	11.7	11.6	10.7	9.5	8.9	8.2	8.3	7.4	6.4		
36.0	5.0	5.6	6.1	6.3		7.9	9.0	10.2	10.7		10.1	10.4	9.3	8.7	8.1	8.0	7.1	6.2	5.7	
38.0	3.4	3.9	4.3			6.3	7.2	8.3	9.0		8.4	9.7	9.1	8.5	8.1	7.7	6.9	6.0	5.5	
40.0		2.4	2.7			4.8	5.6	6.6	7.2		6.9	8.1	8.9	8.3		7.4	6.6	5.9	5.4	5.1
42.0						3.5	4.2	5.1	5.5		5.6	6.7	8.1	8.2		7.1	6.4	5.7	5.3	5.1
44.0						2.3	3.0	3.7	3.9		4.4	5.4	6.7	7.6		6.3	6.2	5.6	5.2	5.0
46.0								2.4			3.3	4.2	5.4	6.1		5.2	6.0	5.4	5.1	5.0
48.0											2.3	3.1	4.1	4.7		4.2	5.3	5.3	5.0	
50.0												2.2	3.0			3.3	4.3	5.2	4.9	
54.0																1.7	2.5	3.6	4.3	
58.0																		1.8		
θ (°)	44 to 84.5	42 to 84.5	43 to 84.5	51 to 84.5	64 to 84.5	45 to 84.5	47 to 84.5	45 to 84.5	50 to 84.5	66 to 84.5	46 to 84.5	47 to 84.5	52 to 84.5	57 to 84.5	73 to 84.5	45 to 84.5	50 to 84.5	59 to 84.5	72 to 84.5	
Standard hook block	80t					25t					11.3t									
Hook block weight	1270kg					870kg					440kg									
Standard number of parts of line	4					2					1									

Note) Counterweight 78t, outrigger extension width 8.5m, or counterweight 78t, outrigger extension width 8.0m

Capacity FE

45.4m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
10.0	29.6																			
11.0	28.4					16.7														
12.0	26.9	25.0				16.7														
14.0	24.2	22.7				16.7														
16.0	22.0	20.8	19.4	18.4		16.7	16.7				14.8					10.4				
18.0	20.2	19.1	17.9	17.1	16.6	16.7	16.7				14.4					10.2				
20.0	18.6	17.7	16.6	16.0	15.5	16.7	15.8	14.6			14.1	13.0				10.0				
22.0	17.2	16.4	15.5	14.9	14.6	15.7	14.7	13.7			13.7	12.6				9.8				
24.0	15.9	15.3	14.5	14.0	13.7	14.5	13.7	12.8	12.2	11.8	13.4	12.2				9.6	8.8			
26.0	14.9	14.3	13.6	13.2	13.0	13.5	12.8	12.0	11.5	11.1	12.5	11.7				9.4	8.5			
28.0	13.6	13.4	12.8	12.4	12.3	12.7	12.0	11.3	10.8	10.5	11.7	11.0	10.2			9.3	8.1			
30.0	11.3	12.0	12.1	11.8	11.6	11.9	11.3	10.7	10.2	10.0	10.9	10.3	9.7			8.9	7.8			
32.0	8.9	9.7	10.6	10.9		11.1	10.6	10.1	9.7	9.5	10.3	9.7	9.1	8.7		8.6	7.6	6.5		
34.0	6.9	7.5	8.3	8.8		9.7	10.0	9.5	9.2	9.1	9.7	9.2	8.6	8.3	8.1	8.2	7.3	6.3		
36.0	5.1	5.6	6.3	6.6		7.8	8.9	9.0	8.8	8.6	9.1	8.7	8.2	7.9	7.7	7.9	7.0	6.2	5.6	
38.0	3.5	4.0	4.6	4.8		6.2	7.1	8.4	8.3	8.2	8.1	8.2	7.8	7.5	7.3	7.6	6.8	6.0	5.5	
40.0		2.5	3.0	3.1		4.7	5.6	6.7	7.4		6.7	7.7	7.3	7.0	6.9	7.4	6.6	5.8	5.4	5.1
42.0						3.4	4.2	5.2	5.7		5.3	6.5	6.8	6.6		7.1	6.4	5.7	5.2	5.1
44.0						2.2	2.9	3.8	4.2		4.1	5.2	6.3	6.1		6.0	6.2	5.5	5.1	5.0
46.0								2.5	2.8		3.1	4.0	5.3	5.7		4.9	6.0	5.4	5.0	4.9
48.0											2.1	3.0	4.1	4.9		3.9	5.1	5.2	4.9	4.9
50.0												2.0	3.0			3.0	4.1	5.0	4.8	
54.0																	2.3	3.5	4.2	
58.0																		1.8	2.4	
θ (°)	50 to 84.5	48 to 84.5	50 to 84.5	65 to 84.5		50 to 84.5	52 to 84.5	53 to 84.5	65 to 84.5	50 to 84.5	52 to 84.5	56 to 84.5	61 to 84.5	72 to 84.5		54 to 84.5	55 to 84.5	58 to 84.5	72 to 84.5	
Standard hook block	80t					25t					11.3t									
Hook block weight	1270kg					870kg					440kg									
Standard number of parts of line	4					2					1									

Note) Counterweight 78t, outrigger extension width 8.5m, or counterweight 78t, outrigger extension width 8.0m

Capacity FE

50.5m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset					
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	
11.0	20.8																				
12.0	19.8																				
14.0	18.0	16.3				15.8															
16.0	16.5	15.1	13.5			14.4	12.8				12.8										
18.0	15.0	14.0	12.7	11.8	11.2	13.3	11.9				11.8					9.1					
20.0	13.7	13.0	11.9	11.1	10.6	12.3	11.1				10.9	9.7				9.1					
22.0	12.6	12.1	11.2	10.5	10.1	11.4	10.4	9.2			10.1	9.0				9.1					
24.0	11.6	11.1	10.5	10.0	9.6	10.7	9.7	8.7	8.0		9.5	8.5				8.8					
26.0	10.7	10.3	9.9	9.5	9.2	10.0	9.1	8.2	7.6	7.2	8.8	8.0	7.0			8.2	7.4				
28.0	9.9	9.6	9.2	9.0	8.8	9.3	8.6	7.8	7.3	6.9	8.3	7.5	6.7			7.7	6.9				
30.0	8.9	8.7	8.4	8.2	8.0	8.6	8.2	7.4	6.9	6.6	7.8	7.1	6.3			7.3	6.5				
32.0	8.0	7.8	7.5	7.4	7.3	7.8	7.6	7.0	6.6	6.4	7.4	6.7	6.0	5.5		6.8	6.2	5.5			
34.0	7.2	7.0	6.8	6.7		7.1	6.9	6.6	6.3	6.1	6.8	6.4	5.7	5.3	5.0	6.5	5.9	5.2			
36.0	5.4	6.0	6.1	6.0		6.4	6.2	6.0	5.9	5.7	6.1	6.0	5.4	5.1	4.8	6.1	5.5	5.0			
38.0	3.8	4.3	5.0	5.3		5.7	5.6	5.4	5.3	5.2	5.5	5.4	5.2	4.8	4.5	5.7	5.3	4.7	4.3		
40.0			3.4	3.7		4.8	5.0	4.9	4.8	4.7	5.0	4.9	4.8	4.5	4.3	5.2	5.0	4.4	4.0		
42.0						3.5	4.4	4.4	4.3		4.5	4.4	4.3	4.2	4.0	4.7	4.6	4.2	3.8	3.5	
44.0						2.4	3.1	4.0	3.9		4.0	4.0	3.9	3.9		4.2	4.2	3.9	3.5	3.3	
46.0								2.8	3.3		3.1	3.5	3.5	3.5		3.8	3.8	3.6	3.3	3.1	
48.0												3.0	3.1	3.1		3.4	3.4	3.4	3.1	2.9	
50.0													2.8	2.8		2.9	3.0	3.0	2.9	2.8	
54.0																	2.3	2.4	2.4		
58.0																		1.9	1.9		
θ (°)	54 to 84.5		55 to 84.5		66 to 84.5	53 to 84.5	55 to 84.5	56 to 84.5	57 to 84.5	65 to 84.5	56 to 84.5	57 to 84.5	59 to 84.5	62 to 84.5	72 to 84.5	57 to 84.5	58 to 84.5	59 to 84.5	62 to 84.5	73 to 84.5	
Standard hook block	25t															11.3t					
Hook block weight	870kg															440kg					
Standard number of parts of line	2															1					

Note) Counterweight 78t, outrigger extension width 8.5m, or counterweight 78t, outrigger extension width 8.0m

Capacity FE

55.6m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset					
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	
12.0	14.6																				
14.0	14.6	13.7																			
16.0	13.4	12.5				12.0															
18.0	12.3	11.5	10.6	10.0		11.0	10.0				9.4										
20.0	11.2	10.6	9.8	9.3	8.9	10.0	9.2				9.4					6.4					
22.0	10.3	9.8	9.1	8.6	8.4	9.2	8.5	7.8			8.7	8.0				6.4					
24.0	9.6	9.0	8.5	8.1	7.8	8.5	7.9	7.2			8.1	7.4				6.4					
26.0	8.6	8.4	7.9	7.6	7.4	7.9	7.4	6.8	6.4		7.5	6.9				6.4	6.3				
28.0	7.6	7.5	7.3	7.1	6.9	7.3	6.9	6.3	6.0	5.7	6.9	6.4	5.8			6.4	5.9				
30.0	6.6	6.5	6.4	6.3	6.2	6.6	6.4	5.9	5.5	5.3	6.5	6.0	5.5			6.0	5.5				
32.0	5.8	5.7	5.6	5.6	5.5	5.8	5.7	5.4	5.1	4.9	6.0	5.6	5.1			5.6	5.2				
34.0	5.0	5.0	4.9	4.8	4.8	5.0	5.0	4.9	4.6	4.4	5.4	5.1	4.7	4.4		5.1	4.7	4.3			
36.0	4.3	4.3	4.2	4.2		4.4	4.4	4.4	4.2	4.1	4.7	4.6	4.2	4.0	3.8	4.6	4.3	3.9			
38.0	3.6	3.6	3.6	3.6		3.8	3.8	3.8	3.8	3.7	4.2	4.2	3.9	3.6	3.5	4.2	3.9	3.6			
40.0		3.0	3.0	3.0		3.2	3.3	3.3	3.3	3.3	3.6	3.7	3.5	3.3	3.2	3.8	3.5	3.3	3.1		
42.0				2.5		2.7	2.8	2.8	2.9	2.8	3.1	3.2	3.2	3.0	2.9	3.3	3.2	2.9	2.8		
44.0							2.3	2.4	2.4		2.7	2.8	2.8	2.7	2.6	2.8	2.9	2.7	2.5	2.4	
46.0								2.0	2.0		2.2	2.3	2.5	2.4		2.4	2.6	2.4	2.3	2.2	
48.0											1.8	2.0	2.1	2.2		2.0	2.2	2.1	2.0	1.9	
50.0												1.6	1.7	1.8		1.7	1.9	1.9	1.8	1.7	
θ (°)	57 to 84.5	58 to 84.5	57 to 84.5	66 to 84.5	58 to 84.5	59 to 84.5	60 to 84.5	61 to 84.5	66 to 84.5	58 to 84.5	59 to 84.5	63 to 84.5	65 to 84.5	73 to 84.5	61 to 84.5	64 to 84.5	69 to 84.5	73 to 84.5	75 to 84.5		
Standard hook block	25t															11.3t					
Hook block weight	870kg															440kg					
Standard number of parts of line	2															1					

Note) Counterweight 78t, outrigger extension width 8.5m, or counterweight 78t, outrigger extension width 8.0m

Full Automatic Luffing Jib

Capacity FE

60.0m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	
14.0	12.0																			
16.0	11.7	11.0				8.0														
18.0	10.7	10.0	9.3			8.0					7.1									
20.0	9.7	9.2	8.6	8.2		8.0	8.0				7.1									
22.0	8.9	8.5	7.9	7.6	7.3	8.0	7.8				7.1					5.7				
24.0	8.2	7.8	7.4	7.1	6.9	7.7	7.2	6.6			7.1	6.6				5.7				
26.0	7.1	7.1	6.8	6.6	6.4	7.1	6.7	6.2			6.6	6.1				5.7				
28.0	6.2	6.1	6.1	6.0	5.8	6.5	6.2	5.8	5.5		6.1	5.7				5.7	5.3			
30.0	5.3	5.3	5.2	5.2	5.1	5.7	5.7	5.3	5.0	4.8	5.7	5.3	4.9			5.3	5.0			
32.0	4.5	4.5	4.5	4.5	4.4	4.9	5.0	4.8	4.5	4.3	5.1	4.8	4.4			4.8	4.5			
34.0	3.8	3.8	3.8	3.8	3.7	4.2	4.3	4.3	4.1	3.9	4.4	4.3	4.0	3.8		4.3	4.1			
36.0	3.1	3.2	3.2	3.2		3.6	3.7	3.8	3.7	3.5	3.8	3.8	3.6	3.4		3.9	3.7	3.4		
38.0	2.5	2.6	2.6	2.6		3.0	3.1	3.2	3.3	3.2	3.3	3.4	3.2	3.1	2.9	3.5	3.3	3.1		
40.0			2.1	2.1		2.5	2.6	2.7	2.8	2.7	2.8	2.9	2.9	2.7	2.6	3.0	2.9	2.7		
42.0						2.0	2.1	2.2	2.3	2.3	2.3	2.5	2.6	2.4	2.3	2.5	2.6	2.4	2.3	
44.0							1.7	1.8	1.9		1.9	2.0	2.2	2.2	2.1	2.1	2.3	2.2	2.1	
46.0												1.6	1.8	1.9	1.8	1.7	1.9	1.9	1.8	
48.0														1.6			1.6	1.6	1.6	
θ (°)	61 to 84.5	62 to 84.5	61 to 84.5	62 to 84.5	69 to 84.5	62 to 84.5	65 to 84.5	66 to 84.5	69 to 84.5	64 to 84.5	65 to 84.5	69 to 84.5	70 to 84.5	73 to 84.5	66 to 84.5	67 to 84.5	72 to 84.5	76 to 84.5		
Standard hook block	25t					11.3t														
Hook block weight	870kg					440kg														
Standard number of parts of the	2					1														

Note) Counterweight 78t, outrigger extension width 8.5m, or counterweight 78t, outrigger extension width 8.0m

Capacity FF

40.4m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
9.0	39.9																			
10.0	37.4					16.7														
11.0	35.2	33.2				16.7														
12.0	33.3	31.5				16.7														
14.0	29.9	28.4	26.8			16.7	16.7				16.1									
16.0	27.0	25.9	24.5	23.6	22.7	16.7	16.7				15.6					10.9				
18.0	24.6	23.7	22.6	21.8	21.3	16.7	16.7	16.7			15.2	13.8				10.8				
20.0	22.6	21.8	20.9	20.2	19.8	16.7	16.7	16.7			14.7	13.3				10.6				
22.0	18.2	19.3	19.4	18.9	18.5	16.7	16.7	16.7	14.4		14.2	12.8				10.3	9.4			
24.0	14.2	15.4	16.8	17.6	17.4	16.7	16.7	16.2	14.0	12.9	13.7	12.4				10.1	9.0			
26.0	10.8	11.9	13.2	14.1	14.4	14.1	15.7	15.4	13.7	12.7	13.2	12.0	10.8			9.8	8.6			
28.0	8.1	9.0	10.1	10.9	11.0	11.3	12.8	14.4	13.3	12.5	12.8	11.7	10.4			9.4	8.3			
30.0	5.8	6.6	7.5	8.1		8.9	10.3	12.1	13.0	12.4	11.1	11.4	10.1	9.3		9.0	7.9	6.9		
32.0	3.8	4.5	5.3	5.7		6.8	8.1	9.7	10.9	11.5	9.0	10.8	9.8	9.1	8.4	8.6	7.6	6.6		
34.0			3.3	3.6		5.0	6.2	7.6	8.6	9.0	7.2	8.8	9.5	8.9	8.2	8.3	7.4	6.4		
36.0						3.5	4.5	5.8	6.6		5.6	7.0	9.0	8.7	8.1	7.6	7.1	6.2	5.7	
38.0							3.0	4.1	4.8		4.2	5.5	7.3	8.5	8.1	6.2	6.9	6.0	5.5	
40.0								2.6	3.2		2.9	4.1	5.7	7.0		4.9	6.5	5.9	5.4	5.1
42.0												2.9	4.4	5.4		3.8	5.2	5.7	5.3	5.1
44.0													3.1	4.0		2.7	4.1	5.6	5.2	5.0
46.0																	3.0	4.7	5.1	5.0
48.0																	2.1	3.6	4.7	
50.0																		2.6	3.6	
θ (°)	53 to 84.5	55 to 84.5	54 to 84.5	55 to 84.5	64 to 84.5	56 to 84.5	55 to 84.5	57 to 84.5	66 to 84.5	56 to 84.5	57 to 84.5	60 to 84.5	63 to 84.5	73 to 84.5	56 to 84.5	57 to 84.5	60 to 84.5	64 to 84.5	72 to 84.5	
Standard hook block	80t					25t					11.3t									
Hook block weight	1270kg					870kg					440kg									
Standard number of parts of line	4					2					1									

Note) Counterweight 78t, outrigger extension width 6.8m, or counterweight 58t, outrigger extension width 8.5m, or counterweight 58t, outrigger extension width 8.0m

Capacity FF

45.4m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
10.0	29.6																			
11.0	28.4					16.7														
12.0	26.9	25.0				16.7														
14.0	24.2	22.7				16.7														
16.0	22.0	20.8	19.4	18.4		16.7	16.7				14.8					10.4				
18.0	20.2	19.1	17.9	17.1	16.6	16.7	16.7				14.4					10.2				
20.0	18.6	17.7	16.6	16.0	15.5	16.7	15.8	14.6			14.1	13.0				10.0				
22.0	17.2	16.4	15.5	14.9	14.6	15.7	14.7	13.7			13.7	12.6				9.8				
24.0	14.2	15.3	14.5	14.0	13.7	14.5	13.7	12.8	12.2	11.8	13.4	12.2				9.6	8.8			
26.0	10.9	12.0	13.4	13.2	13.0	13.5	12.8	12.0	11.5	11.1	12.5	11.7				9.4	8.5			
28.0	8.1	9.1	10.3	11.1	11.4	11.1	12.0	11.3	10.8	10.5	11.7	11.0	10.2			9.3	8.1			
30.0	5.8	6.7	7.7	8.4	8.5	8.7	10.2	10.7	10.2	10.0	10.8	10.3	9.7			8.9	7.8			
32.0		4.6	5.5	6.0		6.7	8.0	9.7	9.7	9.5	8.7	9.1	8.7			8.6	7.6	6.5		
34.0						4.9	6.1	7.6	8.8	9.1	6.9	8.6	8.6	8.3	8.1	8.2	7.3	6.3		
36.0							4.4	5.8	6.8	7.2	5.3	6.9	8.2	7.9	7.7	7.3	7.0	6.2	5.6	
38.0								4.2	5.0	5.2	3.9	5.3	7.2	7.5	7.3	5.9	6.8	6.0	5.5	
40.0									3.4			4.0	5.7	7.0	6.9	4.6	6.2	5.8	5.4	5.1
42.0													4.3	5.5		3.4	5.0	5.7	5.2	5.1
44.0														4.1			3.8	5.5	5.1	5.0
46.0																	2.8	4.5	5.0	4.9
48.0																		3.5	4.7	4.9
50.0																			3.6	
θ (°)	60 to 84.5	59 to 84.5	61 to 84.5	62 to 84.5	65 to 84.5	62 to 84.5	61 to 84.5	65 to 84.5	61 to 84.5	63 to 84.5	65 to 84.5	66 to 84.5	72 to 84.5	61 to 84.5	62 to 84.5	66 to 84.5	67 to 84.5	72 to 84.5		
Standard hook block	80t					25t					11.3t									
Hook block weight	1270kg					870kg					440kg									
Standard number of parts of line	4					2					1									

Note) Counterweight 78t, outrigger extension width 6.8m, or counterweight 58t, outrigger extension width 8.5m, or counterweight 58t, outrigger extension width 8.0m

Full Automatic Luffing Jib

Capacity FF

50.5m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset									
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°					
11.0	20.8																								
12.0	19.8																								
14.0	18.0	16.3				15.8																			
16.0	16.5	15.1	13.5			14.4	12.8				12.8														
18.0	15.0	14.0	12.7	11.8	11.2	13.3	11.9				11.8					9.1									
20.0	13.7	13.0	11.9	11.1	10.6	12.3	11.1				10.9	9.7				9.1									
22.0	12.6	12.1	11.2	10.5	10.1	11.4	10.4	9.2			10.1	9.0				9.1									
24.0	11.6	11.1	10.5	10.0	9.6	10.7	9.7	8.7	8.0		9.5	8.5				8.8									
26.0	10.7	10.3	9.9	9.5	9.2	10.0	9.1	8.2	7.6	7.2	8.8	8.0	7.0			8.2	7.4								
28.0	8.4	9.4	9.2	9.0	8.8	9.3	8.6	7.8	7.3	6.9	8.3	7.5	6.7			7.7	6.9								
30.0	6.1	7.0	8.1	8.2	8.0	8.6	8.2	7.4	6.9	6.6	7.8	7.1	6.3			7.3	6.5								
32.0			5.9	6.5	6.7	6.8	7.6	7.0	6.6	6.4	7.4	6.7	6.0	5.5		6.8	6.2	5.5							
34.0						5.0	6.2	6.6	6.3	6.1	6.8	6.4	5.7	5.3	5.0	6.5	5.9	5.2							
36.0							4.6	6.0	5.9	5.7	5.3	6.0	5.4	5.1	4.8	6.1	5.5	5.0							
38.0								4.4	5.3	5.2		5.4	5.2	4.8	4.5	5.7	5.3	4.7	4.3						
40.0													4.8	4.5	4.3	4.5	5.0	4.4	4.0						
42.0													4.3	4.2	4.0		4.6	4.2	3.8	3.5					
44.0														3.9			3.8	3.9	3.5	3.3					
46.0																		3.6	3.3	3.1					
48.0																			3.4	3.1	2.9				
50.0																				2.9					
θ (°)	63 to 84.5	65 to 84.5	64 to 84.5	65 to 84.5	66 to 84.5	63 to 84.5	64 to 84.5	65 to 84.5	67 to 84.5	68 to 84.5	65 to 84.5	67 to 84.5	68 to 84.5	72 to 84.5	65 to 84.5	67 to 84.5	68 to 84.5	70 to 84.5	75 to 84.5						
Standard hook block																25t					11.3t				
Hook block weight																870kg					440kg				
Standard number of parts of line																2					1				

Note) Counterweight 78t, outrigger extension width 6.8m, or counterweight 58t, outrigger extension width 8.5m, or counterweight 58t, outrigger extension width 8.0m

Capacity FF

55.6m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset									
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°					
12.0	14.6																								
14.0	14.6	13.7																							
16.0	13.4	12.5				12.0																			
18.0	12.3	11.5	10.6	10.0		11.0	10.0				9.4														
20.0	11.2	10.6	9.8	9.3	8.9	10.0	9.2				9.4					6.4									
22.0	10.3	9.8	9.1	8.6	8.4	9.2	8.5	7.8			8.7	8.0				6.4									
24.0	9.6	9.0	8.5	8.1	7.8	8.5	7.9	7.2			8.1	7.4				6.4									
26.0	8.6	8.4	7.9	7.6	7.4	7.9	7.4	6.8	6.4		7.5	6.9				6.4	6.3								
28.0	7.6	7.5	7.3	7.1	6.9	7.3	6.9	6.3	6.0	5.7	6.9	6.4	5.8			6.4	5.9								
30.0	6.6	6.5	6.4	6.3	6.2	6.6	6.4	5.9	5.5	5.3	6.5	6.0	5.5			6.0	5.5								
32.0		5.5	5.6	5.6	5.5	5.8	5.7	5.4	5.1	4.9	6.0	5.6	5.1			5.6	5.2								
34.0				4.8	4.8		5.0	4.9	4.6	4.4	5.4	5.1	4.7	4.4		5.1	4.7	4.3							
36.0								4.4	4.2	4.1	4.7	4.6	4.2	4.0	3.8	4.6	4.3	3.9							
38.0									3.8	3.7	4.2	4.2	3.9	3.6	3.5	4.2	3.9	3.6							
40.0												3.7	3.5	3.3	3.2	3.8	3.5	3.3	3.1						
42.0													3.2	3.0	2.9		3.2	2.9	2.8						
44.0														2.7	2.6			2.7	2.5	2.4					
46.0																		2.4	2.3	2.2					
48.0																			2.0	1.9					
50.0																				1.8					
θ (°)	66 to 84.5	65 to 84.5	67 to 84.5	66 to 84.5		67 to 84.5	68 to 84.5	69 to 84.5	70 to 84.5		66 to 84.5	68 to 84.5	70 to 84.5	71 to 84.5	73 to 84.5	69 to 84.5	70 to 84.5	72 to 84.5	73 to 84.5	77 to 84.5					
Standard hook block																25t					11.3t				
Hook block weight																870kg					440kg				
Standard number of parts of line																2					1				

Note) Counterweight 78t, outrigger extension width 6.8m, or counterweight 58t, outrigger extension width 8.5m, or counterweight 58t, outrigger extension width 8.0m

Capacity FF

60.0m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	
14.0	12.0																			
16.0	11.7	11.0				8.0														
18.0	10.7	10.0	9.3			8.0					7.1									
20.0	9.7	9.2	8.6	8.2		8.0	8.0				7.1									
22.0	8.9	8.5	7.9	7.6	7.3	8.0	7.8				7.1					5.7				
24.0	8.2	7.8	7.4	7.1	6.9	7.7	7.2	6.6			7.1	6.6				5.7				
26.0	7.1	7.1	6.8	6.6	6.4	7.1	6.7	6.2			6.6	6.1				5.7				
28.0	6.2	6.1	6.1	6.0	5.8	6.5	6.2	5.8	5.5		6.1	5.7				5.7	5.3			
30.0		5.3	5.2	5.2	5.1	5.7	5.7	5.3	5.0	4.8	5.7	5.3	4.9			5.3	5.0			
32.0			4.5	4.5	4.4	4.9	5.0	4.8	4.5	4.3	5.1	4.8	4.4			4.8	4.5			
34.0							4.3	4.3	4.1	3.9	4.4	4.3	4.0	3.8		4.3	4.1			
36.0								3.8	3.7	3.5	3.8	3.8	3.6	3.4		3.9	3.7	3.4		
38.0									3.3	3.2		3.4	3.2	3.1	2.9	3.5	3.3	3.1		
40.0										2.7			2.9	2.7	2.6		2.9	2.7		
42.0													2.4	2.3				2.4	2.3	
44.0													2.2	2.1				2.2	2.1	
46.0																			1.8	
48.0																			1.6	
θ (°)	70 to 84.5	69 to 84.5	70 to 84.5	71 to 84.5		70 to 84.5	71 to 84.5	72 to 84.5	71 to 84.5		70 to 84.5	71 to 84.5	73 to 84.5	75 to 84.5		72 to 84.5	73 to 84.5	75 to 84.5	76 to 84.5	
Standard hook block	25t					11.3t														
Hook block weight	870kg					440kg														
Standard number of parts of line	2					1														

Note) Counterweight 78t, outrigger extension width 6.8m, or counterweight 58t, outrigger extension width 8.5m, or counterweight 58t, outrigger extension width 8.0m

Full Automatic Luffing Jib

Capacity FG

40.4m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset										
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°						
9.0	39.9																									
10.0	37.4					16.7																				
11.0	35.2	33.2				16.7																				
12.0	33.3	31.5				16.7																				
14.0	29.9	28.4	26.8			16.7	16.7				16.1															
16.0	27.0	25.9	24.5	23.6	22.7	16.7	16.7				15.6					10.9										
18.0	22.6	23.7	22.6	21.8	21.3	16.7	16.7	16.7			15.2	13.8				10.8										
20.0	17.7	19.0	20.6	20.2	19.8	16.7	16.7	16.7			14.7	13.3				10.6										
22.0	13.4	14.7	16.4	17.4	17.9	16.6	16.7	16.7	14.4		14.2	12.8				10.3	9.4									
24.0	9.9	11.1	12.6	13.6	14.1	13.2	15.0	16.2	14.0	12.9	13.7	12.4				10.1	9.0									
26.0	7.1	8.1	9.4	10.2	10.6	10.2	12.0	14.1	13.7	12.7	12.5	12.0	10.8			9.8	8.6									
28.0		5.6	6.7	7.4	7.6	7.8	9.3	11.4	12.8	12.5	10.0	11.7	10.4			9.4	8.3									
30.0				5.0		5.7	7.1	8.9	10.3	11.1	7.9	9.8	10.1	9.3		9.0	7.9	6.9								
32.0						3.9	5.1	6.8	8.0	8.5	6.1	7.8	9.8	9.1	8.4	8.1	7.6	6.6								
34.0								4.9	5.9	6.3	4.5	6.0	8.2	8.9	8.2	6.5	7.4	6.4								
36.0									4.1			4.5	6.4	8.0	8.1	5.1	6.9	6.2	5.7							
38.0													4.9	6.3	7.0	3.8	5.5	6.0	5.5							
40.0														4.7			4.2	5.9	5.4	5.1						
42.0																3.1	5.0	5.3	5.1							
44.0																	3.8	5.2	5.0							
46.0																		4.0	4.8							
48.0																			2.9							
θ (°)	61 to 84.5		63 to 84.5		64 to 84.5		61 to 84.5		63 to 84.5		66 to 84.5		64 to 84.5		67 to 84.5		62 to 84.5		63 to 84.5		67 to 84.5		66 to 84.5		72 to 84.5	
Standard hook block	80t										25t					11.3t										
Hook block weight	1270kg										870kg					440kg										
Standard number of parts of line	4										2					1										

Note) Counterweight 58t, outrigger extension width 6.8m, or counterweight 47t, Outrigger extension width 8.5m, or counterweight 47t, Outrigger extension width 8.0m

Capacity FG

45.4m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset										
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°						
10.0	29.6																									
11.0	28.4					16.7																				
12.0	26.9	25.0				16.7																				
14.0	24.2	22.7				16.7																				
16.0	22.0	20.8	19.4	18.4		16.7	16.7				14.8					10.4										
18.0	20.2	19.1	17.9	17.1	16.6	16.7	16.7				14.4					10.2										
20.0	17.7	17.7	16.6	16.0	15.5	16.7	15.8	14.6			14.1	13.0				10.0										
22.0	13.4	14.8	15.5	14.9	14.6	15.7	14.7	13.7			13.7	12.6				9.8										
24.0	10.0	11.2	12.7	13.8	13.7	13.0	13.7	12.8	12.2	11.8	13.4	12.2				9.6	8.8									
26.0	7.1	8.2	9.5	10.5	10.9	10.1	11.9	12.0	11.5	11.1	12.2	11.7				9.4	8.5									
28.0			6.9	7.6	7.9	7.6	9.2	11.3	10.8	10.5	9.7	11.0	10.2			9.3	8.1									
30.0						5.6	7.0	8.9	10.2	10.0	7.6	9.6	9.7			8.9	7.8									
32.0							5.1	6.8	8.1	8.8	5.8	7.6	9.1	8.7		7.8	7.6	6.5								
34.0								4.9	6.0	6.6		5.8	8.1	8.3	8.1	6.2	7.3	6.3								
36.0										4.6			6.4	7.9	7.7	4.8	6.6	6.2	5.6							
38.0													4.8	6.3	7.2		5.2	6.0	5.5							
40.0														4.7	5.5		4.0	5.8	5.4	5.1						
42.0																	4.9	5.2	5.1							
44.0																	3.7	5.1	5.0							
46.0																		4.0	4.9							
θ (°)	65 to 84.5		66 to 84.5		68 to 84.5		66 to 84.5		67 to 84.5		67 to 84.5		68 to 84.5		69 to 84.5		66 to 84.5		68 to 84.5		70 to 84.5		72 to 84.5		74 to 84.5	
Standard hook block	80t										25t					11.3t										
Hook block weight	1270kg										870kg					440kg										
Standard number of parts of line	4										2					1										

Note) Counterweight 58t, outrigger extension width 6.8m, or counterweight 47t, outrigger extension width 8.5m, or counterweight 47t, outrigger extension width 8.0m

Capacity FG

50.5m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
11.0	20.8																			
12.0	19.8																			
14.0	18.0	16.3				15.8														
16.0	16.5	15.1	13.5			14.4	12.8				12.8									
18.0	15.0	14.0	12.7	11.8	11.2	13.3	11.9				11.8					9.1				
20.0	13.7	13.0	11.9	11.1	10.6	12.3	11.1				10.9	9.7				9.1				
22.0	12.6	12.1	11.2	10.5	10.1	11.4	10.4	9.2			10.1	9.0				9.1				
24.0	10.3	11.1	10.5	10.0	9.6	10.7	9.7	8.7	8.0		9.5	8.5				8.8				
26.0	7.4	8.5	9.9	9.5	9.2	10.0	9.1	8.2	7.6	7.2	8.8	8.0	7.0			8.2	7.4			
28.0			7.2	8.1	8.4	7.8	8.6	7.8	7.3	6.9	8.3	7.5	6.7			7.7	6.9			
30.0						7.2	7.4	6.9	6.6	7.6	7.1	6.3				7.3	6.5			
32.0							7.0	6.6	6.4		6.7	6.0	5.5			6.8	6.2	5.5		
34.0								6.3	6.1		5.9	5.7	5.3	5.0		6.1	5.9	5.2		
36.0												5.4	5.1	4.8		4.7	5.5	5.0		
38.0													4.8	4.5		5.2	4.7	4.3		
40.0														4.3		4.4	4.0			
42.0																4.2	3.8	3.5		
44.0																	3.5	3.3		
46.0																	3.3	3.1		
θ (°)	67 to 84.5	69 to 84.5	70 to 84.5			69 to 84.5	71 to 84.5	72 to 84.5			70 to 84.5	73 to 84.5	74 to 84.5			68 to 84.5	71 to 84.5	73 to 84.5	74 to 84.5	77 to 84.5
Standard hook block	25t										11.3t									
Hook block weight	870kg										440kg									
Standard number of parts of line	2										1									

Note) Counterweight 58t, outrigger extension width 6.8m, or counterweight 47t, outrigger extension width 8.5m, or counterweight 47t, outrigger extension width 8.0m

Capacity FG

55.6m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	
12.0	14.6																			
14.0	14.6	13.7																		
16.0	13.4	12.5				12.0														
18.0	12.3	11.5	10.6	10.0		11.0	10.0				9.4									
20.0	11.2	10.6	9.8	9.3	8.9	10.0	9.2				9.4					6.4				
22.0	10.3	9.8	9.1	8.6	8.4	9.2	8.5	7.8			8.7	8.0				6.4				
24.0	9.6	9.0	8.5	8.1	7.8	8.5	7.9	7.2			8.1	7.4				6.4				
26.0	8.0	8.4	7.9	7.6	7.4	7.9	7.4	6.8	6.4		7.5	6.9				6.4	6.3			
28.0			7.3	7.1	6.9	7.3	6.9	6.3	6.0	5.7	6.9	6.4	5.8			6.4	5.9			
30.0					6.2		6.4	5.9	5.5	5.3	6.5	6.0	5.5			6.0	5.5			
32.0								5.4	5.1	4.9	6.0	5.6	5.1			5.6	5.2			
34.0									4.6	4.4		5.1	4.7	4.4		5.1	4.7	4.3		
36.0												4.2	4.0	3.8			4.3	3.9		
38.0												3.9	3.6	3.5				3.6		
40.0													3.3	3.2				3.3	3.1	
42.0																		2.9	2.8	
44.0																			2.5	
θ (°)	69 to 84.5	71 to 84.5	72 to 84.5	71 to 84.5	71 to 84.5	72 to 84.5	73 to 84.5	74 to 84.5			71 to 84.5	73 to 84.5	75 to 84.5	77 to 84.5	73 to 84.5	75 to 84.5	78 to 84.5			
Standard hook block	25t										11.3t									
Hook block weight	870kg										440kg									
Standard number of parts of line	2										1									

Note) Counterweight 58t, outrigger extension width 6.8m, or counterweight 47t, outrigger extension width 8.5m, or counterweight 47t, outrigger extension width 8.0m

Full Automatic Luffing Jib

Capacity FG

60.0m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset				31.0m Offset			
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	5°	15°	30°	
14.0	12.0																	
16.0	11.7	11.0				8.0												
18.0	10.7	10.0	9.3			8.0					7.1							
20.0	9.7	9.2	8.6	8.2		8.0	8.0				7.1							
22.0	8.9	8.5	7.9	7.6	7.3	8.0	7.8				7.1				5.7			
24.0	8.2	7.8	7.4	7.1	6.9	7.7	7.2	6.6			7.1	6.6			5.7			
26.0		7.1	6.8	6.6	6.4	7.1	6.7	6.2			6.6	6.1			5.7			
28.0				6.0	5.8	6.5	6.2	5.8	5.5		6.1	5.7			5.7	5.3		
30.0							5.7	5.3	5.0	4.8	5.7	5.3	4.9		5.3	5.0		
32.0								4.8	4.5	4.3		4.8	4.4		4.8	4.5		
34.0									4.1	3.9			4.0	3.8		4.1		
36.0													3.6	3.4		3.7	3.4	
38.0														3.1			3.1	
40.0																	2.7	
θ (°)	73 to 84.5	75 to 84.5	74 to 84.5	75 to 84.5		74 to 84.5	75 to 84.5	77 to 84.5	74 to 84.5	75 to 84.5	76 to 84.5	78 to 84.5	76 to 84.5	78 to 84.5				
Standard hook block	25t					11.3t												
Hook block weight	870kg					440kg												
Standard number of parts of the	2					1												

Note) Counterweight 58t, outrigger extension width 6.8m, or counterweight 47t, outrigger extension width 8.5m, or counterweight 47t, outrigger extension width 8.0m

Capacity FH

40.4m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
9.0	39.9																			
10.0	37.4					16.7														
11.0	35.2	33.2				16.7														
12.0	33.3	31.5				16.7														
14.0	29.9	28.4	26.8			16.7	16.7				16.1									
16.0	23.6	25.3	24.5	23.6	22.7	16.7	16.7				15.6					10.9				
18.0	18.0	19.4	21.3	21.8	21.3	16.7	16.7	16.7			15.2	13.8				10.8				
20.0	13.1	14.7	16.5	17.7	18.4	16.4	16.7	16.7			14.7	13.3				10.6				
22.0	9.3	10.7	12.4	13.7	14.3	12.7	14.7	16.7	14.4		14.2	12.8				10.3	9.4			
24.0	6.3	7.5	8.9	10.0	10.5	9.5	11.5	13.8	14.0	12.9	11.9	12.4				10.1	9.0			
26.0			6.1	6.9	7.2	6.9	8.7	11.0	12.6	12.7	9.2	11.5	10.8			9.8	8.6			
28.0							6.3	8.3	9.9	10.9	7.0	9.1	10.4			9.1	8.3			
30.0								6.1	7.5	8.2	5.1	7.0	9.6		9.3	7.2	7.9	6.9		
32.0									5.3	5.9		5.2	7.5		9.1	8.4	5.5	7.6	6.6	
34.0												5.7	7.5		8.2	4.1	6.0	6.4		
36.0													5.7		6.7		4.6	6.2	5.7	
38.0															4.9			5.6	5.5	
40.0																		4.3	5.4	5.1
42.0																			4.7	5.1
44.0																				4.4
θ (°)	64 to 84.5	66 to 84.5	67 to 84.5			67 to 84.5	68 to 84.5	69 to 84.5	66 to 84.5	68 to 84.5	71 to 84.5	73 to 84.5				66 to 84.5	69 to 84.5	71 to 84.5	73 to 84.5	74 to 84.5
Standard hook block	80t					25t					11.3t									
Hook block weight	1270kg					870kg					440kg									
Standard number of parts of line	4					2					1									

Note) Counterweight 47t, outrigger extension width 6.8m

Capacity FH

45.4m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	5°	15°	30°	45°	60°	
10.0	29.6																			
11.0	28.4					16.7														
12.0	26.9	25.0				16.7														
14.0	24.2	22.7				16.7														
16.0	22.0	20.8	19.4	18.4		16.7	16.7				14.8					10.4				
18.0	18.0	19.1	17.9	17.1	16.6	16.7	16.7				14.4					10.2				
20.0	13.2	14.7	16.6	16.0	15.5	16.3	15.8	14.6			14.1	13.0				10.0				
22.0	9.4	10.8	12.5	13.9	14.5	12.5	14.7	13.7			13.7	12.6				9.8				
24.0			9.1	10.2	10.8	9.4	11.4	12.8	12.2	11.8	11.6	12.2				9.6	8.8			
26.0				7.1	7.6	6.8	8.6	11.0	11.5	11.1	8.9	11.3				9.4	8.5			
28.0							6.2	8.3	10.0	10.5	6.7	8.9	10.2			8.8	8.1			
30.0								6.1	7.6	8.4		6.8	9.5			6.9	7.8			
32.0									6.1				7.4		5.2	7.4	6.5			
34.0													5.6		7.5	5.8	6.3			
36.0														5.7			6.2	5.6		
38.0																	5.5	5.5		
40.0																		5.4	5.1	
42.0																			4.7	5.1
44.0																				4.4
θ (°)	69 to 84.5	71 to 84.5	70 to 84.5	71 to 84.5		70 to 84.5	71 to 84.5	73 to 84.5	72 to 84.5	70 to 84.5	72 to 84.5	73 to 84.5	75 to 84.5			70 to 84.5	73 to 84.5	75 to 84.5	76 to 84.5	
Standard hook block	80t					25t					11.3t									
Hook block weight	1270kg					870kg					440kg									
Standard number of parts of line	4					2					1									

Note) Counterweight 47t, outrigger extension width 6.8m

Full Automatic Luffing Jib

Capacity FH

50.5m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset			31.0m Offset		
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	5°	15°	30°
11.0	20.8															
12.0	19.8															
14.0	18.0	16.3				15.8										
16.0	16.5	15.1	13.5			14.4	12.8				12.8					
18.0	15.0	14.0	12.7	11.8	11.2	13.3	11.9				11.8			9.1		
20.0	13.5	13.0	11.9	11.1	10.6	12.3	11.1				10.9	9.7		9.1		
22.0	9.7	11.1	11.2	10.5	10.1	11.4	10.4	9.2			10.1	9.0		9.1		
24.0			9.4	10.0	9.6	9.5	9.7	8.7	8.0		9.5	8.5		8.8		
26.0				8.0			8.7	8.2	7.6	7.2	8.8	8.0	7.0	8.2	7.4	
28.0								7.8	7.3	6.9		7.5	6.7	7.7	6.9	
30.0									6.9	6.6			6.3	6.8	6.5	
32.0										6.4			6.0		6.2	5.5
34.0															5.7	5.2
36.0																5.0
38.0																4.7
θ (°)	71 to 84.5	73 to 84.5	74 to 84.5	73 to 84.5	72 to 84.5	73 to 84.5	75 to 84.5	74 to 84.5	73 to 84.5	75 to 84.5	76 to 84.5	73 to 84.5	75 to 84.5	77 to 84.5	75 to 84.5	77 to 84.5
Standard hook block	25t												11.3t			
Hook block weight	870kg												440kg			
Standard number of parts of line	2												1			

Note) Counterweight 47t, outrigger extension width 6.8m

Capacity FH

55.6m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset				24.1m Offset			31.0m Offset	
	5°	15°	30°	45°	60°	5°	15°	30°	45°	5°	15°	30°	5°	15°
12.0	14.6													
14.0	14.6	13.7												
16.0	13.4	12.5				12.0								
18.0	12.3	11.5	10.6	10.0		11.0	10.0			9.4				
20.0	11.2	10.6	9.8	9.3	8.9	10.0	9.2			9.4			6.4	
22.0	10.3	9.8	9.1	8.6	8.4	9.2	8.5	7.8		8.7	8.0		6.4	
24.0			8.5	8.1	7.8	8.5	7.9	7.2		8.1	7.4		6.4	
26.0				7.6	7.4		7.4	6.8	6.4	7.5	6.9		6.4	6.3
28.0								6.3	6.0		6.4	5.8	6.4	5.9
30.0									5.5		6.0	5.5		5.5
32.0												5.1		5.2
θ (°)	73 to 84.5	75 to 84.5	74 to 84.5	75 to 84.5	74 to 84.5	75 to 84.5	76 to 84.5	77 to 84.5		76 to 84.5	78 to 84.5	77 to 84.5	78 to 84.5	78 to 84.5
Standard hook block	25t										11.3t			
Hook block weight	870kg										440kg			
Standard number of parts of line	2										1			

Note) Counterweight 47t, outrigger extension width 6.8m

Capacity FH

60.0m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset				17.2m Offset			24.1m Offset		31.0m Offset	
	5°	15°	30°	45°	5°	15°	30°	5°	15°	5°	
14.0	12.0										
16.0	11.7	11.0			8.0						
18.0	10.7	10.0	9.3		8.0			7.1			
20.0	9.7	9.2	8.6	8.2	8.0	8.0		7.1			
22.0		8.5	7.9	7.6	8.0	7.8		7.1		5.7	
24.0				7.1	7.7	7.2	6.6	7.1	6.6	5.7	
26.0						6.7	6.2	6.6	6.1	5.7	
28.0							5.8		5.7		
θ (°)	77 to 84.5	76 to 84.5	78 to 84.5		77 to 84.5	78 to 84.5	77 to 84.5	78 to 84.5	79 to 84.5		
Standard hook block	25t				11.3t						
Hook block weight	870kg				440kg						
Standard number of parts of line	2				1						

Note) Counterweight 47t, outrigger extension width 6.8m

Capacity FI

40.4m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset			31.0m Offset								
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	5°	15°	30°						
9.0	39.9																					
10.0	37.4					16.7																
11.0	35.2	33.2				16.7																
12.0	33.3	31.5				16.7																
14.0	25.6	27.8	26.8			16.7	16.7				16.1											
16.0	18.4	20.2	22.6	23.6	22.7	16.7	16.7				15.6			10.9								
18.0	12.8	14.7	16.7	18.3	19.2	16.3	16.7	16.7			15.2	13.8		10.8								
20.0		10.1	12.2	13.6	14.3	12.1	14.4	16.7			14.3	13.3		10.6								
22.0				9.5	10.2	8.5	10.8	13.4	14.4		11.0	12.8		10.3	9.4							
24.0							7.7	10.4	12.2	12.9	8.1	10.7		10.1	9.0							
26.0								7.5	9.4	10.4		8.1	10.8	8.0	8.6							
28.0									6.7	7.7			8.8		8.3							
30.0													6.6		6.6	6.9						
32.0																6.6						
34.0																6.2						
θ (°)	71 to 84.5		73 to 84.5		72 to 84.5		73 to 84.5		74 to 84.5		72 to 84.5		74 to 84.5		76 to 84.5		73 to 84.5		74 to 84.5		77 to 84.5	
Standard hook block	80t					25t					11.3t											
Hook block weight	1270kg					870kg					440kg											
Standard number of parts of rig	4					2					1											

Note) Counterweight 25t, outrigger extension width 8.5m, or counterweight 25t, outrigger extension width 8.0m

Capacity FI

45.4m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset			24.1m Offset		31.0m Offset			
	5°	15°	30°	45°	60°	5°	15°	30°	5°	15°	5°	15°		
10.0	29.6													
11.0	28.4					16.7								
12.0	26.9	25.0				16.7								
14.0	24.2	22.7				16.7								
16.0	18.4	20.2	19.4	18.4		16.7	16.7		14.8		10.4			
18.0	12.8	14.8	16.8	17.1	16.6	16.2	16.7		14.4		10.2			
20.0			12.3	13.7	14.5	11.9	14.3	14.6	14.1	13.0	10.0			
22.0					10.5		10.7	13.4	10.7	12.6	9.8			
24.0								10.3		10.5	9.6	8.8		
26.0											7.6	8.5		
28.0												8.1		
θ (°)	74 to 84.5		75 to 84.5		77 to 84.5		76 to 84.5		77 to 84.5		74 to 84.5		78 to 84.5	
Standard hook block	80t					25t			11.3t					
Hook block weight	1270kg					870kg			440kg					
Standard number of parts of rig	4					2			1					

Note) Counterweight 25t, outrigger extension width 8.5m, or counterweight 25t, outrigger extension width 8.0m

Capacity FI

50.5m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset			17.2m Offset		24.1m Offset		31.0m Offset					
	5°	15°	30°	5°	15°	5°	15°	5°					
11.0	20.8												
12.0	19.8												
14.0	18.0	16.3		15.8									
16.0	16.5	15.1	13.5	14.4	12.8	12.8							
18.0		14.0	12.7	13.3	11.9	11.8		9.1					
20.0			11.9	12.0	11.1	10.9	9.7	9.1					
22.0					10.4		9.0	9.1					
24.0							8.5	8.8					
θ (°)	77 to 84.5			76 to 84.5		77 to 84.5		78 to 84.5		79 to 84.5		77 to 84.5	
Standard hook block	25t							11.3t					
Hook block weight	870kg							440kg					
Standard number of parts of rig	2							1					

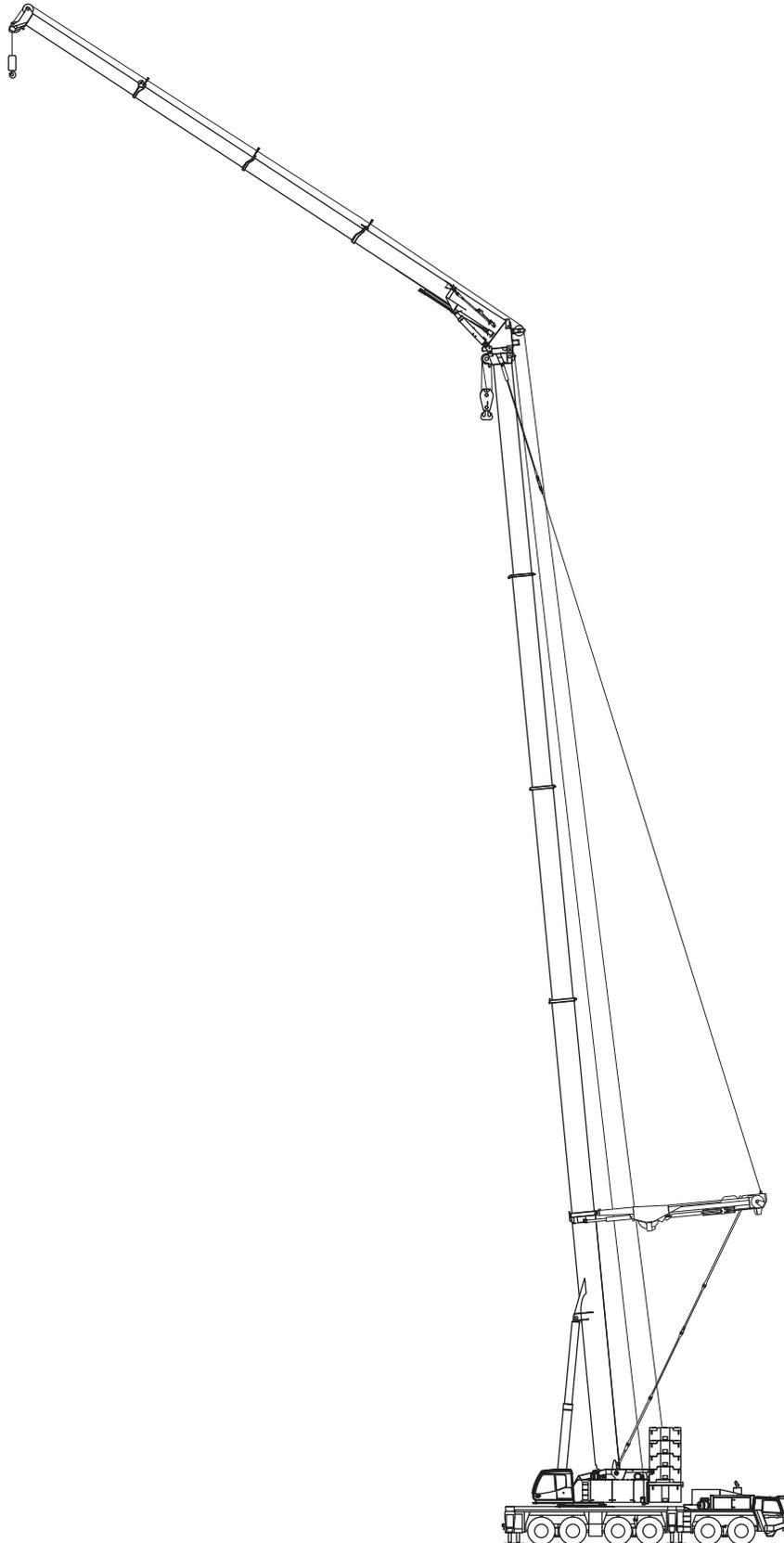
Note) Counterweight 25t, outrigger extension width 8.5m, or counterweight 25t, outrigger extension width 8.0m

FLJ

ALL TERRAIN CRANE

ATF360G-6

TRA + Full Automatic Luffing Jib

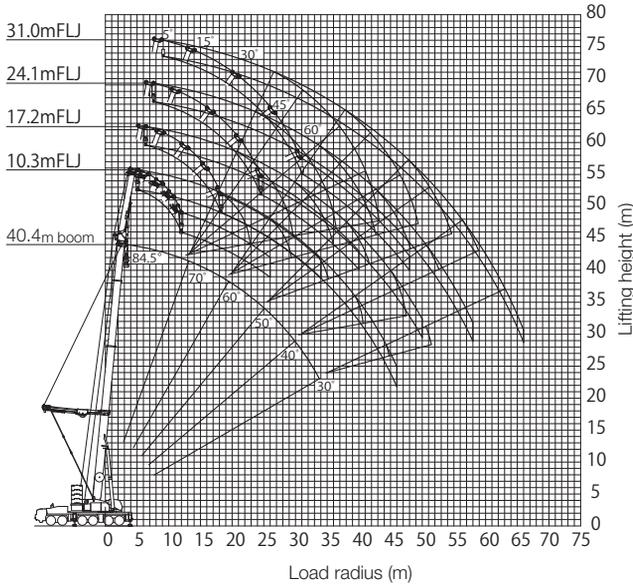


TRA
+FLJ

TRA + Full Automatic Luffing Jib

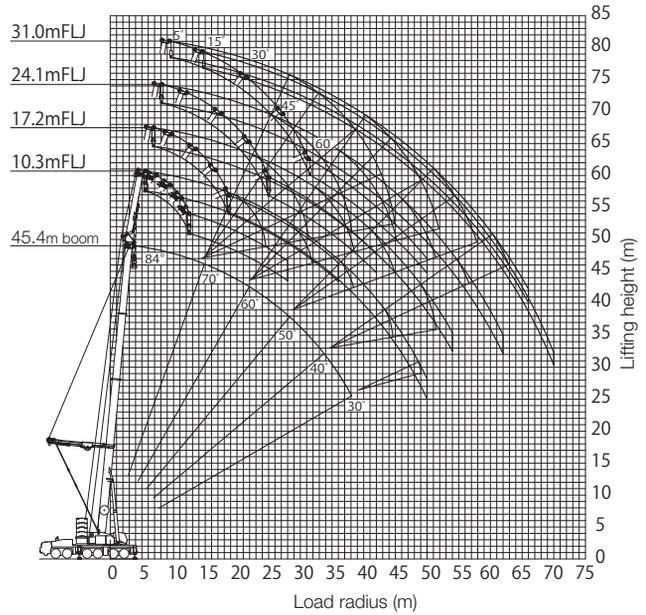
Working range chart for TRA + full automatic luffing jib (FLJ)

TRA + 40.4m boom + 1.6m + full automatic luffing jib



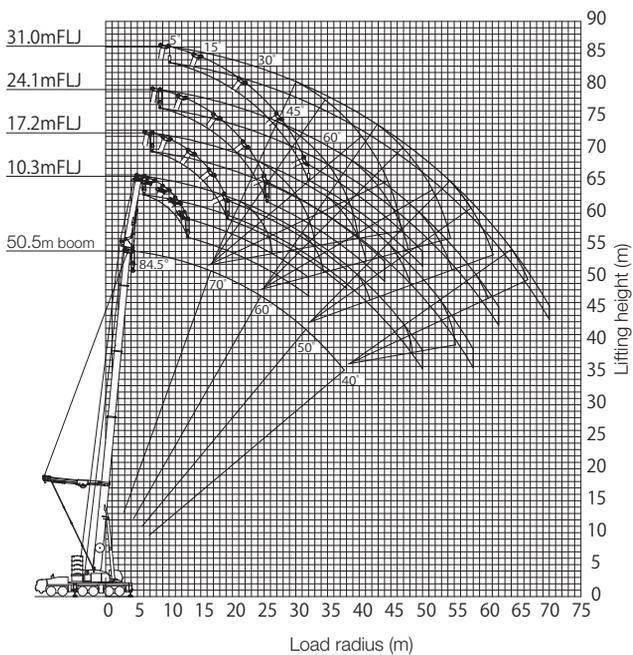
(Note) 1. The above drawing does not consider any boom and jib deflection.
2. The above drawing shows the maximum load radius for the capacity TFB.

TRA + 45.4m boom + 1.6m + full automatic luffing jib



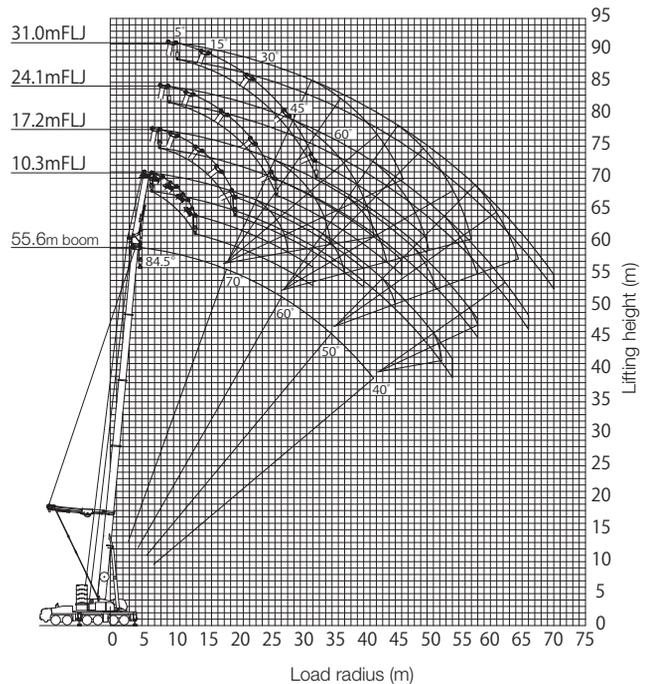
(Note) 1. The above drawing does not consider any boom and jib deflection.
2. The above drawing shows the maximum load radius for the capacity TFA.

TRA + 50.5m boom + 1.6m + full automatic luffing jib



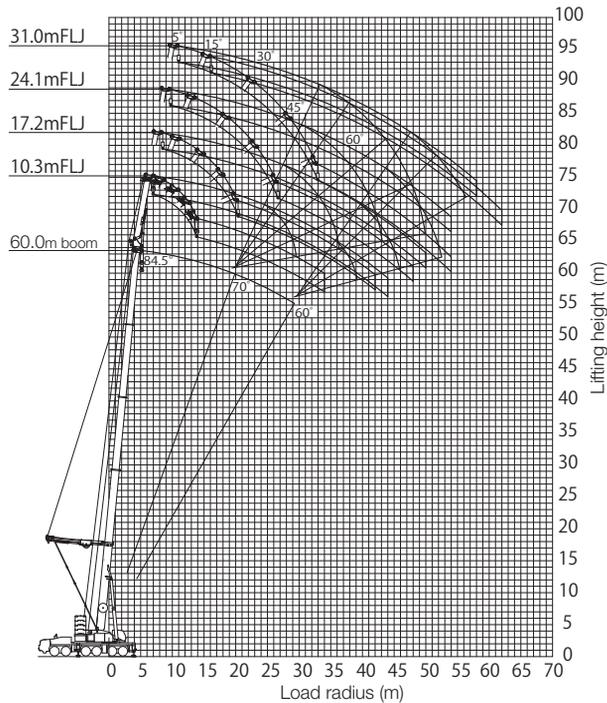
(Note) 1. The above drawing does not consider any boom and jib deflection.
2. The above drawing shows the maximum load radius for the capacity TFA.

TRA + 55.6m boom + 1.6m + full automatic luffing jib



(Note) 1. The above drawing does not consider any boom and jib deflection.
2. The above drawing shows the maximum load radius for the capacity TFA.

TRA + 60.0m boom + 1.6m + full automatic luffing jib



(Note) 1. The above drawing does not consider any boom and jib deflection.
 2. The above drawing shows the maximum load radius for the capacity TFA.

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

1. Capacity classifications TFA to TFG of the rated lifting capacity table are as follows in the table below.

Outrigger extension width	Counterweight	138 t	118 t	98 t	78 t	58 t	47 t
8.5 m		TFA	TFB	TFD	TFE	TFF	TFG
8.0 m			TFC	TFD	TFE	TFF	TFG
6.8 m					TFF	TFG	

2. The rated lifting capacity indicates the values including the mass of lifting devices and hook block (80t hook block: 1,270kg, 25t hook block: 870kg, 11.3t hook block: 440kg).

3. The rated lifting capacity is based on the actual load radius considering boom deflection.

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

Boom length	40.4 m	45.4 m	50.5 m	55.6 m	60.0 m
Telescopic section 1	90	90	90	90	100
Telescopic section 2	90	90	90	90	100
Telescopic section 3	45	90	90	90	100
Telescopic section 4	0	0	45	90	100

5. When the boom length is less than 40.4m, the capacity setting is not made.

Also, when the B-pins (boom fixing pins) are not inserted, operation is not allowed.

6. 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	3	2	1
Maximum load	33.5t	22.5t	11.3t

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

8. 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 10m/s or more.

9. Values above the thick line in the rated lifting capacity table 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.

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

TRA + Full Automatic Luffing Jib

Capacity TFA

TRA + 40.4m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
9.0	37.6																			
10.0	37.5					16.7														
11.0	37.4	38.1				16.7														
12.0	37.3	38.0				16.7														
14.0	37.2	37.8	30.0	25.5		16.7	16.7				16.4									
16.0	37.2	36.0	28.7	24.7	22.7	16.7	16.7				16.0					10.9				
18.0	37.1	33.9	27.5	24.0	22.3	16.7	16.7	16.7			15.6	14.2				10.9				
20.0	35.2	32.1	26.4	23.4	22.0	16.7	16.7	16.7	14.9		15.2	13.7				10.7				
22.0	33.5	30.5	25.5	22.8	21.8	16.7	16.7	16.7	14.4	13.1	14.8	13.3				10.5	9.8			
24.0	31.7	29.0	24.6	22.4	21.6	16.7	16.7	16.2	14.0	12.9	14.3	12.9	11.5			10.3	9.4			
26.0	28.4	27.7	23.9	21.9	21.4	16.7	16.7	15.6	13.7	12.7	13.8	12.5	11.1			10.1	9.0			
28.0	25.4	26.0	23.2	21.6		16.7	16.7	15.1	13.3	12.5	13.3	12.1	10.8	9.6		9.9	8.6	7.3		
30.0	22.5	23.1	22.6	21.3		16.7	16.7	14.6	13.0	12.4	12.9	11.8	10.5	9.3	8.5	9.5	8.3	7.1		
32.0	19.9	20.4	21.1	21.0		16.7	16.2	14.1	12.8	12.3	12.5	11.5	10.2	9.1	8.4	9.1	8.0	6.8		
34.0	17.4	18.0	18.6	18.9		16.6	15.6	13.7	12.5	12.2	12.2	11.2	9.9	8.9	8.2	8.7	7.7	6.6	6.0	
36.0	15.2	15.7	16.3	16.4		15.7	15.0	13.3	12.3		11.8	10.9	9.7	8.7	8.1	8.4	7.4	6.4	5.8	
38.0	13.0	13.6	14.1			14.9	14.4	13.0	12.2		11.3	10.5	9.4	8.5	8.1	8.1	7.2	6.2	5.7	5.2
40.0	10.9	11.5	11.9			14.2	13.9	12.7	12.1		10.7	10.3	9.2	8.3	8.0	7.8	6.9	6.1	5.6	5.1
42.0	8.8	9.4	9.7			12.5	13.4	12.4	12.0		10.1	9.9	8.9	8.2		7.5	6.7	5.9	5.4	5.1
44.0	6.6	7.1				10.8	11.7	12.2			9.6	9.5	8.7	8.1		7.2	6.5	5.8	5.3	5.0
46.0	4.2	4.7				9.1	10.1	10.7			9.2	9.1	8.5	8.0		7.0	6.3	5.6	5.2	5.0
48.0						7.4	8.4	9.0			8.7	8.8	8.3	7.9		6.8	6.1	5.5	5.1	5.0
50.0						5.7	6.8	7.2			8.3	8.5	8.1			6.6	6.0	5.4	5.1	
54.0							2.8				6.4	7.3	7.9			6.2	5.7	5.2	4.9	
58.0											3.5	4.5				5.7	5.4	5.0		
62.0																4.7	5.2	4.9		
66.0																2.2	3.2			
θ (°)	27 to 83	28 to 83	39 to 83	51 to 83	67 to 83	32 to 83	26 to 83	39 to 83	53 to 83	66 to 83	30 to 83	33 to 83	44 to 83	55 to 83	67 to 83	28 to 83	31 to 83	43 to 83	57 to 83	67 to 83
Standard hook block	80t					25t					11.3t									
Hook block weight	1270kg					870kg					440kg									
Standard number of parts of line	4					2					1									

Note) Counterweight 138t, outrigger extension width 8.5m

Capacity TFA

TRA + 45.4m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
9.0	28.2																			
10.0	28.1																			
11.0	28.0	28.6				16.7														
12.0	27.9	28.5				16.7														
14.0	27.8	27.7	25.2			16.7	16.7				15.5									
16.0	27.8	26.0	23.8	22.3	21.3	16.7	16.7				15.2					10.6				
18.0	26.2	24.5	22.5	21.2	20.3	16.7	16.7				14.9	14.0				10.4				
20.0	24.7	23.1	21.4	20.3	19.5	16.7	16.7	16.7			14.6	13.6				10.2				
22.0	23.3	21.9	20.4	19.4	18.8	16.7	16.7	16.7	14.6		14.3	13.2				10.0	9.6			
24.0	22.1	20.8	19.5	18.6	18.1	16.7	16.7	16.2	14.2	12.9	14.0	12.8				9.8	9.3			
26.0	21.0	19.9	18.7	17.9	17.5	16.7	16.7	15.5	13.8	12.7	13.7	12.4	11.0			9.7	8.9			
28.0	20.0	19.0	17.9	17.3	16.9	16.7	16.1	14.8	13.5	12.6	13.3	12.1	10.7			9.5	8.6			
30.0	19.2	18.2	17.3	16.7		16.5	15.4	14.2	13.2	12.4	12.9	11.8	10.4	9.5		9.3	8.3	7.0		
32.0	18.4	17.5	16.7	16.2		15.7	14.8	13.7	13.0	12.3	12.6	11.5	10.2	9.2	8.4	9.1	8.0	6.8		
34.0	17.5	16.9	16.1	15.7		15.1	14.2	13.2	12.6	12.2	12.2	11.2	9.9	9.0	8.3	8.8	7.7	6.6	5.9	
36.0	15.5	16.0	15.6	15.3		14.5	13.6	12.8	12.3	12.1	11.9	10.9	9.7	8.8	8.2	8.4	7.4	6.4	5.8	
38.0	13.5	14.0	14.5	14.7		13.9	13.2	12.4	11.9		11.6	10.6	9.5	8.6	8.1	8.2	7.2	6.3	5.7	5.3
40.0	11.7	12.1	12.6			13.4	12.7	12.0	11.6		11.3	10.3	9.3	8.5	8.0	7.9	7.0	6.1	5.6	5.2
42.0	9.9	10.3	10.8			12.7	12.3	11.6	11.3		10.9	10.1	9.1	8.3	8.0	7.6	6.8	5.9	5.4	5.1
44.0	8.2	8.6	9.0			11.2	11.9	11.3	11.1		10.4	9.8	8.9	8.2		7.4	6.6	5.8	5.3	5.1
46.0	6.5	6.8	7.2			9.8	10.4	11.0	10.8		9.9	9.6	8.7	8.1		7.1	6.4	5.7	5.2	5.0
48.0	4.7	5.0				8.4	9.0	9.7			9.5	9.3	8.5	8.0		6.9	6.2	5.5	5.1	5.0
50.0	2.7	3.0				7.0	7.7	8.2			9.0	9.0	8.4	7.9		6.7	6.1	5.4	5.1	5.0
54.0						4.3	4.9	5.3			6.9	7.7	7.9			6.3	5.8	5.2	4.9	
58.0											4.6	5.5	6.2			6.0	5.5	5.0	4.8	
62.0											2.2	3.1				5.1	5.3	4.9		
66.0																3.2	4.1	4.8		
70.0																2.0				
θ (°)	29 to 84	30 to 84	39 to 84	53 to 84	67 to 84	35 to 84	37 to 84	38 to 84	53 to 84	67 to 84	31 to 84	34 to 84	44 to 84	57 to 84	68 to 84	36 to 84	33 to 84	43 to 84	56 to 84	68 to 84
Standard hook block	80t					25t					11.3t									
Hook block weight	1270kg					870kg					440kg									
Standard number of parts of line	4					2					1									

Note) Counterweight 138t, outrigger extension width 8.5m

Capacity TFA

TRA + 50.5m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
10.0	21.0																			
11.0	20.9																			
12.0	20.9	19.2				15.9														
14.0	20.3	17.9	15.5			15.8														
16.0	19.0	16.9	14.7	13.3		15.8	13.5				12.2									
18.0	17.8	15.9	14.0	12.7	12.0	14.7	12.8				12.2					9.0				
20.0	16.7	15.0	13.3	12.2	11.6	13.8	12.1	10.3			11.7	10.1				9.0				
22.0	15.8	14.3	12.7	11.8	11.2	13.0	11.4	9.8	8.8		11.0	9.5				8.9				
24.0	14.9	13.6	12.2	11.3	10.9	12.3	10.8	9.4	8.5	7.9	10.4	9.0	7.7			8.9	8.0			
26.0	14.2	13.0	11.7	11.0	10.6	11.6	10.3	9.0	8.2	7.7	9.8	8.6	7.3			8.8	7.6			
28.0	13.5	12.4	11.3	10.6	10.3	11.0	9.8	8.6	7.9	7.4	9.3	8.2	7.0			8.3	7.3			
30.0	12.9	11.9	10.9	10.3	10.1	10.5	9.4	8.3	7.6	7.2	8.8	7.8	6.7	5.9		7.9	6.9	5.9		
32.0	12.3	11.4	10.5	10.0	9.8	10.0	9.0	8.0	7.4	7.0	8.4	7.5	6.5	5.7	5.1	7.5	6.6	5.6		
34.0	11.9	11.0	10.2	9.8		9.5	8.6	7.7	7.2	6.8	8.0	7.1	6.2	5.4	4.9	7.2	6.3	5.3		
36.0	11.4	10.6	9.9	9.5		9.1	8.3	7.5	6.9	6.6	7.6	6.8	5.9	5.2	4.8	6.8	6.0	5.1	4.4	
38.0	11.0	10.3	9.6	9.3		8.8	8.0	7.2	6.6	6.4	7.3	6.6	5.6	5.0	4.6	6.5	5.8	4.8	4.2	
40.0	10.6	10.0	9.4	9.1		8.4	7.7	7.0	6.4		7.0	6.2	5.3	4.8	4.4	6.2	5.5	4.6	4.0	3.6
42.0	10.3	9.7	9.2	9.0		8.1	7.5	6.7	6.2		6.7	5.9	5.1	4.6	4.3	6.0	5.2	4.3	3.8	3.4
44.0	9.0	9.4	9.0			7.8	7.2	6.5	6.1		6.4	5.6	4.9	4.4	4.2	5.6	4.9	4.1	3.6	3.3
46.0	7.5	7.9	8.2			7.5	6.9	6.2	5.9		6.1	5.4	4.7	4.2		5.3	4.6	3.9	3.5	3.2
48.0	6.0	6.4	6.7			7.3	6.6	6.0	5.8		5.8	5.1	4.5	4.1		5.0	4.4	3.7	3.3	3.1
50.0	4.5	4.9	5.2			7.0	6.4	5.9			5.5	4.9	4.3	4.0		4.8	4.2	3.6	3.2	3.0
54.0						5.1	5.7	5.6			5.0	4.5	4.0	3.7		4.3	3.8	3.2	2.9	
58.0						2.7	3.3	3.7			4.6	4.2	3.7			3.9	3.4	3.0	2.7	
62.0											3.3	3.9	3.6			3.5	3.1	2.7		
66.0												1.9				3.2	2.9	2.5		
70.0																2.1	2.7	2.4		
θ (°)	37 to 84.5	38 to 84.5	39 to 84.5	52 to 84.5	66 to 84.5	35 to 84.5	36 to 84.5	39 to 84.5	54 to 84.5	67 to 84.5	38 to 84.5	35 to 84.5	44 to 84.5	56 to 84.5	68 to 84.5	37 to 84.5	40 to 84.5	43 to 84.5	60 to 84.5	70 to 84.5
Standard hook block	25t										11.3t									
Hook block weight	870kg										440kg									
Standard number of parts of line	2										1									

Note) Counterweight 138t, outrigger extension width 8.5m

Capacity TFA

TRA + 55.6m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
11.0	15.0																			
12.0	15.0																			
14.0	14.9	15.2				11.7														
16.0	14.9	15.0	13.3			11.6					8.8									
18.0	14.8	14.1	12.6	11.6	11.0	11.6	11.5				8.8					6.8				
20.0	14.2	13.3	12.0	11.1	10.5	11.6	10.9	9.4			8.8					6.7				
22.0	13.1	12.6	11.4	10.6	10.0	11.5	10.3	9.0			8.8	9.0				6.7				
24.0	12.1	11.9	10.9	10.1	9.5	10.9	9.7	8.4	7.5		8.8	8.5				6.7				
26.0	11.1	11.0	10.4	9.6	9.1	10.3	9.2	7.9	7.1	6.5	8.8	8.1	6.8			6.7	7.0			
28.0	10.3	10.2	9.9	9.2	8.7	9.7	8.7	7.5	6.7	6.2	8.6	7.6	6.4			6.7	6.7			
30.0	9.5	9.4	9.4	8.7	8.4	9.0	8.2	7.1	6.4	5.9	8.0	7.2	6.0			6.7	6.2			
32.0	8.8	8.7	8.7	8.3	8.0	8.4	7.7	6.7	6.0	5.6	7.5	6.7	5.7	5.0		6.7	5.8	4.8		
34.0	8.2	8.1	8.1	8.0		7.8	7.2	6.3	5.7	5.4	6.9	6.3	5.4	4.7	4.3	6.3	5.4	4.5		
36.0	7.6	7.5	7.5	7.5		7.2	6.8	6.0	5.5	5.2	6.5	5.9	5.1	4.5	4.1	5.9	5.1	4.3		
38.0	7.0	7.0	6.9	7.0		6.7	6.4	5.7	5.2	5.0	6.0	5.6	4.8	4.3	3.9	5.5	4.8	4.0	3.5	
40.0	6.5	6.5	6.4	6.5		6.2	6.1	5.4	5.0	4.8	5.6	5.2	4.5	4.0	3.7	5.1	4.5	3.8	3.3	
42.0	6.1	6.0	6.0	6.0		5.8	5.7	5.1	4.8		5.2	4.9	4.3	3.8	3.6	4.8	4.2	3.5	3.1	
44.0	5.7	5.6	5.6	5.6		5.4	5.3	4.9	4.6		4.9	4.7	4.0	3.6	3.4	4.5	3.9	3.3	2.9	2.7
46.0	5.3	5.2	5.2			5.0	5.0	4.7	4.4		4.5	4.4	3.8	3.5	3.3	4.2	3.7	3.1	2.8	2.5
48.0	4.9	4.9	4.8			4.6	4.6	4.4	4.2		4.2	4.1	3.6	3.3		3.9	3.5	2.9	2.6	2.4
50.0	4.6	4.6	4.6			4.3	4.3	4.3	4.0		3.9	3.9	3.4	3.1		3.7	3.2	2.8	2.5	2.3
54.0	3.2	3.5	3.7			3.8	3.7	3.7			3.4	3.4	3.1	2.9		3.2	2.9	2.4	2.2	
58.0						3.3	3.3	3.2			2.9	2.9	2.8	2.6		2.8	2.5	2.2	1.9	
62.0							2.0				2.5	2.5	2.5			2.4	2.2	1.9	1.7	
66.0											2.2	2.2	2.1			2.1	2.0	1.7		
70.0																1.8	1.7	1.5		
θ (°)	38 to 84.5	39 to 84.5	40 to 84.5	54 to 84.5	68 to 84.5	41 to 84.5	37 to 84.5	45 to 84.5	56 to 84.5	68 to 84.5	40 to 84.5	42 to 84.5	44 to 84.5	55 to 84.5	69 to 84.5	43 to 84.5	46 to 84.5	49 to 84.5	59 to 84.5	72 to 84.5
Standard hook block	25t										11.3t									
Hook block weight	870kg										440kg									
Standard number of parts of line	2										1									

Note) Counterweight 138t, outrigger extension width 8.5m

TRA + Full Automatic Luffing Jib

Capacity TFA

TRA + 60.0m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
12.0	11.5																			
14.0	11.4	11.7				8.7														
16.0	11.4	11.7	12.3			8.7														
18.0	11.4	11.6	11.7	10.8		8.7	9.0				6.8									
20.0	11.4	11.6	11.1	10.3	9.6	8.6	8.9				6.8					5.3				
22.0	11.4	11.6	10.6	9.8	9.1	8.6	8.9	8.6			6.8	7.1				5.3				
24.0	10.6	10.6	10.1	9.2	8.7	8.6	8.8	8.1			6.8	7.0				5.3				
26.0	9.7	9.7	9.5	8.8	8.3	8.6	8.6	7.6	6.8		6.8	7.0				5.3	5.3			
28.0	8.9	8.9	8.9	8.3	7.9	7.9	8.0	7.2	6.4	5.9	6.8	7.0	5.9			5.3	5.3			
30.0	8.1	8.1	8.1	7.9	7.5	7.3	7.3	6.8	6.1	5.6	6.8	6.6	5.6			5.3	5.3			
32.0	7.4	7.4	7.4	7.5	7.2	6.7	6.7	6.4	5.8	5.4	6.5	6.2	5.2	4.6		5.3	5.3			
34.0	6.8	6.8	6.8	6.8	6.9	6.2	6.2	6.1	5.5	5.1	6.0	5.8	4.9	4.3		5.3	5.0	4.2		
36.0	6.2	6.2	6.2	6.2		5.6	5.7	5.7	5.2	4.9	5.5	5.4	4.6	4.1		5.3	4.7	3.9		
38.0	5.5	5.6	5.6	5.7		5.2	5.2	5.3	4.9	4.7	5.0	5.1	4.4	3.9	3.6	4.9	4.4	3.7		
40.0	4.3	4.9	5.1	5.2		4.7	4.8	4.9	4.7	4.5	4.6	4.7	4.1	3.7	3.4	4.5	4.1	3.4	3.0	
42.0	3.2	3.7	4.4	4.7		4.3	4.3	4.4	4.5	4.3	4.2	4.3	3.9	3.5	3.2	4.1	3.8	3.2	2.8	
44.0	2.1	2.6	3.2	3.4		3.9	4.0	4.0	4.1		3.9	3.9	3.6	3.3	3.1	3.8	3.6	3.0	2.6	
46.0			2.1	2.3		3.6	3.6	3.7	3.8		3.5	3.6	3.4	3.1	2.9	3.4	3.3	2.8	2.5	
48.0						2.6	3.3	3.3	3.4		3.2	3.3	3.2	2.9	2.8	3.1	3.1	2.6	2.3	2.1
50.0						1.7	2.5	3.0	3.1		2.9	3.0	3.0	2.8		2.9	2.9	2.5	2.2	2.0
54.0								1.5	1.9		1.9	2.4	2.5	2.5		2.3	2.4	2.2	1.9	1.8
58.0													2.0	2.1		1.9	1.9	1.9	1.7	
62.0																	1.5	1.6	1.5	
θ (°)	55 to 84.5	56 to 84.5	55 to 84.5	55 to 84.5	68 to 84.5	54 to 84.5	56 to 84.5	54 to 84.5	55 to 84.5	67 to 84.5	55 to 84.5	58 to 84.5	57 to 84.5	58 to 84.5	69 to 84.5	56 to 84.5	56 to 84.5	60 to 84.5	62 to 84.5	70 to 84.5
Standard hook block	25t										11.3t									
Hook block weight	870kg										440kg									
Standard number of parts of line	2										1									

Note) Counterweight 138t, outrigger extension width 8.5m

Capacity TFB

TRA + 40.4m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
9.0	37.6																			
10.0	37.5	38.3				16.7														
11.0	37.4	38.1				16.7														
12.0	37.3	38.0				16.7						16.7								
14.0	37.2	37.8	30.0	25.5		16.7	16.7				16.4					10.9				
16.0	37.2	36.0	28.7	24.7	22.7	16.7	16.7				16.0					10.9				
18.0	37.1	33.9	27.5	24.0	22.3	16.7	16.7	16.7			15.6	14.2				10.9				
20.0	35.2	32.1	26.4	23.4	22.0	16.7	16.7	16.7	14.9		15.2	13.7				10.7				
22.0	33.5	30.5	25.5	22.8	21.8	16.7	16.7	16.7	14.4	13.1	14.8	13.3				10.5	9.8			
24.0	31.5	29.0	24.6	22.4	21.6	16.7	16.7	16.2	14.0	12.9	14.3	12.9	11.5			10.3	9.4			
26.0	27.6	27.7	23.9	21.9	21.4	16.7	16.7	15.6	13.7	12.7	13.8	12.5	11.1			10.1	9.0			
28.0	24.3	25.0	23.2	21.6		16.7	16.7	15.1	13.3	12.5	13.3	12.1	10.8	9.6		9.9	8.6	7.3		
30.0	21.1	21.8	22.6	21.3		16.7	16.7	14.6	13.0	12.4	12.9	11.8	10.5	9.3	8.5	9.5	8.3	7.1		
32.0	18.2	18.9	19.6	20.0		16.7	16.2	14.1	12.8	12.3	12.5	11.5	10.2	9.1	8.4	9.1	8.0	6.8		
34.0	15.7	16.3	16.9	17.1		16.6	15.6	13.7	12.5	12.2	12.2	11.2	9.9	8.9	8.2	8.7	7.7	6.6	6.0	
36.0	13.5	14.0	14.5	14.6		15.7	15.0	13.3	12.3		11.8	10.9	9.7	8.7	8.1	8.4	7.4	6.4	5.8	
38.0	11.5	11.9	12.3			14.2	14.4	13.0	12.2		11.3	10.5	9.4	8.5	8.1	8.1	7.2	6.2	5.7	5.2
40.0	9.5	10.0	10.4			12.4	13.1	12.7	12.1		10.7	10.3	9.2	8.3	8.0	7.8	6.9	6.1	5.6	5.1
42.0	7.7	8.1	8.3			10.8	11.5	12.2	12.0		10.1	9.9	8.9	8.2		7.5	6.7	5.9	5.4	5.1
44.0	6.0	6.3				9.3	9.9	10.6			9.6	9.5	8.7	8.1		7.2	6.5	5.8	5.3	5.0
46.0	4.2	4.7				7.7	8.4	9.0			9.2	9.1	8.5	8.0		7.0	6.3	5.6	5.2	5.0
48.0						6.3	6.9	7.4			8.7	8.8	8.3	7.9		6.8	6.1	5.5	5.1	5.0
50.0						5.0	5.5	5.8			7.4	8.3	8.1			6.6	6.0	5.4	5.1	
54.0							2.8				5.1	5.8	6.5			6.2	5.7	5.2	4.9	
58.0											3.2	3.6				5.3	5.4	5.0		
62.0																3.6	4.2	4.9		
66.0																2.0	2.4			
θ (°)	27 to 84.5	28 to 84.5	39 to 84.5	51 to 84.5	67 to 84.5	32 to 84.5	26 to 84.5	39 to 84.5	53 to 84.5	66 to 84.5	30 to 84.5	33 to 84.5	44 to 84.5	55 to 84.5	67 to 84.5	28 to 84.5	31 to 84.5	43 to 84.5	57 to 84.5	67 to 84.5
Standard hook block	80t					25t					11.3t									
Hook block weight	1270kg					870kg					440kg									
Standard number of parts of line	4					2					1									

Note) Counterweight 118t, outrigger extension width 8.5m

Capacity TFB

TRA + 45.4m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
9.0	28.2																			
10.0	28.1																			
11.0	28.0	28.6				16.7														
12.0	27.9	28.5				16.7														
14.0	27.8	27.7	25.2			16.7	16.7				15.5									
16.0	27.8	26.0	23.8	22.3	21.3	16.7	16.7				15.2					10.6				
18.0	26.2	24.5	22.5	21.2	20.3	16.7	16.7				14.9	14.0				10.4				
20.0	24.7	23.1	21.4	20.3	19.5	16.7	16.7	16.7			14.6	13.6				10.2				
22.0	23.3	21.9	20.4	19.4	18.8	16.7	16.7	16.7	14.6		14.3	13.2				10.0	9.6			
24.0	22.1	20.8	19.5	18.6	18.1	16.7	16.7	16.2	14.2	12.9	14.0	12.8				9.8	9.3			
26.0	21.0	19.9	18.7	17.9	17.5	16.7	16.7	15.5	13.8	12.7	13.7	12.4	11.0			9.7	8.9			
28.0	20.0	19.0	17.9	17.3	16.9	16.7	16.1	14.8	13.5	12.6	13.3	12.1	10.7			9.5	8.6			
30.0	19.2	18.2	17.3	16.7		16.5	15.4	14.2	13.2	12.4	12.9	11.8	10.4	9.5		9.3	8.3	7.0		
32.0	18.4	17.5	16.7	16.2		15.7	14.8	13.7	13.0	12.3	12.6	11.5	10.2	9.2	8.4	9.1	8.0	6.8		
34.0	15.9	16.5	16.1	15.7		15.1	14.2	13.2	12.6	12.2	12.2	11.2	9.9	9.0	8.3	8.8	7.7	6.6	5.9	
36.0	13.7	14.2	14.8	15.1		14.5	13.6	12.8	12.3	12.1	11.9	10.9	9.7	8.8	8.2	8.4	7.4	6.4	5.8	
38.0	11.7	12.2	12.7	12.9		13.9	13.2	12.4	11.9		11.6	10.6	9.5	8.6	8.1	8.2	7.2	6.3	5.7	5.3
40.0	9.8	10.4	10.8			12.4	12.7	12.0	11.6		11.3	10.3	9.3	8.5	8.0	7.9	7.0	6.1	5.6	5.2
42.0	8.0	8.5	8.9			10.8	11.6	11.6	11.3		10.9	10.1	9.1	8.3	8.0	7.6	6.8	5.9	5.4	5.1
44.0	6.3	6.7	7.1			9.3	10.1	10.8	11.1		10.4	9.8	8.9	8.2		7.4	6.6	5.8	5.3	5.1
46.0	4.8	5.2	5.4			7.8	8.6	9.3	9.6		9.9	9.6	8.7	8.1		7.1	6.4	5.7	5.2	5.0
48.0	3.5	3.7				6.4	7.1	7.8			8.6	9.3	8.5	8.0		6.9	6.2	5.5	5.1	5.0
50.0		2.4				5.1	5.7	6.3			7.3	8.3	8.4	7.9		6.7	6.1	5.4	5.1	5.0
54.0							2.8	3.3	3.6		5.1	5.8	6.7			6.3	5.8	5.2	4.9	
58.0											3.1	3.7	4.3			5.1	5.5	5.0	4.8	
62.0																3.4	4.2	4.9		
66.0																1.9	2.5	3.1		
θ (°)	29 to 84.5	30 to 84.5	39 to 84.5	53 to 84.5	67 to 84.5	35 to 84.5	37 to 84.5	38 to 84.5	53 to 84.5	67 to 84.5	37 to 84.5	41 to 84.5	44 to 84.5	57 to 84.5	68 to 84.5	36 to 84.5	40 to 84.5	43 to 84.5	56 to 84.5	68 to 84.5
Standard hook block	80t					25t					11.3t									
Hook block weight	1270kg					870kg					440kg									
Standard number of parts of line	4					2					1									

Note) Counterweight 118t, outrigger extension width 8.5m

TRA + Full Automatic Luffing Jib

Capacity TFB

TRA + 50.5m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
10.0	21.0																			
11.0	20.9																			
12.0	20.9	19.2				15.9														
14.0	20.3	17.9	15.5			15.8														
16.0	19.0	16.9	14.7	13.3		15.8	13.5				12.2									
18.0	17.8	15.9	14.0	12.7	12.0	14.7	12.8				12.2					9.0				
20.0	16.7	15.0	13.3	12.2	11.6	13.8	12.1	10.3			11.7	10.1				9.0				
22.0	15.8	14.3	12.7	11.8	11.2	13.0	11.4	9.8	8.8		11.0	9.5				8.9				
24.0	14.9	13.6	12.2	11.3	10.9	12.3	10.8	9.4	8.5	7.9	10.4	9.0	7.7			8.9	8.0			
26.0	14.2	13.0	11.7	11.0	10.6	11.6	10.3	9.0	8.2	7.7	9.8	8.6	7.3			8.8	7.6			
28.0	13.5	12.4	11.3	10.6	10.3	11.0	9.8	8.6	7.9	7.4	9.3	8.2	7.0			8.3	7.3			
30.0	12.9	11.9	10.9	10.3	10.1	10.5	9.4	8.3	7.6	7.2	8.8	7.8	6.7	5.9		7.9	6.9	5.9		
32.0	12.3	11.4	10.5	10.0	9.8	10.0	9.0	8.0	7.4	7.0	8.4	7.5	6.5	5.7	5.1	7.5	6.6	5.6		
34.0	11.9	11.0	10.2	9.8		9.5	8.6	7.7	7.2	6.8	8.0	7.1	6.2	5.4	4.9	7.2	6.3	5.3		
36.0	11.4	10.6	9.9	9.5		9.1	8.3	7.5	6.9	6.6	7.6	6.8	5.9	5.2	4.8	6.8	6.0	5.1	4.4	
38.0	11.0	10.3	9.6	9.3		8.8	8.0	7.2	6.6	6.4	7.3	6.6	5.6	5.0	4.6	6.5	5.8	4.8	4.2	
40.0	10.3	10.0	9.4	9.1		8.4	7.7	7.0	6.4		7.0	6.2	5.3	4.8	4.4	6.2	5.5	4.6	4.0	3.6
42.0	8.5	9.0	9.2	9.0		8.1	7.5	6.7	6.2		6.7	5.9	5.1	4.6	4.3	6.0	5.2	4.3	3.8	3.4
44.0	6.8	7.3	7.8			7.8	7.2	6.5	6.1		6.4	5.6	4.9	4.4	4.2	5.6	4.9	4.1	3.6	3.3
46.0	5.3	5.7	6.1			7.5	6.9	6.2	5.9		6.1	5.4	4.7	4.2		5.3	4.6	3.9	3.5	3.2
48.0	4.0	4.3	4.6			6.7	6.6	6.0	5.8		5.8	5.1	4.5	4.1		5.0	4.4	3.7	3.3	3.1
50.0	2.7	3.0	3.2			5.4	6.1	5.9			5.5	4.9	4.3	4.0		4.8	4.2	3.6	3.2	3.0
54.0						3.2	3.7	4.2			5.0	4.5	4.0	3.7		4.3	3.8	3.2	2.9	
58.0								1.9			3.2	3.9	3.7			3.9	3.4	3.0	2.7	
62.0												2.1	2.7			3.4	3.1	2.7		
66.0																1.9	2.6	2.5		
70.0																	1.7			
θ (°)	37 to 84.5	38 to 84.5	39 to 84.5	52 to 84.5	66 to 84.5	41 to 84.5	43 to 84.5	39 to 84.5	54 to 84.5	67 to 84.5	44 to 84.5	41 to 84.5	44 to 84.5	56 to 84.5	68 to 84.5	42 to 84.5	45 to 84.5	43 to 84.5	60 to 84.5	70 to 84.5
Standard hook block	25t										11.3t									
Hook block weight	870kg										440kg									
Standard number of parts of line	2										1									

Note) Counterweight 118t, outrigger extension width 8.5m

Capacity TFB

TRA + 55.6m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
11.0	15.0																			
12.0	15.0																			
14.0	14.9	15.2				11.7														
16.0	14.9	15.0	13.3			11.6					8.8									
18.0	14.8	14.1	12.6	11.6	11.0	11.6	11.5				8.8					6.8				
20.0	14.2	13.3	12.0	11.1	10.5	11.6	10.9	9.4			8.8					6.7				
22.0	13.1	12.6	11.4	10.6	10.0	11.5	10.3	9.0			8.8	9.0				6.7				
24.0	12.1	11.9	10.9	10.1	9.5	10.9	9.7	8.4	7.5		8.8	8.5				6.7				
26.0	11.1	11.0	10.4	9.6	9.1	10.3	9.2	7.9	7.1	6.5	8.8	8.1	6.8			6.7	7.0			
28.0	10.3	10.2	9.9	9.2	8.7	9.7	8.7	7.5	6.7	6.2	8.6	7.6	6.4			6.7	6.7			
30.0	9.5	9.4	9.4	8.7	8.4	9.0	8.2	7.1	6.4	5.9	8.0	7.2	6.0			6.7	6.2			
32.0	8.8	8.7	8.7	8.3	8.0	8.4	7.7	6.7	6.0	5.6	7.5	6.7	5.7	5.0		6.7	5.8	4.8		
34.0	8.2	8.1	8.1	8.0		7.8	7.2	6.3	5.7	5.4	6.9	6.3	5.4	4.7	4.3	6.3	5.4	4.5		
36.0	7.6	7.5	7.5	7.5		7.2	6.8	6.0	5.5	5.2	6.5	5.9	5.1	4.5	4.1	5.9	5.1	4.3		
38.0	7.0	7.0	6.9	7.0		6.7	6.4	5.7	5.2	5.0	6.0	5.6	4.8	4.3	3.9	5.5	4.8	4.0	3.5	
40.0	6.5	6.5	6.4	6.5		6.2	6.1	5.4	5.0	4.8	5.6	5.2	4.5	4.0	3.7	5.1	4.5	3.8	3.3	
42.0	6.1	6.0	6.0	6.0		5.8	5.7	5.1	4.8		5.2	4.9	4.3	3.8	3.6	4.8	4.2	3.5	3.1	
44.0	5.7	5.6	5.6	5.6		5.4	5.3	4.9	4.8		4.9	4.7	4.0	3.6	3.4	4.5	3.9	3.3	2.9	2.7
46.0	5.3	5.2	5.2			5.0	5.0	4.7	4.4		4.5	4.4	3.8	3.5	3.3	4.2	3.7	3.1	2.8	2.5
48.0	4.6	4.9	4.8			4.6	4.6	4.4	4.2		4.2	4.1	3.6	3.3		3.9	3.5	2.9	2.6	2.4
50.0	3.4	3.7	4.0			4.3	4.3	4.3	4.0		3.9	3.9	3.4	3.1		3.7	3.2	2.8	2.5	2.3
54.0						3.4	3.7	3.7			3.4	3.4	3.1	2.9		3.2	2.9	2.4	2.2	
58.0							2.0	2.4			2.9	2.9	2.8	2.6		2.8	2.5	2.2	1.9	
62.0											1.9	2.5	2.5			2.4	2.2	1.9	1.7	
66.0																2.0	2.0	1.7		
70.0																	1.5			
θ (°)	44 to 84.5	45 to 84.5	46 to 84.5	54 to 84.5	68 to 84.5	46 to 84.5	43 to 84.5	45 to 84.5	56 to 84.5	68 to 84.5	44 to 84.5	47 to 84.5	49 to 84.5	55 to 84.5	69 to 84.5	47 to 84.5	50 to 84.5	49 to 84.5	59 to 84.5	72 to 84.5
Standard hook block	25t										11.3t									
Hook block weight	870kg										440kg									
Standard number of parts of line	2										1									

Note) Counterweight 118t, outrigger extension width 8.5m

Capacity TFB

TRA + 60.0m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
12.0	11.5																			
14.0	11.4	11.7				8.7														
16.0	11.4	11.7	12.3			8.7														
18.0	11.4	11.6	11.7	10.8		8.7	9.0				6.8									
20.0	11.4	11.6	11.1	10.3	9.6	8.6	8.9				6.8					5.3				
22.0	11.4	11.6	10.6	9.8	9.1	8.6	8.9	8.6			6.8	7.1				5.3				
24.0	10.6	10.6	10.1	9.2	8.7	8.6	8.8	8.1			6.8	7.0				5.3				
26.0	9.7	9.7	9.5	8.8	8.3	8.6	8.6	7.6	6.8		6.8	7.0				5.3	5.3			
28.0	8.9	8.9	8.9	8.3	7.9	7.9	8.0	7.2	6.4	5.9	6.8	7.0	5.9			5.3	5.3			
30.0	8.1	8.1	8.1	7.9	7.5	7.3	7.3	6.8	6.1	5.6	6.8	6.6	5.6			5.3	5.3			
32.0	7.4	7.4	7.4	7.5	7.2	6.7	6.7	6.4	5.8	5.4	6.5	6.2	5.2	4.6		5.3	5.3			
34.0	6.8	6.8	6.8	6.8	6.9	6.2	6.2	6.1	5.5	5.1	6.0	5.8	4.9	4.3		5.3	5.0	4.2		
36.0	6.2	6.2	6.2	6.2		5.6	5.7	5.7	5.2	4.9	5.5	5.4	4.6	4.1		5.3	4.7	3.9		
38.0	5.5	5.6	5.6	5.7		5.2	5.2	5.3	4.9	4.7	5.0	5.1	4.4	3.9	3.6	4.9	4.4	3.7		
40.0	4.3	4.9	5.1	5.2		4.7	4.8	4.9	4.7	4.5	4.6	4.7	4.1	3.7	3.4	4.5	4.1	3.4	3.0	
42.0	3.2	3.7	4.4	4.7		4.3	4.3	4.4	4.5	4.3	4.2	4.3	3.9	3.5	3.2	4.1	3.8	3.2	2.8	
44.0	2.1	2.6	3.2	3.4		3.9	4.0	4.0	4.1		3.9	3.9	3.6	3.3	3.1	3.8	3.6	3.0	2.6	
46.0			2.1	2.3		3.6	3.6	3.7	3.8		3.5	3.6	3.4	3.1	2.9	3.4	3.3	2.8	2.5	
48.0						2.6	3.3	3.3	3.4		3.2	3.3	3.2	2.9	2.8	3.1	3.1	2.6	2.3	2.1
50.0						1.7	2.5	3.0	3.1		2.9	3.0	3.0	2.8		2.9	2.9	2.5	2.2	2.0
54.0								1.5	1.9		1.9	2.4	2.5	2.5		2.3	2.4	2.2	1.9	1.8
58.0													2.0	2.1		1.9	1.9	1.9	1.7	
62.0																	1.5	1.6	1.5	
θ (°)	55 to 84.5	56 to 84.5	55 to 84.5	55 to 84.5	68 to 84.5	54 to 84.5	56 to 84.5	54 to 84.5	55 to 84.5	67 to 84.5	55 to 84.5	58 to 84.5	57 to 84.5	58 to 84.5	69 to 84.5	56 to 84.5	56 to 84.5	60 to 84.5	62 to 84.5	70 to 84.5
Standard hook block	25t										11.3t									
Hook block weight	870kg										440kg									
Standard number of parts of line	2										1									

Note) Counterweight 118t, outrigger extension width 8.5m

TRA + Full Automatic Luffing Jib

Capacity TFC

TRA + 40.4m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
9.0	37.6																			
10.0	37.5	38.3				16.7														
11.0	37.4	38.1				16.7														
12.0	37.3	38.0				16.7					16.7									
14.0	37.2	37.8	30.0	25.5		16.7	16.7				16.4					10.9				
16.0	37.2	36.0	28.7	24.7	22.7	16.7	16.7				16.0					10.9				
18.0	37.1	33.9	27.5	24.0	22.3	16.7	16.7	16.7			15.6	14.2				10.9				
20.0	35.2	32.1	26.4	23.4	22.0	16.7	16.7	16.7	14.9		15.2	13.7				10.7				
22.0	33.5	30.5	25.5	22.8	21.8	16.7	16.7	16.7	14.4	13.1	14.8	13.3				10.5	9.8			
24.0	30.6	29.0	24.6	22.4	21.6	16.7	16.7	16.2	14.0	12.9	14.3	12.9	11.5			10.3	9.4			
26.0	26.8	27.6	23.9	21.9	21.4	16.7	16.7	15.6	13.7	12.7	13.8	12.5	11.1			10.1	9.0			
28.0	23.5	24.2	23.2	21.6		16.7	16.7	15.1	13.3	12.5	13.3	12.1	10.8	9.6		9.9	8.6	7.3		
30.0	20.6	21.3	22.0	21.3		16.7	16.7	14.6	13.0	12.4	12.9	11.8	10.5	9.3	8.5	9.5	8.3	7.1		
32.0	18.1	18.7	19.3	19.7		16.7	16.2	14.1	12.8	12.3	12.5	11.5	10.2	9.1	8.4	9.1	8.0	6.8		
34.0	15.7	16.3	16.9	17.1		16.6	15.6	13.7	12.5	12.2	12.2	11.2	9.9	8.9	8.2	8.7	7.7	6.6	6.0	
36.0	13.5	14.0	14.5	14.6		15.7	15.0	13.3	12.3		11.8	10.9	9.7	8.7	8.1	8.4	7.4	6.4	5.8	
38.0	11.2	11.7	12.3			14.2	14.4	13.0	12.2		11.3	10.5	9.4	8.5	8.1	8.1	7.2	6.2	5.7	5.2
40.0	9.1	9.6	10.0			12.4	13.1	12.7	12.1		10.7	10.3	9.2	8.3	8.0	7.8	6.9	6.1	5.6	5.1
42.0	7.3	7.7	7.9			10.6	11.5	12.2	12.0		10.1	9.9	8.9	8.2		7.5	6.7	5.9	5.4	5.1
44.0	5.6	5.9				8.9	9.7	10.5			9.6	9.5	8.7	8.1		7.2	6.5	5.8	5.3	5.0
46.0	4.1	4.3				7.4	8.0	8.7			9.2	9.1	8.5	8.0		7.0	6.3	5.6	5.2	5.0
48.0						6.0	6.5	7.0			8.4	8.8	8.3	7.9		6.8	6.1	5.5	5.1	5.0
50.0						4.7	5.1	5.4			7.1	8.0	8.1			6.6	6.0	5.4	5.1	
54.0							2.6				4.8	5.5	6.2			6.2	5.7	5.2	4.9	
58.0											2.8	3.3				5.0	5.4	5.0		
62.0																3.3	3.9	4.6		
66.0																1.7	2.2			
θ (°)	27 to 84.5	28 to 84.5	39 to 84.5	51 to 84.5	67 to 84.5	32 to 84.5	26 to 84.5	39 to 84.5	53 to 84.5	66 to 84.5	30 to 84.5	33 to 84.5	44 to 84.5	55 to 84.5	67 to 84.5	28 to 84.5	31 to 84.5	43 to 84.5	57 to 84.5	67 to 84.5
Standard hook block	80t					25t					11.3t									
Hook block weight	1270kg					870kg					440kg									
Standard number of parts of line	4					2					1									

Note) Counterweight 118t, outrigger extension width 8.0m

Capacity TFC

TRA + 45.4m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
9.0	28.2																			
10.0	28.1																			
11.0	28.0	28.6				16.7														
12.0	27.9	28.5				16.7														
14.0	27.8	27.7	25.2			16.7	16.7				15.5									
16.0	27.8	26.0	23.8	22.3	21.3	16.7	16.7				15.2					10.6				
18.0	26.2	24.5	22.5	21.2	20.3	16.7	16.7				14.9	14.0				10.4				
20.0	24.7	23.1	21.4	20.3	19.5	16.7	16.7	16.7			14.6	13.6				10.2				
22.0	23.3	21.9	20.4	19.4	18.8	16.7	16.7	16.7	14.6		14.3	13.2				10.0	9.6			
24.0	22.1	20.8	19.5	18.6	18.1	16.7	16.7	16.2	14.2	12.9	14.0	12.8				9.8	9.3			
26.0	21.0	19.9	18.7	17.9	17.5	16.7	16.7	15.5	13.8	12.7	13.7	12.4	11.0			9.7	8.9			
28.0	20.0	19.0	17.9	17.3	16.9	16.7	16.1	14.8	13.5	12.6	13.3	12.1	10.7			9.5	8.6			
30.0	19.2	18.2	17.3	16.7		16.5	15.4	14.2	13.2	12.4	12.9	11.8	10.4	9.5		9.3	8.3	7.0		
32.0	18.3	17.5	16.7	16.2		15.7	14.8	13.7	13.0	12.3	12.6	11.5	10.2	9.2	8.4	9.1	8.0	6.8		
34.0	15.9	16.5	16.1	15.7		15.1	14.2	13.2	12.6	12.2	12.2	11.2	9.9	9.0	8.3	8.8	7.7	6.6	5.9	
36.0	13.7	14.2	14.8	15.1		14.5	13.6	12.8	12.3	12.1	11.9	10.9	9.7	8.8	8.2	8.4	7.4	6.4	5.8	
38.0	11.5	12.1	12.7	12.9		13.9	13.2	12.4	11.9		11.6	10.6	9.5	8.6	8.1	8.2	7.2	6.3	5.7	5.3
40.0	9.4	10.0	10.5			12.4	12.7	12.0	11.6		11.3	10.3	9.3	8.5	8.0	7.9	7.0	6.1	5.6	5.2
42.0	7.6	8.1	8.5			10.7	11.6	11.6	11.3		10.9	10.1	9.1	8.3	8.0	7.6	6.8	5.9	5.4	5.1
44.0	5.9	6.3	6.7			9.0	9.8	10.8	11.1		10.4	9.8	8.9	8.2		7.4	6.6	5.8	5.3	5.1
46.0	4.4	4.8	5.0			7.4	8.2	9.1	9.4		9.7	9.6	8.7	8.1		7.1	6.4	5.7	5.2	5.0
48.0	3.1	3.3				6.0	6.7	7.4			8.3	9.3	8.5	8.0		6.9	6.2	5.5	5.1	5.0
50.0						4.8	5.4	5.9			7.0	8.0	8.4	7.9		6.7	6.1	5.4	5.1	5.0
54.0						2.5	2.9	3.2			4.7	5.5	6.4			6.3	5.8	5.2	4.9	
58.0											2.8	3.4	4.0			4.8	5.5	5.0	4.8	
62.0																3.1	3.9	4.8		
66.0																1.6	2.2	2.8		
θ (°)	34 to 84.5	34 to 84.5	39 to 84.5	53 to 84.5	67 to 84.5	35 to 84.5	37 to 84.5	38 to 84.5	53 to 84.5	67 to 84.5	37 to 84.5	41 to 84.5	44 to 84.5	57 to 84.5	68 to 84.5	36 to 84.5	40 to 84.5	43 to 84.5	56 to 84.5	68 to 84.5
Standard hook block	80t					25t					11.3t									
Hook block weight	1270kg					870kg					440kg									
Standard number of parts of line	4					2					1									

Note) Counterweight 118t, outrigger extension width 8.0m

Capacity TFC

TRA + 50.5m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
10.0	21.0																			
11.0	20.9																			
12.0	20.9	19.2				15.9														
14.0	20.3	17.9	15.5			15.8														
16.0	19.0	16.9	14.7	13.3		15.8	13.5				12.2									
18.0	17.8	15.9	14.0	12.7	12.0	14.7	12.8				12.2					9.0				
20.0	16.7	15.0	13.3	12.2	11.6	13.8	12.1	10.3			11.7	10.1				9.0				
22.0	15.8	14.3	12.7	11.8	11.2	13.0	11.4	9.8	8.8		11.0	9.5				8.9				
24.0	14.9	13.6	12.2	11.3	10.9	12.3	10.8	9.4	8.5	7.9	10.4	9.0	7.7			8.9	8.0			
26.0	14.2	13.0	11.7	11.0	10.6	11.6	10.3	9.0	8.2	7.7	9.8	8.6	7.3			8.8	7.6			
28.0	13.5	12.4	11.3	10.6	10.3	11.0	9.8	8.6	7.9	7.4	9.3	8.2	7.0			8.3	7.3			
30.0	12.9	11.9	10.9	10.3	10.1	10.5	9.4	8.3	7.6	7.2	8.8	7.8	6.7	5.9		7.9	6.9	5.9		
32.0	12.3	11.4	10.5	10.0	9.8	10.0	9.0	8.0	7.4	7.0	8.4	7.5	6.5	5.7	5.1	7.5	6.6	5.6		
34.0	11.9	11.0	10.2	9.8		9.5	8.6	7.7	7.2	6.8	8.0	7.1	6.2	5.4	4.9	7.2	6.3	5.3		
36.0	11.4	10.6	9.9	9.5		9.1	8.3	7.5	6.9	6.6	7.6	6.8	5.9	5.2	4.8	6.8	6.0	5.1	4.4	
38.0	11.0	10.3	9.6	9.3		8.8	8.0	7.2	6.6	6.4	7.3	6.6	5.6	5.0	4.6	6.5	5.8	4.8	4.2	
40.0	9.9	10.0	9.4	9.1		8.4	7.7	7.0	6.4		7.0	6.2	5.3	4.8	4.4	6.2	5.5	4.6	4.0	3.6
42.0	8.1	8.6	9.2	9.0		8.1	7.5	6.7	6.2		6.7	5.9	5.1	4.6	4.3	6.0	5.2	4.3	3.8	3.4
44.0	6.5	6.9	7.4			7.8	7.2	6.5	6.1		6.4	5.6	4.9	4.4	4.2	5.6	4.9	4.1	3.6	3.3
46.0	5.0	5.4	5.8			7.5	6.9	6.2	5.9		6.1	5.4	4.7	4.2		5.3	4.6	3.9	3.5	3.2
48.0	3.6	4.0	4.3			6.3	6.6	6.0	5.8		5.8	5.1	4.5	4.1		5.0	4.4	3.7	3.3	3.1
50.0	2.4	2.7	2.9			5.1	5.7	5.9			5.5	4.9	4.3	4.0		4.8	4.2	3.6	3.2	3.0
54.0						2.8	3.4	3.9			4.9	4.5	4.0	3.7		4.3	3.8	3.2	2.9	
58.0											2.9	3.6	3.7			3.9	3.4	3.0	2.7	
62.0													2.4			3.2	3.1	2.7		
66.0																1.7	2.4	2.5		
70.0																		1.5		
θ (°)	37 to 84.5	38 to 84.5	39 to 84.5	52 to 84.5	66 to 84.5	41 to 84.5	43 to 84.5	45 to 84.5	54 to 84.5	67 to 84.5	44 to 84.5	46 to 84.5	44 to 84.5	56 to 84.5	68 to 84.5	42 to 84.5	45 to 84.5	43 to 84.5	60 to 84.5	70 to 84.5
Standard hook block	25t										11.3t									
Hook block weight	870kg										440kg									
Standard number of parts of line	2										1									

Note) Counterweight 118t, outrigger extension width 8.0m

Capacity TFC

TRA + 55.6m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
11.0	15.0																			
12.0	15.0																			
14.0	14.9	15.2				11.7														
16.0	14.9	15.0	13.3			11.6					8.8									
18.0	14.8	14.1	12.6	11.6	11.0	11.6	11.5				8.8					6.8				
20.0	14.2	13.3	12.0	11.1	10.5	11.6	10.9	9.4			8.8					6.7				
22.0	13.1	12.6	11.4	10.6	10.0	11.5	10.3	9.0			8.8	9.0				6.7				
24.0	12.1	11.9	10.9	10.1	9.5	10.9	9.7	8.4	7.5		8.8	8.5				6.7				
26.0	11.1	11.0	10.4	9.6	9.1	10.3	9.2	7.9	7.1	6.5	8.8	8.1	6.8			6.7	7.0			
28.0	10.3	10.2	9.9	9.2	8.7	9.7	8.7	7.5	6.7	6.2	8.6	7.6	6.4			6.7	6.7			
30.0	9.5	9.4	9.4	8.7	8.4	9.0	8.2	7.1	6.4	5.9	8.0	7.2	6.0			6.7	6.2			
32.0	8.8	8.7	8.7	8.3	8.0	8.4	7.7	6.7	6.0	5.6	7.5	6.7	5.7	5.0		6.7	5.8	4.8		
34.0	8.2	8.1	8.1	8.0		7.8	7.2	6.3	5.7	5.4	6.9	6.3	5.4	4.7	4.3	6.3	5.4	4.5		
36.0	7.6	7.5	7.5	7.5		7.2	6.8	6.0	5.5	5.2	6.5	5.9	5.1	4.5	4.1	5.9	5.1	4.3		
38.0	7.0	7.0	6.9	7.0		6.7	6.4	5.7	5.2	5.0	6.0	5.6	4.8	4.3	3.9	5.5	4.8	4.0	3.5	
40.0	6.5	6.5	6.4	6.5		6.2	6.1	5.4	5.0	4.8	5.6	5.2	4.5	4.0	3.7	5.1	4.5	3.8	3.3	
42.0	6.1	6.0	6.0	6.0		5.8	5.7	5.1	4.8		5.2	4.9	4.3	3.8	3.6	4.8	4.2	3.5	3.1	
44.0	5.7	5.6	5.6	5.6		5.4	5.3	4.9	4.6		4.9	4.7	4.0	3.6	3.4	4.5	3.9	3.3	2.9	2.7
46.0	5.3	5.2	5.2			5.0	5.0	4.7	4.4		4.5	4.4	3.8	3.5	3.3	4.2	3.7	3.1	2.8	2.5
48.0	4.3	4.7	4.8			4.6	4.6	4.4	4.2		4.2	4.1	3.6	3.3		3.9	3.5	2.9	2.6	2.4
50.0	3.0	3.4	3.7			4.3	4.3	4.3	4.0		3.9	3.9	3.4	3.1		3.7	3.2	2.8	2.5	2.3
54.0						3.1	3.7	3.7			3.4	3.4	3.1	2.9		3.2	2.9	2.4	2.2	
58.0								2.1			2.9	2.9	2.8	2.6		2.8	2.5	2.2	1.9	
62.0											1.6	2.2	2.5			2.4	2.2	1.9	1.7	
66.0																1.7	2.0	1.7		
70.0																		1.5		
θ (°)	44 to 84.5	45 to 84.5	46 to 84.5	54 to 84.5	68 to 84.5	46 to 84.5	48 to 84.5	45 to 84.5	56 to 84.5	68 to 84.5	44 to 84.5	47 to 84.5	49 to 84.5	55 to 84.5	69 to 84.5	47 to 84.5	50 to 84.5	49 to 84.5	59 to 84.5	72 to 84.5
Standard hook block	25t										11.3t									
Hook block weight	870kg										440kg									
Standard number of parts of line	2										1									

Note) Counterweight 118t, outrigger extension width 8.0m

TRA + Full Automatic Luffing Jib

Capacity TFC

TRA + 60.0m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
12.0	11.5																			
14.0	11.4	11.7				8.7														
16.0	11.4	11.7	12.3			8.7														
18.0	11.4	11.6	11.7	10.8		8.7	9.0				6.8									
20.0	11.4	11.6	11.1	10.3	9.6	8.6	8.9				6.8					5.3				
22.0	11.4	11.6	10.6	9.8	9.1	8.6	8.9	8.6			6.8	7.1				5.3				
24.0	10.6	10.6	10.1	9.2	8.7	8.6	8.8	8.1			6.8	7.0				5.3				
26.0	9.7	9.7	9.5	8.8	8.3	8.6	8.6	7.6	6.8		6.8	7.0				5.3	5.3			
28.0	8.9	8.9	8.9	8.3	7.9	7.9	8.0	7.2	6.4	5.9	6.8	7.0	5.9			5.3	5.3			
30.0	8.1	8.1	8.1	7.9	7.5	7.3	7.3	6.8	6.1	5.6	6.8	6.6	5.6			5.3	5.3			
32.0	7.4	7.4	7.4	7.5	7.2	6.7	6.7	6.4	5.8	5.4	6.5	6.2	5.2	4.6		5.3	5.3			
34.0	6.8	6.8	6.8	6.8	6.9	6.2	6.2	6.1	5.5	5.1	6.0	5.8	4.9	4.3		5.3	5.0	4.2		
36.0	6.2	6.2	6.2	6.2		5.6	5.7	5.7	5.2	4.9	5.5	5.4	4.6	4.1		5.3	4.7	3.9		
38.0	5.5	5.6	5.6	5.7		5.2	5.2	5.3	4.9	4.7	5.0	5.1	4.4	3.9	3.6	4.9	4.4	3.7		
40.0	4.3	4.9	5.1	5.2		4.7	4.8	4.9	4.7	4.5	4.6	4.7	4.1	3.7	3.4	4.5	4.1	3.4	3.0	
42.0	3.2	3.7	4.4	4.7		4.3	4.3	4.4	4.5	4.3	4.2	4.3	3.9	3.5	3.2	4.1	3.8	3.2	2.8	
44.0	2.1	2.6	3.2	3.4		3.9	4.0	4.0	4.1		3.9	3.9	3.6	3.3	3.1	3.8	3.6	3.0	2.6	
46.0			2.1	2.3		3.6	3.6	3.7	3.8		3.5	3.6	3.4	3.1	2.9	3.4	3.3	2.8	2.5	
48.0						2.6	3.3	3.3	3.4		3.2	3.3	3.2	2.9	2.8	3.1	3.1	2.6	2.3	2.1
50.0						1.7	2.5	3.0	3.1		2.9	3.0	3.0	2.8		2.9	2.9	2.5	2.2	2.0
54.0								1.5	1.9		1.9	2.4	2.5	2.5		2.3	2.4	2.2	1.9	1.8
58.0													2.0	2.1		1.9	1.9	1.9	1.7	
62.0																	1.5	1.6	1.5	
θ (°)	55 to 84.5	56 to 84.5	55 to 84.5	55 to 84.5	68 to 84.5	54 to 84.5	56 to 84.5	54 to 84.5	55 to 84.5	67 to 84.5	55 to 84.5	58 to 84.5	57 to 84.5	58 to 84.5	69 to 84.5	56 to 84.5	56 to 84.5	60 to 84.5	62 to 84.5	70 to 84.5
Standard hook block	25t										11.3t									
Hook block weight	870kg										440kg									
Standard number of parts of line	2										1									

Note) Counterweight 118t, outrigger extension width 8.0m

Capacity TFD

TRA + 40.4m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
9.0	37.6																			
10.0	37.5	38.3				16.7														
11.0	37.4	38.1				16.7														
12.0	37.3	38.0				16.7					16.7									
14.0	37.2	37.8	30.0	25.5		16.7	16.7				16.4					10.9				
16.0	37.2	36.0	28.7	24.7	22.7	16.7	16.7				16.0					10.9				
18.0	37.1	33.9	27.5	24.0	22.3	16.7	16.7	16.7			15.6	14.2				10.9				
20.0	35.2	32.1	26.4	23.4	22.0	16.7	16.7	16.7	14.9		15.2	13.7				10.7				
22.0	32.3	30.5	25.5	22.8	21.8	16.7	16.7	16.7	14.4	13.1	14.8	13.3				10.5	9.8			
24.0	27.3	28.3	24.6	22.4	21.6	16.7	16.7	16.2	14.0	12.9	14.3	12.9	11.5			10.3	9.4			
26.0	23.1	24.0	23.9	21.9	21.4	16.7	16.7	15.6	13.7	12.7	13.8	12.5	11.1			10.1	9.0			
28.0	19.6	20.4	21.4	21.6		16.7	16.7	15.1	13.3	12.5	13.3	12.1	10.8	9.6		9.9	8.6	7.3		
30.0	16.6	17.3	18.2	18.6		16.7	16.7	14.6	13.0	12.4	12.9	11.8	10.5	9.3	8.5	9.5	8.3	7.1		
32.0	14.0	14.6	15.4	15.7		16.7	16.2	14.1	12.8	12.3	12.5	11.5	10.2	9.1	8.4	9.1	8.0	6.8		
34.0	11.3	12.1	12.9	13.2		14.5	15.5	13.7	12.5	12.2	12.2	11.2	9.9	8.9	8.2	8.7	7.7	6.6	6.0	
36.0	9.0	9.7	10.3	10.6		12.4	13.4	13.3	12.3		11.8	10.9	9.7	8.7	8.1	8.4	7.4	6.4	5.8	
38.0	7.0	7.5	8.1			10.4	11.4	12.5	12.2		11.3	10.5	9.4	8.5	8.1	8.1	7.2	6.2	5.7	5.2
40.0	5.2	5.6	6.0			8.5	9.5	10.6	11.2		10.7	10.3	9.2	8.3	8.0	7.8	6.9	6.1	5.6	5.1
42.0	3.5	3.9	4.2			6.8	7.7	8.7	9.1		9.3	9.9	8.9	8.2		7.5	6.7	5.9	5.4	5.1
44.0		2.3				5.3	6.1	6.9			7.8	9.0	8.7	8.1		7.2	6.5	5.8	5.3	5.0
46.0						3.9	4.6	5.3			6.4	7.5	8.5	8.0		7.0	6.3	5.6	5.2	5.0
48.0						2.7	3.3	3.8			5.1	6.1	7.3	7.9		6.8	6.1	5.5	5.1	5.0
50.0							2.0	2.3			4.0	4.9	5.9			6.2	6.0	5.4	5.1	
54.0											2.0	2.6	3.3			4.1	5.1	5.2	4.9	
58.0																2.4	3.2	4.2		
62.0																		2.1		
θ (°)	36 to 84.5	34 to 84.5	39 to 84.5	51 to 84.5	67 to 84.5	36 to 84.5	36 to 84.5	39 to 84.5	53 to 84.5	66 to 84.5	37 to 84.5	41 to 84.5	44 to 84.5	55 to 84.5	67 to 84.5	41 to 84.5	45 to 84.5	43 to 84.5	57 to 84.5	67 to 84.5
Standard hook block	80t					25t					11.3t									
Hook block weight	1270kg					870kg					440kg									
Standard number of parts of line	4					2					1									

Note) Counterweight 98t, outrigger extension width 8.5m,
or counterweight 98t, outrigger extension width 8.0m

Capacity TFD

TRA + 45.4m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
9.0	28.2																			
10.0	28.1																			
11.0	28.0	28.6				16.7														
12.0	27.9	28.5				16.7														
14.0	27.8	27.7	25.2			16.7	16.7				15.5									
16.0	27.8	26.0	23.8	22.3	21.3	16.7	16.7				15.2					10.6				
18.0	26.2	24.5	22.5	21.2	20.3	16.7	16.7				14.9	14.0				10.4				
20.0	24.7	23.1	21.4	20.3	19.5	16.7	16.7	16.7			14.6	13.6				10.2				
22.0	23.3	21.9	20.4	19.4	18.8	16.7	16.7	16.7	14.6		14.3	13.2				10.0	9.6			
24.0	22.1	20.8	19.5	18.6	18.1	16.7	16.7	16.2	14.2	12.9	14.0	12.8				9.8	9.3			
26.0	21.0	19.9	18.7	17.9	17.5	16.7	16.7	15.5	13.8	12.7	13.7	12.4	11.0			9.7	8.9			
28.0	19.8	19.0	17.9	17.3	16.9	16.7	16.1	14.8	13.5	12.6	13.3	12.1	10.7			9.5	8.6			
30.0	16.8	17.5	17.3	16.7		16.5	15.4	14.2	13.2	12.4	12.9	11.8	10.4	9.5		9.3	8.3	7.0		
32.0	14.2	14.9	15.7	16.1		15.7	14.8	13.7	13.0	12.3	12.6	11.5	10.2	9.2	8.4	9.1	8.0	6.8		
34.0	11.6	12.4	13.3	13.6		14.5	14.2	13.2	12.6	12.2	12.2	11.2	9.9	9.0	8.3	8.8	7.7	6.6	5.9	
36.0	9.3	10.0	10.8	11.2		12.5	13.5	12.8	12.3	12.1	11.9	10.9	9.7	8.8	8.2	8.4	7.4	6.4	5.8	
38.0	7.3	7.9	8.6	8.8		10.4	11.5	12.4	11.9		11.6	10.6	9.5	8.6	8.1	8.2	7.2	6.3	5.7	5.3
40.0	5.5	6.0	6.6			8.6	9.6	10.8	11.5		10.8	10.3	9.3	8.5	8.0	7.9	7.0	6.1	5.6	5.2
42.0	3.8	4.3	4.8			6.9	7.8	9.0	9.6		9.2	10.1	9.1	8.3	8.0	7.6	6.8	5.9	5.4	5.1
44.0	2.4	2.8	3.1			5.4	6.2	7.2	7.7		7.7	8.9	8.9	8.2		7.4	6.6	5.8	5.3	5.1
46.0						4.0	4.8	5.6	6.0		6.3	7.4	8.7	8.1		7.1	6.4	5.7	5.2	5.0
48.0						2.8	3.5	4.2			5.0	6.1	7.4	8.0		6.9	6.2	5.5	5.1	5.0
50.0							2.2	2.8			3.9	4.9	6.0	6.7		6.0	6.1	5.4	5.1	5.0
54.0											1.9	2.7	3.6			3.9	5.0	5.2	4.9	
58.0																2.2	3.1	4.3	4.8	
62.0																		2.3		
θ (°)	41 to 84.5	42 to 84.5	43 to 84.5	53 to 84.5	67 to 84.5	45 to 84.5	44 to 84.5	46 to 84.5	53 to 84.5	67 to 84.5	43 to 84.5	47 to 84.5	50 to 84.5	57 to 84.5	68 to 84.5	46 to 84.5	50 to 84.5	49 to 84.5	56 to 84.5	68 to 84.5
Standard hook block	80t					25t					11.3t									
Hook block weight	1270kg					870kg					440kg									
Standard number of parts of line	4					2					1									

Note) Counterweight 98t, outrigger extension width 8.5m,
or counterweight 98t, outrigger extension width 8.0m

TRA + Full Automatic Luffing Jib

Capacity TFD

TRA + 50.5m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset									
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°					
10.0	21.0																								
11.0	20.9																								
12.0	20.9	19.2				15.9																			
14.0	20.3	17.9	15.5			15.8																			
16.0	19.0	16.9	14.7	13.3		15.8	13.5				12.2														
18.0	17.8	15.9	14.0	12.7	12.0	14.7	12.8				12.2					9.0									
20.0	16.7	15.0	13.3	12.2	11.6	13.8	12.1	10.3			11.7	10.1				9.0									
22.0	15.8	14.3	12.7	11.8	11.2	13.0	11.4	9.8	8.8		11.0	9.5				8.9									
24.0	14.9	13.6	12.2	11.3	10.9	12.3	10.8	9.4	8.5	7.9	10.4	9.0	7.7			8.9	8.0								
26.0	14.2	13.0	11.7	11.0	10.6	11.6	10.3	9.0	8.2	7.7	9.8	8.6	7.3			8.8	7.6								
28.0	13.5	12.4	11.3	10.6	10.3	11.0	9.8	8.6	7.9	7.4	9.3	8.2	7.0			8.3	7.3								
30.0	12.9	11.9	10.9	10.3	10.1	10.5	9.4	8.3	7.6	7.2	8.8	7.8	6.7	5.9		7.9	6.9	5.9							
32.0	12.3	11.4	10.5	10.0	9.8	10.0	9.0	8.0	7.4	7.0	8.4	7.5	6.5	5.7	5.1	7.5	6.6	5.6							
34.0	11.9	11.0	10.2	9.8		9.5	8.6	7.7	7.2	6.8	8.0	7.1	6.2	5.4	4.9	7.2	6.3	5.3							
36.0	9.8	10.5	9.9	9.5		9.1	8.3	7.5	6.9	6.6	7.6	6.8	5.9	5.2	4.8	6.8	6.0	5.1	4.4						
38.0	7.8	8.4	9.2	9.3		8.8	8.0	7.2	6.6	6.4	7.3	6.6	5.6	5.0	4.6	6.5	5.8	4.8	4.2						
40.0	5.9	6.5	7.2	7.5		8.4	7.7	7.0	6.4		7.0	6.2	5.3	4.8	4.4	6.2	5.5	4.6	4.0	3.6					
42.0	4.3	4.9	5.4	5.6		7.2	7.5	6.7	6.2		6.7	5.9	5.1	4.6	4.3	6.0	5.2	4.3	3.8	3.4					
44.0	2.9	3.3	3.8			5.7	6.6	6.5	6.1		6.4	5.6	4.9	4.4	4.2	5.6	4.9	4.1	3.6	3.3					
46.0			2.3			4.3	5.1	6.1	5.9		6.1	5.4	4.7	4.2		5.3	4.6	3.9	3.5	3.2					
48.0						3.1	3.8	4.7	5.1		5.1	5.1	4.5	4.1		5.0	4.4	3.7	3.3	3.1					
50.0						1.9	2.6	3.4			4.0	4.9	4.3	4.0		4.8	4.2	3.6	3.2	3.0					
54.0											2.0	2.9	3.9	3.7		3.9	3.8	3.2	2.9						
58.0																2.2	3.2	3.0	2.7						
62.0																1.5	2.6								
θ (°)	46 to 84.5	48 to 84.5	46 to 84.5	52 to 84.5	66 to 84.5	46 to 84.5	48 to 84.5	50 to 84.5	54 to 84.5	67 to 84.5	48 to 84.5	51 to 84.5	54 to 84.5	56 to 84.5	68 to 84.5	51 to 84.5	50 to 84.5	54 to 84.5	60 to 84.5	70 to 84.5					
Standard hook block																25t					11.3t				
Hook block weight																870kg					440kg				
Standard number of parts of line																2					1				

Note) Counterweight 98t, outrigger extension width 8.5m,
or counterweight 98t, outrigger extension width 8.0m

Capacity TFD

TRA + 55.6m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset									
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°					
11.0	15.0																								
12.0	15.0																								
14.0	14.9	15.2				11.7																			
16.0	14.9	15.0	13.3			11.6					8.8														
18.0	14.8	14.1	12.6	11.6	11.0	11.6	11.5				8.8					6.8									
20.0	14.2	13.3	12.0	11.1	10.5	11.6	10.9	9.4			8.8					6.7									
22.0	13.1	12.6	11.4	10.6	10.0	11.5	10.3	9.0			8.8	9.0				6.7									
24.0	12.1	11.9	10.9	10.1	9.5	10.9	9.7	8.4	7.5		8.8	8.5				6.7									
26.0	11.1	11.0	10.4	9.6	9.1	10.3	9.2	7.9	7.1	6.5	8.8	8.1	6.8			6.7	7.0								
28.0	10.3	10.2	9.9	9.2	8.7	9.7	8.7	7.5	6.7	6.2	8.6	7.6	6.4			6.7	6.7								
30.0	9.5	9.4	9.4	8.7	8.4	9.0	8.2	7.1	6.4	5.9	8.0	7.2	6.0			6.7	6.2								
32.0	8.8	8.7	8.7	8.3	8.0	8.4	7.7	6.7	6.0	5.6	7.5	6.7	5.7	5.0		6.7	5.8	4.8							
34.0	8.2	8.1	8.1	8.0		7.8	7.2	6.3	5.7	5.4	6.9	6.3	5.4	4.7	4.3	6.3	5.4	4.5							
36.0	7.6	7.5	7.5	7.5		7.2	6.8	6.0	5.5	5.2	6.5	5.9	5.1	4.5	4.1	5.9	5.1	4.3							
38.0	7.0	7.0	6.9	7.0		6.7	6.4	5.7	5.2	5.0	6.0	5.6	4.8	4.3	3.9	5.5	4.8	4.0	3.5						
40.0	6.5	6.5	6.4	6.5		6.2	6.1	5.4	5.0	4.8	5.6	5.2	4.5	4.0	3.7	5.1	4.5	3.8	3.3						
42.0	5.0	5.6	6.0	6.0		5.8	5.7	5.1	4.8		5.2	4.9	4.3	3.8	3.6	4.8	4.2	3.5	3.1						
44.0	3.5	4.1	4.6	4.8		5.4	5.3	4.9	4.6		4.9	4.7	4.0	3.6	3.4	4.5	3.9	3.3	2.9	2.7					
46.0		2.7	3.1			4.5	5.0	4.7	4.4		4.5	4.4	3.8	3.5	3.3	4.2	3.7	3.1	2.8	2.5					
48.0						3.3	4.1	4.4	4.2		4.2	4.1	3.6	3.3		3.9	3.5	2.9	2.6	2.4					
50.0							2.9	3.8	4.0		3.9	3.9	3.4	3.1		3.7	3.2	2.8	2.5	2.3					
54.0											2.3	3.3	3.1	2.9		3.2	2.9	2.4	2.2						
58.0													2.3	2.6		2.2	2.5	2.2	1.9						
62.0																	1.9	1.7							
θ (°)	51 to 84.5	50 to 84.5	51 to 84.5	54 to 84.5	68 to 84.5	53 to 84.5	52 to 84.5	55 to 84.5	56 to 84.5	68 to 84.5	53 to 84.5	55 to 84.5	54 to 84.5	55 to 84.5	69 to 84.5	55 to 84.5	58 to 84.5	57 to 84.5	59 to 84.5	72 to 84.5					
Standard hook block																25t					11.3t				
Hook block weight																870kg					440kg				
Standard number of parts of line																2					1				

Note) Counterweight 98t, outrigger extension width 8.5m,
or counterweight 98t, outrigger extension width 8.0m

Capacity TFD

TRA + 60.0m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
12.0	11.5																			
14.0	11.4	11.7				8.7														
16.0	11.4	11.7	12.3			8.7														
18.0	11.4	11.6	11.7	10.8		8.7	9.0				6.8									
20.0	11.4	11.6	11.1	10.3	9.6	8.6	8.9				6.8					5.3				
22.0	11.4	11.6	10.6	9.8	9.1	8.6	8.9	8.6			6.8	7.1				5.3				
24.0	10.6	10.6	10.1	9.2	8.7	8.6	8.8	8.1			6.8	7.0				5.3				
26.0	9.7	9.7	9.5	8.8	8.3	8.6	8.6	7.6	6.8		6.8	7.0				5.3	5.3			
28.0	8.9	8.9	8.9	8.3	7.9	7.9	8.0	7.2	6.4	5.9	6.8	7.0	5.9			5.3	5.3			
30.0	8.1	8.1	8.1	7.9	7.5	7.3	7.3	6.8	6.1	5.6	6.8	6.6	5.6			5.3	5.3			
32.0	7.4	7.4	7.4	7.5	7.2	6.7	6.7	6.4	5.8	5.4	6.5	6.2	5.2	4.6		5.3	5.3			
34.0	6.8	6.8	6.8	6.8	6.9	6.2	6.2	6.1	5.5	5.1	6.0	5.8	4.9	4.3		5.3	5.0	4.2		
36.0	6.2	6.2	6.2	6.2		5.6	5.7	5.7	5.2	4.9	5.5	5.4	4.6	4.1		5.3	4.7	3.9		
38.0	5.5	5.6	5.6	5.7		5.2	5.2	5.3	4.9	4.7	5.0	5.1	4.4	3.9	3.6	4.9	4.4	3.7		
40.0	4.3	4.9	5.1	5.2		4.7	4.8	4.9	4.7	4.5	4.6	4.7	4.1	3.7	3.4	4.5	4.1	3.4	3.0	
42.0	3.2	3.7	4.4	4.7		4.3	4.3	4.4	4.5	4.3	4.2	4.3	3.9	3.5	3.2	4.1	3.8	3.2	2.8	
44.0	2.1	2.6	3.2	3.4		3.9	4.0	4.0	4.1		3.9	3.9	3.6	3.3	3.1	3.8	3.6	3.0	2.6	
46.0			2.1	2.3		3.6	3.6	3.7	3.8		3.5	3.6	3.4	3.1	2.9	3.4	3.3	2.8	2.5	
48.0						2.6	3.3	3.3	3.4		3.2	3.3	3.2	2.9	2.8	3.1	3.1	2.6	2.3	2.1
50.0							2.5	3.0	3.1		2.9	3.0	3.0	2.8		2.9	2.9	2.5	2.2	2.0
54.0												2.4	2.5	2.5		2.3	2.4	2.2	1.9	1.8
58.0														2.1			1.9	1.9	1.7	
62.0																	1.6	1.5		
θ (°)	55 to 84.5	56 to 84.5	55 to 84.5	55 to 84.5	68 to 84.5	56 to 84.5	56 to 84.5	58 to 84.5	59 to 84.5	67 to 84.5	59 to 84.5	58 to 84.5	61 to 84.5	58 to 84.5	69 to 84.5	60 to 84.5	59 to 84.5	60 to 84.5	62 to 84.5	70 to 84.5
Standard hook block	25t										11.3t									
Hook block weight	870kg										440kg									
Standard number of parts of line	2										1									

Note) Counterweight 98t, outrigger extension width 8.5m,
or counterweight 98t, outrigger extension width 8.0m

TRA + Full Automatic Luffing Jib

Capacity TFE

TRA + 40.4m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
9.0	37.6																			
10.0	37.5	38.3				16.7														
11.0	37.4	38.1				16.7														
12.0	37.3	38.0				16.7					16.7									
14.0	37.2	37.8	30.0	25.5		16.7	16.7				16.4					10.9				
16.0	37.2	36.0	28.7	24.7	22.7	16.7	16.7				16.0					10.9				
18.0	37.1	33.9	27.5	24.0	22.3	16.7	16.7	16.7			15.6	14.2				10.9				
20.0	31.4	32.1	26.4	23.4	22.0	16.7	16.7	16.7	14.9		15.2	13.7				10.7				
22.0	25.9	27.1	25.5	22.8	21.8	16.7	16.7	16.7	14.4	13.1	14.8	13.3				10.5	9.8			
24.0	21.4	22.5	23.8	22.4	21.6	16.7	16.7	16.2	14.0	12.9	14.3	12.9	11.5			10.3	9.4			
26.0	17.7	18.7	19.8	20.6	20.8	16.7	16.7	15.6	13.7	12.7	13.8	12.5	11.1			10.1	9.0			
28.0	14.5	15.5	16.5	17.1		16.7	16.7	15.1	13.3	12.5	13.3	12.1	10.8	9.6		9.9	8.6	7.3		
30.0	11.5	12.4	13.5	14.1		14.8	16.1	14.6	13.0	12.4	12.9	11.8	10.5	9.3	8.5	9.5	8.3	7.1		
32.0	8.9	9.7	10.6	11.1		12.3	13.7	14.1	12.8	12.3	12.5	11.5	10.2	9.1	8.4	9.1	8.0	6.8		
34.0	6.6	7.3	8.1	8.5		10.0	11.3	12.8	12.5	12.2	12.2	11.2	9.9	8.9	8.2	8.7	7.7	6.6	6.0	
36.0	4.5	5.2	5.9	6.1		8.0	9.2	10.6	11.5		10.4	10.9	9.7	8.7	8.1	8.4	7.4	6.4	5.8	
38.0	2.8	3.3	3.8			6.1	7.2	8.5	9.3		8.6	10.2	9.4	8.5	8.1	8.1	7.2	6.2	5.7	5.2
40.0						4.5	5.5	6.6	7.3		7.0	8.4	9.2	8.3	8.0	7.8	6.9	6.1	5.6	5.1
42.0						3.1	3.9	4.9	5.4		5.5	6.8	8.5	8.2		7.5	6.7	5.9	5.4	5.1
44.0							2.5	3.3			4.2	5.4	6.9	7.9		6.4	6.5	5.8	5.3	5.0
46.0								1.9			3.0	4.1	5.4	6.2		5.2	6.3	5.6	5.2	5.0
48.0											1.9	2.9	4.0	4.7		4.1	5.4	5.5	5.1	5.0
50.0													2.8			3.1	4.3	5.4	5.1	
54.0																	2.3	3.6	4.4	
58.0																		1.5		
θ (°)	44 to 84.5	46 to 84.5	47 to 84.5	51 to 84.5	67 to 84.5	46 to 84.5	47 to 84.5	46 to 84.5	53 to 84.5	66 to 84.5	46 to 84.5	50 to 84.5	50 to 84.5	55 to 84.5	67 to 84.5	51 to 84.5	50 to 84.5	49 to 84.5	57 to 84.5	67 to 84.5
Standard hook block	80t					25t					11.3t									
Hook block weight	1270kg					870kg					440kg									
Standard number of parts of line	4					2					1									

Note) Counterweight 78t, outrigger extension width 8.5m,
or counterweight 78t, outrigger extension width 8.0m

Capacity TFE

TRA + 45.4m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
9.0	28.2																			
10.0	28.1																			
11.0	28.0	28.6				16.7														
12.0	27.9	28.5				16.7														
14.0	27.8	27.7	25.2			16.7	16.7				15.5									
16.0	27.8	26.0	23.8	22.3	21.3	16.7	16.7				15.2					10.6				
18.0	26.2	24.5	22.5	21.2	20.3	16.7	16.7				14.9	14.0				10.4				
20.0	24.7	23.1	21.4	20.3	19.5	16.7	16.7	16.7			14.6	13.6				10.2				
22.0	23.3	21.9	20.4	19.4	18.8	16.7	16.7	16.7	14.6		14.3	13.2				10.0	9.6			
24.0	21.6	20.8	19.5	18.6	18.1	16.7	16.7	16.2	14.2	12.9	14.0	12.8				9.8	9.3			
26.0	17.9	18.9	18.7	17.9	17.5	16.7	16.7	15.5	13.8	12.7	13.7	12.4	11.0			9.7	8.9			
28.0	14.8	15.7	16.7	17.3	16.9	16.7	16.1	14.8	13.5	12.6	13.3	12.1	10.7			9.5	8.6			
30.0	11.7	12.7	13.9	14.5		14.8	15.4	14.2	13.2	12.4	12.9	11.8	10.4	9.5		9.3	8.3	7.0		
32.0	9.1	10.0	11.0	11.6		12.3	13.7	13.7	13.0	12.3	12.6	11.5	10.2	9.2	8.4	9.1	8.0	6.8		
34.0	6.8	7.6	8.5	9.0		10.0	11.4	12.9	12.6	12.2	12.2	11.2	9.9	9.0	8.3	8.8	7.7	6.6	5.9	
36.0	4.8	5.5	6.3	6.7		8.0	9.2	10.8	11.8	12.1	10.3	10.9	9.7	8.8	8.2	8.4	7.4	6.4	5.8	
38.0		3.7	4.3	4.6		6.2	7.3	8.7	9.7		8.5	10.1	9.5	8.6	8.1	8.2	7.2	6.3	5.7	5.3
40.0						4.6	5.6	6.9	7.7		6.8	8.3	9.3	8.5	8.0	7.9	7.0	6.1	5.6	5.2
42.0						3.1	4.1	5.2	5.8		5.4	6.7	8.5	8.3	8.0	7.5	6.8	5.9	5.4	5.1
44.0							2.7	3.6	4.1		4.1	5.3	6.9	8.1		6.2	6.6	5.8	5.3	5.1
46.0								2.6			2.9	4.0	5.5	6.5		5.0	6.4	5.7	5.2	5.0
48.0												2.8	4.2	5.0		3.9	5.3	5.5	5.1	5.0
50.0													2.9	3.6		2.9	4.2	5.4	5.1	5.0
54.0																	2.2	3.6	4.6	
58.0																			2.3	
θ (°)	53 to 84.5	51 to 84.5	53 to 84.5	53 to 84.5	67 to 84.5	53 to 84.5	52 to 84.5	54 to 84.5	53 to 84.5	67 to 84.5	53 to 84.5	54 to 84.5	55 to 84.5	57 to 84.5	68 to 84.5	54 to 84.5	54 to 84.5	59 to 84.5	56 to 84.5	68 to 84.5
Standard hook block	80t					25t					11.3t									
Hook block weight	1270kg					870kg					440kg									
Standard number of parts of line	4					2					1									

Note) Counterweight 78t, outrigger extension width 8.5m,
or counterweight 78t, outrigger extension width 8.0m

Capacity TFE

TRA + 50.5m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset									
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°					
10.0	21.0																								
11.0	20.9																								
12.0	20.9	19.2				15.9																			
14.0	20.3	17.9	15.5			15.8																			
16.0	19.0	16.9	14.7	13.3		15.8	13.5				12.2														
18.0	17.8	15.9	14.0	12.7	12.0	14.7	12.8				12.2					9.0									
20.0	16.7	15.0	13.3	12.2	11.6	13.8	12.1	10.3			11.7	10.1				9.0									
22.0	15.8	14.3	12.7	11.8	11.2	13.0	11.4	9.8	8.8		11.0	9.5				8.9									
24.0	14.9	13.6	12.2	11.3	10.9	12.3	10.8	9.4	8.5	7.9	10.4	9.0	7.7			8.9	8.0								
26.0	14.2	13.0	11.7	11.0	10.6	11.6	10.3	9.0	8.2	7.7	9.8	8.6	7.3			8.8	7.6								
28.0	13.5	12.4	11.3	10.6	10.3	11.0	9.8	8.6	7.9	7.4	9.3	8.2	7.0			8.3	7.3								
30.0	12.2	11.9	10.9	10.3	10.1	10.5	9.4	8.3	7.6	7.2	8.8	7.8	6.7	5.9		7.9	6.9	5.9							
32.0	9.6	10.5	10.5	10.0	9.8	10.0	9.0	8.0	7.4	7.0	8.4	7.5	6.5	5.7	5.1	7.5	6.6	5.6							
34.0	7.3	8.1	9.1	9.7		9.5	8.6	7.7	7.2	6.8	8.0	7.1	6.2	5.4	4.9	7.2	6.3	5.3							
36.0	5.3	6.0	6.9	7.4		8.2	8.3	7.5	6.9	6.6	7.6	6.8	5.9	5.2	4.8	6.8	6.0	5.1	4.4						
38.0		4.2	5.0	5.3		6.4	7.6	7.2	6.6	6.4	7.3	6.6	5.6	5.0	4.6	6.5	5.8	4.8	4.2						
40.0						4.8	5.9	7.0	6.4		6.9	6.2	5.3	4.8	4.4	6.2	5.5	4.6	4.0	3.6					
42.0						3.4	4.4	5.6	6.2		5.5	5.9	5.1	4.6	4.3	6.0	5.2	4.3	3.8	3.4					
44.0								4.1	4.7		4.2	5.5	4.9	4.4	4.2	5.6	4.9	4.1	3.6	3.3					
46.0									3.2			4.2	4.2			5.0	4.6	3.9	3.5	3.2					
48.0												4.4	4.1			3.9	4.4	3.7	3.3	3.1					
50.0												3.2	4.0			2.9	4.2	3.6	3.2	3.0					
54.0																		3.2	2.9						
58.0																									
θ (°)	56 to 84.5	55 to 84.5	57 to 84.5	57 to 84.5	66 to 84.5	55 to 84.5	57 to 84.5	58 to 84.5	57 to 84.5	67 to 84.5	58 to 84.5	59 to 84.5	59 to 84.5	61 to 84.5	68 to 84.5	58 to 84.5	61 to 84.5	62 to 84.5	60 to 84.5	70 to 84.5					
Standard hook block																25t					11.3t				
Hook block weight																870kg					440kg				
Standard number of parts of line																2					1				

Note) Counterweight 78t, outrigger extension width 8.5m,
or counterweight 78t, outrigger extension width 8.0m

Capacity TFE

TRA + 55.6m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset									
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°					
11.0	15.0																								
12.0	15.0																								
14.0	14.9	15.2				11.7																			
16.0	14.9	15.0	13.3			11.6					8.8														
18.0	14.8	14.1	12.6	11.6	11.0	11.6	11.5				8.8					6.8									
20.0	14.2	13.3	12.0	11.1	10.5	11.6	10.9	9.4			8.8					6.7									
22.0	13.1	12.6	11.4	10.6	10.0	11.5	10.3	9.0			8.8	9.0				6.7									
24.0	12.1	11.9	10.9	10.1	9.5	10.9	9.7	8.4	7.5		8.8	8.5				6.7									
26.0	11.1	11.0	10.4	9.6	9.1	10.3	9.2	7.9	7.1	6.5	8.8	8.1	6.8			6.7	7.0								
28.0	10.3	10.2	9.9	9.2	8.7	9.7	8.7	7.5	6.7	6.2	8.6	7.6	6.4			6.7	6.7								
30.0	9.5	9.4	9.4	8.7	8.4	9.0	8.2	7.1	6.4	5.9	8.0	7.2	6.0			6.7	6.2								
32.0	8.8	8.7	8.7	8.3	8.0	8.4	7.7	6.7	6.0	5.6	7.5	6.7	5.7	5.0		6.7	5.8	4.8							
34.0	8.0	8.1	8.1	8.0		7.8	7.2	6.3	5.7	5.4	6.9	6.3	5.4	4.7	4.3	6.3	5.4	4.5							
36.0	6.0	6.8	7.5	7.5		7.2	6.8	6.0	5.5	5.2	6.5	5.9	5.1	4.5	4.1	5.9	5.1	4.3							
38.0	4.2	4.9	5.7	6.2		6.6	6.4	5.7	5.2	5.0	6.0	5.6	4.8	4.3	3.9	5.5	4.8	4.0	3.5						
40.0			4.0	4.4		5.0	6.1	5.4	5.0	4.8	5.6	5.2	4.5	4.0	3.7	5.1	4.5	3.8	3.3						
42.0							4.6	5.1	4.8		5.2	4.9	4.3	3.8	3.6	4.8	4.2	3.5	3.1						
44.0								4.4	4.6		4.5	4.7	4.0	3.6	3.4	4.5	3.9	3.3	2.9	2.7					
46.0											3.3	4.4	3.8	3.5	3.3	4.2	3.7	3.1	2.8	2.5					
48.0												3.4	3.6	3.3		3.9	3.5	2.9	2.6	2.4					
50.0													3.4	3.1			3.2	2.8	2.5	2.3					
54.0																									
58.0																									
θ (°)	58 to 84.5	59 to 84.5	58 to 84.5	59 to 84.5	68 to 84.5	61 to 84.5	61 to 84.5	61 to 84.5	62 to 84.5	68 to 84.5	60 to 84.5	61 to 84.5	62 to 84.5	64 to 84.5	69 to 84.5	63 to 84.5	64 to 84.5	65 to 84.5	67 to 84.5	72 to 84.5					
Standard hook block																25t					11.3t				
Hook block weight																870kg					440kg				
Standard number of parts of line																2					1				

Note) Counterweight 78t, outrigger extension width 8.5m,
or counterweight 78t, outrigger extension width 8.0m

TRA + Full Automatic Luffing Jib

Capacity TFE

TRA + 60.0m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
12.0	11.5																			
14.0	11.4	11.7				8.7														
16.0	11.4	11.7	12.3			8.7														
18.0	11.4	11.6	11.7	10.8		8.7	9.0				6.8									
20.0	11.4	11.6	11.1	10.3	9.6	8.6	8.9				6.8					5.3				
22.0	11.4	11.6	10.6	9.8	9.1	8.6	8.9	8.6			6.8	7.1				5.3				
24.0	10.6	10.6	10.1	9.2	8.7	8.6	8.8	8.1			6.8	7.0				5.3				
26.0	9.7	9.7	9.5	8.8	8.3	8.6	8.6	7.6	6.8		6.8	7.0				5.3	5.3			
28.0	8.9	8.9	8.9	8.3	7.9	7.9	8.0	7.2	6.4	5.9	6.8	7.0	5.9			5.3	5.3			
30.0	8.1	8.1	8.1	7.9	7.5	7.3	7.3	6.8	6.1	5.6	6.8	6.6	5.6			5.3	5.3			
32.0	7.4	7.4	7.4	7.5	7.2	6.7	6.7	6.4	5.8	5.4	6.5	6.2	5.2	4.6		5.3	5.3			
34.0	6.8	6.8	6.8	6.8	6.9	6.2	6.2	6.1	5.5	5.1	6.0	5.8	4.9	4.3		5.3	5.0	4.2		
36.0	5.9	6.2	6.2	6.2		5.6	5.7	5.7	5.2	4.9	5.5	5.4	4.6	4.1		5.3	4.7	3.9		
38.0			5.6	5.7		5.2	5.2	5.3	4.9	4.7	5.0	5.1	4.4	3.9	3.6	4.9	4.4	3.7		
40.0						4.7	4.8	4.9	4.7	4.5	4.6	4.7	4.1	3.7	3.4	4.5	4.1	3.4	3.0	
42.0							4.3	4.4	4.5	4.3	4.2	4.3	3.9	3.5	3.2	4.1	3.8	3.2	2.8	
44.0								4.0	4.1		3.9	3.9	3.6	3.3	3.1	3.8	3.6	3.0	2.6	
46.0									3.8			3.6	3.4	3.1	2.9	3.4	3.3	2.8	2.5	
48.0													3.2	2.9	2.8		3.1	2.6	2.3	2.1
50.0														2.8			2.9	2.5	2.2	2.0
54.0																		2.2	1.9	1.8
θ (°)	63 to 84.5	64 to 84.5	63 to 84.5	64 to 84.5	68 to 84.5	63 to 84.5	63 to 84.5	64 to 84.5	63 to 84.5	67 to 84.5	64 to 84.5	64 to 84.5	66 to 84.5	66 to 84.5	69 to 84.5	66 to 84.5	66 to 84.5	66 to 84.5	69 to 84.5	70 to 84.5
Standard hook block	25t					11.3t														
Hook block weight	870kg					440kg														
Standard number of parts of line	2					1														

Note) Counterweight 78t, outrigger extension width 8.5m,
or counterweight 78t, outrigger extension width 8.0m

Capacity TFF

TRA + 40.4m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
9.0	37.6																			
10.0	37.5	38.3				16.7														
11.0	37.4	38.1				16.7														
12.0	37.3	38.0				16.7					16.7									
14.0	37.2	37.8	30.0	25.5		16.7	16.7				16.4					10.9				
16.0	37.2	36.0	28.7	24.7	22.7	16.7	16.7				16.0					10.9				
18.0	30.1	31.7	27.5	24.0	22.3	16.7	16.7	16.7			15.6	14.2				10.9				
20.0	24.1	25.5	26.4	23.4	22.0	16.7	16.7	16.7	14.9		15.2	13.7				10.7				
22.0	19.4	20.6	22.1	22.8	21.8	16.7	16.7	16.7	14.4	13.1	14.8	13.3				10.5	9.8			
24.0	15.3	16.6	18.0	18.9	19.3	16.7	16.7	16.2	14.0	12.9	14.3	12.9	11.5			10.3	9.4			
26.0	11.6	12.8	14.4	15.2	15.5	15.3	16.7	15.6	13.7	12.7	13.8	12.5	11.1			10.1	9.0			
28.0	8.6	9.6	10.9	11.8		12.2	14.0	15.1	13.3	12.5	13.3	12.1	10.8	9.6		9.9	8.6	7.3		
30.0	6.0	6.9	8.0	8.7		9.5	11.1	13.2	13.0	12.4	12.1	11.8	10.5	9.3	8.5	9.5	8.3	7.1		
32.0		4.6	5.5	6.0		7.2	8.7	10.6	11.9	12.3	9.8	11.5	10.2	9.1	8.4	9.1	8.0	6.8		
34.0						5.2	6.5	8.2	9.4	9.9	7.7	9.6	9.9	8.9	8.2	8.7	7.7	6.6	6.0	
36.0						3.5	4.7	6.2	7.1		6.0	7.6	9.7	8.7	8.1	8.3	7.4	6.4	5.8	
38.0								4.3	5.1		4.4	5.9	8.0	8.5	8.1	6.7	7.2	6.2	5.7	5.2
40.0												4.4	6.3	7.6	8.0	5.3	6.9	6.1	5.6	5.1
42.0													4.7	5.9		4.0	5.7	5.9	5.4	5.1
44.0														4.3		2.8	4.4	5.8	5.3	5.0
46.0																	3.2	5.1	5.2	5.0
48.0																		3.9	5.1	5.0
50.0																		2.7	3.9	
θ (°)	56 to 84.5	55 to 84.5	57 to 84.5	58 to 84.5	67 to 84.5	54 to 84.5	58 to 84.5	58 to 84.5	59 to 84.5	66 to 84.5	58 to 84.5	59 to 84.5	61 to 84.5	61 to 84.5	67 to 84.5	57 to 84.5	59 to 84.5	60 to 84.5	63 to 84.5	67 to 84.5
Standard hook block	80t					25t					11.3t									
Hook block weight	1270kg					870kg					440kg									
Standard number of parts of line	4					2					1									

Note) Counterweight 78t, outrigger extension width 6.8m,
or counterweight 58t, outrigger extension width 8.5m,
or counterweight 58t, outrigger extension width 8.0m

Capacity TFF

TRA + 45.4m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
9.0	28.2																			
10.0	28.1																			
11.0	28.0	28.6				16.7														
12.0	27.9	28.5				16.7														
14.0	27.8	27.7	25.2			16.7	16.7				15.5									
16.0	27.8	26.0	23.8	22.3	21.3	16.7	16.7				15.2					10.6				
18.0	26.2	24.5	22.5	21.2	20.3	16.7	16.7				14.9	14.0				10.4				
20.0	24.3	23.1	21.4	20.3	19.5	16.7	16.7	16.7			14.6	13.6				10.2				
22.0	19.6	20.8	20.4	19.4	18.8	16.7	16.7	16.7	14.6		14.3	13.2				10.0	9.6			
24.0	15.5	16.8	18.2	18.6	18.1	16.7	16.7	16.2	14.2	12.9	14.0	12.8				9.8	9.3			
26.0	11.8	13.1	14.7	15.5	15.9	15.3	16.7	15.5	13.8	12.7	13.7	12.4	11.0			9.7	8.9			
28.0	8.8	9.9	11.3	12.2	12.5	12.2	14.0	14.8	13.5	12.6	13.3	12.1	10.7			9.5	8.6			
30.0	6.2	7.2	8.4	9.1		9.5	11.2	13.2	13.2	12.4	11.9	11.8	10.4	9.5		9.3	8.3	7.0		
32.0			5.9	6.5		7.2	8.7	10.7	12.1	12.3	9.6	11.5	10.2	9.2	8.4	9.1	8.0	6.8		
34.0						5.2	6.6	8.4	9.7	10.3	7.6	9.5	9.9	9.0	8.3	8.8	7.7	6.6	5.9	
36.0							4.7	6.3	7.4	7.9	5.8	7.6	9.7	8.8	8.2	8.0	7.4	6.4	5.8	
38.0								4.5	5.5			5.8	8.0	8.6	8.1	6.4	7.2	6.3	5.7	5.3
40.0												4.3	6.3	7.8	8.0	5.0	6.9	6.1	5.6	5.2
42.0													4.7	6.1	6.7	3.8	5.5	5.9	5.4	5.1
44.0														4.5			4.2	5.8	5.3	5.1
46.0																		5.1	5.2	5.0
48.0																		3.9	5.1	5.0
50.0																			4.0	4.6
θ (°)	61 to 84.5	62 to 84.5	61 to 84.5	62 to 84.5	67 to 84.5	62 to 84.5	62 to 84.5	62 to 84.5	63 to 84.5	67 to 84.5	63 to 84.5	63 to 84.5	65 to 84.5	65 to 84.5	68 to 84.5	62 to 84.5	64 to 84.5	65 to 84.5	66 to 84.5	68 to 84.5
Standard hook block	80t					25t					11.3t									
Hook block weight	1270kg					870kg					440kg									
Standard number of parts of line	4					2					1									

Note) Counterweight 78t, outrigger extension width 6.8m,
or counterweight 58t, outrigger extension width 8.5m,
or counterweight 58t, outrigger extension width 8.0m

TRA + Full Automatic Luffing Jib

Capacity TFF

TRA + 50.5m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset									
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°					
10.0	21.0																								
11.0	20.9																								
12.0	20.9	19.2				15.9																			
14.0	20.3	17.9	15.5			15.8																			
16.0	19.0	16.9	14.7	13.3		15.8	13.5				12.2														
18.0	17.8	15.9	14.0	12.7	12.0	14.7	12.8				12.2					9.0									
20.0	16.7	15.0	13.3	12.2	11.6	13.8	12.1	10.3			11.7	10.1				9.0									
22.0	15.8	14.3	12.7	11.8	11.2	13.0	11.4	9.8	8.8		11.0	9.5				8.9									
24.0	14.9	13.6	12.2	11.3	10.9	12.3	10.8	9.4	8.5	7.9	10.4	9.0	7.7			8.9	8.0								
26.0	12.3	13.0	11.7	11.0	10.6	11.6	10.3	9.0	8.2	7.7	9.8	8.6	7.3			8.8	7.6								
28.0	9.2	10.4	11.3	10.6	10.3	11.0	9.8	8.6	7.9	7.4	9.3	8.2	7.0			8.3	7.3								
30.0	6.7	7.7	8.9	9.7	10.1	9.7	9.4	8.3	7.6	7.2	8.8	7.8	6.7	5.9		7.9	6.9	5.9							
32.0			6.4	7.1	7.3	7.4	9.0	8.0	7.4	7.0	8.4	7.5	6.5	5.7	5.1	7.5	6.6	5.6							
34.0						5.5	6.9	7.7	7.2	6.8	7.6	7.1	6.2	5.4	4.9	7.2	6.3	5.3							
36.0								6.7	6.9	6.6	5.9	6.8	5.9	5.2	4.8	6.8	6.0	5.1	4.4						
38.0									5.9	6.3		6.0	5.6	5.0	4.6	6.4	5.8	4.8	4.2						
40.0													5.3	4.8	4.4	5.0	5.5	4.6	4.0	3.6					
42.0													4.9	4.6	4.3		5.2	4.3	3.8	3.4					
44.0													4.4	4.2			4.2	4.1	3.6	3.3					
46.0																		3.9	3.5	3.2					
48.0																		3.7	3.3	3.1					
50.0																			3.2	3.0					
θ (°)	63 to 84.5	64 to 84.5	64 to 84.5	65 to 84.5	66 to 84.5	63 to 84.5	66 to 84.5	66 to 84.5	66 to 84.5	67 to 84.5	66 to 84.5	67 to 84.5	67 to 84.5	67 to 84.5	68 to 84.5	66 to 84.5	67 to 84.5	68 to 84.5	69 to 84.5	70 to 84.5					
Standard hook block																25t					11.3t				
Hook block weight																870kg					440kg				
Standard number of parts/m																2					1				

Note) Counterweight 78t, outrigger extension width 6.8m,
or counterweight 58t, outrigger extension width 8.5m,
or counterweight 58t, outrigger extension width 8.0m

Capacity TFF

TRA + 55.6m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset									
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°					
11.0	15.0																								
12.0	15.0																								
14.0	14.9	15.2				11.7																			
16.0	14.9	15.0	13.3			11.6					8.8														
18.0	14.8	14.1	12.6	11.6	11.0	11.6	11.5				8.8					6.8									
20.0	14.2	13.3	12.0	11.1	10.5	11.6	10.9	9.4			8.8					6.7									
22.0	13.1	12.6	11.4	10.6	10.0	11.5	10.3	9.0			8.8	9.0				6.7									
24.0	12.1	11.9	10.9	10.1	9.5	10.9	9.7	8.4	7.5		8.8	8.5				6.7									
26.0	11.1	11.0	10.4	9.6	9.1	10.3	9.2	7.9	7.1	6.5	8.8	8.1	6.8			6.7	7.0								
28.0	10.0	10.2	9.9	9.2	8.7	9.7	8.7	7.5	6.7	6.2	8.6	7.6	6.4			6.7	6.7								
30.0	7.4	8.4	9.4	8.7	8.4	9.0	8.2	7.1	6.4	5.9	8.0	7.2	6.0			6.7	6.2								
32.0			7.2	8.0	8.0	7.6	7.7	6.7	6.0	5.6	7.5	6.7	5.7	5.0		6.7	5.8	4.8							
34.0							7.1	6.3	5.7	5.4	6.9	6.3	5.4	4.7	4.3	6.3	5.4	4.5							
36.0								6.0	5.5	5.2	6.3	5.9	5.1	4.5	4.1	5.9	5.1	4.3							
38.0									5.2	5.0		5.6	4.8	4.3	3.9	5.5	4.8	4.0	3.5						
40.0												4.9	4.5	4.0	3.7	5.0	4.5	3.8	3.3						
42.0													4.3	3.8	3.6		4.2	3.5	3.1						
44.0														3.6	3.4			3.3	2.9	2.7					
46.0															3.3			3.1	2.8	2.5					
48.0																			2.6	2.4					
50.0																				2.5	2.3				
θ (°)	66 to 84.5	67 to 84.5	67 to 84.5	68 to 84.5	68 to 84.5	68 to 84.5	68 to 84.5	69 to 84.5	69 to 84.5	69 to 84.5	68 to 84.5	68 to 84.5	69 to 84.5	70 to 84.5	69 to 84.5	69 to 84.5	71 to 84.5	71 to 84.5	71 to 84.5	72 to 84.5					
Standard hook block																25t					11.3t				
Hook block weight																870kg					440kg				
Standard number of parts/m																2					1				

Note) Counterweight 78t, outrigger extension width 6.8m,
or counterweight 58t, outrigger extension width 8.5m,
or counterweight 58t, outrigger extension width 8.0m

Capacity TFF

TRA + 60.0m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset			
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°
12.0	11.5																		
14.0	11.4	11.7				8.7													
16.0	11.4	11.7	12.3			8.7													
18.0	11.4	11.6	11.7	10.8		8.7	9.0				6.8								
20.0	11.4	11.6	11.1	10.3	9.6	8.6	8.9				6.8					5.3			
22.0	11.4	11.6	10.6	9.8	9.1	8.6	8.9	8.6			6.8	7.1				5.3			
24.0	10.6	10.6	10.1	9.2	8.7	8.6	8.8	8.1			6.8	7.0				5.3			
26.0	9.7	9.7	9.5	8.8	8.3	8.6	8.6	7.6	6.8		6.8	7.0				5.3	5.3		
28.0	8.9	8.9	8.9	8.3	7.9	7.9	8.0	7.2	6.4	5.9	6.8	7.0	5.9			5.3	5.3		
30.0		8.1	8.1	7.9	7.5	7.3	7.3	6.8	6.1	5.6	6.8	6.6	5.6			5.3	5.3		
32.0				7.5	7.2	6.7	6.7	6.4	5.8	5.4	6.5	6.2	5.2	4.6		5.3	5.3		
34.0							6.2	6.1	5.5	5.1	6.0	5.8	4.9	4.3		5.3	5.0	4.2	
36.0								5.7	5.2	4.9		5.4	4.6	4.1		5.3	4.7	3.9	
38.0									4.9	4.7		5.1	4.4	3.9	3.6	4.9	4.4	3.7	
40.0												4.1	3.7	3.4		4.1	3.4	3.0	
42.0													3.5	3.2			3.2	2.8	
44.0													3.3	3.1			3.0	2.6	
46.0																		2.5	
48.0																		2.3	
θ (°)	70 to 84.5	69 to 84.5	70 to 84.5	70 to 84.5	70 to 84.5	70 to 84.5	70 to 84.5	71 to 84.5	71 to 84.5	71 to 84.5	71 to 84.5	71 to 84.5	71 to 84.5	72 to 84.5	71 to 84.5	73 to 84.5	74 to 84.5	74 to 84.5	74 to 84.5
Standard hook block	25t					11.3t													
Hook block weight	870kg					440kg													
Standard number of parts of line	2					1													

Note) Counterweight 78t, outrigger extension width 6.8m,
or counterweight 58t, outrigger extension width 8.5m,
or counterweight 58t, outrigger extension width 8.0m

TRA + Full Automatic Luffing Jib

Capacity TFG

TRA + 40.4m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset				
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°
9.0	37.6																			
10.0	37.5	38.3				16.7														
11.0	37.4	38.1				16.7														
12.0	37.3	38.0				16.7					16.7									
14.0	37.2	37.8	30.0	25.5		16.7	16.7				16.4					10.9				
16.0	31.7	33.7	28.7	24.7	22.7	16.7	16.7				16.0					10.9				
18.0	24.7	26.4	27.5	24.0	22.3	16.7	16.7	16.7			15.6	14.2				10.9				
20.0	19.3	20.7	22.6	23.4	22.0	16.7	16.7	16.7		14.9		15.2	13.7			10.7				
22.0	14.6	16.2	17.9	19.1	19.7	16.7	16.7	16.7	14.4	13.1	14.8	13.3				10.5	9.8			
24.0	10.8	12.1	13.9	15.1	15.5	14.5	16.4	16.2	14.0	12.9	14.3	12.9	11.5			10.3	9.4			
26.0	7.6	8.8	10.3	11.3	11.6	11.2	13.2	15.5	13.7	12.7	13.8	12.5	11.1			10.1	9.0			
28.0		6.0	7.3	8.1		8.5	10.3	12.6	13.3	12.5	11.0	12.1	10.8	9.6		9.9	8.6	7.3		
30.0				5.3		6.1	7.7	9.8	11.4	12.3	8.7	10.9	10.5	9.3	8.5	9.5	8.3	7.1		
32.0							5.6	7.4	8.8	9.5	6.6	8.6	10.2	9.1	8.4	9.0	8.0	6.8		
34.0								5.3	6.5	7.0	4.9	6.7	9.1	8.9	8.2	7.2	7.7	6.6	6.0	
36.0									4.4			4.9	7.2	8.7	8.1	5.6	7.4	6.4	5.8	
38.0													5.4	7.0	7.9	4.2	6.1	6.2	5.7	5.2
40.0														5.2	5.9		4.7	6.1	5.6	5.1
42.0																		5.6	5.4	5.1
44.0																		4.3	5.3	5.0
46.0																			4.6	5.0
48.0																			3.3	3.9
θ (°)	62 to 84.5	61 to 84.5	63 to 84.5	61 to 84.5	67 to 84.5	61 to 84.5	63 to 84.5	63 to 84.5	62 to 84.5	66 to 84.5	62 to 84.5	64 to 84.5	66 to 84.5	66 to 84.5	67 to 84.5	63 to 84.5	65 to 84.5	67 to 84.5	65 to 84.5	67 to 84.5
Standard hook block	80t					25t					11.3t									
Hook block weight	1270kg					870kg					440kg									
Standard number of parts of line	4					2					1									

Note) Counterweight 58t, outrigger extension width 6.8m,
or counterweight 47t, outrigger extension width 8.5m,
or counterweight 47t, outrigger extension width 8.0m

Capacity TFG

TRA + 45.4m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset					
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	
9.0	28.2																				
10.0	28.1																				
11.0	28.0	28.6				16.7															
12.0	27.9	28.5				16.7															
14.0	27.8	27.7	25.2			16.7	16.7				15.5										
16.0	27.8	26.0	23.8	22.3	21.3	16.7	16.7				15.2					10.6					
18.0	24.9	24.5	22.5	21.2	20.3	16.7	16.7				14.9	14.0				10.4					
20.0	19.5	20.9	21.4	20.3	19.5	16.7	16.7	16.7			14.6	13.6				10.2					
22.0	14.8	16.4	18.2	19.4	18.8	16.7	16.7	16.7	14.6		14.3	13.2				10.0	9.6				
24.0	11.0	12.4	14.1	15.4	15.9	14.4	16.5	16.2	14.2	12.9	14.0	12.8				9.8	9.3				
26.0	7.8	9.0	10.6	11.7	12.1	11.2	13.2	15.5	13.8	12.7	13.6	12.4	11.0			9.7	8.9				
28.0			7.6	8.5	8.8	8.5	10.3	12.7	13.5	12.6	10.9	12.1	10.7			9.5	8.6				
30.0						6.1	7.8	10.0	11.6	12.4	8.5	10.7	10.4	9.5		9.3	8.3	7.0			
32.0							5.6	7.6	9.0	9.8	6.5	8.5	10.2	9.2	8.4	8.7	8.0	6.8			
34.0									5.5	6.8	7.4		6.6	9.1	9.0	8.3	6.9	7.7	6.6	5.9	
36.0														7.2	8.8	8.2	5.3	7.4	6.4	5.8	
38.0															5.4	7.1	8.1	5.9	6.3	5.7	5.3
40.0																5.4	6.2		6.1	5.6	5.2
42.0																			5.6	5.4	5.1
44.0																			4.3	5.3	5.1
46.0																				4.6	5.0
48.0																					4.2
θ (°)	65 to 84.5	66 to 84.5	66 to 84.5	67 to 84.5	67 to 84.5	66 to 84.5	66 to 84.5	67 to 84.5	68 to 84.5	67 to 84.5	67 to 84.5	69 to 84.5	69 to 84.5	69 to 84.5	70 to 84.5	67 to 84.5	68 to 84.5	69 to 84.5	71 to 84.5	70 to 84.5	
Standard hook block	80t					25t					11.3t										
Hook block weight	1270kg					870kg					440kg										
Standard number of parts of line	4					2					1										

Note) Counterweight 58t, outrigger extension width 6.8m,
or counterweight 47t, outrigger extension width 8.5m,
or counterweight 47t, outrigger extension width 8.0m

Capacity TFG

TRA + 50.5m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset									
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°					
10.0	21.0																								
11.0	20.9																								
12.0	20.9	19.2				15.9																			
14.0	20.3	17.9	15.5			15.8																			
16.0	19.0	16.9	14.7	13.3		15.8	13.5				12.2														
18.0	17.8	15.9	14.0	12.7	12.0	14.7	12.8				12.2					9.0									
20.0	16.7	15.0	13.3	12.2	11.6	13.8	12.1	10.3			11.7	10.1				9.0									
22.0	15.3	14.3	12.7	11.8	11.2	13.0	11.4	9.8	8.8		11.0	9.5				8.9									
24.0	11.4	12.8	12.2	11.3	10.9	12.3	10.8	9.4	8.5	7.9	10.4	9.0	7.7			8.9	8.0								
26.0	8.3	9.5	11.1	11.0	10.6	11.4	10.3	9.0	8.2	7.7	9.8	8.6	7.3			8.8	7.6								
28.0			8.1	9.1	9.5	8.7	9.8	8.6	7.9	7.4	9.3	8.2	7.0			8.3	7.3								
30.0						8.0	8.3	7.6	7.2	8.6	7.8	6.7	5.9			7.9	6.9	5.9							
32.0							7.9	7.4	7.0	6.5	7.5	6.5	5.7	5.1		7.5	6.6	5.6							
34.0								7.1	6.8		6.7	6.2	5.4	4.9	6.9	6.3	5.3								
36.0									5.7			5.9	5.2	4.8	5.3	6.0	5.1	4.4							
38.0												5.0	4.6		5.8	4.8	4.2								
40.0												4.8	4.4			4.6	4.0	3.6							
42.0															4.3	3.8	3.4								
44.0																3.6	3.3								
46.0																3.5	3.2								
48.0																	3.1								
θ (°)	67 to 84.5	69 to 84.5	68 to 84.5	69 to 84.5	70 to 84.5	69 to 84.5	69 to 84.5	70 to 84.5	70 to 84.5	69 to 84.5	69 to 84.5	70 to 84.5	72 to 84.5	71 to 84.5	73 to 84.5	69 to 84.5	71 to 84.5	73 to 84.5	73 to 84.5	72 to 84.5					
Standard hook block																25t					11.3t				
Hook block weight																870kg					440kg				
Standard number of parts of line																2					1				

Note) Counterweight 58t, outrigger extension width 6.8m,
or counterweight 47t, outrigger extension width 8.5m,
or counterweight 47t, outrigger extension width 8.0m

Capacity TFG

TRA + 55.6m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset					31.0m Offset								
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°					
11.0	15.0																							
12.0	15.0																							
14.0	14.9	15.2				11.7																		
16.0	14.9	15.0	13.3			11.6					8.8													
18.0	14.8	14.1	12.6	11.6	11.0	11.6	11.5				8.8					6.8								
20.0	14.2	13.3	12.0	11.1	10.5	11.6	10.9	9.4			8.8					6.7								
22.0	13.1	12.6	11.4	10.6	10.0	11.5	10.3	9.0			8.8	9.0				6.7								
24.0	12.1	11.9	10.9	10.1	9.5	10.9	9.7	8.4	7.5		8.8	8.5				6.7								
26.0	9.0	10.2	10.4	9.6	9.1	10.3	9.2	7.9	7.1	6.5	8.8	8.1	6.8			6.7	7.0							
28.0			8.8	9.2	8.7	8.9	8.7	7.5	6.7	6.2	8.6	7.6	6.4			6.7	6.7							
30.0					7.5		8.2	7.1	6.4	5.9	8.0	7.2	6.0			6.7	6.2							
32.0							6.7	6.0	5.6	7.0	6.7	5.7	5.0			6.7	5.8	4.8						
34.0								5.7	5.4		6.3	5.4	4.7	4.3	6.3	5.4	4.5							
36.0											5.1	4.5	4.1		5.1	4.3								
38.0											4.8	4.3	3.9		4.8	4.0	3.5							
40.0												4.0	3.7			3.8	3.3							
42.0													3.6			3.5	3.1							
44.0																	2.9							
θ (°)	70 to 84.5	71 to 84.5	71 to 84.5	72 to 84.5	70 to 84.5	71 to 84.5	71 to 84.5	73 to 84.5	73 to 84.5	73 to 84.5	71 to 84.5	72 to 84.5	73 to 84.5	74 to 84.5	73 to 84.5	73 to 84.5	73 to 84.5	75 to 84.5	76 to 84.5					
Standard hook block																25t					11.3t			
Hook block weight																870kg					440kg			
Standard number of parts of line																2					1			

Note) Counterweight 58t, outrigger extension width 6.8m,
or counterweight 47t, outrigger extension width 8.5m,
or counterweight 47t, outrigger extension width 8.0m

TRA + Full Automatic Luffing Jib

Capacity TFG

TRA + 60.0m boom + 1.6m + full automatic luffing jib

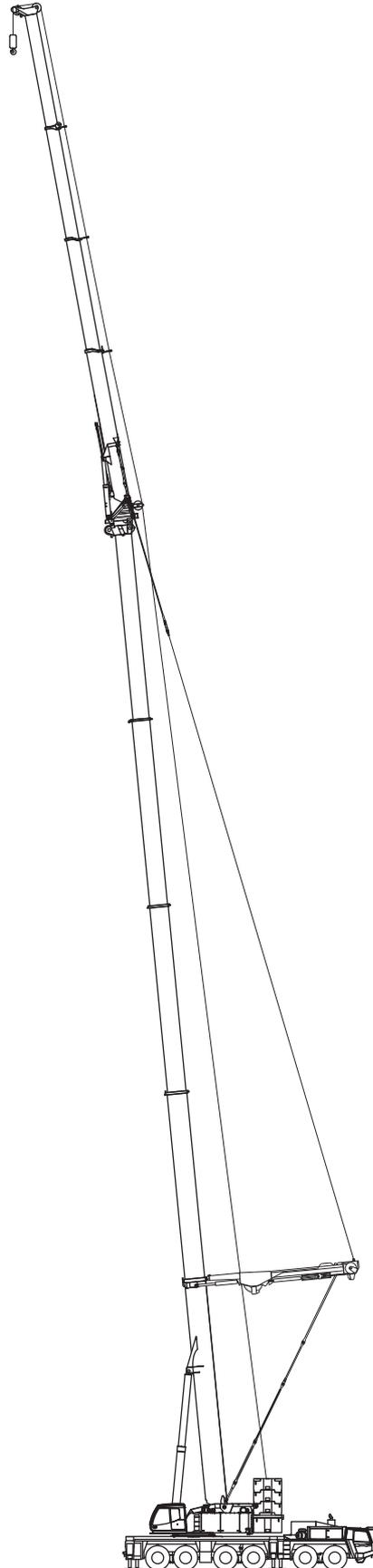
Unit: t

Jib length Load radius (m)	10.3m Offset					17.2m Offset					24.1m Offset				31.0m Offset			
	5°	15°	30°	45°	60°	5°	15°	30°	45°	60°	5°	15°	30°	45°	5°	15°	30°	45°
12.0	11.5																	
14.0	11.4	11.7				8.7												
16.0	11.4	11.7	12.3			8.7												
18.0	11.4	11.6	11.7	10.8		8.7	9.0				6.8							
20.0	11.4	11.6	11.1	10.3	9.6	8.6	8.9				6.8				5.3			
22.0	11.4	11.6	10.6	9.8	9.1	8.6	8.9	8.6			6.8	7.1			5.3			
24.0	10.6	10.6	10.1	9.2	8.7	8.6	8.8	8.1			6.8	7.0			5.3			
26.0		9.7	9.5	8.8	8.3	8.6	8.6	7.6	6.8		6.8	7.0			5.3	5.3		
28.0			8.8	8.3	7.9	7.9	8.0	7.2	6.4	5.9	6.8	7.0	5.9		5.3	5.3		
30.0							7.3	6.8	6.1	5.6	6.8	6.6	5.6		5.3	5.3		
32.0								6.4	5.8	5.4		6.2	5.2	4.6	5.3	5.3		
34.0									5.5	5.1			4.9	4.3		5.0	4.2	
36.0										4.9			4.6	4.1		4.7	3.9	
38.0													3.9				3.7	
40.0																3.4	3.0	
42.0																	2.8	
44.0																	2.6	
θ (°)	73 to 84.5	73 to 84.5	72 to 84.5	73 to 84.5	74 to 84.5	73 to 84.5	73 to 84.5	74 to 84.5	74 to 84.5	73 to 84.5	74 to 84.5	75 to 84.5	75 to 84.5	76 to 84.5	75 to 84.5	76 to 84.5	77 to 84.5	77 to 84.5
Standard hook block	25t					11.3t												
Hook block weight	870kg					440kg												
Standard number of parts of jib	2					1												

Note) Counterweight 58t, outrigger extension width 6.8m,
or counterweight 47t, outrigger extension width 8.5m,
or counterweight 47t, outrigger extension width 8.0m

ALL TERRAIN CRANE **ATF360G-6**

TRA + ICA + Full Automatic Luffing Jib

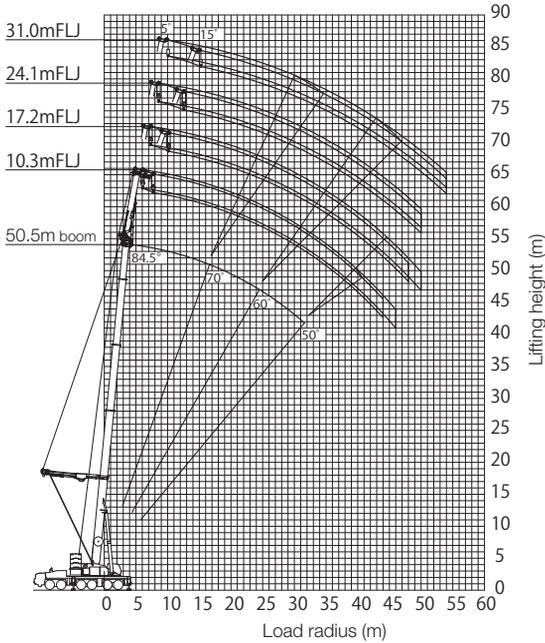


TRA+ICA
+FLJ

TRA + ICA+ Full Automatic Luffing Jib

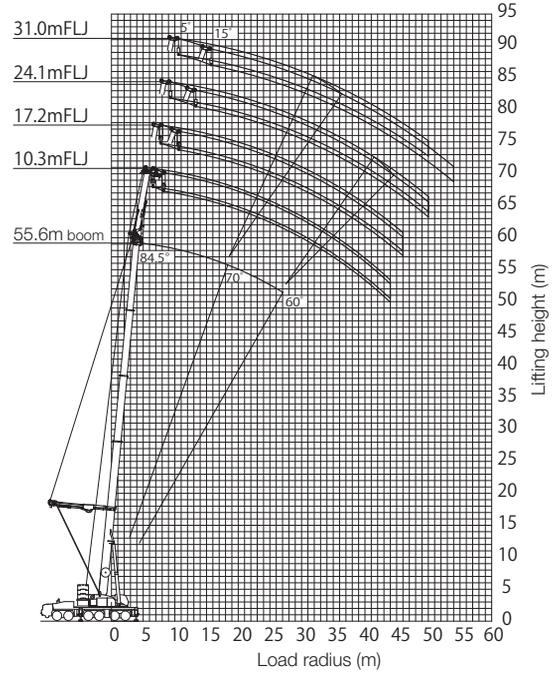
Working range chart for TRA + ICA+ full automatic luffing jib (FLJ)

TRA + ICA + 50.5m boom + 1.6m + full automatic luffing jib



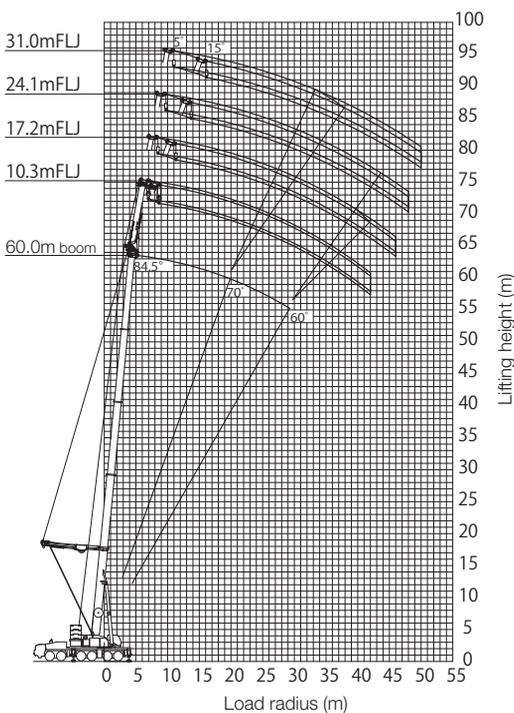
(Note) 1. The above drawing does not consider any boom and jib deflection.
 2. The above drawing shows the maximum load radius for the capacity IFD.

TRA + ICA + 55.6m boom + 1.6m + full automatic luffing jib



(Note) 1. The above drawing does not consider any boom and jib deflection.
 2. The above drawing shows the maximum load radius for the capacity IFD.

TRA + ICA + 60.0m boom + 1.6m + full automatic luffing jib



(Note) 1. The above drawing does not consider any boom and jib deflection.
 2. The above drawing shows the maximum load radius for the capacity IFD.

Rated lifting capacity table for TRA + ICA + full automatic luffing jib (FLJ)

1. Capacity classifications IFD to IFG of the rated lifting capacity table are as follows in the table below.

Outrigger extension width \ Counterweight	118 t	98 t	78 t	58 t	47 t
8.5 m	IFD	IFD	IFE	IFF	IFG
8.0 m	IFD	IFD	IFE	IFF	IFG
6.8 m			IFF	IFG	

2. The rated lifting capacity indicates the values including the mass of lifting devices and hook block (25t hook block: 870kg, 11.3t hook block: 440kg).

3. The rated lifting capacity is based on the actual load radius considering boom deflection.

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

Boom length	50.5 m	55.6 m	60.0 m
Telescopic section 1	90	90	100
Telescopic section 2	90	90	100
Telescopic section 3	90	90	100
Telescopic section 4	45	90	100

5. When the boom length is less than 50.5m, the capacity setting is not made.

Also, when the B-pins (boom fixing pins) are not inserted, operation is not allowed.

6. 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	2	1
Maximum load	22.5t	11.3t

- 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 10m/s or more.
- Values above the thick line in the rated lifting capacity table 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.
- " θ (°)" indicates the boom angle range in which no-load operation is enabled.

TRA + ICA + Full Automatic Luffing Jib

Capacity IFD

TRA + ICA + 50.5m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m		17.2m		24.1m		31.0m	
	Offset		Offset		Offset		Offset	
	5°	15°	5°	15°	5°	15°	5°	15°
10.0	25.0							
11.0	24.1							
12.0	23.1	20.2	16.7					
14.0	21.6	18.9	16.7					
16.0	20.2	17.9	16.7	14.2	14.1			
18.0	19.0	16.9	15.6	13.5	13.2		10.1	
20.0	17.9	16.1	14.7	12.8	12.4	10.6	10.0	
22.0	15.6	14.8	13.9	12.1	11.7	10.0	9.8	
24.0	13.7	12.9	13.1	11.5	11.0	9.5	9.6	8.4
26.0	11.9	11.4	11.8	11.0	10.5	9.1	9.3	8.0
28.0	10.5	10.0	10.4	9.9	9.9	8.6	8.9	7.6
30.0	9.1	8.7	9.2	8.8	9.2	8.1	8.4	7.1
32.0	8.0	7.6	8.1	7.8	8.2	7.7	8.0	6.7
34.0	6.9	6.6	7.2	6.9	7.3	7.0	7.6	6.4
36.0	6.0	5.7	6.3	6.0	6.5	6.3	6.8	6.0
38.0	5.1	4.8	5.5	5.3	5.7	5.6	6.1	5.7
40.0	4.3	4.1	4.8	4.6	5.0	4.9	5.4	5.3
42.0	3.6	3.4	4.1	3.9	4.4	4.3	4.8	4.8
44.0	2.9	2.7	3.5	3.3	3.8	3.8	4.3	4.2
46.0	2.3		2.9	2.8	3.3	3.3	3.8	3.7
48.0			2.4	2.3	2.8	2.8	3.3	3.3
50.0			1.9		2.4	2.3	2.8	2.8
54.0							2.0	2.0
θ (°)	43 to 84.5	48 to 84.5	46 to 84.5	51 to 84.5	52 to 84.5	55 to 84.5	54 to 84.5	58 to 84.5
Standard hook block	25t		25t		11.3t			
Hook block weight	870kg		870kg		440kg			
Standard number of parts of tie	3		2		1			

Note) Counterweight 118t, outrigger extension width 8.5m,
or counterweight 118t, outrigger extension width 8.0m,
or counterweight 98t, outrigger extension width 8.5m,
or counterweight 98t, outrigger extension width 8.0m

Capacity IFD

TRA + ICA + 55.6m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m		17.2m		24.1m		31.0m	
	Offset		Offset		Offset		Offset	
	5°	15°	5°	15°	5°	15°	5°	15°
11.0	18.5							
12.0	18.5							
14.0	18.5	16.9	15.9					
16.0	17.7	15.9	14.8			11.3		
18.0	16.6	15.0	13.9	11.9	11.3		9.0	
20.0	15.7	14.0	13.0	11.1	11.3		9.0	
22.0	14.4	13.2	12.1	10.4	10.8	9.1	9.0	
24.0	12.5	11.8	11.3	9.8	10.1	8.5	8.9	
26.0	10.9	10.3	10.6	9.2	9.4	8.0	8.2	6.9
28.0	9.4	9.0	9.3	8.7	8.8	7.5	7.7	6.5
30.0	8.2	7.8	8.2	7.8	8.2	7.1	7.2	6.1
32.0	7.1	6.7	7.2	6.9	7.5	6.6	6.7	5.7
34.0	6.0	5.8	6.3	6.0	6.6	6.3	6.3	5.3
36.0	5.1	4.9	5.4	5.2	5.9	5.7	5.9	5.0
38.0	4.3	4.1	4.7	4.5	5.1	5.0	5.3	4.7
40.0	3.6	3.4	4.0	3.9	4.5	4.4	4.7	4.5
42.0	2.9	2.7	3.4	3.3	3.9	3.8	4.1	4.1
44.0	2.3	2.1	2.8	2.7	3.3	3.2	3.6	3.6
46.0			2.3	2.2	2.8	2.7	3.1	3.1
48.0					2.3	2.3	2.6	2.7
50.0					1.8	1.8	2.2	2.3
54.0								1.5
θ (°)	51 to 84.5	52 to 84.5	55 to 84.5	57 to 84.5	56 to 84.5	59 to 84.5	61 to 84.5	61 to 84.5
Standard hook block	25t		25t		11.3t			
Hook block weight	870kg		870kg		440kg			
Standard number of parts of tie	2		1		1			

Note) Counterweight 118t, outrigger extension width 8.5m,
or counterweight 118t, outrigger extension width 8.0m,
or counterweight 98t, outrigger extension width 8.5m,
or counterweight 98t, outrigger extension width 8.0m

Capacity IFD

TRA + ICA + 60.0m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m		17.2m		24.1m		31.0m	
	Offset		Offset		Offset		Offset	
	5°	15°	5°	15°	5°	15°	5°	15°
12.0	17.0							
14.0	17.0	15.6	11.0					
16.0	16.3	14.6	11.0					
18.0	15.3	13.6	11.0	11.0	9.5			
20.0	14.4	12.8	11.0	10.7	9.5		8.0	
22.0	13.4	12.1	11.0	10.0	9.5	8.4	8.0	
24.0	11.6	10.9	10.9	9.4	9.3	7.9	8.0	
26.0	10.0	9.5	10.2	8.8	8.7	7.4	7.7	6.4
28.0	8.6	8.2	9.0	8.3	8.1	6.9	7.2	6.0
30.0	7.4	7.0	7.8	7.5	7.6	6.5	6.7	5.6
32.0	6.3	6.0	6.8	6.5	6.9	6.1	6.2	5.3
34.0	5.3	5.1	5.8	5.6	6.0	5.8	5.8	4.9
36.0	4.4	4.2	5.0	4.8	5.3	5.1	5.5	4.6
38.0	3.6	3.4	4.2	4.1	4.5	4.5	4.8	4.4
40.0	2.9	2.7	3.5	3.4	3.9	3.8	4.2	4.1
42.0	2.2	2.1	2.9	2.8	3.3	3.3	3.6	3.6
44.0			2.3	2.2	2.7	2.7	3.1	3.1
46.0			1.8	1.7	2.2	2.2	2.6	2.7
48.0					1.8	1.8	2.1	2.2
50.0							1.7	1.8
θ (°)	56 to 84.5	58 to 84.5	58 to 84.5	60 to 84.5	60 to 84.5	63 to 84.5	63 to 84.5	66 to 84.5
Standard hook block	25t		25t		11.3t			
Hook block weight	870kg		870kg		440kg			
Standard number of parts of tie	2		1		1			

Note) Counterweight 118t, outrigger extension width 8.5m,
or counterweight 118t, outrigger extension width 8.0m,
or counterweight 98t, outrigger extension width 8.5m,
or counterweight 98t, outrigger extension width 8.0m

Capacity IFE

TRA + ICA + 50.5m boom + 1.6m + full automatic luffing jib Unit: t

Jib length Load radius (m)	10.3m		17.2m		24.1m		31.0m	
	Offset		Offset		Offset		Offset	
	5°	15°	5°	15°	5°	15°	5°	15°
10.0	25.0							
11.0	24.1							
12.0	23.1	20.2	16.7					
14.0	21.6	18.9	16.7					
16.0	20.2	17.9	16.7	14.2	14.1			
18.0	19.0	16.9	15.6	13.5	13.2		10.1	
20.0	17.9	16.1	14.7	12.8	12.4	10.6	10.0	
22.0	15.6	14.8	13.9	12.1	11.7	10.0	9.8	
24.0	13.7	12.9	13.1	11.5	11.0	9.5	9.6	8.4
26.0	11.9	11.4	11.8	11.0	10.5	9.1	9.3	8.0
28.0	10.5	10.0	10.4	9.9	9.9	8.6	8.9	7.6
30.0	9.1	8.7	9.2	8.8	9.2	8.1	8.4	7.1
32.0	8.0	7.6	8.1	7.8	8.2	7.7	8.0	6.7
34.0	6.9	6.6	7.2	6.9	7.3	7.0	7.6	6.4
36.0	6.0	5.7	6.3	6.0	6.5	6.3	6.8	6.0
38.0	5.1	4.8	5.5	5.3	5.7	5.6	6.1	5.7
40.0	4.1	4.1	4.8	4.6	5.0	4.9	5.4	5.3
42.0		3.2	4.1	3.9	4.4	4.3	4.8	4.8
44.0			3.5	3.3	3.8	3.8	4.3	4.2
46.0			2.8	2.8	3.3	3.3	3.8	3.7
48.0				2.3	2.8	2.8	3.3	3.3
50.0					2.4	2.3	2.8	2.8
54.0							2.0	2.0
θ (°)	51 to 84.5	50 to 84.5	51 to 84.5	51 to 84.5	52 to 84.5	55 to 84.5	54 to 84.5	58 to 84.5
Standard hook block	25t				25t		11.3t	
Hook block weight	870kg				870kg		440kg	
Standard number of parts of line	3				2		1	

Note) Counterweight 78t, outrigger extension width 8.5m,
or counterweight 78t, outrigger extension width 8.0m

Capacity IFE

TRA + ICA + 55.6m boom + 1.6m + full automatic luffing jib Unit: t

Jib length Load radius (m)	10.3m		17.2m		24.1m		31.0m	
	Offset		Offset		Offset		Offset	
	5°	15°	5°	15°	5°	15°	5°	15°
11.0	18.5							
12.0	18.5							
14.0	18.5	16.9	15.9					
16.0	17.7	15.9	14.8			11.3		
18.0	16.6	15.0	13.9	11.9	11.3		9.0	
20.0	15.7	14.0	13.0	11.1	11.3		9.0	
22.0	14.4	13.2	12.1	10.4	10.8	9.1	9.0	
24.0	12.5	11.8	11.3	9.8	10.1	8.5	8.9	
26.0	10.9	10.3	10.6	9.2	9.4	8.0	8.2	6.9
28.0	9.4	9.0	9.3	8.7	8.8	7.5	7.7	6.5
30.0	8.2	7.8	8.2	7.8	8.2	7.1	7.2	6.1
32.0	7.1	6.7	7.2	6.9	7.5	6.6	6.7	5.7
34.0	6.0	5.8	6.3	6.0	6.6	6.3	6.3	5.3
36.0	5.1	4.9	5.4	5.2	5.9	5.7	5.9	5.0
38.0	4.3	4.1	4.7	4.5	5.1	5.0	5.3	4.7
40.0	3.6	3.4	4.0	3.9	4.5	4.4	4.7	4.5
42.0	2.9	2.7	3.4	3.3	3.9	3.8	4.1	4.1
44.0			2.8	2.7	3.3	3.2	3.6	3.6
46.0			2.3	2.2	2.8	2.7	3.1	3.1
48.0					2.3	2.3	2.6	2.7
50.0					1.8	1.8	2.2	2.3
54.0								1.5
θ (°)	53 to 84.5	54 to 84.5	55 to 84.5	57 to 84.5	56 to 84.5	59 to 84.5	61 to 84.5	61 to 84.5
Standard hook block	25t						11.3t	
Hook block weight	870kg				870kg		440kg	
Standard number of parts of line	2						1	

Note) Counterweight 78t, outrigger extension width 8.5m,
or counterweight 78t, outrigger extension width 8.0m

Capacity IFE

TRA + ICA + 60.0m boom + 1.6m + full automatic luffing jib Unit: t

Jib length Load radius (m)	10.3m		17.2m		24.1m		31.0m	
	Offset		Offset		Offset		Offset	
	5°	15°	5°	15°	5°	15°	5°	15°
12.0	17.0							
14.0	17.0	15.6	11.0					
16.0	16.3	14.6	11.0					
18.0	15.3	13.6	11.0	11.0	9.5			
20.0	14.4	12.8	11.0	10.7	9.5		8.0	
22.0	13.4	12.1	11.0	10.0	9.5	8.4	8.0	
24.0	11.6	10.9	10.9	9.4	9.3	7.9	8.0	
26.0	10.0	9.5	10.2	8.8	8.7	7.4	7.7	6.4
28.0	8.6	8.2	9.0	8.3	8.1	6.9	7.2	6.0
30.0	7.4	7.0	7.8	7.5	7.6	6.5	6.7	5.6
32.0	6.3	6.0	6.8	6.5	6.9	6.1	6.2	5.3
34.0	5.3	5.1	5.8	5.6	6.0	5.8	5.8	4.9
36.0	4.4	4.2	5.0	4.8	5.3	5.1	5.2	4.6
38.0	3.6	3.4	4.2	4.1	4.5	4.5	4.8	4.4
40.0	2.9	2.7	3.5	3.4	3.9	3.8	4.2	4.1
42.0		2.1	2.9	2.8	3.3	3.3	3.6	3.6
44.0			2.3	2.2	2.7	2.7	3.1	3.1
46.0			1.8	1.7	2.2	2.2	2.6	2.7
48.0					1.8	1.8	2.1	2.2
50.0							1.7	1.8
θ (°)	58 to 84.5	58 to 84.5	58 to 84.5	60 to 84.5	60 to 84.5	63 to 84.5	63 to 84.5	66 to 84.5
Standard hook block	25t						11.3t	
Hook block weight	870kg						440kg	
Standard number of parts of line	2						1	

Note) Counterweight 78t, outrigger extension width 8.5m,
or counterweight 78t, outrigger extension width 8.0m

TRA + ICA + Full Automatic Luffing Jib

Capacity IFF

TRA + ICA + 50.5m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset		17.2m Offset		24.1m Offset		31.0m Offset		
	5°	15°	5°	15°	5°	15°	5°	15°	
10.0	25.0								
11.0	24.1								
12.0	23.1	20.2	16.7						
14.0	21.6	18.9	16.7						
16.0	20.2	17.9	16.7	14.2	14.1				
18.0	19.0	16.9	15.6	13.5	13.2		10.1		
20.0	17.9	16.1	14.7	12.8	12.4	10.6	10.0		
22.0	15.6	14.8	13.9	12.1	11.7	10.0	9.8		
24.0	13.7	12.9	13.1	11.5	11.0	9.5	9.6	8.4	
26.0	11.9	11.4	11.8	11.0	10.5	9.1	9.3	8.0	
28.0	10.5	10.0	10.4	9.9	9.9	8.6	8.9	7.6	
30.0	8.8	8.7	9.2	8.8	9.2	8.1	8.4	7.1	
32.0	6.5	7.4	8.1	7.8	8.2	7.7	8.0	6.7	
34.0		5.4	7.2	6.9	7.3	7.0	7.6	6.4	
36.0			5.6	6.0	6.5	6.3	6.8	6.0	
38.0			4.1	5.1	5.7	5.6	6.1	5.7	
40.0					4.6	4.9	5.4	5.3	
42.0						4.3	4.8	4.8	
44.0							4.1	4.2	
46.0								3.7	
48.0								3.3	
θ (°)	61 to 84.5	60 to 84.5	59 to 84.5	62 to 84.5	62 to 84.5	63 to 84.5	63 to 84.5	63 to 84.5	
Standard hook block	25t		25t				11.3t		
Hook block weight	870kg		870kg				440kg		
Standard number of parts of line	3		2				1		

Note) Counterweight 78t, outrigger extension width 6.8m,
or counterweight 58t, outrigger extension width 8.5m,
or counterweight 58t, outrigger extension width 8.0m

Capacity IFF

TRA + ICA + 55.6m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset		17.2m Offset		24.1m Offset		31.0m Offset	
	5°	15°	5°	15°	5°	15°	5°	15°
11.0	18.5							
12.0	18.5							
14.0	18.5	16.9	15.9					
16.0	17.7	15.9	14.8			11.3		
18.0	16.6	15.0	13.9	11.9	11.3		9.0	
20.0	15.7	14.0	13.0	11.1	11.3		9.0	
22.0	14.4	13.2	12.1	10.4	10.8	9.1	9.0	
24.0	12.5	11.8	11.3	9.8	10.1	8.5	8.9	
26.0	10.9	10.3	10.6	9.2	9.4	8.0	8.2	6.9
28.0	9.4	9.0	9.3	8.7	8.8	7.5	7.7	6.5
30.0	8.2	7.8	8.2	7.8	8.2	7.1	7.2	6.1
32.0	7.1	6.7	7.2	6.9	7.5	6.6	6.7	5.7
34.0	5.4	5.8	6.3	6.0	6.6	6.3	6.3	5.3
36.0			5.4	5.2	5.9	5.7	5.9	5.0
38.0				4.5	5.1	5.0	5.3	4.7
40.0					4.5	4.4	4.7	4.5
42.0					3.8	3.8	4.1	4.1
44.0						3.2	3.6	3.6
46.0								3.1
48.0								2.7
θ (°)	62 to 84.5	63 to 84.5	64 to 84.5	64 to 84.5	63 to 84.5	64 to 84.5	65 to 84.5	65 to 84.5
Standard hook block	25t				11.3t			
Hook block weight	870kg				440kg			
Standard number of parts of line	2				1			

Note) Counterweight 78t, outrigger extension width 6.8m,
or counterweight 58t, outrigger extension width 8.5m,
or counterweight 58t, outrigger extension width 8.0m

Capacity IFF

TRA + ICA + 60.0m boom + 1.6m + full automatic luffing jib

Unit: t

Jib length Load radius (m)	10.3m Offset		17.2m Offset		24.1m Offset		31.0m Offset	
	5°	15°	5°	15°	5°	15°	5°	15°
12.0	17.0							
14.0	17.0	15.6	11.0					
16.0	16.3	14.6	11.0					
18.0	15.3	13.6	11.0	11.0	9.5			
20.0	14.4	12.8	11.0	10.7	9.5		8.0	
22.0	13.4	12.1	11.0	10.0	9.5	8.4	8.0	
24.0	11.6	10.9	10.9	9.4	9.3	7.9	8.0	
26.0	10.0	9.5	10.2	8.8	8.7	7.4	7.7	6.4
28.0	8.6	8.2	9.0	8.3	8.1	6.9	7.2	6.0
30.0	7.4	7.0	7.8	7.5	7.6	6.5	6.7	5.6
32.0	6.3	6.0	6.8	6.5	6.9	6.1	6.2	5.3
34.0		5.1	5.8	5.6	6.0	5.8	5.8	4.9
36.0			5.0	4.8	5.3	5.1	5.2	4.6
38.0				4.1	4.5	4.5	4.8	4.4
40.0					3.9	3.8	4.2	4.1
42.0						3.3	3.6	3.6
44.0								3.1
46.0								2.7
θ (°)	66 to 84.5	65 to 84.5	67 to 84.5	67 to 84.5	67 to 84.5	68 to 84.5	68 to 84.5	69 to 84.5
Standard hook block	25t		11.3t					
Hook block weight	870kg		440kg					
Standard number of parts of line	2		1					

Note) Counterweight 78t, outrigger extension width 6.8m,
or counterweight 58t, outrigger extension width 8.5m,
or counterweight 58t, outrigger extension width 8.0m

Capacity IFG

TRA + ICA + 50.5m boom + 1.6m + full automatic luffing jib Unit: t

Jib length Load radius (m)	10.3m		17.2m		24.1m		31.0m	
	Offset		Offset		Offset		オフセット	
	5°	15°	5°	15°	5°	15°	5°	15°
10.0	25.0							
11.0	24.1							
12.0	23.1	20.2	16.7					
14.0	21.6	18.9	16.7					
16.0	20.2	17.9	16.7	14.2	14.1			
18.0	19.0	16.9	15.6	13.5	13.2		10.1	
20.0	17.9	16.1	14.7	12.8	12.4	10.6	10.0	
22.0	15.6	14.8	13.9	12.1	11.7	10.0	9.8	
24.0	13.5	12.9	13.1	11.5	11.0	9.5	9.6	8.4
26.0	10.4	11.4	11.8	11.0	10.5	9.1	9.3	8.0
28.0	7.7	8.7	10.4	9.9	9.9	8.6	8.9	7.6
30.0		6.4	8.2	8.8	9.2	8.1	8.4	7.1
32.0			6.2	7.6	8.1	7.7	8.0	6.7
34.0				5.7	6.4	7.0	7.6	6.4
36.0						6.3	6.7	6.0
38.0						4.9	5.3	5.7
40.0							4.1	5.3
42.0								4.5
$\theta (^{\circ})$	65 to 84.5	64 to 84.5	65 to 84.5	66 to 84.5	67 to 84.5	67 to 84.5	66 to 84.5	68 to 84.5
Standard hook block	25t		25t		11.3t			
Hook block weight	870kg		870kg		440kg			
Standard number of parts of line	3		2		1			

Note) Counterweight 58t, outrigger extension width 6.8m,
or counterweight 47t, outrigger extension width 8.5m,
or counterweight 47t, outrigger extension width 8.0m

Capacity IFG

TRA + ICA + 55.6m boom + 1.6m + full automatic luffing jib Unit: t

Jib length Load radius (m)	10.3m		17.2m		24.1m		31.0m	
	Offset		Offset		Offset		Offset	
	5°	15°	5°	15°	5°	15°	5°	15°
11.0	18.5							
12.0	18.5							
14.0	18.5	16.9	15.9					
16.0	17.7	15.9	14.8			11.3		
18.0	16.6	15.0	13.9	11.9	11.3		9.0	
20.0	15.7	14.0	13.0	11.1	11.3		9.0	
22.0	14.4	13.2	12.1	10.4	10.8	9.1	9.0	
24.0	12.5	11.8	11.3	9.8	10.1	8.5	8.9	
26.0	10.9	10.3	10.6	9.2	9.4	8.0	8.2	6.9
28.0	8.5	9.0	9.3	8.7	8.8	7.5	7.7	6.5
30.0	6.2	7.1	8.2	7.8	8.2	7.1	7.2	6.1
32.0			6.5	6.9	7.5	6.6	6.7	5.7
34.0				6.0	6.6	6.3	6.3	5.3
36.0					5.3	5.7	5.9	5.0
38.0						5.0	5.3	4.7
40.0								4.5
42.0								4.1
$\theta (^{\circ})$	66 to 84.5	67 to 84.5	68 to 84.5	68 to 84.5	68 to 84.5	69 to 84.5	70 to 84.5	70 to 84.5
Standard hook block	25t		11.3t					
Hook block weight	870kg		440kg					
Standard number of parts of line	2		1					

Note) Counterweight 58t, outrigger extension width 6.8m,
or counterweight 47t, outrigger extension width 8.5m,
or counterweight 47t, outrigger extension width 8.0m

Capacity IFG

TRA + ICA + 60.0m boom + 1.6m + full automatic luffing jib Unit: t

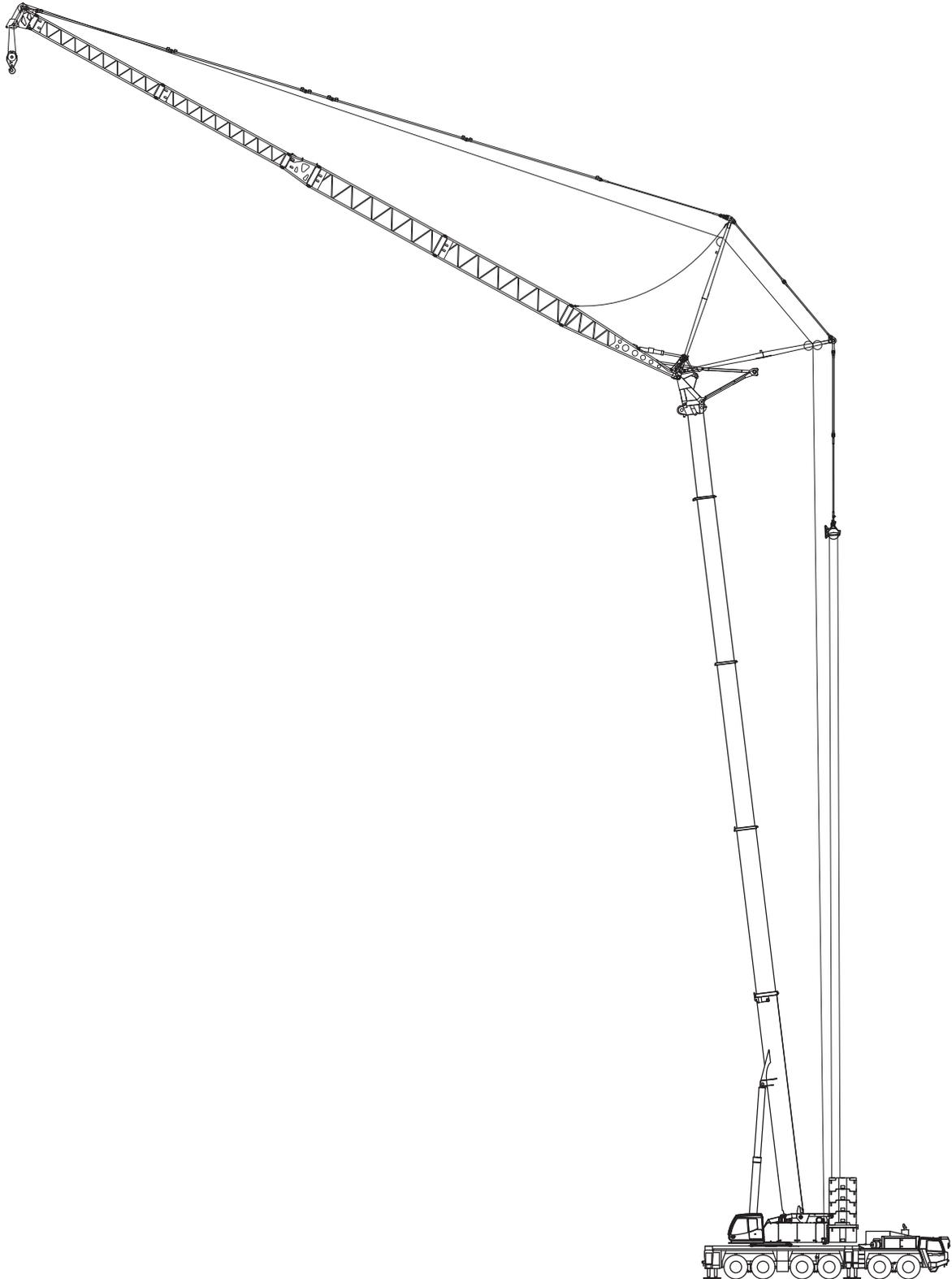
Jib length Load radius (m)	10.3m		17.2m		24.1m		31.0m	
	Offset		Offset		Offset		Offset	
	5°	15°	5°	15°	5°	15°	5°	15°
12.0	17.0							
14.0	17.0	15.6	11.0					
16.0	16.3	14.6	11.0					
18.0	15.3	13.6	11.0	11.0	9.5			
20.0	14.4	12.8	11.0	10.7	9.5		8.0	
22.0	13.4	12.1	11.0	10.0	9.5	8.4	8.0	
24.0	11.6	10.9	10.9	9.4	9.3	7.9	8.0	
26.0	10.0	9.5	10.2	8.8	8.7	7.4	7.7	6.4
28.0	8.4	8.2	9.0	8.3	8.1	6.9	7.2	6.0
30.0		7.0	7.8	7.5	7.6	6.5	6.7	5.6
32.0			6.6	6.5	6.9	6.1	6.2	5.3
34.0				5.6	6.0	5.8	5.8	4.9
36.0						5.1	5.5	4.6
38.0								4.4
40.0								4.1
$\theta (^{\circ})$	69 to 84.5	69 to 84.5	70 to 84.5	70 to 84.5	71 to 84.5	72 to 84.5	72 to 84.5	73 to 84.5
Standard hook block	25t		11.3t					
Hook block weight	870kg		440kg					
Standard number of parts of line	2		1					

Note) Counterweight 58t, outrigger extension width 6.8m,
or counterweight 47t, outrigger extension width 8.5m,
or counterweight 47t, outrigger extension width 8.0m

ALL TERRAIN CRANE

ATF360G-6

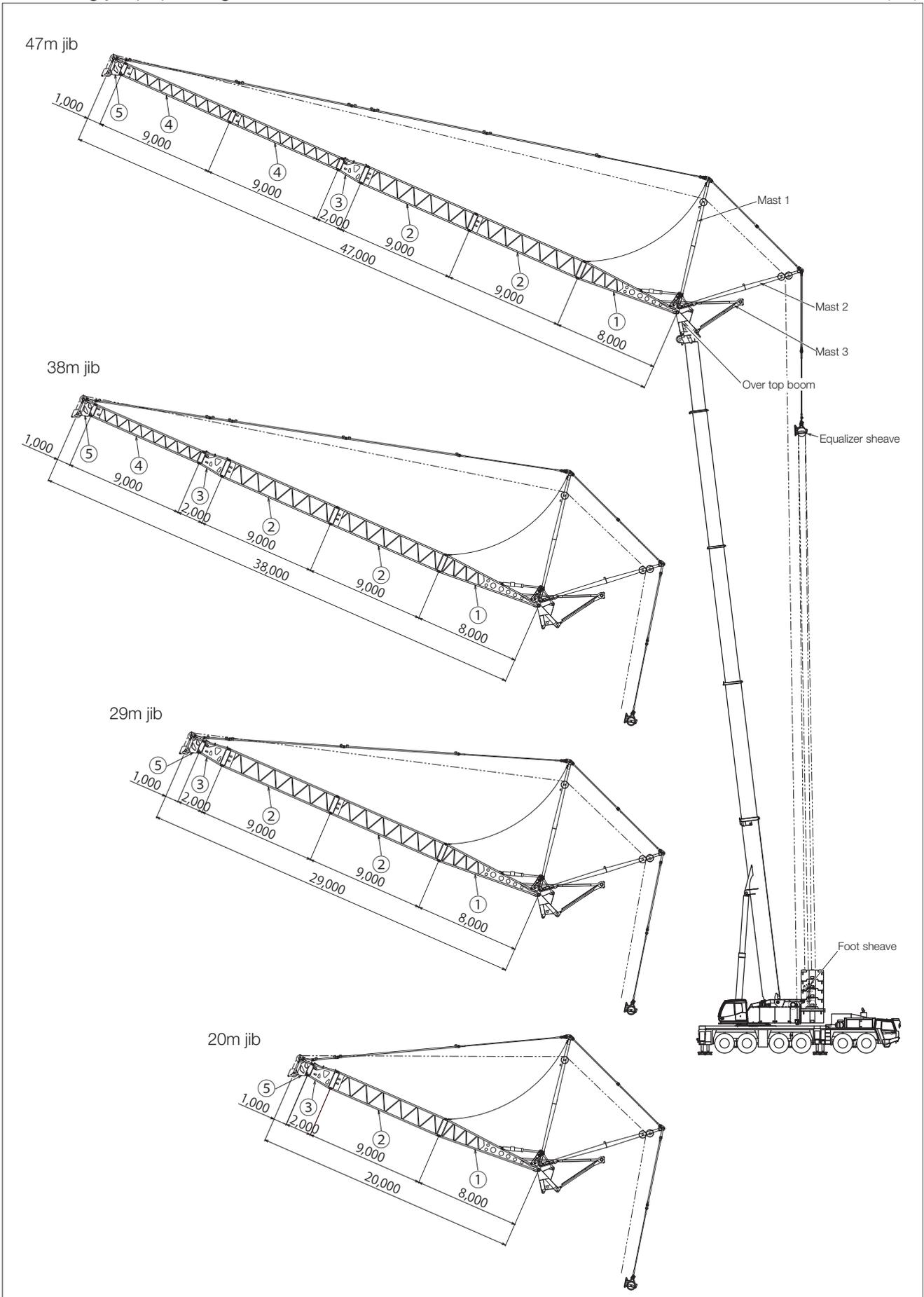
Luffing Jib



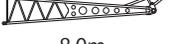
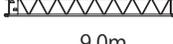
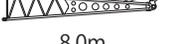
Luffing Jib

■ Luffing jib (LJ) configuration

Unit (mm)



■ Combination of luffing jib (LJ) length

20m jib	 1.0m ⑤	 2.0m ③	 9.0m ②	 8.0m ①			
29m jib	 1.0m ⑤	 2.0m ③	 9.0m ②	 9.0m ②	 8.0m ①		
38m jib	 1.0m ⑤	 9.0m ④	 2.0m ③	 9.0m ②	 9.0m ②	 8.0m ①	
47m jib	 1.0m ⑤	 9.0m ④	 9.0m ④	 2.0m ③	 9.0m ②	 9.0m ②	 8.0m ①

Observe the above combinations for jibs. Any other combinations are prohibited.

■ Mass of each part

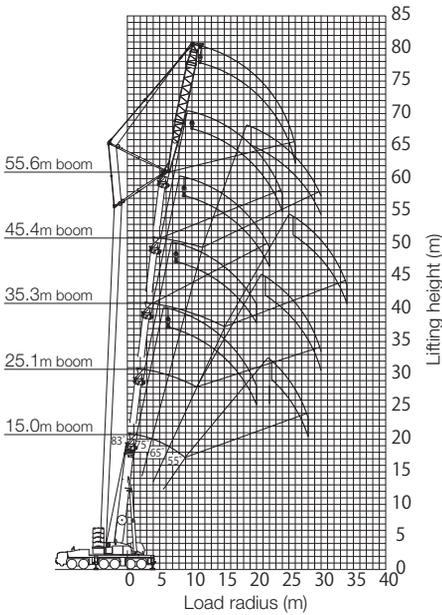
Symbol	Name	Mass
-	Mast 1 + Mast 2	4.5 t
①	Base jib (Mast 3 + Overtop boom)	5.5 t
②	Middle 1 jig	1.7 t
③	Reducer jib	0.7 t
④	Middle 2 jib	1.5 t
⑤	Top jib	1.0 t
-	Equalizer sheave	0.5 t
-	Foot sheave	1.0 t



Luffing Jib

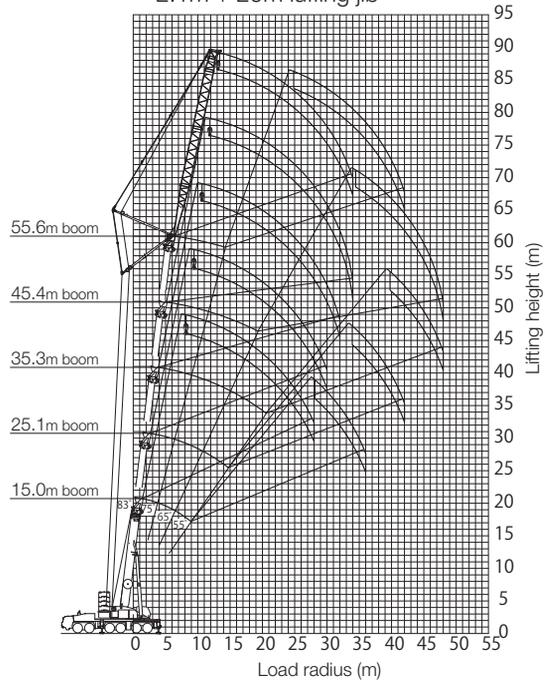
Working range chart for luffing jib (LJ)

2.1m + 20m luffing jib



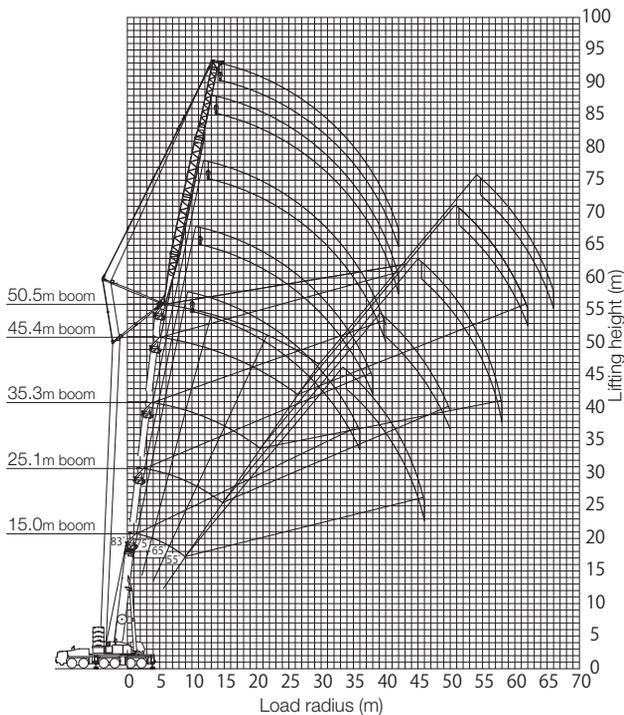
- (Note) 1. The above drawing does not consider any boom and jib deflection.
 2. The above drawing shows the maximum load radius for the capacity LB.
 3. The working range chart for the 20.1m, 30.2m, 40.4m, and 50.5m booms is not shown.

2.1m + 29m luffing jib



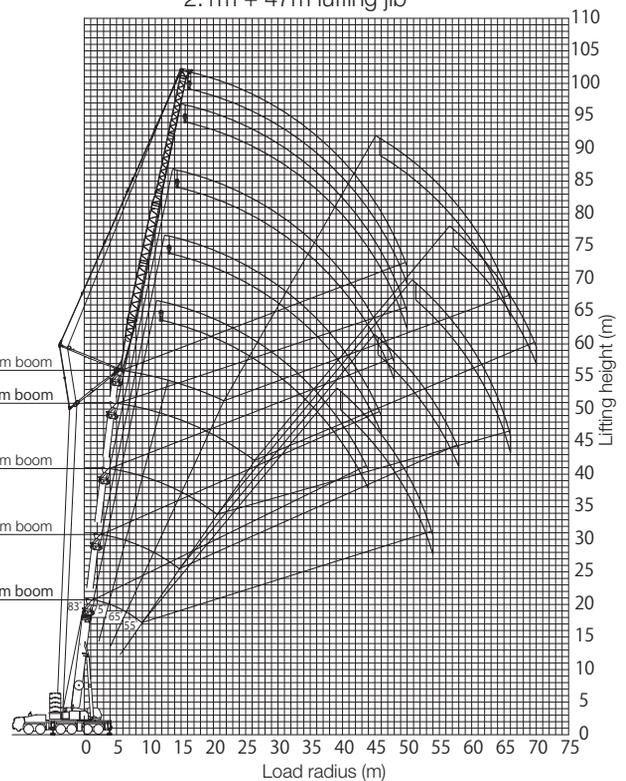
- (Note) 1. The above drawing does not consider any boom and jib deflection.
 2. The above drawing shows the maximum load radius for the capacity LA.
 3. The working range chart for the 20.1m, 30.2m, 40.4m, and 50.5m booms is not shown.

2.1m + 38m luffing jib



- (Note) 1. The above drawing does not consider any boom and jib deflection.
 2. The above drawing shows the maximum load radius for the capacity LA.
 3. The working range chart for the 20.1m, 30.2m, and 40.4m booms is not shown.

2.1m + 47m luffing jib



- (Note) 1. The above drawing does not consider any boom and jib deflection.
 2. The above drawing shows the maximum load radius for the capacity LA.
 3. The working range chart for the 20.1m, 30.2m, and 40.4m booms is not shown.



Rated lifting capacity table for luffing jib (LJ)

1. Capacity classifications LA to LG of the rated lifting capacity table are as follows in the table below.

Counterweight	138 t	118 t	98 t	78 t	58 t	47 t
Outrigger extension width 8.5 m	LA	LB	LD	LE	LF	LG
8.0 m	/	LC	LD	LE	LF	LG
6.8 m	/	/	/	LF	LG	/

2. The rated lifting capacity indicates the values including the mass of lifting devices and hook block (80t hook block: 1,270kg, 25t hook block: 870kg).

3. The rated lifting capacity is based on the actual load radius considering boom deflection.

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

Boom length	15.0 m	20.1 m	25.1 m	30.2 m	35.3 m	40.4 m	45.4 m	50.5 m	55.6 m
Telescopic section 1	0	0	45	90	90	90	90	90	90
Telescopic section 2	0	45	45	45	90	90	90	90	90
Telescopic section 3	0	0	0	0	0	45	90	90	90
Telescopic section 4	0	0	0	0	0	0	0	45	90

5. When the number of parts of line used is less than the standard one specified in the rated lifting capacity table:

- The lower limit of the number of parts of line is as follows in the table below.

Jib length	20m	29m	38m	47m
Minimum number of parts of line	3	2		

- The upper limit of the maximum load is as follows in the table below.

Number of parts of line	5	4	3	2
Maximum load	54.7t	44.2t	33.5t	22.5t

6. When the B-pins (boom fixing pins) are not inserted, operation is not allowed.

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

8. 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 10m/s or more.

9. Values above the thick line in the rated lifting capacity table 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.

10. "θ (°)" indicates the jib offset angle range in which no-load operation is enabled.



Luffing Jib

Capacity LA 2.1m + 20m luffing jib

Unit: t

Boom length	15.0m			20.1m		25.1m		30.2m			35.3m			40.4m		45.4m		50.5m		55.6m
Boom elevating angle Load radius (m)	75°	65°	55°	75°	65°	75°	65°	83°	75°	65°	83°	75°	65°	83°	75°	83°	75°	83°	75°	83°
12.0								38.8												
14.0	64.0							38.8			34.6									
16.0	64.0			53.0				38.8			34.6			29.2						
18.0	62.0			53.0			38.8	38.8			34.6			29.2		18.8		11.9		
20.0	56.0	56.2		52.9			38.8	37.5	38.8		34.6			29.2		18.8		11.9		7.5
22.0	51.0	51.0		48.5	47.2		38.2	37.0	38.8		34.6	34.6		29.2		18.8		11.9		7.5
24.0		46.6	45.0	44.8	43.6	37.2	38.8		37.7			33.3		29.2	29.2	18.8		11.9		7.5
26.0		42.8	41.4		40.4	37.2	38.5		35.1			30.9			27.2		18.8			7.5
28.0			38.3		37.5			36.1			28.8		28.8			25.4		18.8		11.9
30.0								33.7			26.9			23.5		23.7		18.8		11.9
32.0											25.2				22.0					11.9
34.0														20.6						
θ (°)	5 to 52	5 to 58	5 to 40	5 to 56	5 to 51	5 to 60	5 to 46	5 to 57	5 to 46	5 to 42	5 to 50	5 to 47	5 to 38	5 to 56	5 to 49	5 to 48	5 to 38	5 to 42	5 to 38	5 to 45
Standard hook block	80t			80t		80t			80t			80t		80t		25t				
Hook block weight	1270kg			1270kg		1270kg			1270kg			1270kg		870kg						
Standard number of parts of wire	6			5		4			4			3		3						

Note) Counterweight 138t, outrigger extension width 8.5m

Capacity LA 2.1m + 29m luffing jib

Unit: t

Boom length	15.0m				20.1m				25.1m				30.2m				35.3m				40.4m			45.4m			50.5m			55.6m			
Boom elevating angle Load radius (m)	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	83°	75°	65°	83°	75°	65°	83°	75°		
10.0	47.0																																
11.0	47.0				39.5																												
12.0	47.0				39.5					27.5																							
14.0	47.0				39.5					27.5			27.5																				
16.0	47.0	47.0			39.5					27.5			27.5			24.7																	
18.0	47.0	47.0			39.5	39.5				27.5			27.5			24.7				20.3													
20.0	47.0	47.0			39.5	39.5				27.5	27.5			27.5			24.7			20.3			13.4			7.7							
22.0	46.7	47.0			39.5	39.5				26.4	27.5			26.7	27.5			24.7			20.3			13.4			7.7				4.7		
24.0	41.9	45.9	45.9		39.5	39.5				25.4	27.3			25.6	27.5			24.7	24.7		20.3			13.4			7.7				4.7		
26.0	37.8	42.3	42.2		39.5	39.5	39.5			24.6	26.2			24.7	26.9			24.7	24.7		20.3			13.4			7.7				4.7		
28.0	32.3	38.5	39.0		35.6	37.8	37.1			23.8	25.3			24.0	25.8			24.1	24.7		20.3	20.3		13.4			7.7				4.7		
30.0		35.1	36.2	34.8		35.2	34.7			22.8	24.4	26.5		23.1	24.9			23.2	24.7		20.3	20.3		13.4	13.4		7.7				4.7		
32.0		29.4	33.8	32.5		32.9	32.5			23.6	25.5			24.1	24.9			22.4	24.5		20.3	20.3		13.4	13.4		7.7	7.7			4.7		
34.0			31.6	30.4		30.4	28.8			22.7	24.6			23.2	23.3			23.4			20.3			13.4	13.4		7.7	7.7			4.7		
36.0				28.5		28.5	27.0			23.8				22.5	21.9			22.1	19.0		19.1			13.4			7.7				4.7		
38.0							25.2			22.9	23.3			20.6				17.9			18.1	15.9		13.4			7.7				4.7		
40.0							23.6					21.8			19.5	17.4			16.8				14.9		13.4			7.7				4.7	
42.0											20.5					16.4			15.9				14.0			12.3						4.7	
44.0																15.5				12.8			13.3			11.8			7.7				
46.0																14.6				12.1			12.6			11.2			7.7				
48.0																				11.4				10.6			10.6			7.7			
50.0																														7.7			
θ (°)	5 to 60	5 to 65	5 to 48	5 to 35	5 to 56	5 to 53	5 to 46	5 to 42	5 to 61	5 to 55	5 to 43	5 to 34	5 to 56	5 to 57	5 to 40	5 to 38	5 to 61	5 to 47	5 to 38	5 to 30	5 to 55	5 to 48	5 to 45	5 to 59	5 to 49	5 to 41	5 to 53	5 to 41	5 to 38	5 to 48	5 to 41		
Standard hook block	80t				25t			25t																									
Hook block weight	1270kg				870kg			870kg																									
Standard number of parts of wire	5				4				3				3				3			2													

Note) Counterweight 138t, outrigger extension width 8.5m



Capacity LA 2.1m + 38m luffing jib

Unit: t

Boom length	15.0m				20.1m				25.1m				30.2m				35.3m				40.4m				45.4m				50.5m							
Boom elevating angle Load radius (m)	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°
12.0	35.0																																			
14.0	35.0				29.5			18.7																												
16.0	35.0				29.5			18.7				18.5																								
18.0	35.0				29.5			18.7				18.5				16.9																				
20.0	35.0	35.0			29.5			18.7				18.5				16.9				13.4																
22.0	35.0	35.0			29.5	29.5		18.7				18.5				16.9				13.4				9.0												
24.0	35.0	35.0			29.5	29.5		18.7	18.7			18.5				16.9				13.4				9.0							5.2					
26.0	35.0	35.0			29.5	29.5		18.7	18.7			18.5	18.5			16.9				13.4				9.0							5.2					
28.0	35.0	35.0	35.0		29.5	29.5		18.7	18.7			18.5	18.5			16.9	16.9			13.4				9.0							5.2					
30.0	32.5	35.0	35.0		29.5	29.5	29.5		18.1	18.7			18.2	18.5			16.9	16.9			13.4	13.4			9.0						5.2					
32.0	30.0	33.0	33.3		29.5	29.5	29.5		17.1	18.6			17.4	18.5			16.9	16.9			13.4	13.4			9.0	9.0					5.2					
34.0	27.2	30.3	31.1		28.4	29.5	29.5		16.3	17.9	18.7		16.5	18.3			16.7	16.9			13.4	13.4			9.0	9.0					5.2					
36.0	24.0	28.0	29.2	28.0	25.9	28.2	27.8		15.6	17.0	18.7		15.8	17.6	18.5			15.9	16.9			13.4	13.4			9.0	9.0				5.2	5.2				
38.0		26.0	27.5	26.3		26.6	26.2		15.0	16.2	18.1		15.1	16.7	18.5			15.2	16.9			13.4	13.4			9.0	9.0				5.2	5.2				
40.0		22.7	25.9	24.7		25.1	24.7	23.0		15.5	17.2			15.9	18.1			14.7	16.4	16.6		13.4	13.4			9.0	9.0				5.2	5.2				
42.0			24.4	23.2		22.3	23.2	21.6		14.9	16.4	18.1		15.2	17.2			15.6	15.6			13.4	13.4			9.0	9.0				5.2	5.2				
44.0			22.0	21.9			21.8	20.4			15.6	17.2		14.7	16.4			15.0	14.7			13.4	13.0			9.0					5.2					
46.0				20.6			20.5	19.2			15.0	16.4			15.6	14.4		14.5	13.9			13.4	12.3			9.0	9.0				5.2					
48.0								18.1			14.6	15.7			15.0	13.6			13.2			13.4	11.6			9.0	9.0				5.2					
50.0												15.0			14.6	12.9			12.5	10.4				11.0			9.0				5.2	5.2				
54.0																11.6				9.3					9.9	7.7						5.2				
58.0																				8.4						6.9						5.2				
62.0																																			3.9	
66.0																																			3.3	
θ (°)	5 to 59	5 to 59	5 to 60	5 to 44	5 to 56	5 to 62	5 to 56	5 to 37	5 to 60	5 to 53	5 to 52	5 to 32	5 to 56	5 to 54	5 to 48	5 to 35	5 to 59	5 to 55	5 to 37	5 to 38	5 to 55	5 to 56	5 to 42	5 to 25	5 to 57	5 to 48	5 to 33	5 to 27	5 to 53	5 to 48	5 to 37	5 to 28				
Standard hook block	80t				80t												25t																			
Hook block weight	1270kg				1270kg												870kg																			
Standard number of parts of line	4				3												2																			

Note) Counterweight 138t, outrigger extension width 8.5m

Capacity LA 2.1m + 47m luffing jib

Unit: t

Boom length	15.0m				20.1m				25.1m				30.2m				35.3m				40.4m				45.4m				50.5m							
Boom elevating angle Load radius (m)	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°
14.0	26.0																																			
16.0	26.0				22.4			12.9																												
18.0	26.0				22.4			12.9				12.3																								
20.0	26.0				22.4			12.9				12.3				11.2																				
22.0	26.0	26.0			22.4			12.9				12.3				11.2				9.0																
24.0	24.9	26.0			22.4	22.4		12.9				12.3				11.2				9.0				6.2												
26.0	23.5	25.2			22.4	22.4		12.9	12.9			12.3				11.2				9.0				6.2							3.6					
28.0	22.2	23.7			22.4	22.4		12.9	12.9			12.3	12.3			11.2				9.0				6.2							3.6					
30.0	21.1	22.4			21.4	22.4		12.9	12.9			12.3	12.3			11.2				9.0				6.2							3.6					
32.0	20.1	21.2	22.9		20.4	22.0		12.9	12.9			12.3	12.3			11.2	11.2			9.0				6.2							3.6					
34.0	19.2	20.2	21.6		19.4	20.9		12.9	12.9			12.3	12.3			11.2	11.2			9.0	9.0			6.2							3.6					
36.0	18.4	19.3	20.6		18.6	19.9	21.7		12.5	12.9			12.3	12.3			11.2	11.2			9.0	9.0			6.2	6.2					3.6					
38.0	17.7	18.5	19.6		17.9	19.0	20.6		11.9	12.9	12.9		12.0	12.3			11.2	11.2			9.0	9.0			6.2	6.2				3.6	3.6					
40.0	17.0	17.8	18.8		17.2	18.2	19.7		11.3	12.4	12.9		11.4	12.3			11.2	11.2			9.0	9.0			6.2	6.2				3.6	3.6					
42.0	16.5	17.1	18.0	18.9	16.7	17.5	18.8		10.7	11.8	12.9		10.8	12.1	12.3			11.0	11.2			9.0	9.0			6.2	6.2				3.6	3.6				
44.0	16.1	16.6	17.3	18.2	16.2	16.9	18.1	19.3	10.2	11.2	12.5		10.3	11.5	12.3			10.4	11.2	11.2			9.0	9.0			6.2	6.2				3.6	3.6			
46.0		16.1	16.8	17.5		16.4	17.4	18.5	9.8	10.7	11.9		9.9	11.0	12.3			10.0	11.2	11.2			9.0	9.0			6.2	6.2				3.6	3.6			
48.0			15.9	16.3	16.9		16.0	16.8	17.6		10.2	11.3	12.6		10.4	11.9			9.6	10.7	11.2			9.0	9.0	9.0		6.2	6.2				3.6	3.6		
50.0				15.9	16.4		15.8	16.3	16.6		9.8	10.8	11.9		10.0	11.3			10.2	11.2			9.0	9.0	9.0		6.2	6.2	6.2				3.6	3.6		
54.0					15.8			15.8	14.9			9.9	10.8		9.3	10.3	11.3			9.4	10.8			9.0	9.0			6.2	6.2				3.6	3.6		
58.0								13.5					9.9			9.5	10.2			9.8	8.0				8.4			6.2	6.2				3.6	3.6		
62.0																	9.2																		3.6	
66.0																					6.4														3.5	
70.0																																				
θ (°)	5 to 58	5 to 56	5 to 43	5 to 40	5 to 56	5 to 58	5 to 50	5 to 45	5 to 59	5 to 52	5 to 41	5 to 31	5 to 56	5 to 62	5 to 46	5 to 34	5 to 58	5 to 53	5 to 37	5 to 35	5 to 60	5 to 47	5 to 41	5 to 38	5 to 57	5 to 54	5 to 46	5 to 27	5 to 53	5 to 47	5 to 37					
Standard hook block	80t																25t																			
Hook block weight	1270kg																870kg																			
Standard number of parts of line	3																2																			

Note) Counterweight 138t, outrigger extension width 8.5m

Luffing Jib

Capacity LB 2.1m + 20m luffing jib

Unit: t

Boom length	15.0m				20.1m				25.1m				30.2m				35.3m				40.4m				45.4m				50.5m				55.6m			
Boom elevating angle	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°
Load radius (m)																																				
8.0	64.0																																			
9.0	64.0				53.0																															
10.0	64.0				53.0																															
11.0	64.0				53.0			38.8																												
12.0	64.0				53.0			38.8				38.8																								
14.0	64.0	64.0			53.0			38.8				38.8			34.6																					
16.0	64.0	64.0			53.0	53.0		38.8				38.8			34.6			29.2																		
18.0	58.5	61.6			53.0	53.0		38.4	38.8			38.8			34.6			29.2			18.8			11.9												
20.0	47.5	55.4	53.5		53.0	52.9		37.3	38.8			37.5	38.8		34.6			29.2			18.8			11.9			7.5									
22.0		50.3	48.6			48.5	46.8		38.2			37.0	38.8		34.6	34.6		29.2			18.8			11.9			7.5									
24.0			44.4	42.5		44.8	42.4		37.2	38.8		37.7			33.3		29.2	29.2		18.8			11.9			7.5										
26.0			40.1	38.4			38.4		37.2	36.3		35.1			30.9			27.2		18.8					7.5											
28.0				35.0			34.9					33.0			28.8			28.8			25.4			18.8			11.9									
30.0															26.9			23.5			23.7			18.8			11.9									
32.0															25.2			22.0								11.9										
34.0																	20.6																			
θ (°)	5 to 62	5 to 52	5 to 58	5 to 40	5 to 56	5 to 56	5 to 51	5 to 50	5 to 60	5 to 46	5 to 57	5 to 46	5 to 42	5 to 50	5 to 47	5 to 38	5 to 56	5 to 49	5 to 48	5 to 38	5 to 42	5 to 38	5 to 45													
Standard hook block	80t				25t																															
Hook block weight	1270kg				870kg																															
Standard number of parts of wire	6				5				4				3				3																			

Note) Counterweight 118t, outrigger extension width 8.5m

Capacity LB 2.1m + 29m luffing jib

Unit: t

Boom length	15.0m				20.1m				25.1m				30.2m				35.3m				40.4m				45.4m				50.5m				55.6m					
Boom elevating angle	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°		
Load radius (m)																																						
10.0	47.0																																					
11.0	47.0				39.5																																	
12.0	47.0				39.5			27.5																														
14.0	47.0				39.5			27.5				27.5																										
16.0	47.0	47.0			39.5			27.5				27.5				24.7																						
18.0	47.0	47.0			39.5	39.5		27.5				27.5				24.7			20.3																			
20.0	47.0	47.0			39.5	39.5		27.5	27.5			27.5				24.7			20.3			13.4			7.7													
22.0	46.7	47.0			39.5	39.5		26.4	27.5			26.7	27.5			24.7			20.3			13.4			7.7													
24.0	41.9	45.3	43.6		39.5	39.5		25.4	27.3			25.6	27.5			24.7	24.7		20.3			13.4			7.7													
26.0	37.8	41.1	39.6		39.5	39.5	37.7		24.6	26.2			24.7	26.9			24.7	24.7		20.3			13.4			7.7												
28.0	32.3	37.5	36.1		35.6	36.5	34.4		23.8	25.3			24.0	25.8			24.1	24.7		20.3	20.3		13.4			7.7												
30.0		34.4	33.1	31.5		33.4	31.5		22.8	24.4	26.5		23.1	24.9			23.2	24.7		20.3	20.3		13.4	13.4		7.7												
32.0		29.4	30.5	29.0		30.9	29.0			23.6	25.5			24.1	24.9		22.4	24.5		20.3	20.3		13.4	13.4		7.7	7.7											
34.0			28.2	26.9		26.9	25.0			22.7	24.6			23.2	23.3			23.4			20.3		13.4	13.4		7.7	7.7											
36.0				25.0		25.0	23.3				23.5			22.5	21.7			22.1	19.0			19.1			13.4			7.7										
38.0							21.7				21.9	19.8							17.9			18.1	15.9		13.4			7.7										
40.0							20.3					18.5			18.8	16.4			16.8			14.9		13.4			7.7											
42.0												17.3				15.4				15.9			14.0			12.3												
44.0																14.4						12.8		13.3			11.8						7.7					
46.0																	13.5						12.1		12.6			11.2						7.7				
48.0																							11.4			10.6									7.7			
50.0																																						
θ (°)	5 to 60	5 to 65	5 to 48	5 to 35	5 to 56	5 to 53	5 to 46	5 to 42	5 to 61	5 to 55	5 to 43	5 to 34	5 to 56	5 to 57	5 to 40	5 to 38	5 to 61	5 to 47	5 to 38	5 to 30	5 to 55	5 to 48	5 to 45	5 to 59	5 to 49	5 to 41	5 to 53	5 to 41	5 to 38	5 to 48	5 to 41							
Standard hook block	80t				25t				25t																													
Hook block weight	1270kg				870kg				870kg																													
Standard number of parts of wire	5				4				3				3				2																					

Note) Counterweight 118t, outrigger extension width 8.5m



Capacity LB 2.1m + 38m luffing jib

Unit: t

Boom length	15.0m				20.1m				25.1m				30.2m				35.3m				40.4m				45.4m				50.5m							
Boom elevating angle Load radius (m)	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°
12.0	35.0																																			
14.0	35.0				29.5			18.7																												
16.0	35.0				29.5			18.7				18.5																								
18.0	35.0				29.5			18.7				18.5				16.9																				
20.0	35.0	35.0			29.5			18.7				18.5				16.9				13.4																
22.0	35.0	35.0			29.5	29.5		18.7				18.5				16.9				13.4				9.0												
24.0	35.0	35.0			29.5	29.5		18.7	18.7			18.5				16.9				13.4				9.0								5.2				
26.0	35.0	35.0			29.5	29.5		18.7	18.7			18.5	18.5			16.9				13.4				9.0								5.2				
28.0	35.0	35.0	35.0		29.5	29.5		18.7	18.7			18.5	18.5			16.9	16.9			13.4				9.0								5.2				
30.0	32.5	34.1	32.7		29.5	29.5	29.5		18.1	18.7			18.2	18.5			16.9	16.9			13.4	13.4			9.0							5.2				
32.0	30.0	31.4	30.1		29.5	29.5	28.5		17.1	18.6			17.4	18.5			16.9	16.9			13.4	13.4			9.0	9.0						5.2				
34.0	27.2	29.1	27.9		28.4	28.2	26.4		16.3	17.9	18.7		16.5	18.3			16.7	16.9			13.4	13.4			9.0	9.0						5.2				
36.0	24.0	27.1	25.9	24.5	25.9	26.2	24.5		15.6	17.0	18.7		15.8	17.6	18.5			15.9	16.9			13.4	13.4			9.0	9.0					5.2	5.2			
38.0		25.3	24.2	22.9		24.4	22.8		15.0	16.2	18.1		15.1	16.7	18.5			15.2	16.9			13.4	13.4			9.0	9.0					5.2	5.2			
40.0		22.7	22.6	21.4		22.9	21.4	19.7		15.5	17.2			15.9	18.1			14.7	16.4	16.6		13.4	13.4			9.0	9.0					5.2	5.2			
42.0			21.2	20.1		21.7	20.0	18.5		14.9	16.4	16.8		15.2	17.1			15.6	15.6			13.4	13.4			9.0	9.0					5.2	5.2			
44.0			19.9	18.9			18.8	17.4			15.6	15.7		14.7	16.1			15.0	14.7			13.4	13.0			9.0						5.2				
46.0				17.8			17.7	16.4			15.0	14.8		15.1	12.9		14.5	13.9			13.4	12.3			9.0	9.0						5.2				
48.0							15.4			14.6	13.9			14.2	12.1			13.1			13.4	11.6			9.0	9.0						5.2				
50.0											13.1			13.4	11.4			12.3	10.1					11.0			9.0					5.2	5.2			
54.0															10.2				8.9					9.9	7.7			8.5					5.2			
58.0																			7.8										5.4					5.2		
62.0																													4.6						3.6	
66.0																																			3.0	
θ (°)	5 to 59	5 to 59	5 to 60	5 to 44	5 to 56	5 to 62	5 to 56	5 to 37	5 to 60	5 to 53	5 to 52	5 to 32	5 to 56	5 to 54	5 to 48	5 to 35	5 to 59	5 to 55	5 to 37	5 to 38	5 to 55	5 to 56	5 to 42	5 to 25	5 to 57	5 to 48	5 to 33	5 to 27	5 to 53	5 to 48	5 to 37	5 to 28				
Standard hook block	80t				80t												25t																			
Hook block weight	1270kg				1270kg												870kg																			
Standard number of parts of line	4				3												2																			

Note) Counterweight 118t, outrigger extension width 8.5m

Capacity LB 2.1m + 47m luffing jib

Unit: t

Boom length	15.0m				20.1m				25.1m				30.2m				35.3m				40.4m				45.4m				50.5m								
Boom elevating angle Load radius (m)	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	
14.0	26.0																																				
16.0	26.0				22.4			12.9																													
18.0	26.0				22.4			12.9				12.3																									
20.0	26.0				22.4			12.9				12.3					11.2																				
22.0	26.0	26.0			22.4			12.9				12.3					11.2				9.0																
24.0	24.9	26.0			22.4	22.4		12.9				12.3					11.2				9.0				6.2												
26.0	23.5	25.2			22.4	22.4		12.9	12.9			12.3					11.2				9.0				6.2								3.6				
28.0	22.2	23.7			22.4	22.4		12.9	12.9			12.3	12.3				11.2				9.0				6.2								3.6				
30.0	21.1	22.4			21.4	22.4		12.9	12.9			12.3	12.3				11.2				9.0				6.2								3.6				
32.0	20.1	21.2	22.9		20.4	22.0		12.9	12.9			12.3	12.3				11.2	11.2			9.0				6.2								3.6				
34.0	19.2	20.2	21.6		19.4	20.9		12.9	12.9			12.3	12.3				11.2	11.2			9.0	9.0			6.2								3.6				
36.0	18.4	19.3	20.6		18.6	19.9	21.7		12.5	12.9			12.3	12.3				11.2	11.2			9.0	9.0			6.2	6.2						3.6				
38.0	17.7	18.5	19.6		17.9	19.0	20.6		11.9	12.9	12.9		12.0	12.3				11.2	11.2			9.0	9.0			6.2	6.2					3.6	3.6				
40.0	17.0	17.8	18.8		17.2	18.2	19.7		11.3	12.4	12.9		11.4	12.3				11.2	11.2			9.0	9.0			6.2	6.2					3.6	3.6				
42.0	16.5	17.1	18.0	18.9	16.7	17.5	18.8		10.7	11.8	12.9		10.8	12.1	12.3			11.0	11.2			9.0	9.0			6.2	6.2					3.6	3.6				
44.0	16.1	16.6	17.3	18.2	16.2	16.9	18.1	16.8	10.2	11.2	12.5		10.3	11.5	12.3			10.4	11.2	11.2		9.0	9.0			6.2	6.2					3.6	3.6				
46.0		16.1	16.8	17.3		16.4	17.2	15.8	9.8	10.7	11.9		9.9	11.0	12.3			10.0	11.2	11.2		9.0	9.0			6.2	6.2					3.6	3.6				
48.0		15.9	16.3	16.3		16.0	16.3	14.9		10.2	11.3	12.6		10.4	11.9			9.6	10.7	11.2		9.0	9.0	9.0		6.2	6.2					3.6	3.6				
50.0		15.9	15.4		15.8	15.4	14.0		9.8	10.8	11.9		10.0	11.3				10.2	11.2			9.0	9.0	9.0		6.2	6.2	6.2				3.6	3.6				
54.0			13.8			13.7	12.5			9.9	10.8		9.3	10.3	9.6			9.4	10.4			9.0	9.0			6.2	6.2					3.6	3.6				
58.0						11.3					9.9			9.5	8.6			9.3	7.0			8.4				6.2	6.2					3.6	3.6				
62.0															7.6				6.1		7.4	4.8				6.2							3.6				
66.0																			5.3				4.1				5.6	3.0						3.5			
70.0																								3.5				2.4									
θ (°)	5 to 58	5 to 56	5 to 43	5 to 40	5 to 56	5 to 58	5 to 50	5 to 45	5 to 59	5 to 52	5 to 41	5 to 31	5 to 56	5 to 62	5 to 46	5 to 34	5 to 58	5 to 53	5 to 37	5 to 35	5 to 60	5 to 47	5 to 41	5 to 38	5 to 57	5 to 54	5 to 46	5 to 27	5 to 53	5 to 47	5 to 37						
Standard hook block	80t																25t																				
Hook block weight	1270kg																870kg																				

Luffing Jib

Capacity LC 2.1m + 20m luffing jib

Unit: t

Boom length	15.0m				20.1m				25.1m				30.2m				35.3m				40.4m				45.4m				50.5m				55.6m				
Boom elevating angle Load radius (m)	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	
8.0	64.0																																				
9.0	64.0				53.0																																
10.0	64.0				53.0																																
11.0	64.0				53.0			38.8																													
12.0	64.0				53.0			38.8				38.8																									
14.0	64.0	64.0			53.0			38.8				38.8				34.6																					
16.0	64.0	64.0			53.0	53.0		38.8				38.8				34.6			29.2																		
18.0	58.5	60.5			53.0	53.0		38.4	38.8			38.8				34.6			29.2			18.8		11.9													
20.0	47.5	54.4	52.5		53.0	52.9		37.3	38.8			37.5	38.8			34.6			29.2			18.8		11.9		7.5											
22.0		49.3	47.6			48.2	45.8		38.2			37.0	38.8			34.6	34.6		29.2			18.8		11.9		7.5											
24.0			43.5	41.8		44.2	41.8		37.2	38.8		37.7			33.3			29.2	29.2		18.8		11.9		7.5												
26.0			39.9	38.4			38.4		37.2	36.3		35.1			30.9				27.2			18.8			7.5												
28.0				35.0			34.9					33.0			28.8				25.4			18.8			11.9												
30.0															26.9				23.7			18.8			11.9												
32.0															25.2				22.0						11.9												
34.0																			20.6																		
θ (°)	5 to 62	5 to 52	5 to 58	5 to 40	5 to 56	5 to 56	5 to 51	5 to 50	5 to 60	5 to 46	5 to 57	5 to 46	5 to 42	5 to 50	5 to 47	5 to 38	5 to 56	5 to 49	5 to 48	5 to 38	5 to 42	5 to 38	5 to 45														
Standard hook block	80t				25t																																
Hook block weight	1270kg				870kg																																
Standard number of parts of wire	6				5				4				3				3																				

Note) Counterweight 118t, outrigger extension width 8.0m

Capacity LC 2.1m + 29m luffing jib

Unit: t

Boom length	15.0m				20.1m				25.1m				30.2m				35.3m				40.4m				45.4m				50.5m				55.6m							
Boom elevating angle Load radius (m)	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°				
10.0	47.0																																							
11.0	47.0				39.5																																			
12.0	47.0				39.5			27.5																																
14.0	47.0				39.5			27.5				27.5																												
16.0	47.0	47.0			39.5			27.5				27.5				24.7																								
18.0	47.0	47.0			39.5	39.5		27.5				27.5				24.7			20.3																					
20.0	47.0	47.0			39.5	39.5		27.5	27.5			27.5				24.7			20.3			13.4		7.7																
22.0	46.7	47.0			39.5	39.5		26.4	27.5			26.7	27.5			24.7			20.3			13.4		7.7																
24.0	41.9	44.4	42.7		39.5	39.5		25.4	27.3			25.6	27.5			24.7	24.7		20.3			13.4		7.7																
26.0	37.8	40.8	39.2		39.5	39.5	37.6		24.6	26.2			24.7	26.9			24.7	24.7		20.3			13.4		7.7															
28.0	32.3	37.5	36.1		35.6	36.5	34.4		23.8	25.3			24.0	25.8			24.1	24.7		20.3	20.3		13.4		7.7															
30.0		34.4	33.1	31.5		33.4	31.5		22.8	24.4	26.5		23.1	24.9			23.2	24.7		20.3	20.3		13.4	13.4	7.7															
32.0		29.4	30.5	29.0		30.9	29.0			23.6	25.5			24.1	24.9			22.4	24.5		20.3	20.3		13.4	13.4	7.7	7.7													
34.0			28.2	26.9		26.9	25.0			22.7	24.6			23.2	23.3			23.4			20.3			13.4	13.4	7.7	7.7													
36.0				25.0		25.0	23.3				23.5			22.5	21.7			22.1	19.0			19.1			13.4			7.7												
38.0							21.7				21.9	19.8							17.9			18.1	15.9		13.4			7.7												
40.0							20.3					18.5			18.8	16.4			16.8				14.9		13.4			7.7												
42.0												17.3				15.4				15.9				14.0			12.3													
44.0																14.4							12.8			13.3										7.7				
46.0																							12.1			12.6											7.7			
48.0																								11.4			10.6											7.7		
50.0																																								
θ (°)	5 to 60	5 to 65	5 to 48	5 to 35	5 to 56	5 to 53	5 to 46	5 to 42	5 to 61	5 to 55	5 to 43	5 to 34	5 to 56	5 to 57	5 to 40	5 to 38	5 to 61	5 to 47	5 to 38	5 to 30	5 to 55	5 to 48	5 to 45	5 to 59	5 to 49	5 to 41	5 to 53	5 to 41	5 to 38	5 to 48	5 to 41	5 to 48	5 to 41	5 to 48	5 to 41					
Standard hook block	80t				25t				25t																															
Hook block weight	1270kg				870kg				870kg																															
Standard number of parts of wire	5				4				3				3				2																							

Note) Counterweight 118t, outrigger extension width 8.0m



Capacity LC 2.1m + 38m luffing jib

Unit: t

Boom length	15.0m				20.1m				25.1m				30.2m				35.3m				40.4m				45.4m				50.5m							
Boom elevating angle	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°
Load radius (m)																																				
12.0	35.0																																			
14.0	35.0				29.5			18.7																												
16.0	35.0				29.5			18.7				18.5																								
18.0	35.0				29.5			18.7				18.5				16.9																				
20.0	35.0	35.0			29.5			18.7				18.5				16.9				13.4																
22.0	35.0	35.0			29.5	29.5		18.7				18.5				16.9				13.4				9.0												
24.0	35.0	35.0			29.5	29.5		18.7	18.7			18.5				16.9				13.4				9.0								5.2				
26.0	35.0	35.0			29.5	29.5		18.7	18.7			18.5	18.5			16.9				13.4				9.0								5.2				
28.0	35.0	35.0	35.0		29.5	29.5		18.7	18.7			18.5	18.5			16.9	16.9			13.4				9.0								5.2				
30.0	32.5	34.1	32.7		29.5	29.5	29.5		18.1	18.7			18.2	18.5			16.9	16.9			13.4	13.4			9.0							5.2				
32.0	30.0	31.4	30.1		29.5	29.5	28.5		17.1	18.6			17.4	18.5			16.9	16.9			13.4	13.4			9.0	9.0						5.2				
34.0	27.2	29.1	27.9		28.4	28.2	26.4		16.3	17.9	18.7		16.5	18.3			16.7	16.9			13.4	13.4			9.0	9.0						5.2				
36.0	24.0	27.1	25.9	24.5	25.9	26.2	24.5		15.6	17.0	18.7		15.8	17.6	18.5			15.9	16.9			13.4	13.4			9.0	9.0					5.2	5.2			
38.0		25.3	24.2	22.9		24.4	22.8		15.0	16.2	18.1		15.1	16.7	18.5			15.2	16.9			13.4	13.4			9.0	9.0					5.2	5.2			
40.0		22.7	22.6	21.4		22.9	21.4	19.7		15.5	17.2			15.9	18.1			14.7	16.4	16.6		13.4	13.4			9.0	9.0					5.2	5.2			
42.0			21.2	20.1		21.7	20.0	18.5		14.9	16.4	16.8		15.2	17.1			15.6	15.6			13.4	13.4			9.0	9.0					5.2	5.2			
44.0			19.9	18.9			18.8	17.4			15.6	15.7		14.7	16.1			15.0	14.7			13.4	13.0			9.0						5.2				
46.0				17.8			17.7	16.4			15.0	14.8			15.1	12.9		14.5	13.9			13.4	12.3			9.0	9.0					5.2				
48.0							15.4			14.6	13.9			14.2	12.1			13.1				13.4	11.6			9.0	9.0					5.2				
50.0											13.1			13.4	11.4			12.3	9.7						11.0			9.0				5.2	5.2			
54.0															10.1				8.5						9.9	7.3			8.5				5.2			
58.0																			7.4						6.3							5.0		5.2		
62.0																															4.3				3.2	
66.0																																			2.6	
θ (°)	5 to 59	5 to 59	5 to 60	5 to 44	5 to 56	5 to 62	5 to 56	5 to 37	5 to 60	5 to 53	5 to 52	5 to 32	5 to 56	5 to 54	5 to 48	5 to 35	5 to 59	5 to 55	5 to 37	5 to 38	5 to 55	5 to 56	5 to 42	5 to 25	5 to 57	5 to 48	5 to 33	5 to 27	5 to 53	5 to 48	5 to 37	5 to 28				
Standard hook block	80t				80t												25t																			
Hook block weight	1270kg				1270kg												870kg																			
Standard number of parts of line	4				3												2																			

Note) Counterweight 118t, outrigger extension width 8.0m

Capacity LC 2.1m + 47m luffing jib

Unit: t

Boom length	15.0m				20.1m				25.1m				30.2m				35.3m				40.4m				45.4m				50.5m							
Boom elevating angle	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	
Load radius (m)																																				
14.0	26.0																																			
16.0	26.0				22.4			12.9																												
18.0	26.0				22.4			12.9				12.3																								
20.0	26.0				22.4			12.9				12.3					11.2																			
22.0	26.0	26.0			22.4			12.9				12.3					11.2				9.0															
24.0	24.9	26.0			22.4	22.4		12.9				12.3					11.2				9.0				6.2											
26.0	23.5	25.2			22.4	22.4		12.9	12.9			12.3					11.2				9.0				6.2								3.6			
28.0	22.2	23.7			22.4	22.4		12.9	12.9			12.3	12.3				11.2				9.0				6.2								3.6			
30.0	21.1	22.4			21.4	22.4		12.9	12.9			12.3	12.3				11.2				9.0				6.2								3.6			
32.0	20.1	21.2	22.9		20.4	22.0		12.9	12.9			12.3	12.3				11.2	11.2			9.0				6.2								3.6			
34.0	19.2	20.2	21.6		19.4	20.9		12.9	12.9			12.3	12.3				11.2	11.2			9.0	9.0			6.2								3.6			
36.0	18.4	19.3	20.6		18.6	19.9	21.7		12.5	12.9			12.3	12.3			11.2	11.2			9.0	9.0			6.2	6.2							3.6			
38.0	17.7	18.5	19.6		17.9	19.0	20.6		11.9	12.9	12.9		12.0	12.3			11.2	11.2			9.0	9.0			6.2	6.2						3.6	3.6			
40.0	17.0	17.8	18.8		17.2	18.2	19.7		11.3	12.4	12.9		11.4	12.3			11.2	11.2			9.0	9.0			6.2	6.2						3.6	3.6			
42.0	16.5	17.1	18.0	18.9	16.7	17.5	18.8		10.7	11.8	12.9		10.8	12.1	12.3		11.0	11.2			9.0	9.0			6.2	6.2						3.6	3.6			
44.0	16.1	16.6	17.3	18.2	16.2	16.9	18.1	16.8	10.2	11.2	12.5		10.3	11.5	12.3		10.4	11.2	11.2		9.0	9.0			6.2	6.2						3.6	3.6			
46.0		16.1	16.8	17.3		16.4	17.2	15.8	9.8	10.7	11.9		9.9	11.0	12.3		10.0	11.2	11.2		9.0	9.0			6.2	6.2						3.6	3.6			
48.0			15.9	16.3	16.3		16.0	16.3	14.9		10.2	11.3	12.6		10.4	11.9		9.6	10.7	11.2		9.0	9.0	9.0		6.2	6.2					3.6	3.6			
50.0				15.9	15.4		15.8	15.4	14.0		9.8	10.8	11.9		10.0	11.3		10.2	11.2			9.0	9.0	9.0		6.2	6.2	6.2					3.6	3.6		
54.0					13.8			13.7	12.5			9.9	10.8		9.3	10.3	9.4		9.4	10.4			9.0	9.0			6.2	6.2					3.6	3.6		
58.0								11.3					9.9			9.5	8.3			9.2	6.7			8.1			6.2	6.2					3.6	3.6		
62.0																				7.3				5.8		7.1	4.5			6.1				3.6		
66.0																								5.0				3.8				5.3	2.7		3.5	
70.0																																				
θ (°)	5 to 58	5 to 56	5 to 43	5 to 40	5 to 56	5 to 58	5 to 50	5 to 45	5 to 59	5 to 52	5 to 41	5 to 31	5 to 56	5 to 62	5 to 46	5 to 34	5 to 58	5 to 53	5 to 37	5 to 35	5 to 60	5 to 47	5 to 41	5 to 38	5 to 57	5 to 54	5 to 46	5 to 27	5 to 53	5 to 47	5 to 37					
Standard hook block	80t																25t																			
Hook block weight	1270kg																																			

Luffing Jib

Capacity LD 2.1m + 20m luffing jib

Unit: t

Boom length	15.0m				20.1m				25.1m				30.2m				35.3m				40.4m				45.4m				50.5m				55.6m			
Boom elevating angle	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°
Load radius (m)																																				
8.0	64.0																																			
9.0	64.0							53.0																												
10.0	64.0							53.0																												
11.0	64.0							53.0				38.8																								
12.0	64.0							53.0				38.8				38.8																				
14.0	64.0	64.0						53.0				38.8				38.8																				
16.0	64.0	64.0						53.0	53.0			38.8				38.8																				
18.0	58.5	57.4						53.0	53.0			38.4	38.8			38.8																				
20.0	47.5	50.5	48.5					51.4	49.0			37.3	38.8			37.5	38.8																		7.5	
22.0		44.7	43.0					43.4	40.8			38.2			37.0	38.8																			7.5	
24.0			38.5	36.6				39.3	36.6			37.2	34.2			36.1																			7.5	
26.0			34.7	33.1				33.0				34.1	30.9			32.6																			7.5	
28.0				30.1				30.0					28.1				25.9																		11.9	
30.0													25.7					23.7																	11.9	
32.0																	21.7																		11.9	
34.0																																				
θ (°)	5 to 62	5 to 52	5 to 58	5 to 40	5 to 56	5 to 56	5 to 51	5 to 50	5 to 60	5 to 46	5 to 57	5 to 46	5 to 42	5 to 50	5 to 47	5 to 38	5 to 56	5 to 49	5 to 48	5 to 38	5 to 42	5 to 38	5 to 45	5 to 45	5 to 38	5 to 45	5 to 45	5 to 38	5 to 45	5 to 45	5 to 38	5 to 45	5 to 45	5 to 45		
Standard hook block	80t				25t																															
Hook block weight	1270kg				870kg																															
Standard number of parts of line	6				5				4				3				3																			

Note) Counterweight 98t, outrigger extension width 8.5m, or counterweight 98t, outrigger extension width 8.0m

Capacity LD 2.1m + 29m luffing jib

Unit: t

Boom length	15.0m				20.1m				25.1m				30.2m				35.3m				40.4m				45.4m				50.5m				55.6m							
Boom elevating angle	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°				
Load radius (m)																																								
10.0	47.0																																							
11.0	47.0							39.5																																
12.0	47.0							39.5				27.5																												
14.0	47.0							39.5				27.5				27.5																								
16.0	47.0	47.0						39.5				27.5				27.5																								
18.0	47.0	47.0						39.5	39.5			27.5				27.5																								
20.0	47.0	47.0						39.5	39.5			27.5	27.5			27.5																								
22.0	45.5	44.2						39.5	39.5			26.4	27.5			26.7	27.5																							
24.0	40.9	39.6	37.9					39.5	38.4			25.4	27.3			25.6	27.5																							
26.0	37.1	35.8	34.2					36.5	34.7	32.4		24.6	26.2			24.7	26.9																							
28.0	32.3	32.6	31.2					33.3	31.6	29.4		23.8	25.3			24.0	25.8																							
30.0		29.8	28.5	26.9				28.9	26.9			22.8	24.4	25.1			23.1	24.9																						
32.0		27.5	26.3	24.8				26.6	24.8			23.6	23.1			24.1	21.0																							
34.0			24.2	22.9				22.9	21.1			22.7	21.3			22.5	19.3																							
36.0				21.2				21.2	19.5				19.7			20.8	17.9																							
38.0								18.1				18.3	16.2			16.6																								
40.0												15.1				15.4	13.0																							
42.0													14.1				12.1																							
44.0																	11.2																							
46.0																		10.4																						
48.0																																								
50.0																																								
θ (°)	5 to 60	5 to 65	5 to 48	5 to 35	5 to 56	5 to 53	5 to 46	5 to 42	5 to 61	5 to 55	5 to 43	5 to 34	5 to 56	5 to 57	5 to 40	5 to 38	5 to 61	5 to 47	5 to 38	5 to 30	5 to 55	5 to 48	5 to 45	5 to 59	5 to 49	5 to 41	5 to 53	5 to 41	5 to 38	5 to 48	5 to 41	5 to 48	5 to 41							
Standard hook block	80t				25t				25t																															
Hook block weight	1270kg				870kg				870kg																															
Standard number of parts of line	5				4				3				3				3				2																			

Note) Counterweight 98t, outrigger extension width 8.5m, or counterweight 98t, outrigger extension width 8.0m



Capacity LD 2.1m + 38m luffing jib

Unit: t

Boom length	15.0m				20.1m				25.1m				30.2m				35.3m				40.4m				45.4m				50.5m							
Boom elevating angle Load radius (m)	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°
12.0	35.0																																			
14.0	35.0				29.5			18.7																												
16.0	35.0				29.5			18.7				18.5																								
18.0	35.0				29.5			18.7				18.5				16.9																				
20.0	35.0	35.0			29.5			18.7				18.5				16.9				13.4																
22.0	35.0	35.0			29.5	29.5		18.7				18.5				16.9				13.4				9.0												
24.0	35.0	35.0			29.5	29.5		18.7	18.7			18.5				16.9				13.4				9.0								5.2				
26.0	35.0	35.0			29.5	29.5		18.7	18.7			18.5	18.5			16.9				13.4				9.0								5.2				
28.0	33.3	32.3	30.7		29.5	29.5		18.7	18.7			18.5	18.5			16.9	16.9			13.4				9.0								5.2				
30.0	30.6	29.5	28.1		29.5	28.5	26.4		18.1	18.7			18.2	18.5			16.9	16.9			13.4	13.4			9.0							5.2				
32.0	28.2	27.2	25.9		27.7	26.2	24.3		17.1	18.6			17.4	18.5			16.9	16.9			13.4	13.4			9.0	9.0						5.2				
34.0	26.1	25.1	23.9		25.6	24.2	22.4		16.3	17.9	18.7		16.5	18.3			16.7	16.9			13.4	13.4			9.0	9.0						5.2				
36.0	24.0	23.3	22.2	20.8	23.7	22.4	20.7		15.6	17.0	18.7		15.8	17.6	17.3			15.9	16.9			13.4	13.4			9.0	9.0				5.2	5.2				
38.0		21.6	20.6	19.3		20.8	19.3		15.0	16.2	17.8		15.1	16.7	16.0			15.2	16.9			13.4	13.4			9.0	9.0				5.2	5.2				
40.0		20.2	19.2	18.0		19.4	18.0	16.3		15.5	16.6			15.9	14.9			14.7	16.4	13.5		13.4	13.4			9.0	9.0				5.2	5.2				
42.0			18.0	16.8		18.4	16.8	15.3		14.9	15.5	13.5		15.2	13.9			15.6	12.6			13.4	11.4			9.0	9.0				5.2	5.2				
44.0			16.8	15.8		15.7	14.3			14.5	12.6		14.7	13.0			14.6	11.7			13.4	10.6			9.0						5.2					
46.0				14.8		14.7	13.4			13.6	11.8			12.1	9.7		13.7	10.9			13.1	9.8			9.0	8.4					5.2					
48.0							12.6			12.7	11.1			11.4	9.0			10.2			12.3	9.1			9.0	7.8					5.2					
50.0											10.4			10.7	8.4			9.5	6.6			8.5				7.2					5.2	5.2				
54.0															7.2					5.7			7.3	4.4			6.2					5.2				
58.0																				4.8				3.7									4.4			
θ (°)	5 to 59	5 to 59	5 to 60	5 to 44	5 to 56	5 to 62	5 to 56	5 to 37	5 to 60	5 to 53	5 to 52	5 to 32	5 to 56	5 to 54	5 to 48	5 to 35	5 to 59	5 to 55	5 to 37	5 to 38	5 to 55	5 to 56	5 to 42	5 to 25	5 to 57	5 to 48	5 to 33	5 to 53	5 to 48	5 to 37	5 to 48	5 to 37				
Standard hook block	80t				80t												25t																			
Hook block weight	1270kg				1270kg												870kg																			
Standard number of parts of line	4				3												2																			

Note) Counterweight 98t, outrigger extension width 8.5m,
or counterweight 98t, outrigger extension width 8.0m

Capacity LD 2.1m + 47m luffing jib

Unit: t

Boom length	15.0m				20.1m				25.1m				30.2m				35.3m				40.4m				45.4m				50.5m									
Boom elevating angle Load radius (m)	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°		
14.0	26.0																																					
16.0	26.0				22.4			12.9																														
18.0	26.0				22.4			12.9				12.3																										
20.0	26.0				22.4			12.9				12.3																										
22.0	26.0	26.0			22.4			12.9				12.3												9.0														
24.0	24.9	26.0			22.4	22.4		12.9				12.3												9.0														
26.0	23.5	25.2			22.4	22.4		12.9	12.9			12.3												9.0														
28.0	22.2	23.7			22.4	22.4		12.9	12.9			12.3	12.3											9.0														
30.0	21.1	22.4			21.4	22.4		12.9	12.9			12.3	12.3											9.0														
32.0	20.1	21.2	22.9		20.4	22.0		12.9	12.9			12.3	12.3											9.0														
34.0	19.2	20.2	21.6		19.4	20.9		12.9	12.9			12.3	12.3											9.0	9.0													
36.0	18.4	19.3	20.6		18.6	19.9	20.2		12.5	12.9			12.3	12.3										9.0	9.0													
38.0	17.7	18.5	19.6		17.9	19.0	18.8		11.9	12.9	12.9		12.0	12.3										9.0	9.0													
40.0	17.0	17.8	18.8		17.2	18.2	17.5		11.3	12.4	12.9		11.4	12.3										9.0	9.0													
42.0	16.5	17.1	17.5	16.3	16.7	17.5	16.3		10.7	11.8	12.9		10.8	12.1	12.3									9.0	9.0													
44.0	16.1	16.6	16.4	15.3	16.2	16.7	15.3	13.7	10.2	11.2	12.5		10.3	11.5	12.3									9.0	9.0													
46.0		16.1	15.4	14.3		15.6	14.3	12.9	9.8	10.7	11.9		9.9	11.0	11.7									9.0	9.0													
48.0			15.4	14.5	13.5		14.7	13.4	12.1		10.2	11.3	10.5		10.4	10.9								9.0	9.0													
50.0				13.7	12.7		14.1	12.6	11.3		9.8	10.8	9.8		10.0	10.2								9.0	9.0													
54.0					11.3		11.2	10.1			9.9	8.5		9.3	8.9	6.5								9.0	6.4													
58.0								8.9				7.4			7.8	5.6								6.5	4.0													
62.0																									3.3													
66.0																										2.7												
θ (°)	5 to 58	5 to 56	5 to 43	5 to 40	5 to 56	5 to 58	5 to 50	5 to 45	5 to 59	5 to 52	5 to 41	5 to 31	5 to 56	5 to 62	5 to 46	5 to 34	5 to 58	5 to 53	5 to 37	5 to 35	5 to 60	5 to 47	5 to 41	5 to 57	5 to 54	5 to 46	5 to 53	5 to 47	5 to 37	5 to 48	5 to 37							
Standard hook block	80t																25t																					
Hook block weight	1270kg																870kg																					
Standard number of parts of line	3																2																					

Note) Counterweight 98t, outrigger extension width 8.5m,
or counterweight 98t, outrigger extension width 8.0m

Luffing Jib

Capacity LE 2.1m + 20m luffing jib

Unit: t

Boom length	15.0m				20.1m				25.1m				30.2m				35.3m				40.4m				45.4m				50.5m				55.6m			
Boom elevating angle	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°
Load radius (m)																																				
8.0	64.0																																			
9.0	64.0																																			
10.0	64.0																																			
11.0	64.0																																			
12.0	64.0																																			
14.0	64.0	64.0																																		
16.0	59.7	57.8																																		
18.0	51.4	49.6																																		
20.0	44.8	43.2	41.3																																	
22.0		38.2	36.5																																	
24.0			32.5	30.5																																
26.0			29.1	27.4																																
28.0				24.8																																
30.0																																				
32.0																																				
34.0																																				
θ (°)	5 to 62	5 to 52	5 to 58	5 to 40	5 to 56	5 to 56	5 to 51	5 to 50	5 to 60	5 to 46	5 to 57	5 to 46	5 to 42	5 to 50	5 to 47	5 to 38	5 to 56	5 to 49	5 to 48	5 to 38	5 to 42	5 to 38	5 to 45													
Standard hook block	80t				25t																															
Hook block weight	1270kg				870kg																															
Standard number of parts of wire	6				5				4				3				3																			

Note) Counterweight 78t, outrigger extension width 8.5m,
or counterweight 78t, outrigger extension width 8.0m

Capacity LE 2.1m + 29m luffing jib

Unit: t

Boom length	15.0m				20.1m				25.1m				30.2m				35.3m				40.4m				45.4m				50.5m				55.6m			
Boom elevating angle	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°
Load radius (m)																																				
10.0	47.0																																			
11.0	47.0																																			
12.0	47.0																																			
14.0	47.0																																			
16.0	47.0	47.0																																		
18.0	47.0	47.0																																		
20.0	44.1	42.7																																		
22.0	39.0	37.7																																		
24.0	34.8	33.6	31.9																																	
26.0	31.4	30.2	28.7																																	
28.0	28.5	27.3	26.0																																	
30.0		24.9	23.7	22.1																																
32.0		22.9	21.7	20.2																																
34.0			20.0	18.6																																
36.0				17.2																																
38.0																																				
40.0																																				
42.0																																				
44.0																																				
46.0																																				
48.0																																				
50.0																																				
θ (°)	5 to 60	5 to 65	5 to 48	5 to 35	5 to 56	5 to 53	5 to 46	5 to 42	5 to 61	5 to 55	5 to 43	5 to 34	5 to 56	5 to 57	5 to 40	5 to 38	5 to 61	5 to 47	5 to 38	5 to 30	5 to 55	5 to 48	5 to 45	5 to 59	5 to 49	5 to 41	5 to 53	5 to 41	5 to 38	5 to 48	5 to 41	5 to 48	5 to 41			
Standard hook block	80t				25t				25t																											
Hook block weight	1270kg				870kg				870kg																											
Standard number of parts of wire	5				4				3				3				3				2															

Note) Counterweight 78t, outrigger extension width 8.5m,
or counterweight 78t, outrigger extension width 8.0m

Capacity LE 2.1m + 38m luffing jib

Unit: t

Boom length	15.0m				20.1m				25.1m				30.2m				35.3m				40.4m			45.4m			50.5m					
Boom elevating angle Load radius (m)	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	83°	75°	65°	83°	75°	65°	83°	75°	65°
12.0	35.0																															
14.0	35.0				29.5			18.7																								
16.0	35.0				29.5			18.7				18.5																				
18.0	35.0				29.5			18.7				18.5			16.9																	
20.0	35.0	35.0			29.5			18.7				18.5			16.9							13.4										
22.0	35.0	35.0			29.5	29.5		18.7				18.5			16.9							13.4			9.0							
24.0	34.5	33.3			29.5	29.5		18.7	18.7			18.5			16.9							13.4			9.0			5.2				
26.0	31.0	29.9			29.5	28.7		18.7	18.7			18.5	18.5		16.9							13.4			9.0			5.2				
28.0	28.1	27.1	25.6		27.6	25.9		18.7	18.7			18.5	18.5		16.9	16.9						13.4			9.0			5.2				
30.0	25.6	24.7	23.3		25.2	23.6	21.5		18.1	18.7			18.2	18.5		16.9	16.9					13.4	13.4		9.0			5.2				
32.0	23.6	22.6	21.3		23.1	21.6	19.7		17.1	18.6			17.4	18.5		16.9	16.9					13.4	13.4		9.0	9.0		5.2				
34.0	21.8	20.8	19.6		21.3	19.9	18.1		16.3	17.9	16.5		16.5	17.8		16.7	16.6					13.4	13.4		9.0	9.0		5.2				
36.0	20.2	19.2	18.1	16.8	19.7	18.4	16.7		15.6	17.0	15.2		15.8	16.4	13.2		15.9	15.3				13.4	13.4		9.0	9.0		5.2	5.2			
38.0		17.9	16.8	15.5		17.0	15.5		15.0	16.2	14.0		15.1	15.2	12.2		15.2	14.2				13.4	13.4		9.0	9.0		5.2	5.2			
40.0		16.6	15.6	14.4		15.8	14.4	12.8		15.3	13.0			14.1	11.3		14.7	13.2	9.7			13.4	12.5		9.0	9.0		5.2	5.2			
42.0			14.6	13.5		15.0	13.4	11.9		14.2	12.1	10.1		13.1	10.5			12.2	8.9			11.6	7.6		9.0	9.0		5.2	5.2			
44.0			13.6	12.6		12.5	11.1			11.3	9.3			12.2	9.7			11.4	8.2			10.8	7.0		9.0			5.2				
46.0				11.7		11.7	10.3			10.5	8.6			9.0	6.3		10.6	7.5				10.0	6.4		9.0	5.0		5.2				
48.0							9.7			9.8	8.0			8.3	5.7			6.9				9.4	5.9		8.5	4.5		5.2				
50.0											7.4			7.7	5.2			6.4	3.5			5.4			4.1		5.2	3.0				
54.0															4.4							4.4			3.3		5.2	3.0				
θ (°)	5 to 59	5 to 59	5 to 60	5 to 44	5 to 56	5 to 62	5 to 56	5 to 37	5 to 60	5 to 53	5 to 52	5 to 32	5 to 56	5 to 54	5 to 48	5 to 35	5 to 59	5 to 55	5 to 37	5 to 23	5 to 55	5 to 56	5 to 42	5 to 57	5 to 48	5 to 33	5 to 53	5 to 48	5 to 26			
Standard hook block	80t				80t												25t															
Hook block weight	1270kg				1270kg												870kg															
Standard number of parts of line	4				3												2															

Note) Counterweight 78t, outrigger extension width 8.5m,
or counterweight 78t, outrigger extension width 8.0m

Capacity LE 2.1m + 47m luffing jib

Unit: t

Boom length	15.0m				20.1m				25.1m				30.2m				35.3m				40.4m			45.4m			50.5m					
Boom elevating angle Load radius (m)	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	83°	75°	65°	83°	75°	65°	83°	75°					
14.0	26.0																															
16.0	26.0				22.4			12.9																								
18.0	26.0				22.4			12.9				12.3																				
20.0	26.0				22.4			12.9				12.3				11.2																
22.0	26.0	26.0			22.4			12.9				12.3				11.2			9.0													
24.0	24.9	26.0			22.4	22.4		12.9				12.3				11.2			9.0						6.2							
26.0	23.5	25.2			22.4	22.4		12.9	12.9			12.3				11.2			9.0						6.2				3.6			
28.0	22.2	23.7			22.4	22.4		12.9	12.9			12.3	12.3			11.2			9.0						6.2				3.6			
30.0	21.1	22.4			21.4	22.4		12.9	12.9			12.3	12.3			11.2			9.0						6.2				3.6			
32.0	20.1	21.2	20.9		20.4	21.2		12.9	12.9			12.3	12.3			11.2	11.2		9.0						6.2				3.6			
34.0	19.2	20.2	19.2		19.4	19.5		12.9	12.9			12.3	12.3			11.2	11.2		9.0	9.0					6.2				3.6			
36.0	18.4	18.8	17.7		18.6	18.0	16.2		12.5	12.9			12.3	12.3			11.2	11.2		9.0	9.0				6.2	6.2			3.6			
38.0	17.7	17.5	16.4		17.9	16.7	15.0		11.9	12.9	12.9		12.0	12.3			11.2	11.2		9.0	9.0				6.2	6.2			3.6	3.6		
40.0	17.0	16.2	15.2		16.7	15.5	13.9		11.3	12.4	12.5		11.4	12.3			11.2	11.2		9.0	9.0				6.2	6.2			3.6	3.6		
42.0	15.9	15.1	14.1	12.9	15.6	14.4	12.9		10.7	11.8	11.6		10.8	12.1	9.9		11.0	11.2		9.0	9.0				6.2	6.2			3.6	3.6		
44.0	14.9	14.1	13.2	12.1	14.6	13.4	12.0	10.5	10.2	11.2	10.8		10.3	11.5	9.1		10.4	10.9	7.4	9.0	9.0				6.2	6.2			3.6	3.6		
46.0		13.2	12.4	11.3		12.6	11.2	9.8	9.8	10.7	10.1		9.9	11.0	8.4		10.0	10.2	6.7	9.0	9.0				6.2	6.2			3.6	3.6		
48.0		12.4	11.6	10.5		11.8	10.5	9.1		10.2	9.4	7.3		10.4	7.7		9.6	9.5	6.2	9.0	8.6	4.8			6.2	6.2			3.6	3.6		
50.0			10.9	9.9		11.3	9.9	8.5		9.8	8.8	6.7		9.7	7.1			8.8	5.6	9.0	8.0	4.3			6.2	6.2	3.1		3.6	3.6		
54.0				8.7		8.7	7.3				7.6	5.7		8.5	6.1	3.7		7.7	4.7		6.8	3.5			6.1	2.4			3.6			
58.0							6.3					4.8			5.1	3.0			3.9						2.2							
62.0																2.3																
θ (°)	5 to 58	5 to 56	5 to 43	5 to 40	5 to 56	5 to 58	5 to 50	5 to 45	5 to 59	5 to 52	5 to 41	5 to 31	5 to 56	5 to 62	5 to 46	5 to 34	5 to 58	5 to 53	5 to 37	5 to 60	5 to 47	5 to 41	5 to 57	5 to 54	5 to 18	5 to 53	5 to 47					
Standard hook block	80t																25t															
Hook block weight	1270kg																870kg															
Standard number of parts of line	3																2															

Note) Counterweight 78t, outrigger extension width 8.5m,
or counterweight 78t, outrigger extension width 8.0m

Luffing Jib

Capacity LF 2.1m + 20m luffing jib

Unit: t

Boom length	15.0m				20.1m				25.1m				30.2m				35.3m				40.4m				45.4m				50.5m				55.6m			
Boom elevating angle	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°
Load radius (m)																																				
8.0	64.0																																			
9.0	64.0				53.0																															
10.0	64.0				53.0																															
11.0	64.0				53.0			38.8																												
12.0	64.0				53.0			38.8				38.8																								
14.0	59.9	57.9			53.0			38.8				38.8			34.6																					
16.0	50.1	48.3			49.3	46.4		38.8				38.8			34.6			29.2																		
18.0	42.7	40.9			41.9	39.3		38.4	37.8			38.8			34.6			29.2		18.8		11.9														
20.0	36.9	35.4	33.4		36.2	33.9		35.4	32.7			34.2	30.4		33.2			29.2		18.8		11.9													7.5	
22.0		31.0	29.4			29.7	27.1		28.7			30.0	26.6		29.1	25.0		28.4		18.8		11.9													7.5	
24.0			26.0	24.1		26.8	24.1		25.4	21.7		23.6			22.2		25.1	20.9	18.8		11.9														7.5	
26.0			23.3	21.6			21.5		22.7	19.4		21.1			19.8			18.7		17.5															7.5	
28.0				19.4			19.4			17.5			15.3	17.8				16.8		15.7															11.9	
30.0										15.8				13.8				15.2		14.2															11.9	
32.0														12.5				11.0																	11.9	
34.0																		9.9																		
θ (°)	5 to 62	5 to 52	5 to 58	5 to 40	5 to 56	5 to 56	5 to 51	5 to 50	5 to 60	5 to 46	5 to 46	5 to 57	5 to 46	5 to 42	5 to 50	5 to 47	5 to 38	5 to 56	5 to 49	5 to 48	5 to 38	5 to 42	5 to 42	5 to 45												
Standard hook block	80t				25t																															
Hook block weight	1270kg				870kg																															
Standard number of parts of wire	6				5				4				3				3																			

Note) Counterweight 78t, outrigger extension width 6.8m,
or counterweight 58t, outrigger extension width 8.5m,
or counterweight 58t, outrigger extension width 8.0m

Capacity LF 2.1m + 29m luffing jib

Unit: t

Boom length	15.0m				20.1m				25.1m				30.2m				35.3m				40.4m				45.4m				50.5m				55.6m			
Boom elevating angle	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°
Load radius (m)																																				
10.0	47.0																																			
11.0	47.0				39.5																															
12.0	47.0				39.5			27.5																												
14.0	47.0				39.5			27.5				27.5																								
16.0	47.0	47.0			39.5			27.5				27.5			24.7																					
18.0	41.9	40.4			39.5	39.4		27.5				27.5			24.7			20.3																		
20.0	36.2	34.9			35.6	33.4		27.5	27.5			27.5			24.7			20.3			13.4															
22.0	31.9	30.6			31.3	29.3		26.4	27.5			26.7	25.9		24.7			20.3			13.4														4.7	
24.0	28.4	27.2	25.5		27.9	26.0		25.4	24.9			25.6	22.9		24.7	21.5		20.3			13.4														4.7	
26.0	25.6	24.3	22.8		25.0	23.2	20.9		24.4	22.3			23.4	20.5			22.8	19.2		20.3															4.7	
28.0	23.1	22.0	20.6		22.6	21.0	18.9		22.0	20.1			21.2	18.5			20.6	17.3		19.8	16.0														4.7	
30.0		20.0	18.7	17.1		19.0	17.1		20.0	18.3	15.2		19.2	16.7			18.7	15.6		18.0	14.5														4.7	
32.0		18.3	17.1	15.6		17.4	15.6			16.7	13.9			15.2	11.8			17.0	14.2		16.4	13.2													4.7	
34.0			15.7	14.3		14.3	12.5			15.2	12.7			13.9	10.8			13.0			12.1														4.7	
36.0				13.2		13.1	11.5				11.6			12.8	9.8			11.9	8.1		11.0														4.7	
38.0							10.5				10.7		8.5		8.9				7.4		10.1														4.7	
40.0								9.7					7.7		8.1	5.1			6.7		9.4														4.7	
42.0												7.0				4.6			6.0																4.7	
44.0																4.1																				
46.0																																				
48.0																																				
θ (°)	5 to 60	5 to 65	5 to 48	5 to 35	5 to 56	5 to 53	5 to 46	5 to 42	5 to 61	5 to 55	5 to 43	5 to 34	5 to 56	5 to 57	5 to 40	5 to 38	5 to 61	5 to 47	5 to 38	5 to 55	5 to 48	5 to 45	5 to 59	5 to 49	5 to 41	5 to 53	5 to 41	5 to 48	5 to 41							
Standard hook block	80t				25t				25t																											
Hook block weight	1270kg				870kg				870kg																											
Standard number of parts of wire	5				4				3				3				2																			

Note) Counterweight 78t, outrigger extension width 6.8m,
or counterweight 58t, outrigger extension width 8.5m,
or counterweight 58t, outrigger extension width 8.0m



Capacity LF 2.1m + 38m luffing jib

Unit: t

Boom length	15.0m				20.1m				25.1m				30.2m			35.3m			40.4m			45.4m		50.5m				
Boom elevating angle Load radius (m)	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	83°	75°	65°	83°	75°	65°	83°	75°	83°	75°	83°	75°	
12.0	35.0																											
14.0	35.0				29.5			18.7																				
16.0	35.0				29.5			18.7				18.5																
18.0	35.0				29.5			18.7				18.5			16.9													
20.0	35.0	34.6			29.5			18.7				18.5			16.9			13.4										
22.0	31.6	30.3			29.5	29.4		18.7				18.5			16.9			13.4			9.0							
24.0	28.0	26.9			27.4	25.6		18.7	18.7			18.5			16.9			13.4			9.0			5.2				
26.0	25.1	24.1			24.6	22.9		18.7	18.7			18.5	18.5		16.9			13.4			9.0			5.2				
28.0	22.7	21.7	20.2		22.2	20.6		18.7	18.7			18.5	17.9		16.9	16.5		13.4			9.0			5.2				
30.0	20.7	19.7	18.3		20.2	18.7	16.6		18.1	17.9			18.2	16.2		16.9	14.9		13.4	13.4		9.0			5.2			
32.0	19.0	18.0	16.7		18.5	17.0	15.1		17.1	16.3			17.2	14.8		16.5	13.5		13.4	12.6		9.0	9.0		5.2			
34.0	17.5	16.5	15.3		17.0	15.6	13.8		16.3	14.9	12.2		15.8	13.5		15.1	12.4		13.4	11.5		9.0	9.0		5.2			
36.0	16.1	15.2	14.1	12.7	15.7	14.4	12.7		15.3	13.7	11.1		14.5	12.4	9.0	13.9	11.3		13.4	10.5		9.0	9.0		5.2	5.2		
38.0		14.1	13.0	11.8		13.3	11.7		14.1	12.6	10.2		13.4	11.4	8.2	12.8	10.4		12.5	9.7		9.0	8.5		5.2	5.2		
40.0		13.1	12.1	10.9		12.3	10.8	9.2		11.7	9.4		10.5	7.4	11.9	9.6	5.7	11.5	8.9		9.0	7.7		5.2	5.2			
42.0			11.2	10.1		11.6	10.0	8.5		10.8	8.7	6.3		9.7	6.8	8.8	5.1	8.1	3.9	9.0	7.0		5.2	5.2				
44.0			10.4	9.3		9.3	7.8			8.1	5.7		9.0	6.2		8.2	4.6	7.4	3.4		6.4		5.2					
46.0				8.7		8.6	7.2			7.4	5.2		5.6		7.5	4.1	6.8	3.0		5.8		5.0						
48.0							6.6			6.8	4.7		5.1		3.7		6.2	2.6		5.3		4.5						
50.0											4.3		4.6		3.3		2.2					4.0						
θ (°)	5 to 59	5 to 59	5 to 60	5 to 44	5 to 56	5 to 62	5 to 56	5 to 37	5 to 60	5 to 53	5 to 52	5 to 32	5 to 56	5 to 54	5 to 48	5 to 59	5 to 55	5 to 37	5 to 55	5 to 56	5 to 29	5 to 57	5 to 48	5 to 53	5 to 48			
Standard hook block	80t				80t				25t																			
Hook block weight	1270kg				1270kg				870kg																			
Standard number of parts of line	4				3				2																			

Note) Counterweight 78t, outrigger extension width 6.8m,
 or counterweight 58t, outrigger extension width 8.5m,
 or counterweight 58t, outrigger extension width 8.0m



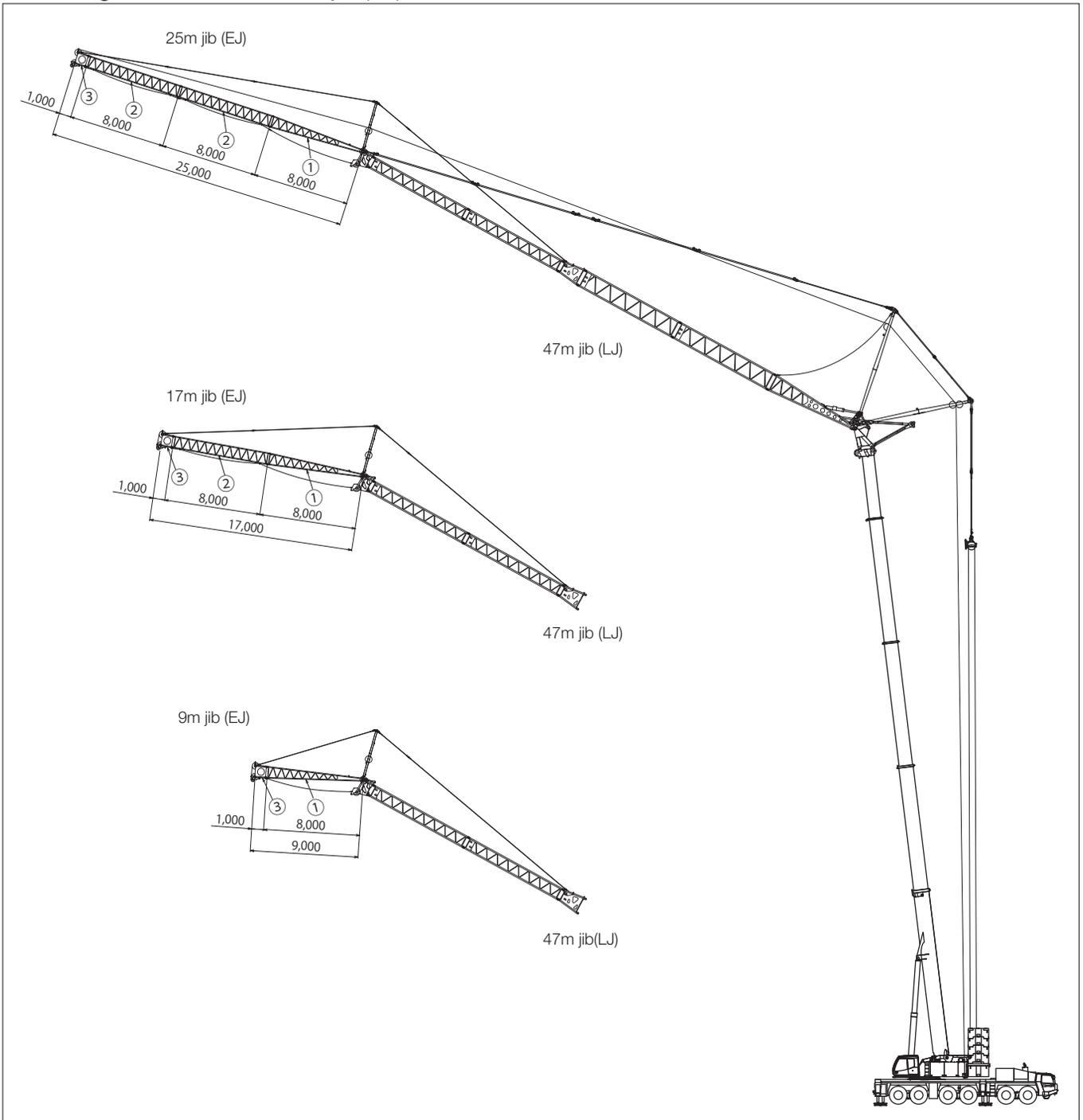
ALL TERRAIN CRANE
ATF360G-6
Luffing Jib+ Extension Jib



U+EJ

Luffing Jib + Extension Jib

■ Configuration of extension jib (EJ)



■ Combination of extension jib (EJ) length

9m jib	
17m jib	
25m jib	

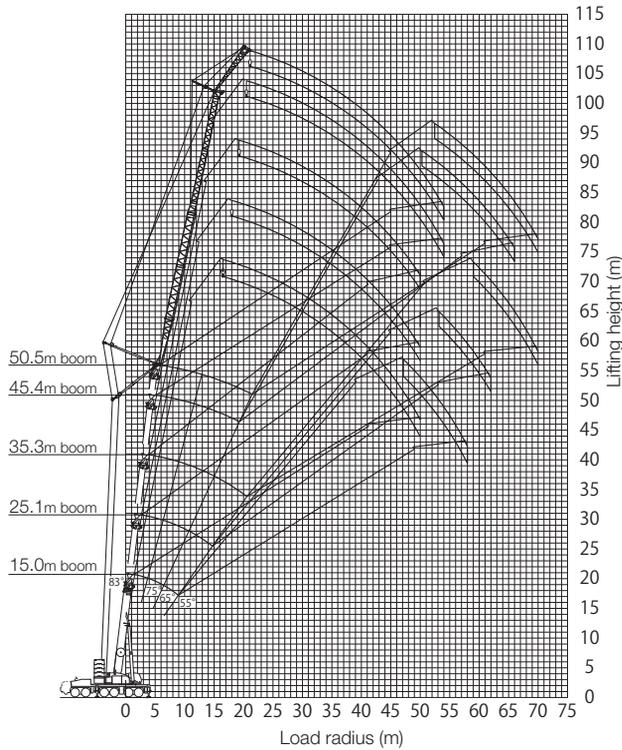
■ Mass of each part

Symbol	Name	Mass
①	(EJ) Base jib	0.7 t
②	(EJ) Middle jib	0.4 t
③	(EJ) Top jib	0.5 t

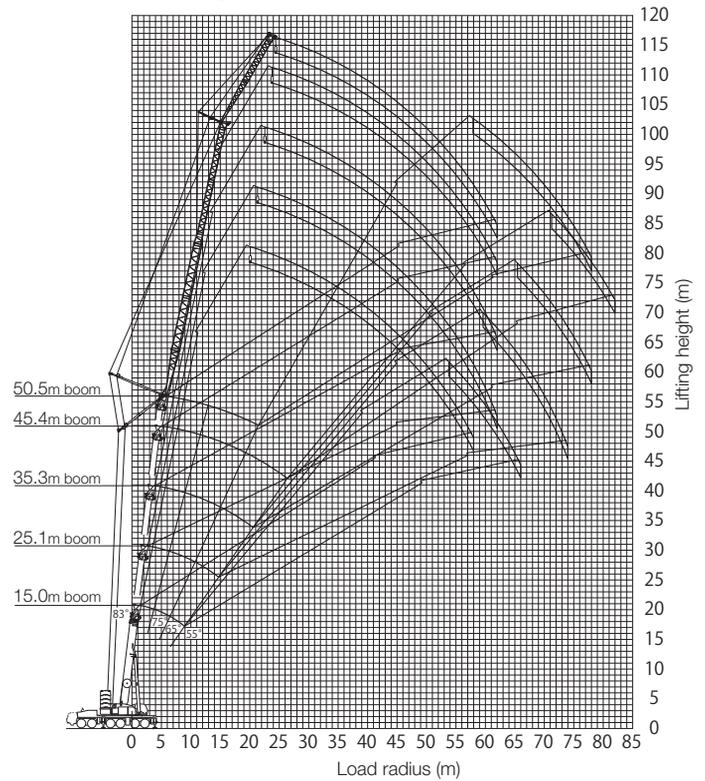
Observe the above combinations for jibs. Any other combinations are prohibited.

Working range chart for luffing jib (LJ) + extension jib (EJ)

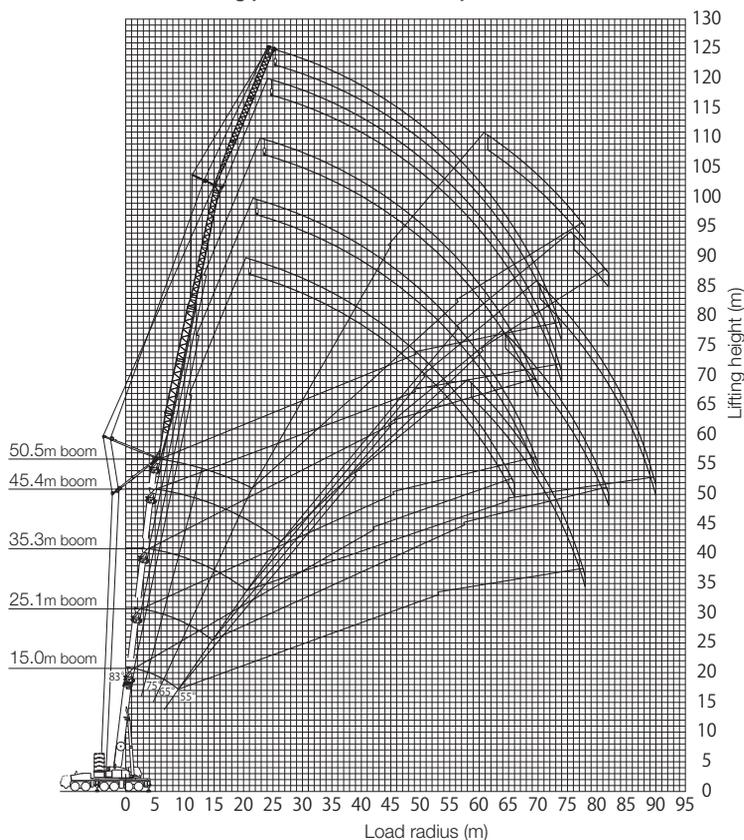
2.1m + 47m luffing jib + 9m extension jib



2.1m + 47m luffing jib + 17m extension jib



2.1m + 47m luffing jib + 25m extension jib



(Note) 1. The above drawing does not consider any boom and jib deflection.
 2. The above drawing shows the maximum load radius for the capacity LA.
 3. The working range chart for the 20.1m, 30.2m, and 40.4m booms is not shown.

Luffing Jib + Extension Jib

Rated lifting capacity table for luffing jib (LJ) + extension jib (EJ)

1. Capacity classifications LA to LE of the rated lifting capacity table are as follows in the table below.

Outrigger extension width \ Counterweight	138 t	118 t	98 t	78 t
8.5 m	LA	LB	LD	LE
8.0 m		LC	LD	LE

2. The rated lifting capacity indicates the values including the mass of lifting devices and hook block (25t hook block: 870kg, 11.3t hook block: 440kg).

3. The rated lifting capacity is based on the actual load radius considering boom deflection.

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

Boom length	15.0 m	20.1 m	25.1 m	30.2 m	35.3 m	40.4 m	45.4 m	50.5 m
Telescopic section 1	0	0	45	90	90	90	90	90
Telescopic section 2	0	45	45	45	90	90	90	90
Telescopic section 3	0	0	0	0	0	45	90	90
Telescopic section 4	0	0	0	0	0	0	0	45

5. When the number of parts of line used is less than the standard one specified in the rated lifting capacity table:

- The lower limit of the number of parts of line and the upper limit of the maximum load are as follows in the table below.

Jib length	47m+9m
Minimum number of parts of line	1
Maximum load	11.3t

6. When the B-pins (boom fixing pins) are not inserted, operation is not allowed.

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

8. 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 10m/s or more.

9. Values above the thick line in the rated lifting capacity table 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.

10. "θ (°)" indicates the jib offset angle range in which no-load operation is enabled.

Capacity LA 2.1m + 47m luffing jib + 9m extension jib

Unit: t

Boom length	15.0m				20.1m				25.1m				30.2m				35.3m				40.4m				45.4m				50.5m				
	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	83°	75°
18.0	16.8																																
20.0	16.8				14.9			9.0																									
22.0	16.8				14.9			9.0				7.9																					
24.0	16.4				14.9			9.0				7.9				6.9																	
26.0	15.8				14.9			9.0				7.9			6.9								5.1										
28.0	15.2	15.9			14.9			9.0				7.9			6.9								5.1		4.0								
30.0	14.6	15.3			14.8	14.9		9.0				7.9			6.9							5.1		4.0				2.7					
32.0	13.9	14.7			14.1	14.9		9.0	9.0			7.9			6.9							5.1		4.0				2.7					
34.0	13.2	14.0			13.4	14.5		9.0	9.0			7.9	7.9		6.9							5.1		4.0				2.7					
36.0	12.6	13.3			12.8	13.7		9.0	9.0			7.9	7.9		6.9	6.9						5.1		4.0				2.7					
38.0	12.0	12.7			12.2	13.1		9.0	9.0			7.9	7.9		6.9	6.9						5.1		4.0				2.7					
40.0	11.5	12.1	12.9		11.7	12.5		9.0	9.0			7.9	7.9		6.9	6.9						5.1	5.1	4.0				2.7					
42.0	11.0	11.6	12.3		11.2	11.9	12.9	9.0	9.0			7.9	7.9		6.9	6.9						5.1	5.1	4.0	4.0			2.7					
44.0	10.6	11.1	11.8		10.7	11.4	12.3	9.0	9.0	9.0		7.9	7.9		6.9	6.9						5.1	5.1	4.0	4.0			2.7	2.7				
46.0	10.2	10.7	11.3		10.3	11.0	11.8	9.0	9.0	9.0		7.9	7.9		6.9	6.9						5.1	5.1	4.0	4.0			2.7	2.7				
48.0	9.9	10.3	10.8	11.4	10.0	10.5	11.3	9.0	9.0	9.0		7.9	7.9	7.9		6.9	6.9					5.1	5.1	4.0	4.0			2.7	2.7				
50.0	9.6	9.9	10.4	10.9	9.7	10.2	10.9	9.0	9.0	9.0		7.9	7.9	7.9		6.9	6.9	6.9				5.1	5.1	4.0	4.0			2.7	2.7				
54.0			9.7	10.1		9.5	10.1	10.7		9.0	9.0		7.9	7.9		6.9	6.9					5.1	5.1	5.1	4.0	4.0		2.7	2.7				
58.0				9.5			9.5	10.0			9.0	9.0		7.9			6.9	6.9					5.1	5.1		4.0	4.0		2.7				
62.0												9.0			7.9	7.9		6.9					5.1			4.0		2.7	2.7				
66.0															7.9								6.0			5.1		4.0		2.7	2.7		
70.0																							5.4						2.4				
θ (°)	5 to 52	5 to 39	5 to 32	5 to 25	5 to 50	5 to 45	5 to 36	5 to 19	5 to 49	5 to 41	5 to 31	5 to 21	5 to 47	5 to 38	5 to 34	5 to 22	5 to 44	5 to 28	5 to 24	5 to 49	5 to 37	5 to 30	5 to 46	5 to 34	5 to 25	5 to 44	5 to 38	5 to 27					
Standard hook block	25t								11.3t																								
Hook block weight	870kg								440kg																								
Standard number of parts of line	2								1																								

Note) Counterweight 138t, outrigger extension width 8.5m

Capacity LA 2.1m + 47m luffing jib + 17m extension jib

Unit: t

Boom length	15.0m				20.1m				25.1m				30.2m				35.3m				40.4m				45.4m				50.5m				
	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°		
22.0	9.8																																
24.0	9.8				9.6			5.8																									
26.0	9.8				9.6			5.8				5.3																					
28.0	9.8				9.6			5.8				5.3			4.6							3.4											
30.0	9.3				9.6			5.8				5.3			4.6							3.4											
32.0	8.9	9.4			9.4			5.8				5.3			4.6							3.4										1.9	
34.0	8.5	9.0			9.0	9.6		5.8				5.3			4.6							3.4										1.9	
36.0	8.2	8.6			8.6	9.2		5.8	5.8			5.3			4.6							3.4										1.9	
38.0	7.9	8.2			8.3	8.8		5.8	5.8			5.3	5.3		4.6							3.4										1.9	
40.0	7.6	7.9			7.9	8.4		5.8	5.8			5.3	5.3		4.6	4.6						3.4										1.9	
42.0	7.3	7.6			7.7	8.1		5.8	5.8			5.3	5.3		4.6	4.6						3.4	3.4									1.9	
44.0	7.0	7.3	7.7		7.4	7.8		5.8	5.8			5.3	5.3		4.6	4.6						3.4	3.4									1.9	
46.0	6.8	7.1	7.4		7.1	7.5		5.8	5.8			5.3	5.3		4.6	4.6						3.4	3.4									1.9	
48.0	6.6	6.9	7.2		6.9	7.3	7.7		5.8	5.8			5.3	5.3		4.6	4.6					3.4	3.4									1.9	
50.0	6.4	6.6	6.9		6.7	7.0	7.5		5.8	5.8	5.8		5.3	5.3		4.6	4.6					3.4	3.4									1.9	
54.0	6.1	6.3	6.5		6.4	6.6	7.0		5.8	5.8	5.8		5.3	5.3	5.3		4.6	4.6				3.4	3.4									1.9	
58.0	5.8	6.0	6.2	6.4	6.1	6.3	6.6	6.9	5.8	5.8	5.8		5.3	5.3	5.3		4.6	4.6	4.6			3.4	3.4	3.4								1.9	
62.0		5.8	5.9	6.1	5.9	6.0	6.2	6.5	5.8	5.8	5.8	5.8	5.3	5.3	5.3		4.6	4.6	4.6			3.4	3.4	3.4								1.9	
66.0			5.7	5.8			6.0	6.2		5.8	5.8	5.8		5.3	5.3	5.3		4.6	4.6			3.4	3.4									1.9	
70.0							6.0			5.8	5.8			5.3	5.3		4.6	4.6				3.4	3.4									1.9	
74.0											5.8				5.3			4.6	4.6				3.4	3.4									1.9
78.0																		4.5					3.3										1.7
82.0																							2.8										1.8
θ (°)	5 to 53	5 to 48	5 to 42	5 to 26	5 to 60	5 to 45	5 to 36	5 to 27	5 to 58	5 to 51	5 to 40	5 to 30	5 to 56	5 to 47	5 to 34	5 to 23	5 to 54	5 to 43	5 to 38	5 to 25	5 to 51	5 to 48	5 to 32	5 to 26	5 to 48	5 to 43	5 to 34	5 to 19	5 to 46	5 to 39	5 to 29		
Standard hook block	11.3t																																
Hook block weight	440kg																																
Standard number of parts of line	1																																

Note) Counterweight 138t, outrigger extension width 8.5m

Luffing Jib + Extension Jib

Capacity LA 2.1m + 47m luffing jib + 25m extension jib

Unit: t

Boom length	15.0m				20.1m				25.1m				30.2m				35.3m				40.4m				45.4m				50.5m		
Boom elevating angle	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°
Load radius (m)																															
24.0	6.3				5.8																										
26.0	6.3				5.8				3.6				3.3																		
28.0	6.3				5.8				3.6				3.3				3.0														
30.0	6.3				5.8				3.6				3.3				3.0				2.1										
32.0	6.3				5.8				3.6				3.3				3.0				2.1				1.6						
34.0	6.3	6.3			5.8				3.6				3.3				3.0				2.1				1.6				1.3		
36.0	6.3	6.3			5.8	5.8			3.6				3.3				3.0				2.1				1.6				1.3		
38.0	6.3	6.3			5.8	5.8			3.6	3.6			3.3				3.0				2.1				1.6				1.3		
40.0	6.0	6.3			5.8	5.8			3.6	3.6			3.3	3.3			3.0				2.1				1.6				1.3		
42.0	5.7	6.1			5.8	5.8			3.6	3.6			3.3	3.3			3.0	3.0			2.1				1.6				1.3		
44.0	5.5	5.8			5.6	5.8			3.6	3.6			3.3	3.3			3.0	3.0			2.1	2.1			1.6				1.3		
46.0	5.2	5.5			5.3	5.7			3.6	3.6			3.3	3.3			3.0	3.0			2.1	2.1			1.6				1.3		
48.0	5.0	5.3		5.6	5.1	5.4			3.6	3.6			3.3	3.3			3.0	3.0			2.1	2.1			1.6	1.6			1.3		
50.0	4.8	5.0	5.3		4.9	5.2			3.6	3.6			3.3	3.3			3.0	3.0			2.1	2.1			1.6	1.6			1.3	1.3	
54.0	4.4	4.7	4.9		4.5	4.8	5.1		3.6	3.6	3.6		3.3	3.3			3.0	3.0			2.1	2.1			1.6	1.6			1.3	1.3	
58.0	4.1	4.3	4.5		4.2	4.4	4.7		3.6	3.6	3.6		3.3	3.3	3.3		3.0	3.0			2.1	2.1			1.6	1.6			1.3	1.3	
62.0	3.9	4.0	4.2	4.4	3.9	4.1	4.4		3.6	3.6	3.6		3.3	3.3	3.3		3.0	3.0	3.0		2.1	2.1	2.1		1.6	1.6			1.3	1.3	
66.0	3.6	3.8	3.9	4.1	3.7	3.9	4.1	4.3	3.6	3.6	3.6		3.3	3.3	3.3		3.0	3.0	3.0		2.1	2.1	2.1		1.6	1.6	1.6		1.3	1.3	
70.0		3.6	3.7	3.8	3.5	3.6	3.8	4.0	3.5	3.6	3.6	3.6	3.3	3.3	3.3	3.3	3.0	3.0	3.0		2.1	2.1	2.1		1.6	1.6	1.6		1.3	1.3	1.3
74.0		3.4	3.5	3.6		3.4	3.6	3.8		3.5	3.6	3.6		3.3	3.3	3.3		3.0	3.0	3.0		2.1	2.1		1.6	1.6	1.6		1.3	1.3	1.3
78.0				3.4			3.4	3.6			3.5	3.6		3.3	3.3	3.3		3.0	3.0	3.0		2.1	2.1	2.1		1.6	1.6	1.6		1.3	1.3
82.0								3.4					3.5			3.3	3.3			3.0	3.0		2.1	2.1			1.6	1.5		1.3	
86.0																3.3					3.0			2.1	2.1						
90.0																					3.0				2.1						
θ (°)	5 to 54	5 to 61	5 to 42	5 to 37	5 to 61	5 to 56	5 to 47	5 to 40	5 to 59	5 to 52	5 to 41	5 to 31	5 to 58	5 to 60	5 to 46	5 to 34	5 to 56	5 to 54	5 to 40	5 to 36	5 to 53	5 to 50	5 to 42	5 to 28	5 to 58	5 to 45	5 to 36	5 to 15	5 to 55	5 to 49	5 to 20
Standard hook block	11.3t																														
Hook block weight	440kg																														
Standard number of parts of line	1																														

Note) Counterweight 138t, outrigger extension width 8.5m

Capacity LB 2.1m + 47m luffing jib + 9m extension jib

Unit: t

Boom length	15.0m				20.1m				25.1m				30.2m				35.3m				40.4m			45.4m			50.5m			
	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	83°	75°	65°	83°	75°	65°	
18.0	16.8																													
20.0	16.8				14.9			9.0																						
22.0	16.8				14.9			9.0				7.9																		
24.0	16.4				14.9			9.0				7.9				6.9														
26.0	15.8				14.9			9.0				7.9			6.9							5.1								
28.0	15.2	15.9			14.9			9.0				7.9			6.9							5.1		4.0						
30.0	14.6	15.3			14.8	14.9		9.0				7.9			6.9							5.1		4.0			2.7			
32.0	13.9	14.7			14.1	14.9		9.0	9.0			7.9			6.9							5.1		4.0			2.7			
34.0	13.2	14.0			13.4	14.5		9.0	9.0			7.9	7.9		6.9							5.1		4.0			2.7			
36.0	12.6	13.3			12.8	13.7		9.0	9.0			7.9	7.9		6.9	6.9						5.1		4.0			2.7			
38.0	12.0	12.7			12.2	13.1		9.0	9.0			7.9	7.9		6.9	6.9						5.1		4.0			2.7			
40.0	11.5	12.1	12.9		11.7	12.5		9.0	9.0			7.9	7.9		6.9	6.9						5.1	5.1	4.0			2.7			
42.0	11.0	11.6	12.3		11.2	11.9	12.9	9.0	9.0			7.9	7.9		6.9	6.9						5.1	5.1	4.0	4.0		2.7			
44.0	10.6	11.1	11.8		10.7	11.4	12.3	9.0	9.0	9.0		7.9	7.9		6.9	6.9						5.1	5.1	4.0	4.0		2.7	2.7		
46.0	10.2	10.7	11.3		10.3	11.0	11.8	9.0	9.0	9.0		7.9	7.9		6.9	6.9						5.1	5.1	4.0	4.0		2.7	2.7		
48.0	9.9	10.3	10.8	11.4	10.0	10.5	11.3	9.0	9.0	9.0		7.9	7.9	7.9		6.9	6.9					5.1	5.1	4.0	4.0		2.7	2.7		
50.0	9.6	9.9	10.4	10.9	9.7	10.2	10.9	9.0	9.0	9.0		7.9	7.9	7.9		6.9	6.9	6.9				5.1	5.1	4.0	4.0		2.7	2.7		
54.0			9.7	10.1		9.5	10.1	10.7		9.0	9.0		7.9	7.9		6.9	6.9					5.1	5.1	5.1	4.0	4.0		2.7	2.7	
58.0				9.5			9.5	10.0			9.0	9.0		7.9			6.9	6.9					5.1	5.1		4.0	4.0		2.7	
62.0												8.6			7.9	7.1			6.9					5.1			4.0		2.7	2.7
66.0															6.2								5.1			4.0			2.7	2.7
70.0																													2.4	2.4
θ (°)	5 to 52	5 to 39	5 to 32	5 to 25	5 to 50	5 to 45	5 to 36	5 to 19	5 to 49	5 to 41	5 to 31	5 to 21	5 to 47	5 to 38	5 to 34	5 to 22	5 to 44	5 to 28	5 to 24	5 to 49	5 to 37	5 to 30	5 to 46	5 to 34	5 to 25	5 to 44	5 to 38	5 to 27		
Standard hook block	25t								11.3t																					
Hook block weight	870kg								440kg																					
Standard number of parts of line	2								1																					

Note) Counterweight 118t, outrigger extension width 8.5m

Capacity LB 2.1m + 47m luffing jib + 17m extension jib

Unit: t

Boom length	15.0m				20.1m				25.1m				30.2m				35.3m				40.4m				45.4m			50.5m				
	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	83°	75°	65°	83°	75°	65°			
22.0	9.8																															
24.0	9.8				9.6			5.8																								
26.0	9.8				9.6			5.8				5.3																				
28.0	9.8				9.6			5.8				5.3			4.6							3.4										
30.0	9.3				9.6			5.8				5.3			4.6							3.4				2.6						
32.0	8.9	9.4			9.4			5.8				5.3			4.6							3.4				2.6			1.9			
34.0	8.5	9.0			9.0	9.6		5.8				5.3			4.6							3.4				2.6			1.9			
36.0	8.2	8.6			8.6	9.2		5.8	5.8			5.3			4.6							3.4				2.6			1.9			
38.0	7.9	8.2			8.3	8.8		5.8	5.8			5.3	5.3		4.6							3.4				2.6			1.9			
40.0	7.6	7.9			7.9	8.4		5.8	5.8			5.3	5.3		4.6	4.6						3.4				2.6			1.9			
42.0	7.3	7.6			7.7	8.1		5.8	5.8			5.3	5.3		4.6	4.6						3.4	3.4			2.6			1.9			
44.0	7.0	7.3	7.7		7.4	7.8		5.8	5.8			5.3	5.3		4.6	4.6						3.4	3.4			2.6			1.9			
46.0	6.8	7.1	7.4		7.1	7.5		5.8	5.8			5.3	5.3		4.6	4.6						3.4	3.4			2.6	2.6		1.9			
48.0	6.6	6.9	7.2		6.9	7.3	7.7		5.8	5.8			5.3	5.3		4.6	4.6					3.4	3.4			2.6	2.6		1.9			
50.0	6.4	6.6	6.9		6.7	7.0	7.5		5.8	5.8	5.8		5.3	5.3		4.6	4.6					3.4	3.4			2.6	2.6		1.9			
54.0	6.1	6.3	6.5		6.4	6.6	7.0		5.8	5.8	5.8		5.3	5.3	5.3		4.6	4.6				3.4	3.4			2.6	2.6		1.9			
58.0	5.8	6.0	6.2	6.4	6.1	6.3	6.6	6.9	5.8	5.8	5.8		5.3	5.3	5.3		4.6	4.6	4.6			3.4	3.4	3.4		2.6	2.6		1.9			
62.0		5.8	5.9	6.1	5.9	6.0	6.2	6.5	5.8	5.8	5.8	5.8	5.3	5.3	5.3		4.6	4.6	4.6			3.4	3.4	3.4		2.6	2.6	2.6	1.9			
66.0			5.7	5.8			6.0	6.2		5.8	5.8	5.8		5.3	5.3	5.3		4.6	4.6			3.4	3.4			2.6	2.6		1.9			
70.0							6.0			5.8	5.8			5.3	5.3			4.6	4.6			3.4	3.4			2.6	2.6		1.9			
74.0											5.8					5.1			4.6	3.9			3.4	2.8			2.6		1.9			
78.0																				3.3				2.3			2.6		1.7			
82.0																										1.8						
θ (°)	5 to 53	5 to 48	5 to 42	5 to 26	5 to 60	5 to 45	5 to 36	5 to 27	5 to 58	5 to 51	5 to 40	5 to 30	5 to 56	5 to 47	5 to 34	5 to 23	5 to 54	5 to 43	5 to 38	5 to 25	5 to 51	5 to 48	5 to 32	5 to 26	5 to 48	5 to 43	5 to 34	5 to 46	5 to 39	5 to 29		
Standard hook block	11.3t																															
Hook block weight	440kg																															
Standard number of parts of line	1																															

Note) Counterweight 118t, outrigger extension width 8.5m

Luffing Jib + Extension Jib

Capacity LB 2.1m + 47m luffing jib + 25m extension jib

Unit: t

Boom length	15.0m				20.1m				25.1m				30.2m				35.3m				40.4m				45.4m			50.5m					
Boom elevating angle Load radius (m)	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	83°	75°	65°	83°	75°	65°
24.0	6.3				5.8																												
26.0	6.3				5.8				3.6				3.3																				
28.0	6.3				5.8				3.6				3.3				3.0																
30.0	6.3				5.8				3.6				3.3				3.0				2.1												
32.0	6.3				5.8				3.6				3.3				3.0				2.1				1.6								
34.0	6.3	6.3			5.8				3.6				3.3				3.0				2.1				1.6			1.3					
36.0	6.3	6.3			5.8	5.8			3.6				3.3				3.0				2.1				1.6			1.3					
38.0	6.3	6.3			5.8	5.8			3.6	3.6			3.3				3.0				2.1				1.6			1.3					
40.0	6.0	6.3			5.8	5.8			3.6	3.6			3.3	3.3			3.0				2.1				1.6			1.3					
42.0	5.7	6.1			5.8	5.8			3.6	3.6			3.3	3.3			3.0	3.0			2.1				1.6			1.3					
44.0	5.5	5.8			5.6	5.8			3.6	3.6			3.3	3.3			3.0	3.0			2.1	2.1			1.6			1.3					
46.0	5.2	5.5			5.3	5.7			3.6	3.6			3.3	3.3			3.0	3.0			2.1	2.1			1.6			1.3					
48.0	5.0	5.3	5.6		5.1	5.4			3.6	3.6			3.3	3.3			3.0	3.0			2.1	2.1			1.6	1.6		1.3					
50.0	4.8	5.0	5.3		4.9	5.2			3.6	3.6			3.3	3.3			3.0	3.0			2.1	2.1			1.6	1.6		1.3	1.3				
54.0	4.4	4.7	4.9		4.5	4.8	5.1		3.6	3.6	3.6		3.3	3.3			3.0	3.0			2.1	2.1			1.6	1.6		1.3	1.3				
58.0	4.1	4.3	4.5		4.2	4.4	4.7		3.6	3.6	3.6		3.3	3.3	3.3		3.0	3.0			2.1	2.1			1.6	1.6		1.3	1.3				
62.0	3.9	4.0	4.2	4.4	3.9	4.1	4.4		3.6	3.6	3.6		3.3	3.3	3.3		3.0	3.0	3.0		2.1	2.1	2.1		1.6	1.6		1.3	1.3				
66.0	3.6	3.8	3.9	4.1	3.7	3.9	4.1	4.3	3.6	3.6	3.6		3.3	3.3	3.3		3.0	3.0	3.0		2.1	2.1	2.1		1.6	1.6	1.6	1.3	1.3				
70.0		3.6	3.7	3.8	3.5	3.6	3.8	4.0	3.5	3.6	3.6	3.6	3.3	3.3	3.3	3.3	3.0	3.0	3.0		2.1	2.1	2.1		1.6	1.6	1.6	1.3	1.3	1.3			
74.0		3.4	3.5	3.6		3.4	3.6	3.8		3.5	3.6	3.6		3.3	3.3	3.3		3.0	3.0	3.0		2.1	2.1		1.6	1.6	1.6	1.3	1.3	1.3			
78.0				3.4			3.4	3.6				3.5	3.6		3.3	3.3	3.3		3.0	3.0	3.0		2.1	2.1	2.1		1.6	1.6		1.3	1.3		
82.0								3.4					3.5			3.3	3.3			3.0	2.9			2.1	1.8		1.6		1.3				
86.0															3.3						2.4			2.1			1.6						
90.0																						2.0											
θ (°)	5 to 54	5 to 61	5 to 42	5 to 37	5 to 61	5 to 56	5 to 47	5 to 40	5 to 59	5 to 52	5 to 41	5 to 31	5 to 58	5 to 60	5 to 46	5 to 34	5 to 56	5 to 54	5 to 40	5 to 36	5 to 53	5 to 50	5 to 42	5 to 15	5 to 58	5 to 45	5 to 36	5 to 55	5 to 49	5 to 20			
Standard hook block	11.3t																																
Hook block weight	440kg																																
Standard number of parts of life	1																																

Note) Counterweight 118t, outrigger extension width 8.5m

Capacity LC 2.1m + 47m luffing jib + 9m extension jib

Unit: t

Boom length	15.0m				20.1m				25.1m				30.2m				35.3m				40.4m			45.4m			50.5m		
	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	83°	75°	65°	83°	75°	65°
18.0	16.8																												
20.0	16.8				14.9			9.0																					
22.0	16.8				14.9			9.0				7.9																	
24.0	16.4				14.9			9.0				7.9				6.9													
26.0	15.8				14.9			9.0				7.9			6.9						5.1								
28.0	15.2	15.9			14.9			9.0				7.9			6.9						5.1		4.0						
30.0	14.6	15.3			14.8	14.9		9.0				7.9			6.9						5.1		4.0			2.7			
32.0	13.9	14.7			14.1	14.9		9.0	9.0			7.9			6.9						5.1		4.0			2.7			
34.0	13.2	14.0			13.4	14.5		9.0	9.0			7.9	7.9		6.9						5.1		4.0			2.7			
36.0	12.6	13.3			12.8	13.7		9.0	9.0			7.9	7.9		6.9	6.9					5.1		4.0			2.7			
38.0	12.0	12.7			12.2	13.1		9.0	9.0			7.9	7.9		6.9	6.9					5.1		4.0			2.7			
40.0	11.5	12.1	12.9		11.7	12.5		9.0	9.0			7.9	7.9		6.9	6.9					5.1	5.1	4.0			2.7			
42.0	11.0	11.6	12.3		11.2	11.9	12.9	9.0	9.0			7.9	7.9		6.9	6.9					5.1	5.1	4.0	4.0		2.7			
44.0	10.6	11.1	11.8		10.7	11.4	12.3	9.0	9.0	9.0		7.9	7.9		6.9	6.9					5.1	5.1	4.0	4.0		2.7	2.7		
46.0	10.2	10.7	11.3		10.3	11.0	11.8	9.0	9.0	9.0		7.9	7.9		6.9	6.9					5.1	5.1	4.0	4.0		2.7	2.7		
48.0	9.9	10.3	10.8	11.4	10.0	10.5	11.3	9.0	9.0	9.0		7.9	7.9	7.9		6.9	6.9				5.1	5.1	4.0	4.0		2.7	2.7		
50.0	9.6	9.9	10.4	10.9	9.7	10.2	10.9	9.0	9.0	9.0		7.9	7.9	7.9		6.9	6.9	6.9			5.1	5.1	4.0	4.0		2.7	2.7		
54.0			9.7	10.1		9.5	10.1	10.7		9.0	9.0		7.9	7.9		6.9	6.9				5.1	5.1	5.1	4.0	4.0		2.7	2.7	
58.0				9.5			9.5	10.0			9.0	9.0		7.9	7.9		6.9	6.9				5.1	5.1		4.0	4.0		2.7	
62.0												8.5			7.9	6.8		6.9				5.1			4.0		2.7	2.7	
66.0															5.9							5.1			4.0			2.7	2.7
70.0																												2.4	2.4
θ (°)	5 to 52	5 to 39	5 to 32	5 to 25	5 to 50	5 to 45	5 to 36	5 to 19	5 to 49	5 to 41	5 to 31	5 to 21	5 to 47	5 to 38	5 to 34	5 to 22	5 to 44	5 to 28	5 to 24	5 to 49	5 to 37	5 to 30	5 to 46	5 to 34	5 to 25	5 to 44	5 to 38	5 to 27	
Standard hook block	25t								11.3t																				
Hook block weight	870kg								440kg																				
Standard number of parts of line	2								1																				

Note) Counterweight 118t, outrigger extension width 8.0m

Capacity LC 2.1m + 47m luffing jib + 17m extension jib

Unit: t

Boom length	15.0m				20.1m				25.1m				30.2m				35.3m				40.4m			45.4m			50.5m					
	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	83°	75°	65°	83°	75°	65°			
22.0	9.8																															
24.0	9.8				9.6			5.8																								
26.0	9.8				9.6			5.8				5.3																				
28.0	9.8				9.6			5.8				5.3			4.6						3.4											
30.0	9.3				9.6			5.8				5.3			4.6						3.4				2.6							
32.0	8.9	9.4			9.4			5.8				5.3			4.6						3.4			2.6				1.9				
34.0	8.5	9.0			9.0	9.6		5.8				5.3			4.6						3.4			2.6				1.9				
36.0	8.2	8.6			8.6	9.2		5.8	5.8			5.3			4.6						3.4			2.6				1.9				
38.0	7.9	8.2			8.3	8.8		5.8	5.8			5.3	5.3		4.6						3.4			2.6				1.9				
40.0	7.6	7.9			7.9	8.4		5.8	5.8			5.3	5.3		4.6	4.6					3.4			2.6				1.9				
42.0	7.3	7.6			7.7	8.1		5.8	5.8			5.3	5.3		4.6	4.6					3.4	3.4		2.6				1.9				
44.0	7.0	7.3	7.7		7.4	7.8		5.8	5.8			5.3	5.3		4.6	4.6					3.4	3.4		2.6				1.9				
46.0	6.8	7.1	7.4		7.1	7.5		5.8	5.8			5.3	5.3		4.6	4.6					3.4	3.4		2.6	2.6			1.9				
48.0	6.6	6.9	7.2		6.9	7.3	7.7		5.8	5.8			5.3	5.3		4.6	4.6				3.4	3.4		2.6	2.6			1.9	1.9			
50.0	6.4	6.6	6.9		6.7	7.0	7.5		5.8	5.8	5.8		5.3	5.3		4.6	4.6				3.4	3.4		2.6	2.6			1.9	1.9			
54.0	6.1	6.3	6.5		6.4	6.6	7.0		5.8	5.8	5.8		5.3	5.3	5.3		4.6	4.6			3.4	3.4		2.6	2.6			1.9	1.9			
58.0	5.8	6.0	6.2	6.4	6.1	6.3	6.6	6.9	5.8	5.8	5.8		5.3	5.3	5.3		4.6	4.6	4.6		3.4	3.4	3.4	2.6	2.6			1.9	1.9			
62.0		5.8	5.9	6.1	5.9	6.0	6.2	6.5	5.8	5.8	5.8	5.8	5.3	5.3	5.3		4.6	4.6	4.6		3.4	3.4	3.4	2.6	2.6	2.6		1.9	1.9			
66.0			5.7	5.8		6.0	6.2		5.8	5.8	5.8		5.3	5.3	5.3		4.6	4.6			3.4	3.4		2.6	2.6			1.9	1.9			
70.0						6.0			5.8	5.8			5.3	5.3		4.6	4.3				3.4	3.4		2.6	2.6			1.9	1.9			
74.0									5.8				5.3	5.3		4.6	3.7				3.4	3.4		2.5				1.9	1.9			
78.0																	3.1							2.0				1.7	1.7			
82.0																									1.5							
θ (°)	5 to 53	5 to 48	5 to 42	5 to 26	5 to 60	5 to 45	5 to 36	5 to 27	5 to 58	5 to 51	5 to 40	5 to 30	5 to 56	5 to 47	5 to 34	5 to 23	5 to 54	5 to 43	5 to 38	5 to 25	5 to 51	5 to 48	5 to 32	5 to 26	5 to 48	5 to 43	5 to 34	5 to 46	5 to 39	5 to 29		
Standard hook block	11.3t																															
Hook block weight	440kg																															
Standard number of parts of line	1																															

Note) Counterweight 118t, outrigger extension width 8.0m

Luffing Jib + Extension Jib

Capacity LC 2.1m + 47m luffing jib + 25m extension jib

Unit: t

Boom length	15.0m				20.1m				25.1m				30.2m				35.3m				40.4m				45.4m			50.5m					
Boom elevating angle Load radius (m)	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	83°	75°	65°	83°	75°	65°
24.0	6.3				5.8																												
26.0	6.3				5.8				3.6				3.3																				
28.0	6.3				5.8				3.6				3.3				3.0																
30.0	6.3				5.8				3.6				3.3				3.0				2.1												
32.0	6.3				5.8				3.6				3.3				3.0				2.1				1.6								
34.0	6.3	6.3			5.8				3.6				3.3				3.0				2.1				1.6			1.3					
36.0	6.3	6.3			5.8	5.8			3.6				3.3				3.0				2.1				1.6			1.3					
38.0	6.3	6.3			5.8	5.8			3.6	3.6			3.3				3.0				2.1				1.6			1.3					
40.0	6.0	6.3			5.8	5.8			3.6	3.6			3.3	3.3			3.0				2.1				1.6			1.3					
42.0	5.7	6.1			5.8	5.8			3.6	3.6			3.3	3.3			3.0	3.0			2.1				1.6			1.3					
44.0	5.5	5.8			5.6	5.8			3.6	3.6			3.3	3.3			3.0	3.0			2.1	2.1			1.6			1.3					
46.0	5.2	5.5			5.3	5.7			3.6	3.6			3.3	3.3			3.0	3.0			2.1	2.1			1.6			1.3					
48.0	5.0	5.3	5.6		5.1	5.4			3.6	3.6			3.3	3.3			3.0	3.0			2.1	2.1			1.6	1.6		1.3					
50.0	4.8	5.0	5.3		4.9	5.2			3.6	3.6			3.3	3.3			3.0	3.0			2.1	2.1			1.6	1.6		1.3	1.3				
54.0	4.4	4.7	4.9		4.5	4.8	5.1		3.6	3.6	3.6		3.3	3.3			3.0	3.0			2.1	2.1			1.6	1.6		1.3	1.3				
58.0	4.1	4.3	4.5		4.2	4.4	4.7		3.6	3.6	3.6		3.3	3.3	3.3		3.0	3.0			2.1	2.1			1.6	1.6		1.3	1.3				
62.0	3.9	4.0	4.2	4.4	3.9	4.1	4.4		3.6	3.6	3.6		3.3	3.3	3.3		3.0	3.0	3.0		2.1	2.1	2.1		1.6	1.6		1.3	1.3				
66.0	3.6	3.8	3.9	4.1	3.7	3.9	4.1	4.3	3.6	3.6	3.6		3.3	3.3	3.3		3.0	3.0	3.0		2.1	2.1	2.1		1.6	1.6	1.6	1.3	1.3				
70.0		3.6	3.7	3.8	3.5	3.6	3.8	4.0	3.5	3.6	3.6	3.6	3.3	3.3	3.3	3.3	3.0	3.0	3.0		2.1	2.1	2.1		1.6	1.6	1.6	1.3	1.3	1.3			
74.0		3.4	3.5	3.6		3.4	3.6	3.8		3.5	3.6	3.6		3.3	3.3	3.3		3.0	3.0	3.0		2.1	2.1		1.6	1.6	1.6	1.3	1.3	1.3			
78.0				3.4			3.4	3.6			3.5	3.6		3.3	3.3	3.3		3.0	3.0	3.0		2.1	2.1	2.0		1.6	1.6		1.3	1.3			
82.0								3.4				3.5			3.3	3.3			3.0	2.6		2.1	1.6			1.6		1.3					
86.0															3.2					2.2		2.1				1.6							
90.0																					1.8												
θ (°)	5 to 54	5 to 61	5 to 42	5 to 37	5 to 61	5 to 56	5 to 47	5 to 40	5 to 59	5 to 52	5 to 41	5 to 31	5 to 58	5 to 60	5 to 46	5 to 34	5 to 56	5 to 54	5 to 40	5 to 36	5 to 53	5 to 50	5 to 42	5 to 15	5 to 58	5 to 45	5 to 36	5 to 55	5 to 49	5 to 20			
Standard hook block	11.3t																																
Hook block weight	440kg																																
Standard number of parts of life	1																																

Note) Counterweight 118t, outrigger extension width 8.0m

Capacity LD 2.1m + 47m luffing jib + 9m extension jib

Unit: t

Boom length Load radius (m)	15.0m				20.1m				25.1m				30.2m				35.3m			40.4m			45.4m			50.5m					
	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	83°	75°	65°	83°	75°	65°	83°	75°	65°	83°	75°	65°
18.0	16.8																														
20.0	16.8				14.9			9.0																							
22.0	16.8				14.9			9.0				7.9																			
24.0	16.4				14.9			9.0				7.9				6.9															
26.0	15.8				14.9			9.0				7.9			6.9			5.1													
28.0	15.2	15.9			14.9			9.0				7.9			6.9		5.1			4.0											
30.0	14.6	15.3			14.8	14.9		9.0				7.9			6.9		5.1		4.0								2.7				
32.0	13.9	14.7			14.1	14.9		9.0	9.0			7.9			6.9		5.1		4.0								2.7				
34.0	13.2	14.0			13.4	14.5		9.0	9.0			7.9	7.9		6.9		5.1		4.0								2.7				
36.0	12.6	13.3			12.8	13.7		9.0	9.0			7.9	7.9		6.9	6.9	5.1		4.0									2.7			
38.0	12.0	12.7			12.2	13.1		9.0	9.0			7.9	7.9		6.9	6.9	5.1		4.0									2.7			
40.0	11.5	12.1	12.9		11.7	12.5		9.0	9.0			7.9	7.9		6.9	6.9	5.1	5.1		4.0								2.7			
42.0	11.0	11.6	12.3		11.2	11.9	12.9	9.0	9.0			7.9	7.9		6.9	6.9	5.1	5.1		4.0	4.0							2.7			
44.0	10.6	11.1	11.8		10.7	11.4	12.3	9.0	9.0	9.0		7.9	7.9		6.9	6.9	5.1	5.1		4.0	4.0							2.7	2.7		
46.0	10.2	10.7	11.3		10.3	11.0	11.8	9.0	9.0	9.0		7.9	7.9		6.9	6.9	5.1	5.1		4.0	4.0							2.7	2.7		
48.0	9.9	10.3	10.8	11.4	10.0	10.5	11.3	9.0	9.0	9.0		7.9	7.9	7.9		6.9	6.9	5.1	5.1		4.0	4.0						2.7	2.7		
50.0	9.6	9.9	10.4	10.9	9.7	10.2	10.9	9.0	9.0	9.0		7.9	7.9	7.9		6.9	6.9	6.9	5.1	5.1		4.0	4.0					2.7	2.7		
54.0			9.7	10.1		9.5	10.1	9.8		9.0	9.0		7.9	7.9		6.9	6.9	5.1	5.1	5.1		4.0	4.0					2.7	2.7		
58.0				9.5			9.5	8.7			8.8	7.0		7.5		6.9	6.2		5.1	5.1		4.0	4.0					2.7			
62.0											6.1			6.5	4.3		5.3					4.3				3.2		2.7	2.3		
66.0															3.6							3.6				2.6				1.7	
θ (°)	5 to 52	5 to 39	5 to 32	5 to 25	5 to 50	5 to 45	5 to 36	5 to 19	5 to 49	5 to 41	5 to 31	5 to 21	5 to 47	5 to 38	5 to 34	5 to 22	5 to 44	5 to 42	5 to 28	5 to 49	5 to 37	5 to 30	5 to 46	5 to 34	5 to 25	5 to 44	5 to 38	5 to 20			
Standard hook block	25t								11.3t																						
Hook block weight	870kg								440kg																						
Standard number of parts of line	2								1																						

Note) Counterweight 98t, outrigger extension width 8.5m,
or counterweight 98t, outrigger extension width 8.0m

Capacity LD 2.1m + 47m luffing jib + 17m extension jib

Unit: t

Boom length Load radius (m)	15.0m				20.1m				25.1m				30.2m				35.3m			40.4m			45.4m			50.5m					
	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	83°	75°	65°	83°	75°	65°	83°	75°				
22.0	9.8																														
24.0	9.8				9.6			5.8																							
26.0	9.8				9.6			5.8				5.3																			
28.0	9.8				9.6			5.8				5.3			4.6				3.4												
30.0	9.3				9.6			5.8				5.3			4.6				3.4				2.6								
32.0	8.9	9.4			9.4			5.8				5.3			4.6				3.4			2.6							1.9		
34.0	8.5	9.0			9.0	9.6		5.8				5.3			4.6				3.4			2.6							1.9		
36.0	8.2	8.6			8.6	9.2		5.8	5.8			5.3			4.6				3.4			2.6							1.9		
38.0	7.9	8.2			8.3	8.8		5.8	5.8			5.3	5.3		4.6				3.4			2.6							1.9		
40.0	7.6	7.9			7.9	8.4		5.8	5.8			5.3	5.3		4.6	4.6			3.4			2.6							1.9		
42.0	7.3	7.6			7.7	8.1		5.8	5.8			5.3	5.3		4.6	4.6			3.4	3.4		2.6							1.9		
44.0	7.0	7.3	7.7		7.4	7.8		5.8	5.8			5.3	5.3		4.6	4.6			3.4	3.4		2.6							1.9		
46.0	6.8	7.1	7.4		7.1	7.5		5.8	5.8			5.3	5.3		4.6	4.6			3.4	3.4		2.6	2.6						1.9		
48.0	6.6	6.9	7.2		6.9	7.3	7.7		5.8	5.8			5.3	5.3		4.6	4.6			3.4	3.4		2.6	2.6					1.9	1.9	
50.0	6.4	6.6	6.9		6.7	7.0	7.5		5.8	5.8	5.8		5.3	5.3		4.6	4.6			3.4	3.4		2.6	2.6					1.9	1.9	
54.0	6.1	6.3	6.5		6.4	6.6	7.0		5.8	5.8	5.8		5.3	5.3	5.3		4.6	4.6			3.4	3.4		2.6	2.6				1.9	1.9	
58.0	5.8	6.0	6.2	6.4	6.1	6.3	6.6	6.9	5.8	5.8	5.8		5.3	5.3	5.3		4.6	4.6	4.6		3.4	3.4	3.4	2.6	2.6				1.9	1.9	
62.0		5.8	5.9	6.1	5.9	6.0	6.2	6.5	5.8	5.8	5.8	5.8	5.3	5.3	5.3		4.6	4.6	4.6		3.4	3.4	3.4	2.6	2.6	2.6			1.9	1.9	
66.0			5.7	5.8			6.0	6.2		5.8	5.8	5.7		5.3	5.3	4.1		4.6	4.6			3.4	3.4		2.6	2.6			1.9		
70.0							6.0			5.8	4.9			5.3	3.4			4.3	2.1			3.4	3.4		2.6	2.3			1.9		
74.0											4.2				2.8			3.7	1.6				2.8						1.8		
θ (°)	5 to 53	5 to 48	5 to 42	5 to 26	5 to 60	5 to 45	5 to 36	5 to 27	5 to 58	5 to 51	5 to 40	5 to 30	5 to 56	5 to 47	5 to 34	5 to 23	5 to 54	5 to 43	5 to 38	5 to 17	5 to 51	5 to 48	5 to 32	5 to 48	5 to 43	5 to 27	5 to 46	5 to 39			
Standard hook block									11.3t																						
Hook block weight									440kg																						
Standard number of parts of line									1																						

Note) Counterweight 98t, outrigger extension width 8.5m,
or counterweight 98t, outrigger extension width 8.0m

Luffing Jib + Extension Jib

Capacity LD 2.1m + 47m luffing jib + 25m extension jib

Unit: t

Boom length	15.0m				20.1m				25.1m				30.2m				35.3m			40.4m			45.4m			50.5m				
Boom elevating angle Load radius (m)	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	83°	75°	65°	83°	75°	65°	83°	75°	83°	75°	
24.0	6.3				5.8																									
26.0	6.3				5.8				3.6				3.3																	
28.0	6.3				5.8				3.6				3.3				3.0													
30.0	6.3				5.8				3.6				3.3				3.0				2.1									
32.0	6.3				5.8				3.6				3.3				3.0				2.1			1.6						
34.0	6.3	6.3			5.8				3.6				3.3				3.0				2.1			1.6				1.3		
36.0	6.3	6.3			5.8	5.8			3.6				3.3				3.0				2.1			1.6				1.3		
38.0	6.3	6.3			5.8	5.8			3.6	3.6			3.3				3.0				2.1			1.6				1.3		
40.0	6.0	6.3			5.8	5.8			3.6	3.6			3.3	3.3			3.0				2.1			1.6				1.3		
42.0	5.7	6.1			5.8	5.8			3.6	3.6			3.3	3.3			3.0	3.0			2.1			1.6				1.3		
44.0	5.5	5.8			5.6	5.8			3.6	3.6			3.3	3.3			3.0	3.0			2.1	2.1		1.6				1.3		
46.0	5.2	5.5			5.3	5.7			3.6	3.6			3.3	3.3			3.0	3.0			2.1	2.1		1.6				1.3		
48.0	5.0	5.3	5.6		5.1	5.4			3.6	3.6			3.3	3.3			3.0	3.0			2.1	2.1		1.6	1.6			1.3		
50.0	4.8	5.0	5.3		4.9	5.2			3.6	3.6			3.3	3.3			3.0	3.0			2.1	2.1		1.6	1.6			1.3	1.3	
54.0	4.4	4.7	4.9		4.5	4.8	5.1		3.6	3.6	3.6		3.3	3.3			3.0	3.0			2.1	2.1		1.6	1.6			1.3	1.3	
58.0	4.1	4.3	4.5		4.2	4.4	4.7		3.6	3.6	3.6		3.3	3.3	3.3		3.0	3.0			2.1	2.1		1.6	1.6			1.3	1.3	
62.0	3.9	4.0	4.2	4.4	3.9	4.1	4.4		3.6	3.6	3.6		3.3	3.3	3.3		3.0	3.0	3.0		2.1	2.1	2.1	1.6	1.6			1.3	1.3	
66.0	3.6	3.8	3.9	4.1	3.7	3.9	4.1	4.3	3.6	3.6	3.6		3.3	3.3	3.3		3.0	3.0	3.0		2.1	2.1	2.1	1.6	1.6	1.6		1.3	1.3	
70.0		3.6	3.7	3.8	3.5	3.6	3.8	4.0	3.5	3.6	3.6	3.6	3.3	3.3	3.3	3.3	3.0	3.0	3.0		2.1	2.1	2.1	1.6	1.6	1.6	1.3	1.3		
74.0		3.4	3.5	3.6		3.4	3.6	3.8		3.5	3.6	3.6		3.3	3.3	2.8		3.0	3.0		2.1	2.1	1.6	1.6	1.6	1.6	1.3	1.3		
78.0				3.4			3.4	3.6			3.5	3.6		3.3	3.3	2.3		3.0	3.0		2.1	2.1		1.6				1.3		
82.0								3.4					3.2			3.3	1.9						1.9						1.3	
86.0																	1.5						1.5							
$\theta (^{\circ})$	5 to 54	5 to 61	5 to 42	5 to 37	5 to 61	5 to 56	5 to 47	5 to 40	5 to 59	5 to 52	5 to 41	5 to 31	5 to 58	5 to 60	5 to 46	5 to 34	5 to 56	5 to 54	5 to 40	5 to 53	5 to 50	5 to 42	5 to 58	5 to 45	5 to 19	5 to 55	5 to 49			
Standard hook block																	11.3t													
Hook block weight																	440kg													
Standard number of parts of line																	1													

Note) Counterweight 98t, outrigger extension width 8.5m,
or counterweight 98t, outrigger extension width 8.0m

Capacity LE 2.1m + 47m luffing jib + 9m extension jib

Unit: t

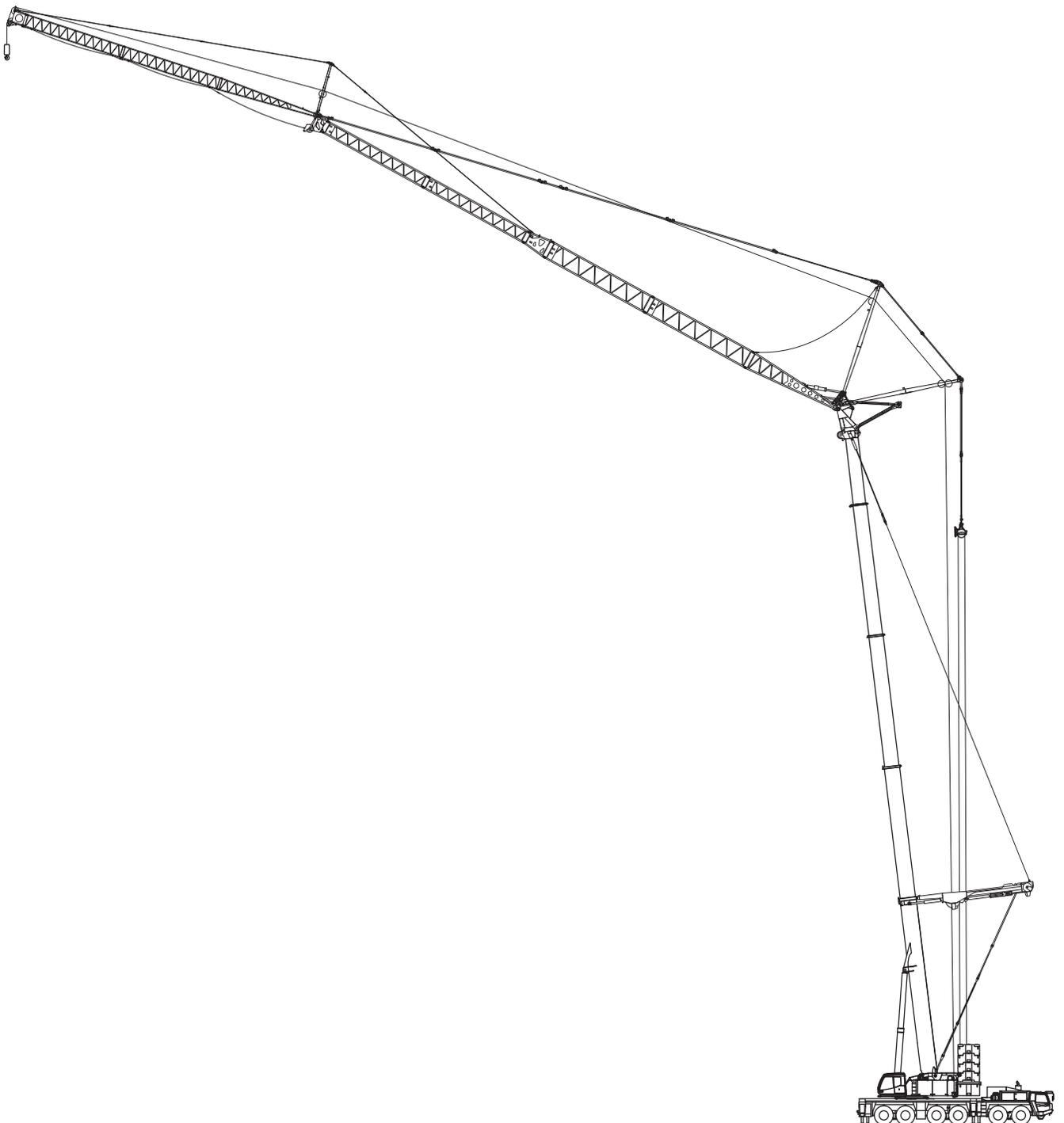
Boom length	15.0m				20.1m				25.1m				30.2m				35.3m			40.4m			45.4m		50.5m					
Boom elevating angle Load radius (m)	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	83°	75°	65°	83°	75°	65°	83°	75°	83°	75°					
18.0	16.8																													
20.0	16.8								9.0																					
22.0	16.8								9.0					7.9																
24.0	16.4								9.0					7.9				6.9												
26.0	15.8								9.0					7.9				6.9				5.1								
28.0	15.2	15.9							9.0					7.9				6.9				5.1			4.0					
30.0	14.6	15.3							14.8	14.9				9.0				6.9				5.1			4.0			2.7		
32.0	13.9	14.7							14.1	14.9				9.0	9.0			6.9				5.1			4.0			2.7		
34.0	13.2	14.0							13.4	14.5				9.0	9.0			6.9				5.1			4.0			2.7		
36.0	12.6	13.3							12.8	13.7				9.0	9.0			6.9	6.9			5.1			4.0			2.7		
38.0	12.0	12.7							12.2	13.1				9.0	9.0			6.9	6.9			5.1			4.0			2.7		
40.0	11.5	12.1	12.9						11.7	12.5				9.0	9.0			6.9	6.9			5.1	5.1		4.0			2.7		
42.0	11.0	11.6	12.3						11.2	11.9	12.9			9.0	9.0			6.9	6.9			5.1	5.1		4.0	4.0		2.7		
44.0	10.6	11.1	11.8						10.7	11.4	12.0			9.0	9.0	9.0		6.9	6.9			5.1	5.1		4.0	4.0		2.7	2.7	
46.0	10.2	10.7	11.3						10.3	11.0	11.1			9.0	9.0	9.0		6.9	6.9			5.1	5.1		4.0	4.0		2.7	2.7	
48.0	9.9	10.3	10.8	10.4					10.0	10.5	10.4			9.0	9.0	9.0		6.9	6.9			5.1	5.1		4.0	4.0		2.7	2.7	
50.0	9.6	9.9	10.4	9.7					9.7	10.2	9.7			9.0	9.0	8.5		6.9	6.9			5.3	5.1	5.1		4.0	4.0		2.7	2.7
54.0			9.4	8.5					9.5	8.5	7.1			9.0	7.3			6.9	4.3			5.1	5.1	3.2	4.0	4.0		2.7	2.7	
58.0				7.4						7.4	6.0				6.2	4.4			4.8			5.1	2.5		4.0			2.7		
62.0															3.6				4.0			2.8		1.8				2.7		
$\theta (^{\circ})$	5 to 52	5 to 39	5 to 32	5 to 25	5 to 50	5 to 45	5 to 36	5 to 19	5 to 49	5 to 41	5 to 31	5 to 21	5 to 47	5 to 38	5 to 34	5 to 44	5 to 42	5 to 28	5 to 49	5 to 37	5 to 23	5 to 46	5 to 34	5 to 44	5 to 38					
Standard hook block																	25t													
Hook block weight																	870kg													
Standard number of parts of line																	2													

Note) Counterweight 78t, outrigger extension width 8.5m,
or counterweight 78t, outrigger extension width 8.0m

ALL TERRAIN CRANE
ATF360G-6

TRA+ Luffing Jib

TRA+ Luffing Jib + Extension Jib

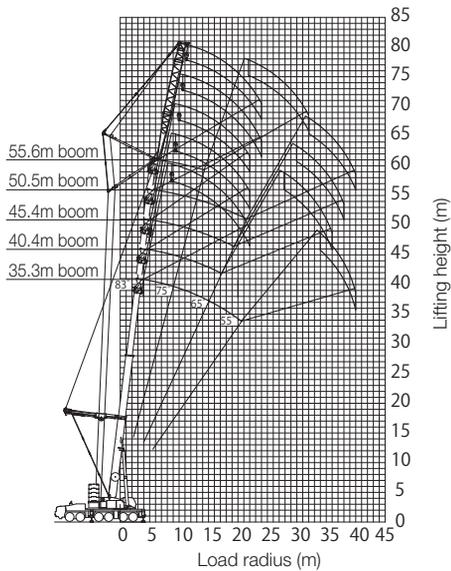


TRA
+LJ (+EJ)

TRA + Luffing Jib (+ Extension Jib)

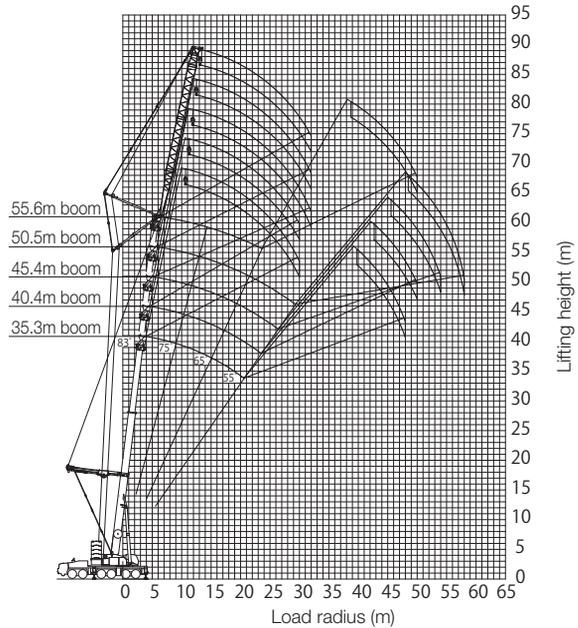
Working range chart for TRA + luffing jib (LJ)

TRA + 2.1m + 20m luffing jib



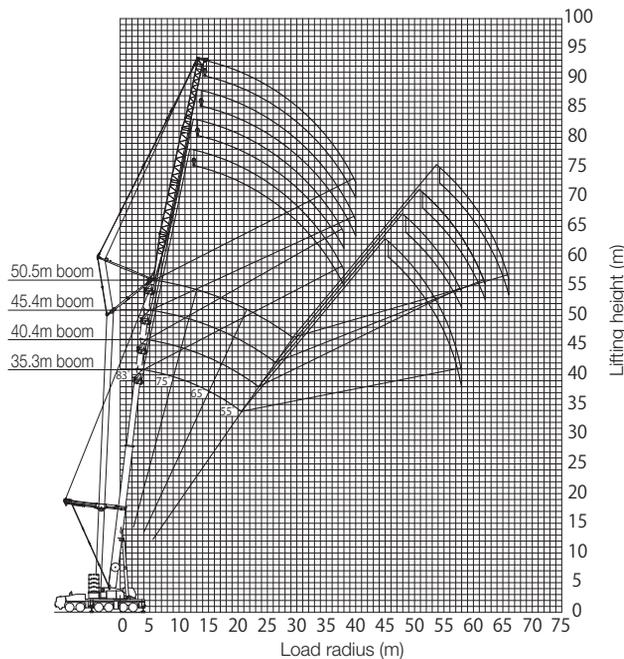
(Note) 1. The above drawing does not consider any boom and jib deflection.
2. The above drawing shows the maximum load radius for the capacity TLB.

TRA + 2.1m + 29m luffing jib



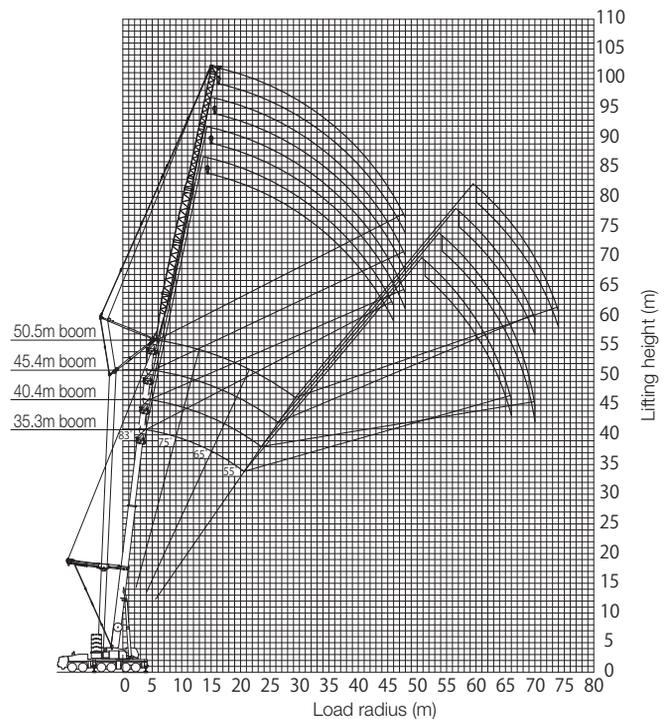
(Note) 1. The above drawing does not consider any boom and jib deflection.
2. The above drawing shows the maximum load radius for the capacity TLB.

TRA + 2.1m + 38m luffing jib



(Note) 1. The above drawing does not consider any boom and jib deflection.
2. The above drawing shows the maximum load radius for the capacity TLA.

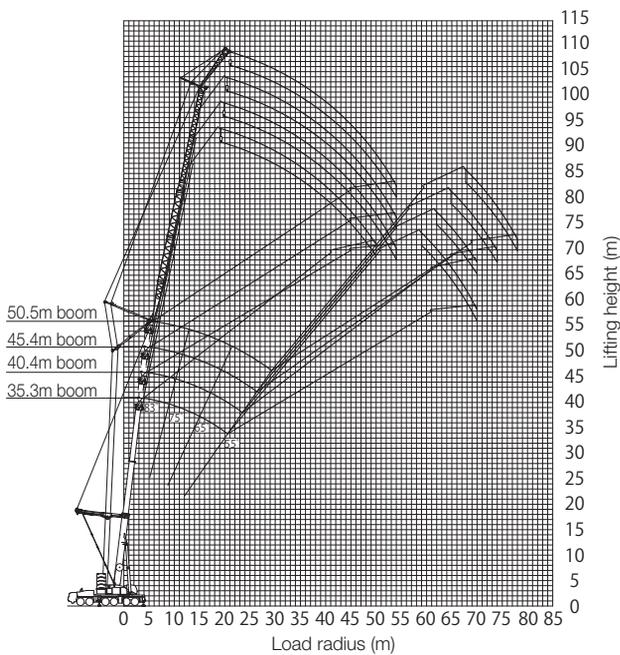
TRA + 2.1m + 47m luffing jib



(Note) 1. The above drawing does not consider any boom and jib deflection.
2. The above drawing shows the maximum load radius for the capacity TLA.

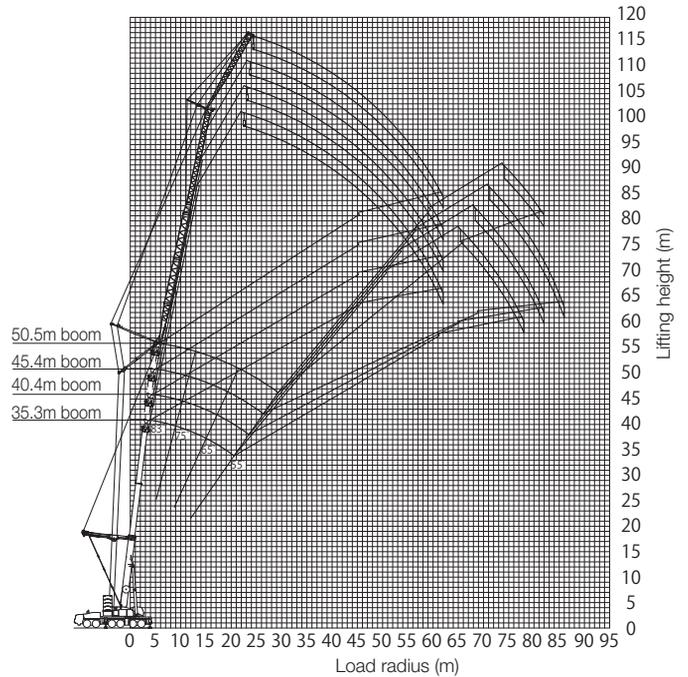
Working range chart for TRA + luffing jib (LJ) + extension jib (EJ)

TRA + 2.1m + 47m luffing jib + 9m extension jib



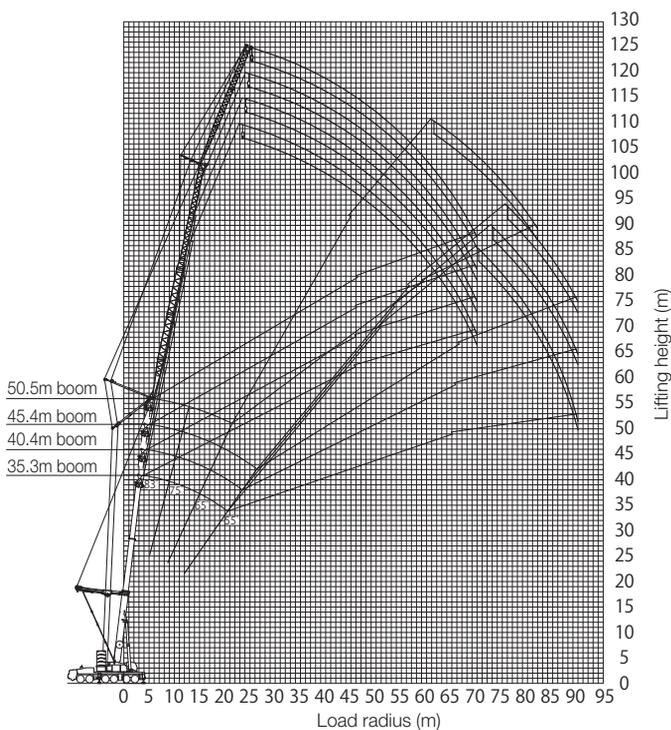
(Note) 1. The above drawing does not consider any boom and jib deflection.
 2. The above drawing shows the maximum load radius for the capacity TLA.

TRA + 2.1m + 47m luffing jib + 17m extension jib



(Note) 1. The above drawing does not consider any boom and jib deflection.
 2. The above drawing shows the maximum load radius for the capacity TLA.

TRA + 2.1m + 47m luffing jib + 25m extension jib



(Note) 1. The above drawing does not consider any boom and jib deflection.
 2. The above drawing shows the maximum load radius for the capacity TLA.

TRA + Luffing Jib (+ Extension Jib)

Rated lifting capacity table for TRA + luffing jib (LJ)

Rated lifting capacity table for TRA + luffing jib (LJ) + extension jib (EJ)

1. Capacity classifications TLA to TLF of the rated lifting capacity table are as follows in the table below.

Outrigger extension width	Counterweight	138 t	118 t	98 t	78 t	58 t
8.5 m		TLA	TLB	TLD	TLE	TLF
8.0 m			TLC	TLD	TLE	TLF
6.8 m					TLF	

2. The rated lifting capacity indicates the values including the mass of lifting devices and hook block (80t hook block: 1,270kg, 25t hook block: 870kg, 11.3t hook block: 440kg).

3. The rated lifting capacity is based on the actual load radius considering boom deflection.

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

Boom length	35.3 m	40.4 m	45.4 m	50.5 m	55.6 m
Telescopic section 1	90	90	90	90	90
Telescopic section 2	90	90	90	90	90
Telescopic section 3	0	45	90	90	90
Telescopic section 4	0	0	0	45	90

5. When the boom length is less than 35.3m, the capacity setting is not made.

Also when the B-pins (boom fixing pins) are not inserted, operation is not allowed.

6. When the number of parts of line used is less than the standard one specified in the rated lifting capacity table:

- The lower limit of the number of parts of line and the upper limit of the maximum load are as follows in the table below.

Jib length	20m	29m
Minimum number of parts of line	3	2
Maximum load	33.5t	22.5t

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

8. 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 10m/s or more.

9. Values above the thick line in the rated lifting capacity table 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.

10. " θ ($^{\circ}$)" indicates the jib offset angle range in which no-load operation is enabled.

TLA capacity TRA + 2.1m + 20m luffing jib

Unit: t

Boom length	35.3m			40.4m		45.4m		50.5m			55.6m	
Boom elevating angle	75°	65°	55°	75°	65°	75°	65°	83°	75°	65°	83°	75°
Load radius (m)												
16.0								11.9			7.5	
18.0								11.9			7.5	
20.0	34.6							11.9			7.5	
22.0	34.6			29.2				11.9			7.5	
24.0	34.6			29.2		18.8		11.9			7.5	
26.0	34.6			29.2		18.8		11.9				
28.0	33.8	30.7		29.2		18.8		11.9			7.5	
30.0		28.7				18.8		11.9			7.5	
32.0		26.9			25.1			11.9			7.5	
34.0		25.1			23.6		18.8					
36.0			20.4		22.2		18.8			11.9		
38.0			19.2				18.8			11.9		
40.0			18.0							11.9		
θ (°)	5 to 50	5 to 40	5 to 34	5 to 39	5 to 36	5 to 41	5 to 33	5 to 45	5 to 42	5 to 29	5 to 39	5 to 32
Standard hook block	80t			80t		25t						
Hook block weight	1270kg			1270kg		870kg						
Standard number of parts of line	4			3		3						

Note) Counterweight 138t, outrigger extension width 8.5m

TLA capacity TRA + 2.1m + 29m luffing jib

Unit: t

Boom length	35.3m			40.4m			45.4m				50.5m				55.6m				
Boom elevating angle	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	
Load radius (m)																			
16.0				20.3				13.4											
18.0				20.3				13.4				7.7					4.7		
20.0				20.3				13.4				7.7					4.7		
22.0	24.7			20.3				13.4				7.7					4.7		
24.0	24.7			20.3	20.3			13.4				7.7					4.7		
26.0	24.7			20.3	20.3			13.4	13.4			7.7					4.7		
28.0	24.7			20.3	20.3			13.4	13.4			7.7	7.7				4.7		
30.0	24.7			20.3	20.3			13.4	13.4			7.7	7.7				4.7	4.7	
32.0	24.5	24.7			20.3			13.4	13.4			7.7	7.7				4.7	4.7	
34.0	23.8	23.9			20.3				13.4				7.7					4.7	
36.0	22.8	22.5			20.3	20.3			13.4				7.7					4.7	
38.0		21.3			20.1	19.7			13.4	13.4			7.7					4.7	
40.0		20.1				18.6				13.4			7.7					4.7	
42.0		19.0	16.2			17.6				13.4				7.7				4.7	
44.0			15.3			16.7				13.4				7.7					4.7
46.0			14.4			15.9	13.2			13.4				7.7					4.7
48.0			13.7				12.5			13.4				7.7					4.7
50.0							11.9					10.6		7.7					4.7
54.0												9.6			7.7				
58.0															7.6				
θ (°)	5 to 49	5 to 39	5 to 32	5 to 49	5 to 50	5 to 48	5 to 26	5 to 52	5 to 43	5 to 44	5 to 29	5 to 48	5 to 43	5 to 41	5 to 33	5 to 44	5 to 44	5 to 30	
Standard hook block	25t			25t															
Hook block weight	870kg			870kg															
Standard number of parts of line	3			2															

Note) Counterweight 138t, outrigger extension width 8.5m

TRA + Luffing Jib (+ Extension Jib)

TLA capacity TRA + 2.1m + 38m luffing jib

Unit: t

Boom length	35.3m				40.4m				45.4m				50.5m			
Boom elevating angle Load radius (m)	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°
16.0	16.9															
18.0	16.9				13.4				9.0							
20.0	16.9				13.4				9.0				5.2			
22.0	16.9				13.4				9.0				5.2			
24.0	16.9				13.4				9.0				5.2			
26.0	16.9	16.9			13.4				9.0				5.2			
28.0	16.9	16.9			13.4	13.4			9.0				5.2			
30.0	16.9	16.9			13.4	13.4			9.0	9.0			5.2			
32.0	16.9	16.9			13.4	13.4			9.0	9.0			5.2	5.2		
34.0	16.7	16.9			13.4	13.4			9.0	9.0			5.2	5.2		
36.0	15.9	16.9			13.4	13.4			9.0	9.0			5.2	5.2		
38.0	15.2	16.9	16.9		13.4	13.4			9.0	9.0			5.2	5.2		
40.0		16.3	16.9			13.4	13.4		9.0	9.0			5.2	5.2		
42.0		15.6	16.9			13.4	13.4			9.0	9.0			5.2		
44.0		15.0	16.9			13.4	13.4			9.0	9.0			5.2		
46.0			16.4			13.4	13.4			9.0	9.0			5.2	5.2	
48.0			15.5	13.0			13.4			9.0	9.0			5.2	5.2	
50.0			14.7	12.3			13.4				9.0				5.2	
54.0				11.1			12.3	9.8			9.0					5.2
58.0				10.0				8.9							5.2	5.2
62.0													7.6			5.2
66.0													6.9			5.2
θ (°)	5 to 54	5 to 49	5 to 39	5 to 41	5 to 50	5 to 50	5 to 45	5 to 27	5 to 53	5 to 51	5 to 35	5 to 29	5 to 50	5 to 44	5 to 40	5 to 31
Standard hook block	25t															
Hook block weight	870kg															
Standard number of parts of tie	2															

Note) Counterweight 138t, outrigger extension width 8.5m

TLA capacity TRA + 2.1m + 47m luffing jib

Unit: t

Boom length	35.3m				40.4m				45.4m				50.5m			
Boom elevating angle Load radius (m)	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°
18.0	11.2				9.0											
20.0	11.2				9.0				6.2							
22.0	11.2				9.0				6.2				3.6			
24.0	11.2				9.0				6.2				3.6			
26.0	11.2				9.0				6.2				3.6			
28.0	11.2	11.2			9.0				6.2				3.6			
30.0	11.2	11.2			9.0	9.0			6.2				3.6			
32.0	11.2	11.2			9.0	9.0			6.2	6.2			3.6			
34.0	11.2	11.2			9.0	9.0			6.2	6.2			3.6	3.6		
36.0	11.2	11.2			9.0	9.0			6.2	6.2			3.6	3.6		
38.0	11.2	11.2			9.0	9.0			6.2	6.2			3.6	3.6		
40.0	11.2	11.2			9.0	9.0			6.2	6.2			3.6	3.6		
42.0	11.0	11.2	11.2		9.0	9.0			6.2	6.2			3.6	3.6		
44.0	10.4	11.2	11.2		9.0	9.0			6.2	6.2			3.6	3.6		
46.0	10.0	11.2	11.2		9.0	9.0	9.0		6.2	6.2			3.6	3.6		
48.0		10.7	11.2		9.0	9.0	9.0		6.2	6.2	6.2		3.6	3.6		
50.0		10.2	11.2			9.0	9.0			6.2	6.2			3.6	3.6	
54.0		9.4	10.8	10.0		9.0	9.0			6.2	6.2			3.6	3.6	
58.0			9.8	9.1			9.0	7.8			6.2			3.6	3.6	
62.0				8.2			9.0	7.0			6.2	5.7			3.6	
66.0				7.4				6.3			6.2	5.1			3.6	3.6
70.0								5.6				4.6				3.6
74.0																3.1
θ (°)	5 to 54	5 to 55	5 to 39	5 to 37	5 to 57	5 to 49	5 to 43	5 to 41	5 to 54	5 to 45	5 to 49	5 to 29	5 to 51	5 to 51	5 to 39	5 to 31
Standard hook block	25t															
Hook block weight	870kg															
Standard number of parts of tie	2															

Note) Counterweight 138t, outrigger extension width 8.5m

TLA capacity TRA + 2.1m + 47m luffing jib + 9m extension jib

Unit: t

Boom length	35.3m				40.4m				45.4m				50.5m			
Boom elevating angle Load radius (m)	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°
22.0	6.9															
24.0	6.9				5.1				4.0							
26.0	6.9				5.1				4.0				2.7			
28.0	6.9				5.1				4.0				2.7			
30.0	6.9				5.1				4.0				2.7			
32.0	6.9				5.1				4.0				2.7			
34.0	6.9	6.9			5.1				4.0				2.7			
36.0	6.9	6.9			5.1	5.1			4.0				2.7			
38.0	6.9	6.9			5.1	5.1			4.0	4.0			2.7			
40.0	6.9	6.9			5.1	5.1			4.0	4.0			2.7	2.7		
42.0	6.9	6.9			5.1	5.1			4.0	4.0			2.7	2.7		
44.0	6.9	6.9			5.1	5.1			4.0	4.0			2.7	2.7		
46.0	6.9	6.9			5.1	5.1			4.0	4.0			2.7	2.7		
48.0	6.9	6.9	6.9		5.1	5.1			4.0	4.0			2.7	2.7		
50.0	6.9	6.9	6.9		5.1	5.1			4.0	4.0			2.7	2.7		
54.0		6.9	6.9		5.1	5.1	5.1		4.0	4.0	4.0		2.7	2.7		
58.0		6.9	6.9			5.1	5.1			4.0	4.0			2.7	2.7	
62.0			6.9	6.9			5.1				4.0			2.7	2.7	
66.0				6.8			5.1	5.1			4.0				2.7	
70.0				6.1				5.0				3.9			2.7	
74.0												3.4				2.3
78.0																2.0
$\theta (^{\circ})$	5 to 44	5 to 42	5 to 28	5 to 23	5 to 50	5 to 39	5 to 31	5 to 17	5 to 48	5 to 35	5 to 26	5 to 18	5 to 46	5 to 39	5 to 29	5 to 19
Standard hook block	11.3t															
Hook block weight	440kg															
Standard number of parts of line	1															

Note) Counterweight 138t, outrigger extension width 8.5m

TLA capacity TRA + 2.1m + 47m luffing jib + 17m extension jib

Unit: t

Boom length	35.3m				40.4m				45.4m				50.5m			
Boom elevating angle Load radius (m)	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°
26.0	4.6															
28.0	4.6				3.4				2.6							
30.0	4.6				3.4				2.6				1.9			
32.0	4.6				3.4				2.6				1.9			
34.0	4.6				3.4				2.6				1.9			
36.0	4.6				3.4				2.6				1.9			
38.0	4.6	4.6			3.4				2.6				1.9			
40.0	4.6	4.6			3.4				2.6				1.9			
42.0	4.6	4.6			3.4	3.4			2.6	2.6			1.9			
44.0	4.6	4.6			3.4	3.4			2.6	2.6			1.9	1.9		
46.0	4.6	4.6			3.4	3.4			2.6	2.6			1.9	1.9		
48.0	4.6	4.6			3.4	3.4			2.6	2.6			1.9	1.9		
50.0	4.6	4.6			3.4	3.4			2.6	2.6			1.9	1.9		
54.0	4.6	4.6	4.6		3.4	3.4			2.6	2.6			1.9	1.9		
58.0	4.6	4.6	4.6		3.4	3.4	3.4		2.6	2.6			1.9	1.9		
62.0	4.6	4.6	4.6		3.4	3.4	3.4		2.6	2.6	2.6		1.9	1.9	1.9	
66.0		4.6	4.6			3.4	3.4			2.6	2.6			1.9	1.9	
70.0			4.6	4.6		3.4	3.4			2.6	2.6			1.9	1.9	
74.0				4.6	4.6		3.4	3.4			2.6	2.6			1.9	
78.0					4.6			3.4			2.6	2.6			1.9	1.8
82.0								3.4				2.5				1.5
86.0												2.1				
$\theta (^{\circ})$	5 to 53	5 to 43	5 to 37	5 to 24	5 to 51	5 to 48	5 to 32	5 to 26	5 to 49	5 to 44	5 to 35	5 to 27	5 to 47	5 to 40	5 to 30	5 to 14
Standard hook block	11.3t															
Hook block weight	440kg															
Standard number of parts of line	1															

Note) Counterweight 138t, outrigger extension width 8.5m

TRA + Luffing Jib (+ Extension Jib)

■ TLA capacity TRA + 2.1m + 47m luffing jib + 25m extension jib

Unit: t

Boom length	35.3m				40.4m				45.4m				50.5m		
Boom elevating angle Load radius (m)	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°
26.0	3.0														
28.0	3.0				2.1										
30.0	3.0				2.1				1.6				1.3		
32.0	3.0				2.1				1.6				1.3		
34.0	3.0				2.1				1.6				1.3		
36.0	3.0				2.1				1.6				1.3		
38.0	3.0				2.1				1.6				1.3		
40.0	3.0	3.0			2.1				1.6				1.3		
42.0	3.0	3.0			2.1				1.6				1.3		
44.0	3.0	3.0			2.1	2.1			1.6	1.6			1.3		
46.0	3.0	3.0			2.1	2.1			1.6	1.6			1.3	1.3	
48.0	3.0	3.0			2.1	2.1			1.6	1.6			1.3	1.3	
50.0	3.0	3.0			2.1	2.1			1.6	1.6			1.3	1.3	
54.0	3.0	3.0			2.1	2.1			1.6	1.6			1.3	1.3	
58.0	3.0	3.0	3.0		2.1	2.1			1.6	1.6			1.3	1.3	
62.0	3.0	3.0	3.0		2.1	2.1	2.1		1.6	1.6			1.3	1.3	
66.0	3.0	3.0	3.0		2.1	2.1	2.1		1.6	1.6	1.6		1.3	1.3	1.3
70.0	3.0	3.0	3.0		2.1	2.1	2.1		1.6	1.6	1.6		1.3	1.3	1.3
74.0		3.0	3.0	3.0		2.1	2.1			1.6	1.6			1.3	1.3
78.0		3.0	3.0	3.0		2.1	2.1	2.1		1.6	1.6			1.3	1.3
82.0			3.0	3.0			2.1	2.1			1.6	1.6		1.3	1.3
86.0				3.0			2.1	2.1			1.6	1.6			
90.0				3.0				2.1				1.6			
$\theta (^{\circ})$	5 to 55	5 to 53	5 to 39	5 to 35	5 to 53	5 to 49	5 to 42	5 to 27	5 to 51	5 to 46	5 to 37	5 to 22	5 to 49	5 to 50	5 to 26
Standard hook block	11.3t														
Hook block weight	440kg														
Standard number of parts of life	1														

Note) Counterweight 138t, outrigger extension width 8.5m

TLB capacity TRA + 2.1m + 20m luffing jib

Unit: t

Boom length Boom elevating angle Load radius (m)	35.3m				40.4m			45.4m			50.5m			55.6m		
	83°	75°	65°	55°	83°	75°	65°	83°	75°	65°	83°	75°	65°	83°	75°	
11.0	34.6															
12.0	34.6															
14.0	34.6				29.2			18.8								
16.0	34.6				29.2			18.8			11.9			7.5		
18.0	34.6				29.2			18.8			11.9			7.5		
20.0	34.6	34.6			29.2			18.8			11.9			7.5		
22.0	34.6	34.6			29.2	29.2		18.8			11.9			7.5		
24.0		34.6				29.2		18.8			11.9			7.5		
26.0		34.6				29.2		18.8			11.9					
28.0		33.6	29.1			29.2		18.8			11.9				7.5	
30.0			27.0					18.8			11.9				7.5	
32.0			25.2				24.0				11.9				7.5	
34.0			23.4				22.2			18.8						
36.0				18.2			20.6			18.8			11.9			
38.0				17.0						18.1			11.9			
40.0				15.8									11.9			
θ (°)	5 to 51	5 to 50	5 to 40	5 to 34	5 to 46	5 to 39	5 to 36	5 to 41	5 to 41	5 to 33	5 to 45	5 to 42	5 to 29	5 to 39	5 to 32	
Standard hook block	80t				80t			25t								
Hook block weight	1270kg				1270kg			870kg								
Standard number of parts of line	4				3			3								

Note) Counterweight 118t, outrigger extension width 8.5m

TLB capacity TRA + 2.1m + 29m luffing jib

Unit: t

Boom length Boom elevating angle Load radius (m)	35.3m				40.4m				45.4m				50.5m				55.6m			
	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	
14.0	24.7																			
16.0	24.7				20.3			13.4												
18.0	24.7				20.3			13.4					7.7					4.7		
20.0	24.7				20.3			13.4					7.7					4.7		
22.0	24.7	24.7			20.3			13.4					7.7					4.7		
24.0	24.7	24.7			20.3	20.3		13.4					7.7					4.7		
26.0	24.7	24.7			20.3	20.3		13.4	13.4				7.7					4.7		
28.0	24.1	24.7			20.3	20.3		13.4	13.4				7.7	7.7				4.7		
30.0	23.2	24.7			20.3	20.3		13.4	13.4				7.7	7.7				4.7	4.7	
32.0		24.5	24.3			20.3		13.4	13.4				7.7	7.7				4.7	4.7	
34.0		23.8	22.7			20.3			13.4				7.7	7.7				4.7	4.7	
36.0		22.8	21.1			20.3	19.8		13.4				7.7	7.7				4.7	4.7	
38.0			19.6			20.1	18.4		13.4	13.4			7.7	7.7				4.7	4.7	
40.0			18.3				17.2			13.4			7.7	7.7				4.7	4.7	
42.0			17.2	14.0			16.1			13.4				7.7	7.7			4.7	4.7	
44.0				13.2			15.1			13.4				7.7	7.7				4.7	4.7
46.0				12.3			14.2	11.1		13.3				7.7	7.7				4.7	4.7
48.0				11.6				10.4		12.5				7.7	7.7				4.7	4.7
50.0								9.8					8.5		7.7	7.7			4.7	4.7
54.0													7.4			6.3				
58.0																5.4				
θ (°)	5 to 53	5 to 49	5 to 39	5 to 32	5 to 49	5 to 50	5 to 48	5 to 26	5 to 52	5 to 43	5 to 44	5 to 29	5 to 48	5 to 43	5 to 41	5 to 33	5 to 44	5 to 44	5 to 30	
Standard hook block	25t								25t											
Hook block weight	870kg								870kg											
Standard number of parts of line	3								2											

Note) Counterweight 118t, outrigger extension width 8.5m

TRA + Luffing Jib (+ Extension Jib)

TLB capacity TRA + 2.1m + 38m luffing jib

Unit: t

Boom length	35.3m				40.4m				45.4m				50.5m			
Boom elevating angle	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°
Load radius (m)																
16.0	16.9															
18.0	16.9				13.4				9.0							
20.0	16.9				13.4				9.0				5.2			
22.0	16.9				13.4				9.0				5.2			
24.0	16.9				13.4				9.0				5.2			
26.0	16.9	16.9			13.4				9.0				5.2			
28.0	16.9	16.9			13.4	13.4			9.0				5.2			
30.0	16.9	16.9			13.4	13.4			9.0	9.0			5.2			
32.0	16.9	16.9			13.4	13.4			9.0	9.0			5.2	5.2		
34.0	16.7	16.9			13.4	13.4			9.0	9.0			5.2	5.2		
36.0	15.9	16.9			13.4	13.4			9.0	9.0			5.2	5.2		
38.0	15.2	16.9	16.9		13.4	13.4			9.0	9.0			5.2	5.2		
40.0		16.4	16.9			13.4	13.4		9.0	9.0			5.2	5.2		
42.0		15.6	16.6			13.4	13.4			9.0	9.0			5.2		
44.0		15.0	15.6			13.4	13.4			9.0	9.0			5.2		
46.0			14.7			13.4	13.4			9.0	9.0			5.2	5.2	
48.0			13.8	11.0			12.8			9.0	9.0			5.2	5.2	
50.0			13.0	10.3			12.1				9.0				5.2	
54.0				9.2			10.8	7.9			9.0					5.2
58.0				8.1				6.9				5.6			5.2	4.4
62.0												4.8				3.7
66.0																3.1
θ (°)	5 to 54	5 to 49	5 to 39	5 to 41	5 to 50	5 to 50	5 to 45	5 to 27	5 to 53	5 to 51	5 to 35	5 to 29	5 to 50	5 to 44	5 to 40	5 to 31
Standard hook block	25t															
Hook block weight	870kg															
Standard number of parts of tie	2															

Note) Counterweight 118t, outrigger extension width 8.5m

TLB capacity TRA + 2.1m + 47m luffing jib

Unit: t

Boom length	35.3m				40.4m				45.4m				50.5m			
Boom elevating angle	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	
Load radius (m)																
18.0	11.2				9.0											
20.0	11.2				9.0				6.2							
22.0	11.2				9.0				6.2				3.6			
24.0	11.2				9.0				6.2				3.6			
26.0	11.2				9.0				6.2				3.6			
28.0	11.2	11.2			9.0				6.2				3.6			
30.0	11.2	11.2			9.0	9.0			6.2				3.6			
32.0	11.2	11.2			9.0	9.0			6.2	6.2			3.6			
34.0	11.2	11.2			9.0	9.0			6.2	6.2			3.6	3.6		
36.0	11.2	11.2			9.0	9.0			6.2	6.2			3.6	3.6		
38.0	11.2	11.2			9.0	9.0			6.2	6.2			3.6	3.6		
40.0	11.2	11.2			9.0	9.0			6.2	6.2			3.6	3.6		
42.0	11.0	11.2	11.2		9.0	9.0			6.2	6.2			3.6	3.6		
44.0	10.4	11.2	11.2		9.0	9.0			6.2	6.2			3.6	3.6		
46.0	10.0	11.2	11.2		9.0	9.0	9.0		6.2	6.2			3.6	3.6		
48.0		10.7	11.2		9.0	9.0	9.0		6.2	6.2	6.2		3.6	3.6		
50.0		10.2	11.2			9.0	9.0			6.2	6.2			3.6	3.6	
54.0		9.4	10.8	8.3		9.0	9.0			6.2	6.2			3.6	3.6	
58.0			9.8	7.2			9.0	5.9			6.2			3.6	3.6	
62.0				6.3			8.0	5.1			6.2	3.8			3.6	
66.0				5.5				4.3			6.2	3.2			3.6	
70.0								3.7				2.6				
θ (°)	5 to 54	5 to 55	5 to 39	5 to 37	5 to 57	5 to 49	5 to 43	5 to 41	5 to 54	5 to 45	5 to 49	5 to 29	5 to 51	5 to 51	5 to 39	
Standard hook block	25t															
Hook block weight	870kg															
Standard number of parts of tie	2															

Note) Counterweight 118t, outrigger extension width 8.5m

TLB capacity TRA + 2.1m + 47m luffing jib + 9m extension jib

Unit: t

Boom length	35.3m				40.4m				45.4m				50.5m		
Boom elevating angle Load radius (m)	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°
22.0	6.9														
24.0	6.9				5.1				4.0						
26.0	6.9				5.1				4.0				2.7		
28.0	6.9				5.1				4.0				2.7		
30.0	6.9				5.1				4.0				2.7		
32.0	6.9				5.1				4.0				2.7		
34.0	6.9	6.9			5.1				4.0				2.7		
36.0	6.9	6.9			5.1	5.1			4.0				2.7		
38.0	6.9	6.9			5.1	5.1			4.0	4.0			2.7		
40.0	6.9	6.9			5.1	5.1			4.0	4.0			2.7	2.7	
42.0	6.9	6.9			5.1	5.1			4.0	4.0			2.7	2.7	
44.0	6.9	6.9			5.1	5.1			4.0	4.0			2.7	2.7	
46.0	6.9	6.9			5.1	5.1			4.0	4.0			2.7	2.7	
48.0	6.9	6.9	6.9		5.1	5.1			4.0	4.0			2.7	2.7	
50.0	6.9	6.9	6.9		5.1	5.1			4.0	4.0			2.7	2.7	
54.0		6.9	6.9		5.1	5.1	5.1		4.0	4.0	4.0		2.7	2.7	
58.0		6.9	6.9			5.1	5.1			4.0	4.0			2.7	2.7
62.0			6.9	5.9			5.1				4.0			2.7	2.7
66.0				5.0			5.1	3.9			4.0				2.7
70.0				4.3				3.2				2.0			2.7
74.0												1.5			
θ (°)	5 to 44	5 to 42	5 to 28	5 to 23	5 to 50	5 to 39	5 to 31	5 to 17	5 to 48	5 to 35	5 to 26	5 to 18	5 to 46	5 to 39	5 to 29
Standard hook block	11.3t														
Hook block weight	440kg														
Standard number of parts of line	1														

Note) Counterweight 118t, outrigger extension width 8.5m

TLB capacity TRA + 2.1m + 47m luffing jib + 17m extension jib

Unit: t

Boom length	35.3m				40.4m				45.4m			50.5m			
Boom elevating angle Load radius (m)	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	83°	75°	65°	
26.0	4.6														
28.0	4.6				3.4				2.6						
30.0	4.6				3.4				2.6			1.9			
32.0	4.6				3.4				2.6			1.9			
34.0	4.6				3.4				2.6			1.9			
36.0	4.6				3.4				2.6			1.9			
38.0	4.6	4.6			3.4				2.6			1.9			
40.0	4.6	4.6			3.4				2.6			1.9			
42.0	4.6	4.6			3.4	3.4			2.6	2.6		1.9			
44.0	4.6	4.6			3.4	3.4			2.6	2.6		1.9	1.9		
46.0	4.6	4.6			3.4	3.4			2.6	2.6		1.9	1.9		
48.0	4.6	4.6			3.4	3.4			2.6	2.6		1.9	1.9		
50.0	4.6	4.6			3.4	3.4			2.6	2.6		1.9	1.9		
54.0	4.6	4.6	4.6		3.4	3.4			2.6	2.6		1.9	1.9		
58.0	4.6	4.6	4.6		3.4	3.4	3.4		2.6	2.6		1.9	1.9		
62.0	4.6	4.6	4.6		3.4	3.4	3.4		2.6	2.6	2.6	1.9	1.9	1.9	
66.0		4.6	4.6			3.4	3.4			2.6	2.6		1.9	1.9	
70.0			4.6	4.5		3.4	3.4			2.6	2.6		1.9	1.9	
74.0			4.6	3.9			3.4	2.8			2.6			1.9	
78.0				3.3				2.3			2.6			1.9	
82.0								1.8							
θ (°)	5 to 53	5 to 43	5 to 37	5 to 24	5 to 51	5 to 48	5 to 32	5 to 26	5 to 49	5 to 44	5 to 35	5 to 47	5 to 40	5 to 30	
Standard hook block	11.3t														
Hook block weight	440kg														
Standard number of parts of line	1														

Note) Counterweight 118t, outrigger extension width 8.5m

TRA + Luffing Jib (+ Extension Jib)

TLB capacity TRA + 2.1m + 47m luffing jib + 25m extension jib

Unit: t

Boom length	35.3m				40.4m				45.4m			50.5m		
Boom elevating angle Load radius (m)	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	83°	75°	65°
26.0	3.0													
28.0	3.0				2.1									
30.0	3.0				2.1				1.6			1.3		
32.0	3.0				2.1				1.6			1.3		
34.0	3.0				2.1				1.6			1.3		
36.0	3.0				2.1				1.6			1.3		
38.0	3.0				2.1				1.6			1.3		
40.0	3.0	3.0			2.1				1.6			1.3		
42.0	3.0	3.0			2.1				1.6			1.3		
44.0	3.0	3.0			2.1	2.1			1.6	1.6		1.3		
46.0	3.0	3.0			2.1	2.1			1.6	1.6		1.3	1.3	
48.0	3.0	3.0			2.1	2.1			1.6	1.6		1.3	1.3	
50.0	3.0	3.0			2.1	2.1			1.6	1.6		1.3	1.3	
54.0	3.0	3.0			2.1	2.1			1.6	1.6		1.3	1.3	
58.0	3.0	3.0	3.0		2.1	2.1			1.6	1.6		1.3	1.3	
62.0	3.0	3.0	3.0		2.1	2.1	2.1		1.6	1.6		1.3	1.3	
66.0	3.0	3.0	3.0		2.1	2.1	2.1		1.6	1.6	1.6	1.3	1.3	1.3
70.0	3.0	3.0	3.0		2.1	2.1	2.1		1.6	1.6	1.6	1.3	1.3	1.3
74.0		3.0	3.0	3.0		2.1	2.1			1.6	1.6		1.3	1.3
78.0		3.0	3.0	3.0		2.1	2.1	2.1		1.6	1.6		1.3	1.3
82.0			3.0	2.8			2.1	1.8			1.6		1.3	1.3
86.0				2.3			2.1				1.6			
90.0				1.9										
$\theta (^{\circ})$	5 to 55	5 to 53	5 to 39	5 to 35	5 to 53	5 to 49	5 to 42	5 to 15	5 to 51	5 to 46	5 to 37	5 to 49	5 to 50	5 to 26
Standard hook block	11.3t													
Hook block weight	440kg													
Standard number of parts of life	1													

Note) Counterweight 118t, outrigger extension width 8.0m

TLC capacity TRA + 2.1m + 20m luffing jib

Unit: t

Boom length Boom elevating angle Load radius (m)	35.3m				40.4m			45.4m			50.5m			55.6m		
	83°	75°	65°	55°	83°	75°	65°	83°	75°	65°	83°	75°	65°	83°	75°	
11.0	34.6															
12.0	34.6															
14.0	34.6				29.2			18.8								
16.0	34.6				29.2			18.8			11.9			7.5		
18.0	34.6				29.2			18.8			11.9			7.5		
20.0	34.6	34.6			29.2			18.8			11.9			7.5		
22.0	34.6	34.6			29.2	29.2		18.8			11.9			7.5		
24.0		34.6				29.2		18.8			11.9			7.5		
26.0		34.6				29.2		18.8			11.9					
28.0		32.8	28.4			29.2		18.8			11.9				7.5	
30.0			26.3					18.8			11.9				7.5	
32.0			24.5				23.3				11.9				7.5	
34.0			22.8				21.7			18.8						
36.0				18.2			20.3			18.8			11.9			
38.0				17.0						18.1			11.9			
40.0				15.8									11.9			
θ (°)	5 to 51	5 to 50	5 to 40	5 to 34	5 to 46	5 to 39	5 to 36	5 to 41	5 to 41	5 to 33	5 to 45	5 to 42	5 to 29	5 to 39	5 to 32	
Standard hook block	80t				80t			25t								
Hook block weight	1270kg				1270kg			870kg								
Standard number of parts of rig	4				3			3								

Note) Counterweight 118t, outrigger extension width 8.0m

TLC capacity TRA + 2.1m + 29m luffing jib

Unit: t

Boom length Boom elevating angle Load radius (m)	35.3m				40.4m				45.4m				50.5m				55.6m			
	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	
14.0	24.7																			
16.0	24.7				20.3			13.4												
18.0	24.7				20.3			13.4					7.7					4.7		
20.0	24.7				20.3			13.4					7.7					4.7		
22.0	24.7	24.7			20.3			13.4					7.7					4.7		
24.0	24.7	24.7			20.3	20.3		13.4					7.7					4.7		
26.0	24.7	24.7			20.3	20.3		13.4	13.4				7.7					4.7		
28.0	24.1	24.7			20.3	20.3		13.4	13.4				7.7	7.7				4.7		
30.0	23.2	24.7			20.3	20.3		13.4	13.4				7.7	7.7				4.7	4.7	
32.0		24.5	23.6			20.3		13.4	13.4				7.7	7.7				4.7	4.7	
34.0		23.8	22.0			20.3			13.4				7.7					4.7		
36.0		22.8	20.6			20.3	19.4		13.4				7.7					4.7		
38.0			19.3			20.1	18.2		13.4	13.4			7.7					4.7		
40.0			18.2				17.1			13.4			7.7					4.7		
42.0			17.1	14.0			16.1			13.4				7.7				4.7		
44.0				13.2			15.1			13.4				7.7					4.7	
46.0				12.3			14.2	10.9		13.3				7.7					4.7	
48.0				11.6				10.2		12.5				7.7					4.7	
50.0								9.5					8.2						4.7	
54.0													7.1							5.9
58.0																				5.1
θ (°)	5 to 53	5 to 49	5 to 39	5 to 32	5 to 49	5 to 50	5 to 48	5 to 26	5 to 52	5 to 43	5 to 44	5 to 29	5 to 48	5 to 43	5 to 41	5 to 33	5 to 44	5 to 44	5 to 30	
Standard hook block	25t				25t															
Hook block weight	870kg				870kg															
Standard number of parts of rig	3				2															

Note) Counterweight 118t, outrigger extension width 8.0m

TRA + Luffing Jib (+ Extension Jib)

■ TLC capacity TRA + 2.1m + 38m luffing jib

Unit: t

Boom length	35.3m				40.4m				45.4m				50.5m			
Boom elevating angle Load radius (m)	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°
16.0	16.9															
18.0	16.9				13.4				9.0							
20.0	16.9				13.4				9.0				5.2			
22.0	16.9				13.4				9.0				5.2			
24.0	16.9				13.4				9.0				5.2			
26.0	16.9	16.9			13.4				9.0				5.2			
28.0	16.9	16.9			13.4	13.4			9.0				5.2			
30.0	16.9	16.9			13.4	13.4			9.0	9.0			5.2			
32.0	16.9	16.9			13.4	13.4			9.0	9.0			5.2	5.2		
34.0	16.7	16.9			13.4	13.4			9.0	9.0			5.2	5.2		
36.0	15.9	16.9			13.4	13.4			9.0	9.0			5.2	5.2		
38.0	15.2	16.9	16.9		13.4	13.4			9.0	9.0			5.2	5.2		
40.0		16.4	16.9			13.4	13.4		9.0	9.0			5.2	5.2		
42.0		15.6	16.6			13.4	13.4			9.0	9.0			5.2		
44.0		15.0	15.6			13.4	13.4			9.0	9.0			5.2		
46.0			14.7			13.4	13.4			9.0	9.0			5.2	5.2	
48.0			13.8	10.9			12.8			9.0	9.0			5.2	5.2	
50.0			13.0	10.2			12.1				9.0				5.2	
54.0				8.9			10.8	7.6				9.0				5.2
58.0				7.8				6.6					5.3			5.2
62.0													4.5			4.1
66.0																3.4
																2.8
θ (°)	5 to 54	5 to 49	5 to 39	5 to 41	5 to 50	5 to 50	5 to 45	5 to 27	5 to 53	5 to 51	5 to 35	5 to 29	5 to 50	5 to 44	5 to 40	5 to 31
Standard hook block	25t															
Hook block weight	870kg															
Standard number of parts of line	2															

Note) Counterweight 118t, outrigger extension width 8.0m

■ TLC capacity TRA + 2.1m + 47m luffing jib

Unit: t

Boom length	35.3m				40.4m				45.4m				50.5m			
Boom elevating angle Load radius (m)	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	
18.0	11.2				9.0											
20.0	11.2				9.0				6.2							
22.0	11.2				9.0				6.2				3.6			
24.0	11.2				9.0				6.2				3.6			
26.0	11.2				9.0				6.2				3.6			
28.0	11.2	11.2			9.0				6.2				3.6			
30.0	11.2	11.2			9.0	9.0			6.2				3.6			
32.0	11.2	11.2			9.0	9.0			6.2	6.2			3.6			
34.0	11.2	11.2			9.0	9.0			6.2	6.2			3.6	3.6		
36.0	11.2	11.2			9.0	9.0			6.2	6.2			3.6	3.6		
38.0	11.2	11.2			9.0	9.0			6.2	6.2			3.6	3.6		
40.0	11.2	11.2			9.0	9.0			6.2	6.2			3.6	3.6		
42.0	11.0	11.2	11.2		9.0	9.0			6.2	6.2			3.6	3.6		
44.0	10.4	11.2	11.2		9.0	9.0			6.2	6.2			3.6	3.6		
46.0	10.0	11.2	11.2		9.0	9.0	9.0		6.2	6.2			3.6	3.6		
48.0		10.7	11.2		9.0	9.0	9.0		6.2	6.2	6.2		3.6	3.6		
50.0		10.2	11.2			9.0	9.0			6.2	6.2			3.6	3.6	
54.0		9.4	10.8	8.0		9.0	9.0			6.2	6.2			3.6	3.6	
58.0			9.8	7.0			8.9	5.6			6.2			3.6	3.6	
62.0				6.1			7.8	4.8			6.2	3.5			3.6	
66.0				5.2				4.1			5.9	2.9			3.6	
70.0								3.4				2.3				
θ (°)	5 to 54	5 to 55	5 to 39	5 to 37	5 to 57	5 to 49	5 to 43	5 to 41	5 to 54	5 to 45	5 to 49	5 to 29	5 to 51	5 to 51	5 to 39	
Standard hook block	25t															
Hook block weight	870kg															
Standard number of parts of line	2															

Note) Counterweight 118t, outrigger extension width 8.0m

TLC capacity TRA + 2.1m + 47m luffing jib + 9m extension jib

Unit: t

Boom length	35.3m				40.4m				45.4m			50.5m		
Boom elevating angle Load radius (m)	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	83°	75°	65°
22.0	6.9													
24.0	6.9				5.1				4.0					
26.0	6.9				5.1				4.0			2.7		
28.0	6.9				5.1				4.0			2.7		
30.0	6.9				5.1				4.0			2.7		
32.0	6.9				5.1				4.0			2.7		
34.0	6.9	6.9			5.1				4.0			2.7		
36.0	6.9	6.9			5.1	5.1			4.0			2.7		
38.0	6.9	6.9			5.1	5.1			4.0	4.0		2.7		
40.0	6.9	6.9			5.1	5.1			4.0	4.0		2.7	2.7	
42.0	6.9	6.9			5.1	5.1			4.0	4.0		2.7	2.7	
44.0	6.9	6.9			5.1	5.1			4.0	4.0		2.7	2.7	
46.0	6.9	6.9			5.1	5.1			4.0	4.0		2.7	2.7	
48.0	6.9	6.9	6.9		5.1	5.1			4.0	4.0		2.7	2.7	
50.0	6.9	6.9	6.9		5.1	5.1			4.0	4.0		2.7	2.7	
54.0		6.9	6.9		5.1	5.1	5.1		4.0	4.0	4.0	2.7	2.7	
58.0		6.9	6.9			5.1	5.1			4.0	4.0		2.7	2.7
62.0			6.9	5.6			5.1				4.0		2.7	2.7
66.0				4.8			5.1	3.6			4.0			2.7
70.0				4.1				3.0						2.7
θ (°)	5 to 44	5 to 42	5 to 28	5 to 23	5 to 50	5 to 39	5 to 31	5 to 17	5 to 48	5 to 35	5 to 26	5 to 48	5 to 39	5 to 29
Standard hook block	11.3t													
Hook block weight	440kg													
Standard number of parts of line	1													

Note) Counterweight 118t, outrigger extension width 8.0m

TLC capacity TRA + 2.1m + 47m luffing jib + 17m extension jib

Unit: t

Boom length	35.3m				40.4m				45.4m			50.5m		
Boom elevating angle Load radius (m)	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	83°	75°	65°
26.0	4.6													
28.0	4.6				3.4				2.6					
30.0	4.6				3.4				2.6			1.9		
32.0	4.6				3.4				2.6			1.9		
34.0	4.6				3.4				2.6			1.9		
36.0	4.6				3.4				2.6			1.9		
38.0	4.6	4.6			3.4				2.6			1.9		
40.0	4.6	4.6			3.4				2.6			1.9		
42.0	4.6	4.6			3.4	3.4			2.6	2.6		1.9		
44.0	4.6	4.6			3.4	3.4			2.6	2.6		1.9	1.9	
46.0	4.6	4.6			3.4	3.4			2.6	2.6		1.9	1.9	
48.0	4.6	4.6			3.4	3.4			2.6	2.6		1.9	1.9	
50.0	4.6	4.6			3.4	3.4			2.6	2.6		1.9	1.9	
54.0	4.6	4.6	4.6		3.4	3.4			2.6	2.6		1.9	1.9	
58.0	4.6	4.6	4.6		3.4	3.4	3.4		2.6	2.6		1.9	1.9	
62.0	4.6	4.6	4.6		3.4	3.4	3.4		2.6	2.6	2.6	1.9	1.9	1.9
66.0		4.6	4.6			3.4	3.4			2.6	2.6		1.9	1.9
70.0			4.6	4.3		3.4	3.4			2.6	2.6		1.9	1.9
74.0			4.6	3.6			3.4	2.5			2.6			1.9
78.0				3.1				2.0			2.6			1.9
82.0								1.6						
θ (°)	5 to 53	5 to 43	5 to 37	5 to 24	5 to 51	5 to 48	5 to 32	5 to 26	5 to 49	5 to 44	5 to 35	5 to 47	5 to 40	5 to 30
Standard hook block	11.3t													
Hook block weight	440kg													
Standard number of parts of line	1													

Note) Counterweight 118t, outrigger extension width 8.0m

TRA + Luffing Jib (+ Extension Jib)

■ TLC capacity TRA + 2.1m + 47m luffing jib + 25m extension jib

Unit: t

Boom length	35.3m				40.4m				45.4m			50.5m		
Boom elevating angle Load radius (m)	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	83°	75°	65°
26.0	3.0													
28.0	3.0				2.1									
30.0	3.0				2.1				1.6			1.3		
32.0	3.0				2.1				1.6			1.3		
34.0	3.0				2.1				1.6			1.3		
36.0	3.0				2.1				1.6			1.3		
38.0	3.0				2.1				1.6			1.3		
40.0	3.0	3.0			2.1				1.6			1.3		
42.0	3.0	3.0			2.1				1.6			1.3		
44.0	3.0	3.0			2.1	2.1			1.6	1.6		1.3		
46.0	3.0	3.0			2.1	2.1			1.6	1.6		1.3	1.3	
48.0	3.0	3.0			2.1	2.1			1.6	1.6		1.3	1.3	
50.0	3.0	3.0			2.1	2.1			1.6	1.6		1.3	1.3	
54.0	3.0	3.0			2.1	2.1			1.6	1.6		1.3	1.3	
58.0	3.0	3.0	3.0		2.1	2.1			1.6	1.6		1.3	1.3	
62.0	3.0	3.0	3.0		2.1	2.1	2.1		1.6	1.6		1.3	1.3	
66.0	3.0	3.0	3.0		2.1	2.1	2.1		1.6	1.6	1.6	1.3	1.3	1.3
70.0	3.0	3.0	3.0		2.1	2.1	2.1		1.6	1.6	1.6	1.3	1.3	1.3
74.0		3.0	3.0	3.0		2.1	2.1			1.6	1.6		1.3	1.3
78.0		3.0	3.0	3.0		2.1	2.1	2.0		1.6	1.6		1.3	1.3
82.0			3.0	2.6			2.1	1.6			1.6		1.3	1.3
86.0				2.1			2.1				1.6			
90.0				1.7										
$\theta (^{\circ})$	5 to 55	5 to 53	5 to 39	5 to 35	5 to 53	5 to 49	5 to 42	5 to 15	5 to 51	5 to 46	5 to 37	5 to 49	5 to 50	5 to 26
Standard hook block	11.3t													
Hook block weight	440kg													
Standard number of parts of life	1													

Note) Counterweight 118t, outrigger extension width 8.0m

TLD capacity TRA + 2.1m + 20m luffing jib

Unit: t

Boom length Boom elevating angle Load radius (m)	35.3m				40.4m			45.4m			50.5m			55.6m		
	83°	75°	65°	55°	83°	75°	65°	83°	75°	65°	83°	75°	65°	83°	75°	
11.0	34.6															
12.0	34.6															
14.0	34.6				29.2			18.8								
16.0	34.6				29.2			18.8			11.9			7.5		
18.0	34.6				29.2			18.8			11.9			7.5		
20.0	34.6	34.6			29.2			18.8			11.9			7.5		
22.0	34.6	34.6			29.2	29.2		18.8			11.9			7.5		
24.0		34.6				29.2		18.8			11.9			7.5		
26.0		33.2				29.2		18.8			11.9					
28.0		30.2	25.1			29.1		18.8			11.9			7.5		
30.0			23.0					18.8			11.9			7.5		
32.0			21.1				19.7				11.9			7.5		
34.0			19.5				18.2			17.0						
36.0				14.5			16.8			15.8			11.9			
38.0				13.5						14.6			11.9			
40.0				12.4									11.9			
$\theta (^{\circ})$	5 to 51	5 to 50	5 to 40	5 to 34	5 to 46	5 to 39	5 to 36	5 to 41	5 to 41	5 to 33	5 to 45	5 to 42	5 to 29	5 to 39	5 to 32	
Standard hook block	80t				80t			25t								
Hook block weight	1270kg				1270kg			870kg								
Standard number of parts of line	4				3			3								

Note) Counterweight 98t, outrigger extension width 8.5m,
or counterweight 98t, outrigger extension width 8.0m

TLD capacity TRA + 2.1m + 29m luffing jib

Unit: t

Boom length Boom elevating angle Load radius (m)	35.3m				40.4m				45.4m				50.5m				55.6m			
	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	
14.0	24.7																			
16.0	24.7				20.3			13.4												
18.0	24.7				20.3			13.4					7.7					4.7		
20.0	24.7				20.3			13.4					7.7					4.7		
22.0	24.7	24.7			20.3			13.4					7.7					4.7		
24.0	24.7	24.7			20.3	20.3		13.4					7.7					4.7		
26.0	24.7	24.7			20.3	20.3		13.4	13.4				7.7					4.7		
28.0	24.1	24.7			20.3	20.3		13.4	13.4				7.7	7.7				4.7		
30.0	23.2	24.7			20.3	20.3		13.4	13.4				7.7	7.7				4.7	4.7	
32.0		24.5	20.3			20.3		13.4	13.4				7.7	7.7				4.7	4.7	
34.0		23.1	18.7			20.3			13.4				7.7					4.7		
36.0		21.4	17.4			20.3	16.1		13.4				7.7					4.7		
38.0			16.1			19.1	14.9		13.4	13.4			7.7					4.7		
40.0			15.0				13.9			12.8			7.7					4.7		
42.0			14.0	10.6			13.0			11.9				7.7				4.7		
44.0				9.8			12.1			11.0				7.7					4.7	
46.0				9.1			11.3	7.5		10.2				7.7					4.7	
48.0				8.4				6.9		9.5				7.7					4.7	
50.0								6.4					5.1					7.7		4.7
54.0													4.2						3.1	
58.0																			2.4	
$\theta (^{\circ})$	5 to 53	5 to 49	5 to 39	5 to 32	5 to 49	5 to 50	5 to 48	5 to 26	5 to 52	5 to 43	5 to 44	5 to 29	5 to 48	5 to 43	5 to 41	5 to 33	5 to 44	5 to 44	5 to 30	
Standard hook block	25t				25t															
Hook block weight	870kg				870kg															
Standard number of parts of line	3				2															

Note) Counterweight 98t, outrigger extension width 8.5m,
or counterweight 98t, outrigger extension width 8.0m

TRA
+ LJ (+EJ)

TRA + Luffing Jib (+ Extension Jib)

■ TLD capacity TRA + 2.1m + 38m luffing jib

Unit: t

Boom length	35.3m				40.4m				45.4m				50.5m		
Boom elevating angle	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°
Load radius (m)															
16.0	16.9														
18.0	16.9				13.4				9.0						
20.0	16.9				13.4				9.0				5.2		
22.0	16.9				13.4				9.0				5.2		
24.0	16.9				13.4				9.0				5.2		
26.0	16.9	16.9			13.4				9.0				5.2		
28.0	16.9	16.9			13.4	13.4			9.0				5.2		
30.0	16.9	16.9			13.4	13.4			9.0	9.0			5.2		
32.0	16.9	16.9			13.4	13.4			9.0	9.0			5.2	5.2	
34.0	16.7	16.9			13.4	13.4			9.0	9.0			5.2	5.2	
36.0	15.9	16.9			13.4	13.4			9.0	9.0			5.2	5.2	
38.0	15.2	16.9	15.5		13.4	13.4			9.0	9.0			5.2	5.2	
40.0		16.4	14.5			13.4	13.2		9.0	9.0			5.2	5.2	
42.0		15.6	13.5			13.4	12.4			9.0	9.0			5.2	
44.0		15.0	12.6			13.4	11.5			9.0	9.0			5.2	
46.0			11.8			13.4	10.7			9.0	9.0			5.2	5.2
48.0			11.1	7.6			9.9			9.0	8.7			5.2	5.2
50.0			10.4	7.1			9.3				8.0				5.2
54.0				6.1			8.0	4.7			6.9				5.2
58.0				5.1				3.9				2.6			5.1
62.0												2.0			
$\theta (^{\circ})$	5 to 54	5 to 49	5 to 39	5 to 41	5 to 50	5 to 50	5 to 45	5 to 27	5 to 53	5 to 51	5 to 35	5 to 29	5 to 50	5 to 44	5 to 40
Standard hook block	25t														
Hook block weight	870kg														
Standard number of parts of tie	2														

Note) Counterweight 98t, outrigger extension width 8.5m,
or counterweight 98t, outrigger extension width 8.0m

■ TLD capacity TRA + 2.1m + 47m luffing jib

Unit: t

Boom length	35.3m				40.4m				45.4m			50.5m			
Boom elevating angle	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	83°	75°	65°	
Load radius (m)															
18.0	11.2				9.0										
20.0	11.2				9.0				6.2						
22.0	11.2				9.0				6.2			3.6			
24.0	11.2				9.0				6.2			3.6			
26.0	11.2				9.0				6.2			3.6			
28.0	11.2	11.2			9.0				6.2			3.6			
30.0	11.2	11.2			9.0	9.0			6.2			3.6			
32.0	11.2	11.2			9.0	9.0			6.2	6.2		3.6			
34.0	11.2	11.2			9.0	9.0			6.2	6.2		3.6	3.6		
36.0	11.2	11.2			9.0	9.0			6.2	6.2		3.6	3.6		
38.0	11.2	11.2			9.0	9.0			6.2	6.2		3.6	3.6		
40.0	11.2	11.2			9.0	9.0			6.2	6.2		3.6	3.6		
42.0	11.0	11.2	11.2		9.0	9.0			6.2	6.2		3.6	3.6		
44.0	10.4	11.2	11.2		9.0	9.0			6.2	6.2		3.6	3.6		
46.0	10.0	11.2	11.1		9.0	9.0	9.0		6.2	6.2		3.6	3.6		
48.0		10.7	10.3		9.0	9.0	9.0		6.2	6.2	6.2	3.6	3.6		
50.0		10.2	9.6			9.0	8.4			6.2	6.2		3.6	3.6	
54.0		9.4	8.3	5.1		9.0	7.2			6.2	6.0		3.6	3.6	
58.0			7.2	4.3			6.2	3.0			5.1		3.6	3.6	
62.0				3.6			5.3	2.3			4.3			3.4	
66.0				2.9							3.6			2.8	
$\theta (^{\circ})$	5 to 54	5 to 55	5 to 39	5 to 37	5 to 57	5 to 49	5 to 43	5 to 18	5 to 54	5 to 45	5 to 49	5 to 51	5 to 51	5 to 39	
Standard hook block	25t														
Hook block weight	870kg														
Standard number of parts of tie	2														

Note) Counterweight 98t, outrigger extension width 8.5m,
or counterweight 98t, outrigger extension width 8.0m

TLD capacity TRA + 2.1m + 47m luffing jib + 9m extension jib

Unit: t

Boom length Boom elevating angle Load radius (m)	35.3m				40.4m			45.4m			50.5m		
	83°	75°	65°	55°	83°	75°	65°	83°	75°	65°	83°	75°	65°
22.0	6.9												
24.0	6.9				5.1			4.0					
26.0	6.9				5.1			4.0			2.7		
28.0	6.9				5.1			4.0			2.7		
30.0	6.9				5.1			4.0			2.7		
32.0	6.9				5.1			4.0			2.7		
34.0	6.9	6.9			5.1			4.0			2.7		
36.0	6.9	6.9			5.1	5.1		4.0			2.7		
38.0	6.9	6.9			5.1	5.1		4.0	4.0		2.7		
40.0	6.9	6.9			5.1	5.1		4.0	4.0		2.7	2.7	
42.0	6.9	6.9			5.1	5.1		4.0	4.0		2.7	2.7	
44.0	6.9	6.9			5.1	5.1		4.0	4.0		2.7	2.7	
46.0	6.9	6.9			5.1	5.1		4.0	4.0		2.7	2.7	
48.0	6.9	6.9	6.9		5.1	5.1		4.0	4.0		2.7	2.7	
50.0	6.9	6.9	6.9		5.1	5.1		4.0	4.0		2.7	2.7	
54.0		6.9	6.9		5.1	5.1	5.1	4.0	4.0	4.0	2.7	2.7	
58.0		6.9	6.9			5.1	5.1		4.0	4.0		2.7	2.7
62.0			6.0	3.1			5.0			3.9		2.7	2.7
66.0				2.5			4.2			3.2			2.4
70.0				1.9									1.8
θ (°)	5 to 44	5 to 42	5 to 28	5 to 23	5 to 50	5 to 39	5 to 31	5 to 48	5 to 35	5 to 26	5 to 46	5 to 39	5 to 29
Standard hook block	11.3t												
Hook block weight	440kg												
Standard number of parts of tie	1												

Note) Counterweight 98t, outrigger extension width 8.5m,
or counterweight 98t, outrigger extension width 8.0m

TRA + Luffing Jib (+ Extension Jib)

■ TLE capacity TRA + 2.1m + 20m luffing jib

Unit: t

Boom length	35.3m				40.4m			45.4m			50.5m			55.6m		
Boom elevating angle	83°	75°	65°	55°	83°	75°	65°	83°	75°	65°	83°	75°	65°	83°	75°	
Load radius (m)																
11.0	34.6															
12.0	34.6															
14.0	34.6				29.2			18.8								
16.0	34.6				29.2			18.8			11.9			7.5		
18.0	34.6				29.2			18.8			11.9			7.5		
20.0	34.6	34.6			29.2			18.8			11.9			7.5		
22.0	34.6	34.6			29.2	29.2		18.8			11.9			7.5		
24.0		31.0				29.2			18.8		11.9			7.5		
26.0		27.9				26.7			18.8			11.9				
28.0		25.2	20.1			24.1			18.8			11.9			7.5	
30.0			18.3						18.8			11.9			7.5	
32.0			16.7				15.3					11.9			7.5	
34.0			15.3				14.0			12.7						
36.0				10.1			12.9			11.6			10.2			
38.0				9.3						10.6			9.4			
40.0				8.4									8.6			
θ (°)	5 to 51	5 to 50	5 to 40	5 to 34	5 to 46	5 to 39	5 to 36	5 to 41	5 to 41	5 to 33	5 to 45	5 to 42	5 to 29	5 to 39	5 to 32	
Standard hook block	80t				80t			25t								
Hook block weight	1270kg				1270kg			870kg								
Standard number of parts of line	4				3			3								

Note) Counterweight 78t, outrigger extension width 8.5m,
or counterweight 78t, outrigger extension width 8.0m

■ TLE capacity TRA + 2.1m + 29m luffing jib

Unit: t

Boom length	35.3m				40.4m				45.4m			50.5m			55.6m		
Boom elevating angle	83°	75°	65°	55°	83°	75°	65°	55°	83°	75°	65°	83°	75°	65°	83°	75°	65°
Load radius (m)																	
14.0	24.7																
16.0	24.7				20.3				13.4								
18.0	24.7				20.3				13.4			7.7			4.7		
20.0	24.7				20.3				13.4			7.7			4.7		
22.0	24.7	24.7			20.3				13.4			7.7			4.7		
24.0	24.7	24.7			20.3	20.3			13.4			7.7			4.7		
26.0	24.7	24.7			20.3	20.3			13.4	13.4		7.7			4.7		
28.0	24.1	24.7			20.3	20.3			13.4	13.4		7.7	7.7		4.7		
30.0	23.2	22.5			20.3	20.3			13.4	13.4		7.7	7.7		4.7	4.7	
32.0		20.6	15.9			19.6			13.4	13.4		7.7	7.7		4.7	4.7	
34.0		19.0	14.6			18.0				13.4			7.7			4.7	
36.0		17.5	13.5			16.6	12.0			13.4			7.7			4.7	
38.0			12.4			15.4	11.0			13.4	9.6		7.7			4.7	
40.0			11.5				10.2				8.8		7.7			4.7	
42.0			10.7	6.8			9.3				8.1			6.8		4.7	
44.0				6.2			8.6				7.4			6.3			4.7
46.0				5.7			7.9	4.1			6.8			5.7			4.6
48.0				5.1				3.7			6.2			5.2			4.1
50.0								3.3						4.7			3.7
θ (°)	5 to 53	5 to 49	5 to 39	5 to 32	5 to 49	5 to 50	5 to 48	5 to 26	5 to 52	5 to 43	5 to 44	5 to 48	5 to 43	5 to 41	5 to 44	5 to 44	5 to 30
Standard hook block	25t				25t												
Hook block weight	870kg				870kg												
Standard number of parts of line	3				2												

Note) Counterweight 78t, outrigger extension width 8.5m,
or counterweight 78t, outrigger extension width 8.0m

TLE capacity TRA + 2.1m + 38m luffing jib

Unit: t

Boom length	35.3m				40.4m			45.4m			50.4m		
Boom elevating angle Load radius (m)	83°	75°	65°	55°	83°	75°	65°	83°	75°	65°	83°	75°	65°
16.0	16.9												
18.0	16.9				13.4			9.0					
20.0	16.9				13.4			9.0			5.2		
22.0	16.9				13.4			9.0			5.2		
24.0	16.9				13.4			9.0			5.2		
26.0	16.9	16.9			13.4			9.0			5.2		
28.0	16.9	16.9			13.4	13.4		9.0			5.2		
30.0	16.9	16.9			13.4	13.4		9.0	9.0		5.2		
32.0	16.9	16.9			13.4	13.4		9.0	9.0		5.2	5.2	
34.0	16.7	16.9			13.4	13.4		9.0	9.0		5.2	5.2	
36.0	15.9	16.9			13.4	13.4		9.0	9.0		5.2	5.2	
38.0	15.2	15.9	11.8		13.4	13.4		9.0	9.0		5.2	5.2	
40.0		14.7	10.9			13.4	9.4	9.0	9.0		5.2	5.2	
42.0		13.7	10.0			13.0	8.6		9.0	7.1		5.2	
44.0		12.8	9.3			12.1	7.9		9.0	6.5		5.2	
46.0			8.6			11.3	7.3		9.0	5.9		5.2	4.7
48.0			7.9	4.4			6.7		9.0	5.4		5.2	4.2
50.0			7.3	4.0			6.1			4.9			3.8
54.0				3.2			5.2			4.1			3.1
58.0				2.5									2.4
θ (°)	5 to 54	5 to 49	5 to 39	5 to 41	5 to 50	5 to 50	5 to 45	5 to 53	5 to 51	5 to 35	5 to 50	5 to 44	5 to 40
Standard hook block	25t												
Hook block weight	870kg												
Standard number of parts of line	2												

Note) Counterweight 78t, outrigger extension width 8.5m,
or counterweight 78t, outrigger extension width 8.0m

TLE capacity TRA + 2.1m + 47m luffing jib

Unit: t

Boom length	35.3m			40.4m			45.4m			50.5m		
Boom elevating angle Load radius (m)	83°	75°	65°	83°	75°	65°	83°	75°	65°	83°	75°	65°
18.0	11.2			9.0								
20.0	11.2			9.0			6.2					
22.0	11.2			9.0			6.2			3.6		
24.0	11.2			9.0			6.2			3.6		
26.0	11.2			9.0			6.2			3.6		
28.0	11.2	11.2		9.0			6.2			3.6		
30.0	11.2	11.2		9.0	9.0		6.2			3.6		
32.0	11.2	11.2		9.0	9.0		6.2	6.2		3.6		
34.0	11.2	11.2		9.0	9.0		6.2	6.2		3.6	3.6	
36.0	11.2	11.2		9.0	9.0		6.2	6.2		3.6	3.6	
38.0	11.2	11.2		9.0	9.0		6.2	6.2		3.6	3.6	
40.0	11.2	11.2		9.0	9.0		6.2	6.2		3.6	3.6	
42.0	11.0	11.2	9.1	9.0	9.0		6.2	6.2		3.6	3.6	
44.0	10.4	11.2	8.3	9.0	9.0		6.2	6.2		3.6	3.6	
46.0	10.0	11.2	7.7	9.0	9.0	6.3	6.2	6.2		3.6	3.6	
48.0		10.7	7.0	9.0	9.0	5.7	6.2	6.2	4.4	3.6	3.6	
50.0		10.0	6.5		9.0	5.2		6.2	3.9		3.6	2.8
54.0		8.8	5.5		8.1	4.3		6.2	3.2		3.6	2.1
58.0			4.6			3.6			2.5		3.6	
62.0						2.9			1.9			
θ (°)	5 to 54	5 to 55	5 to 39	5 to 57	5 to 49	5 to 43	5 to 54	5 to 45	5 to 36	5 to 51	5 to 51	5 to 15
Standard hook block	25t											
Hook block weight	870kg											
Standard number of parts of line	2											

Note) Counterweight 78t, outrigger extension width 8.5m,
or counterweight 78t, outrigger extension width 8.0m

TRA + Luffing Jib (+ Extension Jib)

TLF capacity TRA + 2.1m + 20m luffing jib

Unit: t

Boom length	35.3m				40.4m			45.4m			50.5m			55.6m	
Boom elevating angle Load radius (m)	83°	75°	65°	55°	83°	75°	65°	83°	75°	65°	83°	75°	65°	83°	75°
11.0	34.6														
12.0	34.6														
14.0	34.6				29.2			18.8							
16.0	34.6				29.2			18.8			11.9			7.5	
18.0	34.6				29.2			18.8			11.9			7.5	
20.0	34.6	31.6			29.2			18.8			11.9			7.5	
22.0	32.7	27.7			29.2	26.2		18.8			11.9			7.5	
24.0		24.6				23.3		18.8			11.9			7.5	
26.0		22.0				20.8		18.8			11.9				
28.0		19.9	14.7			18.8		17.8			11.9				7.5
30.0			13.3					16.1			11.9				7.5
32.0			12.1				10.4				11.9				7.5
34.0			11.0				9.4			7.9					
36.0				5.6			8.5			7.1			5.7		
38.0				5.0					6.4				5.1		
40.0				4.4									4.6		
θ (°)	5 to 51	5 to 50	5 to 40	5 to 34	5 to 46	5 to 39	5 to 36	5 to 41	5 to 41	5 to 33	5 to 45	5 to 42	5 to 29	5 to 39	5 to 32
Standard hook block	80t				80t			25t							
Hook block weight	1270kg				1270kg			870kg							
Standard number of parts of tie	4				3			3							

Note) Counterweight 78t, outrigger extension width 6.8m,
or counterweight 58t, outrigger extension width 8.5m,
or counterweight 58t, outrigger extension width 8.0m

TLF capacity TRA + 2.1m + 29m luffing jib

Unit: t

Boom length	35.3m				40.4m			45.4m			50.5m			55.6m	
Boom elevating angle Load radius (m)	83°	75°	65°	55°	83°	75°	65°	83°	75°	65°	83°	75°	65°	83°	75°
14.0	24.7														
16.0	24.7				20.3			13.4							
18.0	24.7				20.3			13.4			7.7			4.7	
20.0	24.7				20.3			13.4			7.7			4.7	
22.0	24.7	24.7			20.3			13.4			7.7			4.7	
24.0	24.7	24.0			20.3	20.3		13.4			7.7			4.7	
26.0	24.7	21.4			20.3	20.1		13.4	13.4		7.7			4.7	
28.0	23.3	19.4			20.3	18.1		13.4	13.4		7.7	7.7		4.7	
30.0	21.1	17.6			20.3	16.5		13.4	13.4		7.7	7.7		4.7	4.7
32.0		16.0	11.2			15.0		13.4	13.4		7.7	7.7		4.7	4.7
34.0		14.7	10.1			13.7			12.9			7.7			4.7
36.0		13.5	9.2			12.6	7.6		11.8			7.7			4.7
38.0			8.4			11.6	6.8		10.9	5.4		7.7			4.7
40.0			7.6				6.2			4.8		7.7			4.7
42.0			6.9	3.0			5.6			4.3			3.1		4.7
44.0				2.6			5.0			3.9			2.7		
46.0				2.3			4.5			3.4			2.3		
48.0										3.0			2.0		
θ (°)	5 to 53	5 to 49	5 to 39	5 to 23	5 to 49	5 to 50	5 to 48	5 to 52	5 to 43	5 to 44	5 to 48	5 to 43	5 to 32	5 to 44	5 to 44
Standard hook block	25t				25t										
Hook block weight	870kg				870kg										
Standard number of parts of tie	3				2										

Note) Counterweight 78t, outrigger extension width 6.8m,
or counterweight 58t, outrigger extension width 8.5m,
or counterweight 58t, outrigger extension width 8.0m