

Tadano Rough Terrain Crane

GR-1000N

(6-section boom, 3-section full automatic jib, H-type outriggers)

Specifications

Spec. No. GR-1000N-1-00101

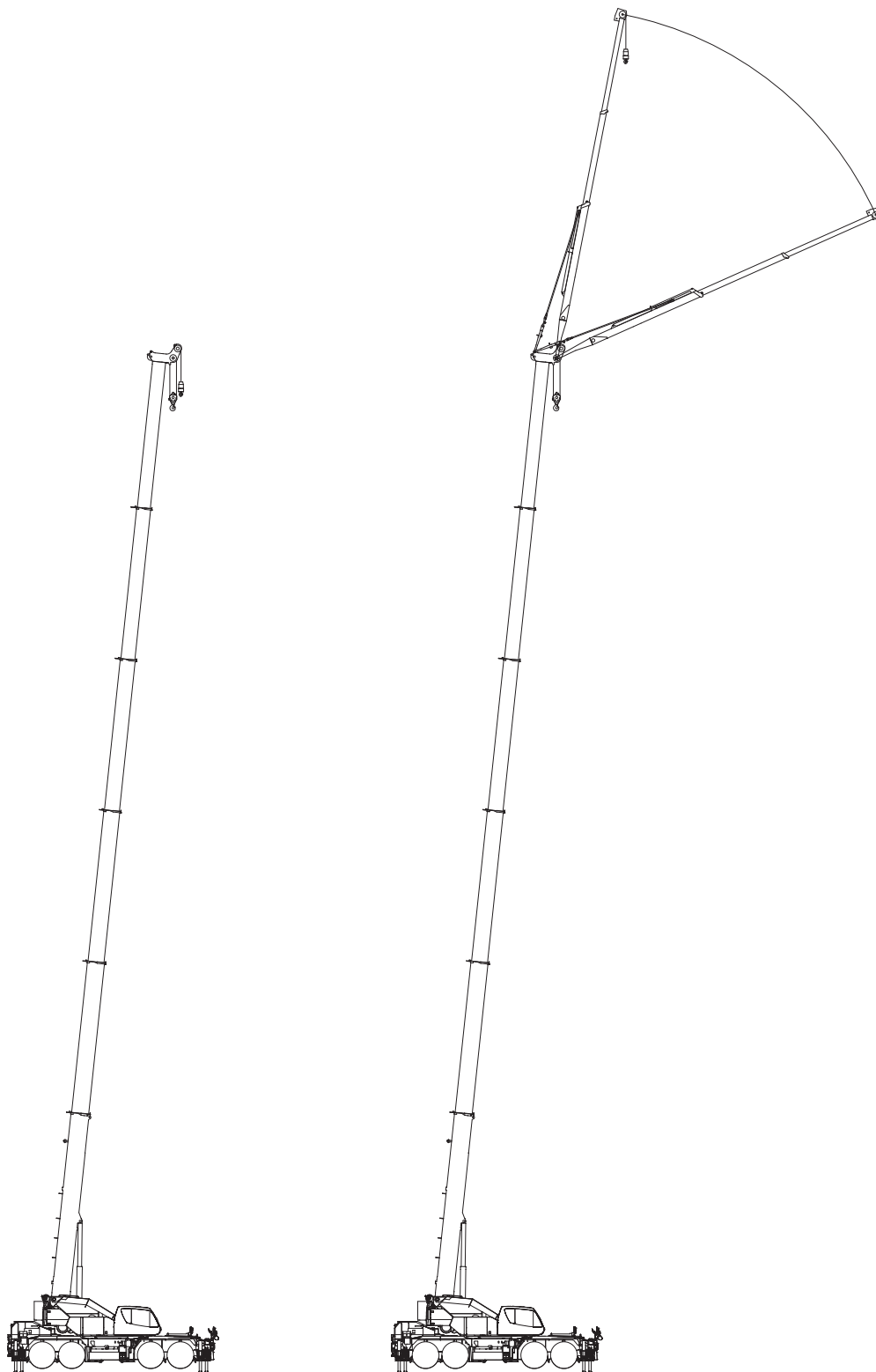
TADANO LTD.

Control No. JA-03

ROUGH TERRAIN CRANE

GR-1000N

Schematic



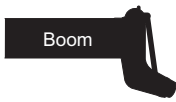
Boom

Full automatic jib
FAJ

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	(Smart Chart capacity)	P 68

Select rated lifting capacity table below based on combination of counterweights and outrigger extension width, and read the appropriate page.

Boom						
	With counterweight (4.0 t)			No counterweight (0.0 t)		
		Smart Chart 1 (front)	● (P14)		Smart Chart 1 (front)	● (P22)
		Smart Chart 1	● (P14)		Smart Chart 1	● (P22)
		Smart Chart 2	● (P15)		Smart Chart 2	● (P23)
	Outrigger extension width	7.8 m	● (P16)	Outrigger extension width	7.8 m	● (P24)
		7.6 m	● (P17)		7.6 m	● (P25)
		7.2 m	● (P18)		7.2 m	● (P26)
		6.4 m	● (P19)		6.4 m	● (P27)
		5.38 m	● (P20)		5.38 m	● (P28)
		4.18 m	● (P21)		4.18 m	● (P29)
2.36 m		—	2.36 m		● (P30)	
On-rubber		● (P31)	On-rubber		● (P31)	
When stopped/travelling (front/360-degree)			When stopped/travelling (front/360-degree)			

Boom + full automatic jib (FAJ)						
	With counterweight (4.0 t)			No counterweight (0.0 t)		
		Smart Chart 1	● (P36)		Smart Chart 1	● (P48)
		Smart Chart 2	● (P37)		Smart Chart 2	● (P49)
	Outrigger extension width	7.8 m	● (P39)	Outrigger extension width	7.8 m	● (P51)
		7.6 m	● (P40)		7.6 m	● (P52)
		7.2 m	● (P42)		7.2 m	● (P54)
		6.4 m	● (P43)		6.4 m	● (P55)
		5.38 m	● (P45)		5.38 m	● (P57)
4.18 m		● (P46)	4.18 m		● (P58)	

Note: Do not perform crane operations for combinations displayed as (—).

Specifications

■Crane

Crane capacity	10.2 m boom	100,000 kg × 1.6 m (10 parts of line ×2)
	13.7 m boom	45,000 kg × 5.0 m (9 parts of line)
	17.2 m boom	45,000 kg × 3.5 m (9 parts of line)
	20.7 m boom	40,000 kg × 4.5 m (8 parts of line)
	24.2 m boom	35,000 kg × 3.5 m (7 parts of line)
	27.7 m boom	25,000 kg × 5.5 m (5 parts of line)
	31.2 m boom	20,000 kg × 7.0 m (4 parts of line)
	34.7 m boom	18,400 kg × 6.5 m (4 parts of line)
	38.2 m boom	15,000 kg × 7.0 m (3 parts of line)
	41.7 m boom	12,100 kg × 9.0 m (3 parts of line)
	45.2 m boom	9,700 kg × 11.0 m (3 parts of line)
	48.0 m boom	7,500 kg × 12.0 m (3 parts of line)
	8.4 m jib	4,000 kg × 16.0 m (1 part of line)
	13.1 m jib	2,800 kg × 14.0 m (1 part of line)
	17.7 m jib	1,500 kg × 11.0 m (1 part of line)
	Single top	5,000 kg (1 part of line)
Maximum lifting height	Boom	48.7 m
	Jib	66.3 m
Maximum load radius	Boom	38.0 m (standard, no CW), 44.0 m (Smart Chart 1, CW mounted)
	Jib	44.0 m (standard, no CW), 56.0 m (Smart Chart 1, CW mounted)
Boom length		10.2 m to 48.0 m
Boom telescoping length		37.8 m
Boom extension speed		37.8 m/310 s
Jib length		8.4 m to 17.7 m
Hoist up speed (rope speed)	Main	127 m/min (5th layer)
	Auxiliary	115 m/min (3rd layer)
Hook block hoist up speed	Main	12.7 m/min (10 parts of line)
	Auxiliary	115 m/min (1 part of line)
Hoist down speed (rope speed) [reference]	Main	Standard 120 m/min (5th layer), high-speed 183 m/min (5th layer)
	Auxiliary	Standard 100 m/min (3rd layer), high-speed 156 m/min (3rd layer)
Boom elevating angle		0° to 84.0°
Boom raising speed		0° to 84.0°/63 s
Slewing angle		360° continuous
Slewing speed		1.85 min ⁻¹ (rpm)
Wire rope	Main	Dia. 16 mm × length 230 m rotation-resistant wire rope
	Auxiliary	Dia. 16 mm × length 147 m rotation-resistant wire rope
Hook block		50 t (10 parts of line), 35 t (7 parts of line), 5.0 t (1 part of line)
Boom		Round-construction 6-section hydraulic telescoping type (pin lock mechanism for each section)
Boom telescoping system		1 double-acting direct-pushing hydraulic cylinder
Jib type		Quick-turn type (stored alongside and below boom) 3-section (hydraulically telescoping), offset (5-60°) Hydraulic stepless tilt type
Single top		Fixed to top boom
Hoisting system		Hydraulic motor driven planetary gear speed reducer, automatic brake, high-speed hoist down, 2 single winches, with pressure compensating flow control valve
Boom elevating system		2 double-acting direct-pushing hydraulic cylinder, with pressure compensating flow control valve
Slewing system		Hydraulic motor driven planetary gear speed reducer, ball bearing, slewing free/lock interchangeable, negative brake
Counterweight		4 t
Outriggers		Fully hydraulic H-type (floats mounted integrally), slides and jacks with independent operation device Extension width: maximum 7.8 m, middle 7.6 m, 7.2 m, 6.4 m, 5.38 m, 4.18 m, minimum 2.36 m,
Operation method		Electric operated
Maximum load of outrigger		45.3 t
Power take off		PTO wet multiplate clutch
Hydraulic pump		Tandem variable piston pump, tandem gear pump
Safety devices		Load moment indicator (LMI), slewing automatic stop device, elevation slow stop device, anti-two-block device, working range limiter, outrigger extension width detector, level gauge, hook safety latch, hydraulic safety valve, boom telescoping cylinder hydraulic lock, boom elevating cylinder hydraulic lock, jib telescoping cylinder hydraulic lock, power tilt cylinder hydraulic lock, jack cylinder hydraulic lock, slewing lock
Standard equipment		Full automatic air conditioner with dehumidifier, hydraulic oil temperature gauge, loudspeaker, AM/FM radio, oil cooler, visual drum rotation indicator, drum rotation beeper, slewing motion beeper, counterweight mounting/demounting device Operating pedals...ISO layout: for boom telescoping and auxiliary winch Tadano layout: for boom elevating and boom telescoping Radio controller for work preparation, telematics, wireless LAN communication terminal, fuel consumption monitor, eco mode, hydraulic oil clogging alarm
Accessories		Wood blocks (4 pcs.), aluminum pads (4 pcs.)

■Carrier

Vehicle name/model		Tadano YDS-T013
Engine	Model	Cummins QSL9-4B (with turbocharger, intake air cooling, urea SCR system)
	Type	Water-cooled, 4-cycle, 6-cylinder, direct-injection diesel engine
	Displacement	8.849 L
	Maximum output	283 kW {385PS}/1,900min ⁻¹ {rpm}
	Maximum torque	1,627 N·m {166kgf·m}/1,500min ⁻¹ {rpm}
Torque converter		3-element 1-section (with automatic lockup mechanism)
Transmission		Automatic and manual transmission, power shift type (wet multiplate clutch) 4 forward and 1 reverse speeds (with Hi/Low settings)
Speed Reducer		Axel two-stage deceleration (2nd, 3rd, 4th axles)
Driving method		4WD (8 x 4)/ 6WD (8 x 6) switching
Axle (all axles)		Full-floating type
Suspension (all axles)		Hydraulic pneumatic suspension (with hydraulic lock cyclinder)
Steering		Full hydraulic power steering
Brakes	Main brake	Hydro-pneumatic disk brake
	Parking brake	Air drive shaft internal expanding spring brake (2nd, 4th axles)
	Auxiliary brake	Permanent-magnetic retarder, engine retarder, auxiliary operating brake
Frame		Welded box-shaped structure
Batteries		12V-120Ah x 2 (24V)
Fuel tank capacity		400 L
Urea water tank		38 L
Tires	Front wheels	385/95 R25 170E road
	Rear wheels	385/95 R25 170E road
Cab		Crew capacity: 1 person, with interior fittings, liquid-sealed rubber mounting type (viscous), fully adjustable seat (with headrest, armrests, seat belt), adjustable handle (tilt, telescoping), intermittent front and ceiling wipers (with washers), power windows, side visors
Safety devices		Emergency steering device, suspension lock unit, rear wheel steering lock device, engine over-run alarm, over-shift prevention device, parking brake alarm, boom left/right side cameras, radiator fluid level warning device, hydraulic oil leak warning device
Standard equipment		Electromotive retractable mirror with heater, overview video display, Immobilizer, tire chocks, LED headlamps, human alert

●Options

Winch drum monitoring camera, remote control searchlight, AML external warning lamp, position lamps, marker lamps, LED marker lamps, external auditory alarms, centralized lubrication system, halogen head lamps, rear monitoring work camera, anemometer, LED flood lamps

●Dimensions when traveling

Overall length	13,240 mm
Overall width	2,780 mm
Overall height	3,750 mm
Wheel base	1,500 mm + 4,000 mm + 1,500 mm
Wheel track	Front wheels 2,330 mm
	Rear wheels 2,330 mm

●Weight

Gross vehicle load	41,295 kg
Front/front axle load	10,240 kg
Front/rear axle load	10,500 kg
Rear/front axle load	10,320 kg
Rear/rear axle load	10,235 kg

●Running performance

Maximum speed	49 km/h
Gradability (tanθ)	0.46
Minimum turning radius	7.5 m (8 wheel steering)
	11.5 m (front 4 wheel steering)

●Maximum jack reaction force (Maximum load of outrigger)

Boom	45.3 t
Jib	32.4 t

Travelling

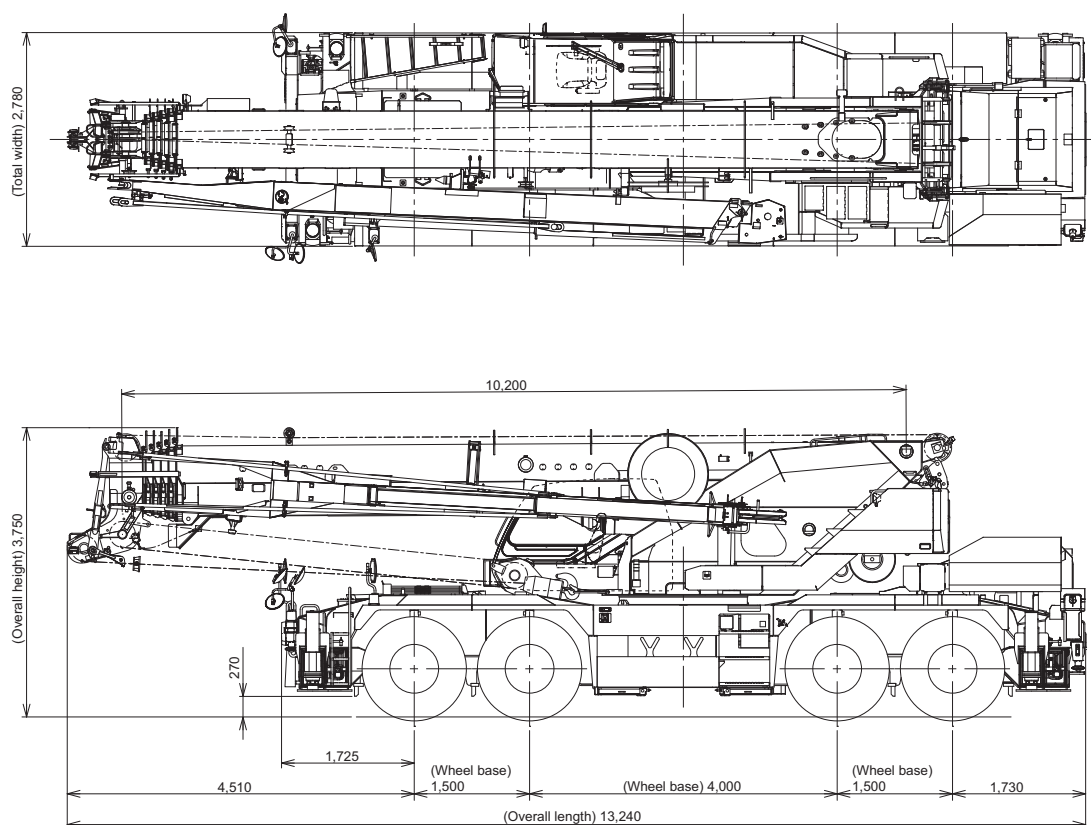
■When travelling on public roads

Unit (mm)

● 41.295 t

(Caution for travelling on public roads)

1. The hook block that can be attached while travelling on public roads is the 35 t hook block.
2. 50 t hook block, attachment sheaves for heavy loads and counterweights must be sent separately.
3. This model has received a "Basic running conditions - weight: D" certificate of conformance under the Newly Developed Vehicle Certificate System, but the actual running conditions will be decided based on the calculations of the road administrator for each route.

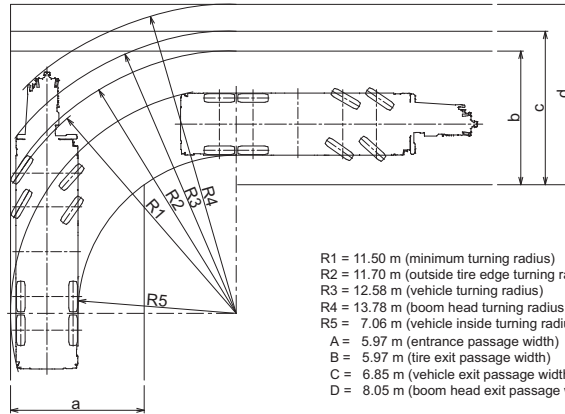


The AML external warning lamps, cab support guards, drum monitoring cameras, rear operation check cameras, LED marker lamps, position lamps and remote control searchlights depicted in this drawing are optional equipment.

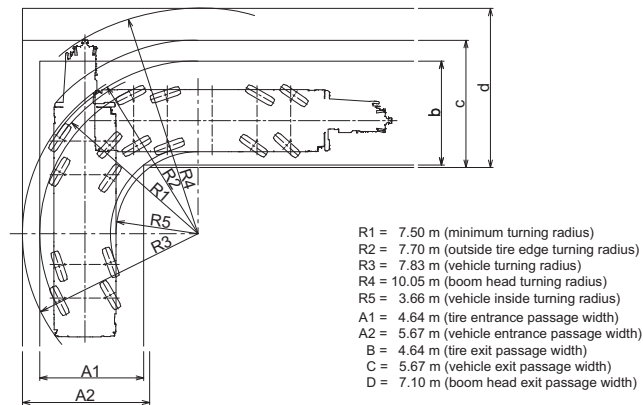
Travelling

■ Minimum right-angle passage width

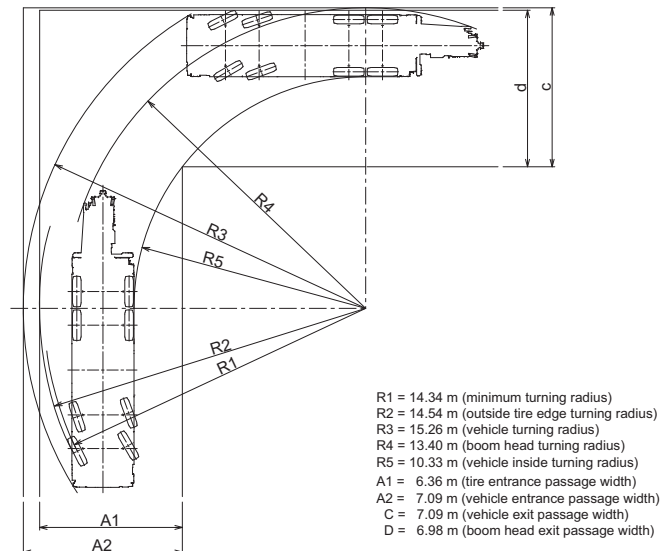
When turning right using front 4-wheel steering



When turning right using 8-wheel steering



When turning right using rear 4-wheel steering



(Note) The above numbers are the calculated values.

Conveyance

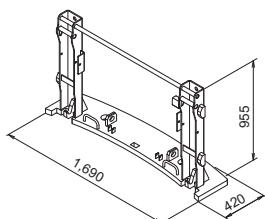
■ Main conveyance components

Unit (mm)

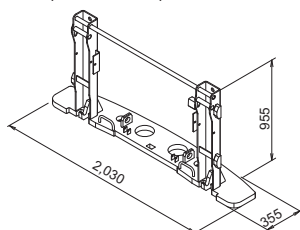
Counterweight

Weights (1) 240 kg

(- #FE1606)

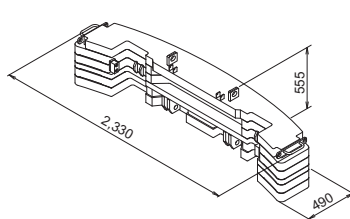


(#FE1607 -)

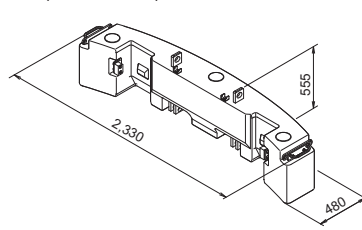


Weights (2) 1,870 kg x2

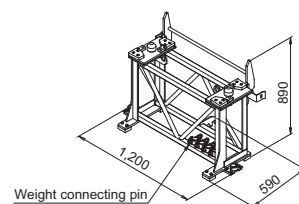
(- #FE1636)



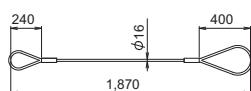
(#FE1637 -)



Mounting support 110 kg



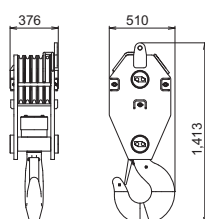
Sling wire 3 kg x2



Shackles
1 kg x2

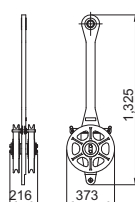


50 t hook block 430 kg

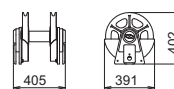


Attachment sheave for heavy loads

For base boom section
attachment 60 kg x2



For 35 t hook block
attachment 60 kg

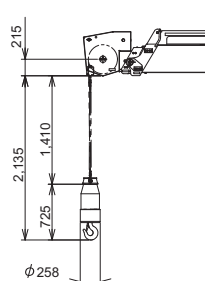


Mounting

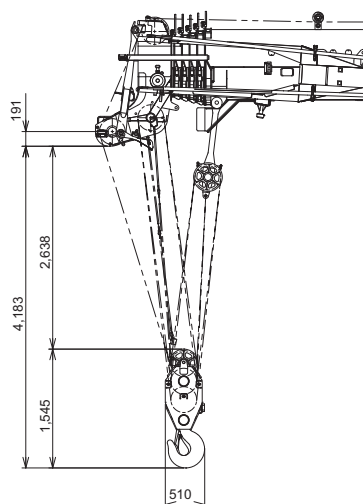
■ Hook block dimensions Unit (mm)

Unit (mm)

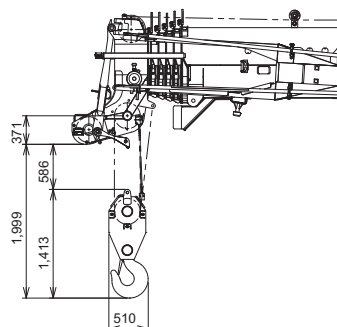
3-section full automatic jib



Boom
(with heavy load lifting device)

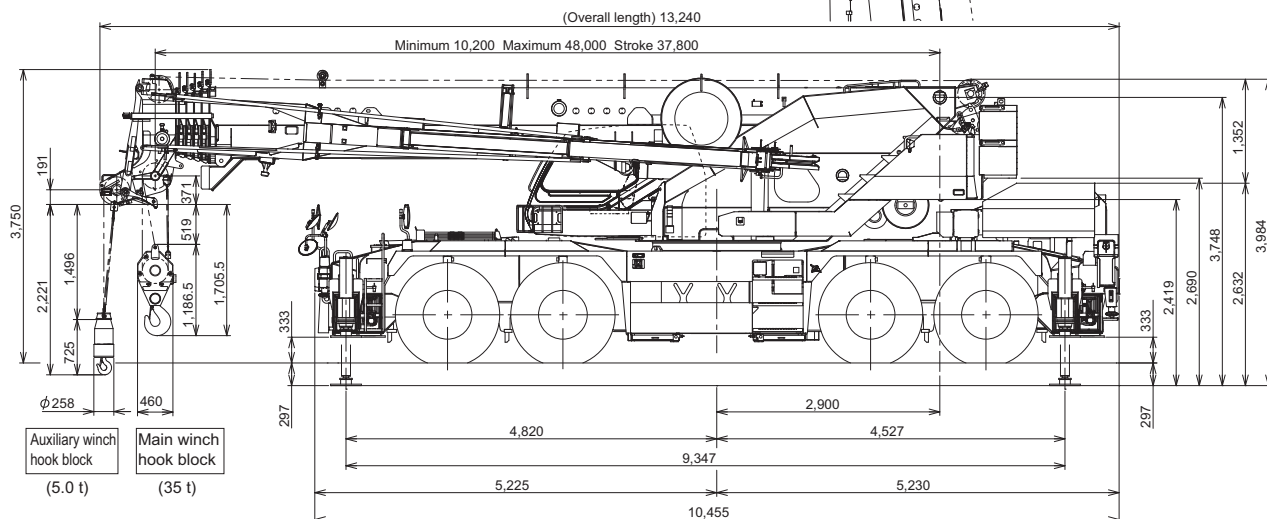
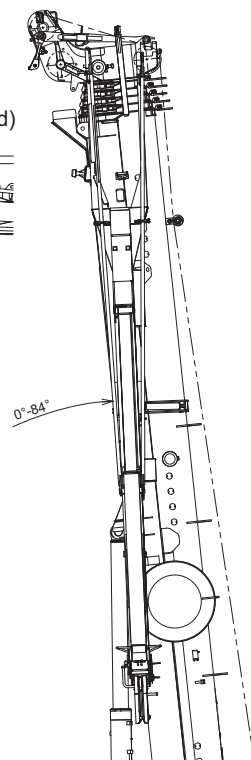


Boom
(with 50 t hook block attached)



Main winch hook block
(50 t)

Main winch hook block
(100 t: 50 t hook block, 35 t hook block, attachment sheave for heavy loads)

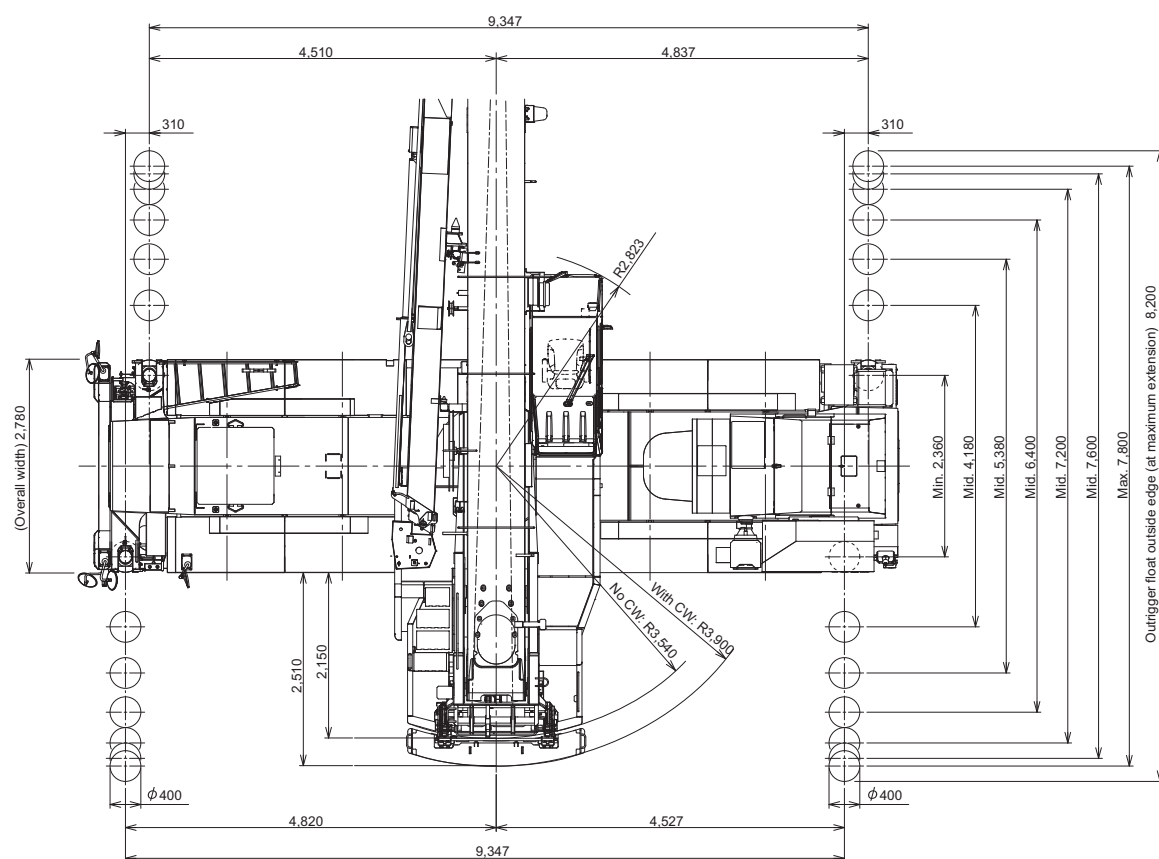


The AML external warning lamps, cab support guards, rear operation check cameras, LED marker lamps and position lamps depicted in this drawing are optional equipment.

Mounting

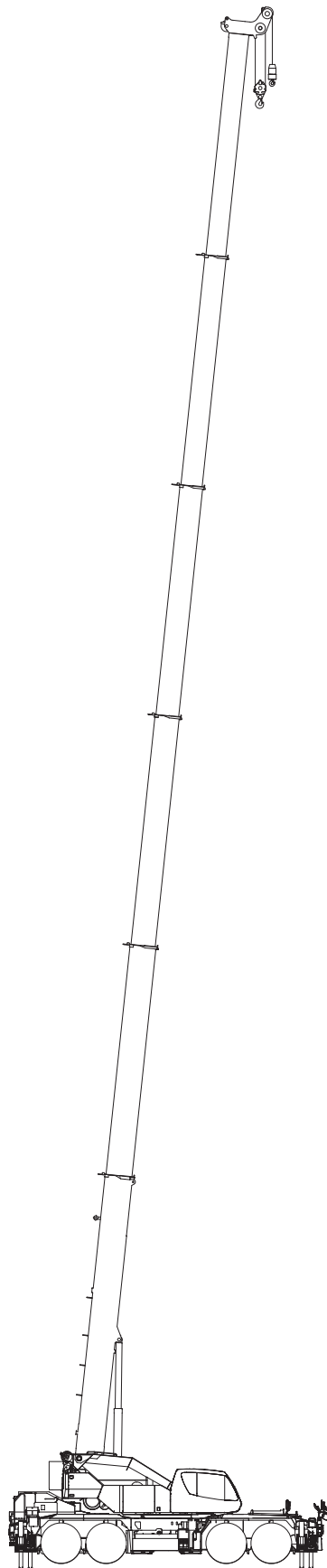
■ Outrigger extension width / Tail swing

Unit (mm)



The rear working cameras and remote control searchlights depicted in this drawing are optional equipment.

Rough terrain crane
GR-1000N-1
Boom



Boom rated lifting capacity table

■Precautions concerning rated lifting capacity table

[When using outriggers]

1. The rated lifting capacities assume that the crane is set horizontally on firm ground, and include the weight of the lifting devices and main winch hook block (50 t hook block: 430 kg, 35 t hook block: 300 kg).

The values above the thick line are based on the structural strength while those below are based on the crane stability factor.

2. The load radius is based on the actual figure including boom and jib deflection, so always use the load radius as the standard.

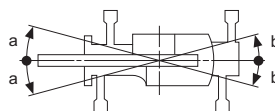
3. When using the single top, the number of parts of line is 1.

The rated lifting capacity for the single top is the value obtained by subtracting 320 kg (when using 50 t hook block)/190 kg (35 t hook block) from the boom rated lifting capacity, and includes the weight of the lifting devices and auxiliary winch hook block (100 kg), and must not exceed 5.0 t.

4. High-speed hoist down should only be used when only the hook block is being lowered. Also, sudden lever operations should be avoided.

5. The standard hook block and standard number of parts of line for each boom length is listed in the last row of each rated lifting capacity table for the boom. However, when using other number of parts of line, the load per line must not exceed 5.0 t for main winch wire rope, or 5.0 t for auxiliary winch wire rope. Additionally, when using 35 t hook block with 7 parts of line (max load 35 t), boom length should be 17.2 m or less, and with 6 parts of line (max load 30 t), the boom length should be 20.7 m or less.

6. The lifting capacity in the over-side area depends on the extension width of the outriggers. Perform work within the capacity according to the extension width. The lifting capacity for the over-front and over-rear areas is the rated lifting capacity of the "maximum extension," but the range (angle a, b) in the over-front and over-rear areas depends on the combination for over-front and over-rear outrigger extension widths in use.



Over-front area									
Angle a°			Front outrigger extension						
			Maximum extension	Middle extension					Minimum extension
			7.8 m	7.6 m	7.2 m	6.4 m	5.38 m	4.18 m	2.36 m
Rear outrigger extension	Maximum extension	7.8 m	90	75	65	55	40	10	5
	Middle extension	7.6 m	75	70	65	50	40	10	5
		7.2 m	65	65	60	50	20	10	5
		6.4 m	60	55	55	45	15	10	5
		5.38 m	50	50	45	25	15	10	5
		4.18 m	45	45	25	20	15	5	5
	Minimum extension	2.36 m	25	20	20	15	10	5	5

Over-rear area									
Angle b°			Front outrigger extension						
			Maximum extension	Middle extension					Minimum extension
			7.8 m	7.6 m	7.2 m	6.4 m	5.38 m	4.18 m	2.36 m
Rear outrigger extension	Maximum extension	7.8 m	90	75	70	30	25	20	15
	Middle extension	7.6 m	75	70	35	25	25	20	15
		7.2 m	30	30	25	25	20	20	15
		6.4 m	20	20	20	20	15	15	10
		5.38 m	15	15	10	10	10	10	10
		4.18 m	5	5	5	5	5	5	5
	Minimum extension	2.36 m	5	5	5	5	5	—	—

Boom rated lifting capacity table

7. When selecting Smart Chart capacity you can perform work in over-front/rear with Smart Chart 1/Smart Chart 2 capacity.

With Smart Chart Capacity, the front working range for Smart Chart 1 capacity (angle c), the front working range for Smart Chart 2 capacity (angle d) and the rear working range for Smart Chart 2 capacity (angle e) differ, depending on the combination of front and rear outrigger extension widths. Only perform Smart Chart 1 (front) crane operations while the AML "front position symbol" is lit. The over-front area is when the boom is within 2° (1° to either the left or right) of the front of the carrier. Additionally, the over-side lifting capability will be the standard capacity corresponding to the extension width of the outriggers.

Diagram illustrating the front outrigger extension area. The angle c is shown, and a note indicates it is approximately 2° .

Over-front area (Smart Chart 1 capacity)									
Angle c°		Front outrigger extension							
		Maximum extension	Middle extension					Minimum extension	
		7.8 m	7.6 m	7.2 m	6.4 m	5.38 m	4.18 m	2.36 m	
Rear outrigger extension	Maximum extension	7.8 m	35	35	30	25	20	5	5
	Middle extension	7.6 m	35	35	30	25	20	5	5
		7.2 m	35	30	30	25	15	5	5
		6.4 m	30	30	25	20	10	5	5
		5.38 m	25	25	25	20	10	5	5
		4.18 m	20	20	20	15	10	5	5
	Minimum extension	2.36 m	15	15	15	15	5	5	5

Diagram illustrating the rear outrigger extension area. The angles d and e are shown.

Over-front area (Smart Chart 2 capacity)										
Angle d°			Front outrigger extension							
			Maximum extension	Middle extension						Minimum extension
				7.8 m	7.6 m	7.2 m	6.4 m	5.38 m	4.18 m	
Rear outrigger extension	Maximum extension	7.8 m	50	50	50	45	35	10	5	
	Middle extension	7.6 m	50	50	50	45	35	10	5	
		7.2 m	50	50	50	40	15	10	5	
		6.4 m	50	50	45	40	15	10	5	
		5.38 m	50	45	45	20	15	10	5	
		4.18 m	45	45	25	20	15	5	5	
	Minimum extension	2.36 m	20	20	20	15	10	5	5	

Over-rear area (Smart Chart 2 capacity)										
Angle e°			Front outrigger extension							
			Maximum extension	Middle extension						Minimum extension
			7.8 m	7.6 m	7.2 m	6.4 m	5.38 m	4.18 m	2.36 m	
Rear outrigger extension	Maximum extension	7.8 m	25	25	25	25	25	20	15	
	Middle extension	7.6 m	25	25	25	25	20	20	15	
		7.2 m	25	25	25	20	20	20	15	
		6.4 m	20	20	15	15	15	15	10	
		5.38 m	10	10	10	10	10	10	10	
		4.18 m	5	5	5	5	5	5	5	
	Minimum extension	2.36 m	5	5	5	5	5	–	–	

Explanation of symbols used in rated lifting capacity table

	Indicates boom rated lifting capacity.		Indicates rated lifting capacity unit.
	Indicates counterweight (C/W) mass.		Indicates boom length.
	Indicates extension width of outriggers.		Indicates load radius.
	Indicates slewing range in which lifting may be performed.		Indicates boom telescoping condition (telescoping ratio %). ID displays number corresponding to boom telescoping status.
	For Smart Chart 1 (front), indicates front-only.		Displays rated lifting capacity limit when B-pin (boom fixing pin) is not inserted.
	Indicates that work can be performed with Smart Chart 1 capacity, if Smart Chart 1 is available.		Indicates boom elevation angle range in which operation is possible without load.
	Indicates that work can be performed with Smart Chart 2 capacity, if Smart Chart 2 is available.		Indicates standard number of parts of line.
			Indicates standard hook block.

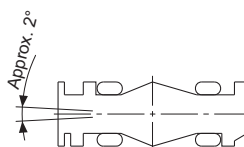
■Precautions concerning rated lifting capacity table

[When on-rubber]

- The rated lifting capacities assume that the crane is set horizontally on firm ground, the tires are at the standard pressure (900 kPa (9.00 kgf/cm²)) and the suspension cylinders are fully retracted, and for boom lift, include the weight of the lifting devices and main winch hook block (50 t hook block: 430 kg, 35 t hook block: 300 kg). The values above the thick line are based on the structural strength while those below are based on the crane stability factor. When performing actual work, use after considering the ground and operating conditions, etc.
- The load radius is based on the actual figure including boom and tire deflection, so always use the load radius as the standard.
- The standard number of parts of line on the hook block for each boom length are as shown in the chart below. However, when using other number of parts of line, the load per line must not exceed 5.0 t for main winch wire rope or 5.0 t for auxiliary winch wire rope.

Boom length	10.2 m	13.7 m	17.2 m	Single top
Number of parts of line	3	3	3	1

- Only perform crane operations in the front area while the AML "front position symbol" is lit.
The front area is when the boom is within 2° of the front of the carrier.



- The rated lifting capacity for the single top is the value obtained by subtracting 320 kg (when using 50 t hook block)/190 kg (35 t hook block) from the boom rated lifting capacity, and includes the weight of the lifting devices and auxiliary winch hook block (110 kg), and must not exceed 5.0 t.
- Do not perform high-speed hoist down, boom lift operation with a boom longer than 17.2 m (longer than 10.2 m with counterweight attached), or use of a jib.
- Perform pick and carry with the "drive mode selector" switch set to "6WD low speed traveling" and the gearshift switch set to first gear.
- Perform pick and carry with the slewing brake on, the load close to the ground so it will not swing, and at a speed of 1.6 km or lower. In particular, abrupt steering, starting or braking must be avoided.
- Do not perform crane operations while performing pick and carry.

Explanation of symbols used in rated lifting capacity table

	Indicates boom rated lifting capacity.		Indicates boom length.
	Indicates counterweight (C/W) mass.		Indicates load radius.
	Indicates on-rubber stationary.		Indicates boom telescoping condition (telescoping ratio %). ID displays number corresponding to boom telescoping status.
	Indicates on-rubber creeping (1.6 km/h or less).		Displays rated lifting capacity limit when B-pins (boom fixing pin) are not inserted.
	Indicates slewing range in which lifting may be performed.		Indicates boom elevation angle range in which operation is possible without load.
	For front, indicates front-only.		Indicates standard number of parts of line.
	Indicates rated lifting capacity unit.		Indicates standard hook block.

Boom

■ Rated lifting capacity table

1. Select capacity according to extension width of outriggers and counterweight mass.
2. Locate boom length/ID field.
3. Locate load radius field.
4. Rated lifting capacity is listed where boom length/ID and load radius intersect.

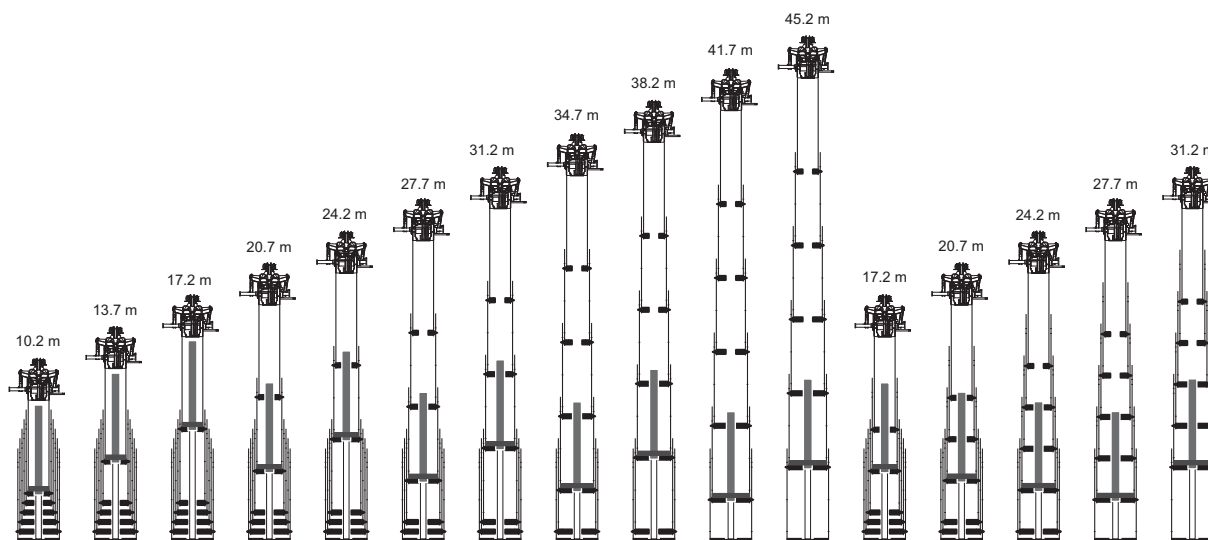
 MB  4.0 t  7.8 m  360°  JPN																
m	10.2	13.7	13.7	17.2	17.2	17.2	17.2	20.7	20.7	20.7	20.7	24.2	24.2	24.2	m	
1.6	75.00															1.6
2.0	75.00	45.00	25.00	45.00	40.00	25.00	21.60	40.00	40.00	25.00	23.00	35.00	25.00	19.90	2.0	
2.5	70.90	45.00	25.00	45.00	40.00	25.00	19.90	40.00	40.00	25.00	21.40	35.00	25.00	18.90	2.5	
3.0	63.60	45.00	25.00	45.00	40.00	25.00	18.50	40.00	40.00	25.00	20.10	35.00	25.00	17.90	3.0	
3.5	57.40	45.00	24.10	45.00	40.00	25.00	17.30	40.00	40.00	25.00	18.90	35.00	25.00	16.80	3.5	
4.0	52.10	45.00	22.80	42.90	40.00	25.00	16.20	38.60	40.00	25.00	17.70	33.80	25.00	15.70	4.0	
4.5	47.60	45.00	21.70	40.20	40.00	23.80	15.20	36.30	40.00	25.00	16.60	32.40	25.00	14.70	4.5	
5.0	43.60	43.50	20.60	37.70	40.00	22.50	14.40	34.30	39.50	24.70	15.70	30.60	25.00	13.90	5.0	
5.5	40.20	40.10	19.70	35.30	40.00	21.30	13.60	32.50	37.60	23.50	14.80	28.90	24.90	13.10	5.5	
6.0	37.20	37.10	18.90	33.60	37.30	20.30	12.90	30.90	35.90	22.40	14.10	27.40	23.90	12.40	6.0	
6.5	34.60	34.40	18.10	31.80	34.70	19.20	12.30	29.40	34.40	21.50	13.40	26.10	23.00	11.80	6.5	
7.0	32.30	32.10	17.40	30.20	32.30	18.20	11.70	28.00	32.60	20.60	12.70	24.90	22.10	11.20	7.0	
8.0		27.70	16.20	27.40	27.90		10.70	25.40	28.30	19.00	11.60	22.70	20.50	10.20	8.0	
9.0		23.40	15.20	23.10	23.70		9.95	23.20	24.20	17.50	10.70	20.90	19.20	9.40	9.0	
10.0		19.00	14.50	18.70	19.40	14.60	9.20	19.10	19.90	16.30	9.95	19.30	18.00	8.65	10.0	
11.0				15.40	16.10	13.60	8.60	15.80	16.50	15.20	9.25	16.20	16.80	8.05	11.0	
12.0				13.00	13.60	12.80	8.10	13.30	14.00	14.20	8.65	13.70	15.40	7.50	12.0	
14.0				9.60	10.10	11.60	7.30	9.85	10.50	11.90	7.70	10.20	11.80	6.60	14.0	
16.0								7.50	8.15	9.45	6.90	7.90	9.35	5.90	16.0	
18.0												6.20	7.60	5.30	18.0	
20.0												4.95	6.30	4.85	20.0	
21.0												4.50	5.80	4.65	21.0	
22.0															22.0	
24.0															24.0	
26.0															26.0	
28.0															28.0	
30.0															30.0	
31.0															31.0	
32.0															32.0	
34.0															34.0	
35.0															35.0	
36.0															36.0	
38.0															38.0	
40.0															40.0	
42.0															42.0	
44.0															44.0	
1	0	46	0	92	46	0	0	92	46	0	0	92	0	0	1	
2	0	0	0	0	46	0	0	46	46	0	0	46	46	0	2	
3	0	0	0	0	0	0	0	0	46	46	0	46	46	0	3	
4	0	0	0	0	0	46	0	0	0	46	46	0	46	92	4	
5	0	0	46	0	0	46	92	0	0	46	92	0	46	92	5	
ID	1	23	2	24	25	12	3	26	27	13	4	28	14	5	ID	
t	20.7	24.3	19.9	20.5	24.0	19.1	17.8	20.6	23.6	18.0	18.8	20.5	24.2	17.3	t	
[DEG]	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	[DEG]	
	20	9	5	9	8	5	5	8	8	5	5	7	5	4		
	Heavy load lifting device	50 t	35 t	50 t	50 t	35 t	35 t	50 t	50 t	35 t	35 t	50 t	35 t	35 t		

Capacity block diagram

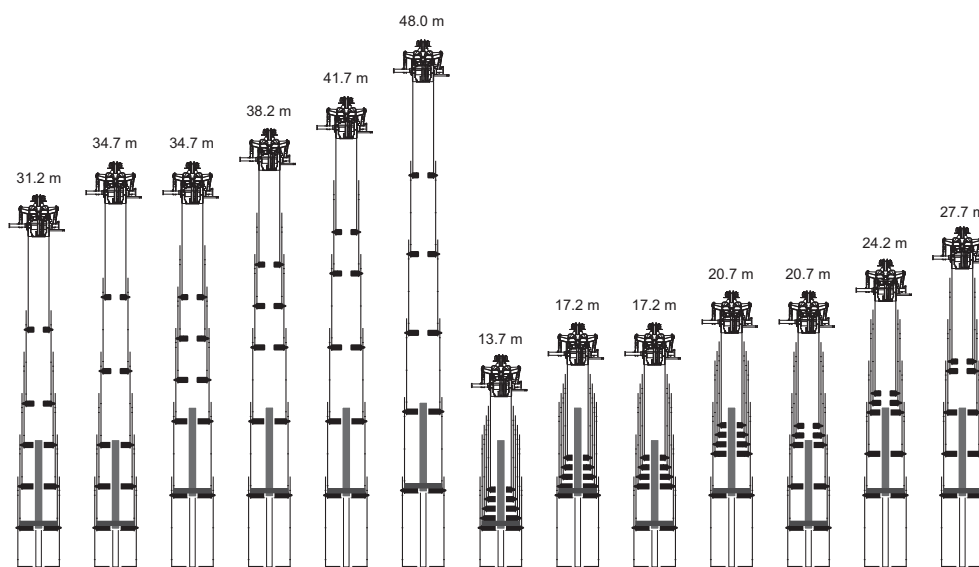
Capacity blocks are groups of IDs for which boom telescoping status can be changed using only boom telescoping operations. Boom telescoping status can be changed easily within the same block.

ID displays number corresponding to boom telescoping status. Boom telescoping status differed depending on combination of boom telescoping ratio.

Even if boom length remains the same, if boom telescoping ratio changes, the ID will change.



Capacity block	1											2				
ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16



Capacity block	3	4	5	6	7	8	9		10		11		12
ID	17	18	19	20	21	22	23	24	25	26	27	28	29

					
MB		4.0 t	Smart Chart 2	SMART CHART	JPN

 m	10.2	13.7	13.7	17.2	17.2	17.2	17.2	20.7	20.7	20.7	20.7	24.2	24.2	24.2	m
1.6	75.00														1.6
2.0	75.00	45.00	25.00	45.00	40.00	25.00	21.60	40.00	40.00	25.00	23.00	35.00	25.00	19.90	2.0
2.5	70.90	45.00	25.00	45.00	40.00	25.00	19.90	40.00	40.00	25.00	21.40	35.00	25.00	18.90	2.5
3.0	63.60	45.00	25.00	45.00	40.00	25.00	18.50	40.00	40.00	25.00	20.10	35.00	25.00	17.90	3.0
3.5	57.40	45.00	24.10	45.00	40.00	25.00	17.30	40.00	40.00	25.00	18.90	35.00	25.00	16.80	3.5
4.0	52.10	45.00	22.80	42.90	40.00	25.00	16.20	38.60	40.00	25.00	17.70	33.80	25.00	15.70	4.0
4.5	47.60	45.00	21.70	40.20	40.00	23.80	15.20	36.30	40.00	25.00	16.60	32.40	25.00	14.70	4.5
5.0	43.60	43.50	20.60	37.70	40.00	22.50	14.40	34.30	39.50	24.70	15.70	30.60	25.00	13.90	5.0
5.5	40.20	40.10	19.70	35.50	40.00	21.30	13.60	32.50	37.60	23.50	14.80	28.90	24.90	13.10	5.5
6.0	37.20	37.10	18.90	33.60	37.30	20.30	12.90	30.90	35.90	22.40	14.10	27.40	23.90	12.40	6.0
6.5	34.60	34.40	18.10	31.80	34.70	19.30	12.30	29.40	34.40	21.50	13.40	26.10	23.00	11.80	6.5
7.0	32.30	32.10	17.40	30.20	32.30	18.50	11.70	28.00	32.60	20.60	12.70	24.90	22.10	11.20	7.0
8.0		27.70	16.20	27.40	27.90	16.90	10.70	25.40	28.30	19.00	11.60	22.70	20.50	10.20	8.0
9.0		24.10	15.20	23.90	24.40	15.60	9.95	23.20	24.70	17.50	10.70	20.90	19.20	9.40	9.0
10.0		21.30	14.50	21.10	21.50	14.60	9.20	21.30	21.80	16.30	9.95	19.30	18.00	8.65	10.0
11.0				18.80	19.20	13.60	8.60	19.00	19.50	15.20	9.25	18.00	16.80	8.05	11.0
12.0				16.10	16.80	12.80	8.10	16.40	17.30	14.20	8.65	16.80	15.80	7.50	12.0
14.0				11.90	12.50	11.60	7.30	12.10	12.90	12.70	7.70	12.60	14.20	6.60	14.0
16.0								9.30	9.95	11.30	6.90	9.65	11.20	5.90	16.0
18.0												7.65	9.10	5.30	18.0
20.0												6.15	7.55	4.85	20.0
21.0												5.55	6.95	4.65	21.0
22.0															22.0
24.0															24.0
26.0															26.0
28.0															28.0
30.0															30.0
31.0															31.0
32.0															32.0
34.0															34.0
35.0															35.0
36.0															36.0
38.0															38.0
40.0															40.0
42.0															42.0
44.0															44.0
1	0	46	0	92	46	0	0	92	46	0	0	92	0	0	1
2	0	0	0	0	46	0	0	46	46	0	0	46	46	0	2
3	0	0	0	0	0	0	0	0	46	46	0	46	46	0	3
4	0	0	0	0	0	46	0	0	0	46	46	0	46	92	4
5	0	0	46	0	0	46	92	0	0	46	92	0	46	92	5
ID	1	23	2	24	25	12	3	26	27	13	4	28	14	5	ID
t	20.7	24.3	19.9	20.5	24.0	19.1	17.8	20.6	23.6	18.0	18.8	20.5	24.2	17.3	t
[DEG]	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	[DEG]
	20	9	5	9	8	5	5	8	8	5	5	7	5	4	
	Heavy load lifting device	50 t	35 t	50 t	50 t	35 t	35 t	50 t	50 t	35 t	35 t	50 t	35 t	35 t	

	m	27.7	27.7	27.7	31.2	31.2	31.2	34.7	34.7	34.7	38.2	38.2	41.7	41.7	45.2	48.0	m	
	1.6																1.6	
	2.0																2.0	
	2.5	25.00	25.00	18.40													2.5	
	3.0	25.00	25.00	17.60	20.00	20.00	16.70										3.0	
	3.5	25.00	25.00	16.90	20.00	19.80	16.10	18.40	15.00	14.70							3.5	
	4.0	25.00	25.00	16.20	20.00	19.20	15.60	18.40	15.00	14.70	15.00	12.50					4.0	
	4.5	25.00	25.00	15.60	20.00	18.60	15.10	18.40	14.90	14.40	15.00	12.50					4.5	
	5.0	25.00	25.00	14.80	20.00	18.10	14.60	18.40	14.50	14.10	15.00	12.50	12.10	11.00			5.0	
	5.5	25.00	25.00	14.00	20.00	17.60	14.20	18.40	14.20	13.70	15.00	12.50	12.10	11.00	9.70	7.50	5.5	
	6.0	24.90	24.90	13.30	20.00	17.10	13.60	18.40	13.80	13.40	15.00	12.50	12.10	11.00	9.70	7.50	6.0	
	6.5	24.00	24.10	12.70	20.00	16.40	13.00	18.40	13.40	13.00	15.00	12.50	12.10	11.00	9.70	7.50	6.5	
	7.0	22.90	23.20	12.10	20.00	15.80	12.30	18.10	13.00	12.70	15.00	12.20	12.10	11.00	9.70	7.50	7.0	
	8.0	21.00	21.70	11.10	19.20	14.70	11.30	16.80	12.40	11.90	14.90	11.70	12.10	11.00	9.70	7.50	8.0	
	9.0	19.30	20.40	10.30	18.00	13.70	10.30	15.60	11.60	11.00	14.10	11.20	12.10	10.90	9.70	7.50	9.0	
	10.0	17.80	19.20	9.55	16.80	12.90	9.55	14.50	10.90	10.20	13.20	10.60	11.90	10.60	9.70	7.50	10.0	
	11.0	16.60	18.10	8.90	15.60	12.10	8.85	13.60	10.20	9.50	12.40	9.95	11.30	10.20	9.70	7.50	11.0	
	12.0	15.50	17.10	8.35	14.60	11.40	8.25	12.80	9.65	8.90	11.60	9.35	10.70	9.65	9.60	7.50	12.0	
	14.0	13.10	13.90	7.40	12.90	10.30	7.25	11.40	8.65	7.90	10.30	8.25	9.55	8.65	8.85	7.15	14.0	
	16.0	10.10	10.90	6.60	10.60	9.40	6.45	10.30	7.80	7.05	9.30	7.35	8.60	7.75	8.10	6.50	16.0	
	18.0	8.10	8.85	6.00	8.55	8.60	5.80	8.55	7.15	6.35	8.45	6.55	7.80	7.00	7.35	5.95	18.0	
	20.0	6.55	7.25	5.50	7.00	7.60	5.25	6.95	6.55	5.80	7.10	5.95	7.10	6.35	6.70	5.30	20.0	
	21.0	5.95	6.65	5.25	6.35	6.95	5.00	6.35	6.30	5.55	6.50	5.65	6.65	6.05	6.40	5.00	21.0	
	22.0	5.40	6.10	5.05	5.80	6.40	4.75	5.80	6.05	5.30	5.90	5.40	6.10	5.80	6.15	4.75	22.0	
	24.0	4.50	5.15	4.70	4.85	5.45	4.40	4.85	5.60	4.90	4.95	4.95	5.15	5.35	5.35	4.30	24.0	
	26.0				4.10	4.70	4.05	4.05	4.85	4.50	4.20	4.55	4.35	4.80	4.55	3.85	26.0	
	28.0				3.50	4.05	3.75	3.45	4.20	4.20	3.55	4.20	3.70	4.15	3.90	3.50	28.0	
	30.0							2.95	3.65	3.90	3.00	3.70	3.15	3.60	3.35	3.20	30.0	
	31.0							2.70	3.45	3.65	2.80	3.50	2.95	3.35	3.15	3.05	31.0	
	32.0										2.55	3.25	2.70	3.15	2.90	2.90	32.0	
	34.0										2.15	2.85	2.30	2.75	2.50	2.50	34.0	
	35.0										2.00	2.70	2.10	2.55	2.30	2.30	35.0	
	36.0												1.95	2.40	2.15	2.15	36.0	
	38.0												1.65	2.10	1.85	1.80	38.0	
	40.0														1.55	1.55	40.0	
	42.0														1.30	1.30	42.0	
	44.0															1.10	44.0	
		1	92	46	0	92	46	0	92	46	0	92	0	92	46	92	100	1
		2	46	46	0	46	46	0	92	46	46	92	92	92	92	92	100	2
		3	46	46	46	46	46	92	46	46	92	92	92	92	92	92	100	3
		4	46	46	92	46	46	92	46	92	92	46	92	92	92	92	100	4
		5	0	46	92	46	92	92	46	92	92	46	92	46	92	92	100	5
	ID	29	15	6	16	17	7	19	18	8	20	9	21	10	11	22	ID	
	t	20.1	22.2	17.0	20.0	20.0	16.7	18.4	15.0	14.7	15.0	12.5	12.1	11.0	9.7	7.5	t	
	 [DEG]	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	[DEG]
	5	5	4	4	4	4	4	3	3	3	3	3	3	3	3			
	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t			

Boom

					
MB		4.0 t	7.8 m	360°	JPN

	m	10.2	13.7	13.7	17.2	17.2	17.2	17.2	20.7	20.7	20.7	20.7	24.2	24.2	24.2	m
	1.6	75.00														1.6
	2.0	75.00	45.00	25.00	45.00	40.00	25.00	21.60	40.00	40.00	25.00	23.00	35.00	25.00	19.90	2.0
	2.5	70.90	45.00	25.00	45.00	40.00	25.00	18.90	40.00	40.00	25.00	21.40	35.00	25.00	18.90	2.5
	3.0	63.60	45.00	25.00	45.00	40.00	25.00	18.50	40.00	40.00	25.00	20.10	35.00	25.00	17.90	3.0
	3.5	57.40	45.00	24.10	45.00	40.00	25.00	17.30	40.00	40.00	25.00	18.90	35.00	25.00	16.80	3.5
	4.0	52.10	45.00	22.80	42.90	40.00	25.00	16.20	38.60	40.00	25.00	17.70	33.80	25.00	15.70	4.0
	4.5	47.60	45.00	21.70	40.20	40.00	23.80	15.20	36.30	40.00	25.00	16.60	32.40	25.00	14.70	4.5
	5.0	43.60	43.50	20.60	37.70	40.00	22.50	14.40	34.30	39.50	24.70	15.70	30.60	25.00	13.90	5.0
	5.5	40.20	40.10	19.70	35.50	40.00	21.30	13.60	32.50	37.60	23.50	14.80	28.90	24.90	13.10	5.5
	6.0	37.20	37.10	18.90	33.60	37.30	20.30	12.90	30.90	35.90	22.40	14.10	27.40	23.90	12.40	6.0
	6.5	34.60	34.40	18.10	31.80	34.70	19.30	12.30	29.40	34.40	21.50	13.40	26.10	23.00	11.80	6.5
	7.0	32.30	32.10	17.40	30.20	32.30	18.50	11.70	28.00	32.60	20.60	12.70	24.90	22.10	11.20	7.0
	8.0		27.70	16.20	27.40	27.90	16.90	10.70	25.40	28.30	19.00	11.60	22.70	20.50	10.20	8.0
	9.0		23.40	15.20	23.10	23.70	15.60	9.95	23.20	24.20	17.50	10.70	20.90	19.20	9.40	9.0
	10.0		19.00	14.50	18.70	19.40	14.60	9.20	19.10	19.90	16.30	9.95	19.30	18.00	8.65	10.0
	11.0				15.40	16.10	13.60	8.60	15.80	16.50	15.20	9.25	16.20	16.80	8.05	11.0
	12.0				13.00	13.60	12.80	8.10	13.30	14.00	14.20	8.65	13.70	15.40	7.50	12.0
	14.0				9.60	10.10	11.60	7.30	9.85	10.50	11.90	7.70	10.20	11.80	6.60	14.0
	16.0								7.50	8.15	9.45	6.90	7.90	9.35	5.90	16.0
	18.0												6.20	7.60	5.30	18.0
	20.0												4.95	6.30	4.85	20.0
	21.0												4.50	5.80	4.65	21.0
	22.0															22.0
	24.0															24.0
	26.0															26.0
	28.0															28.0
	30.0															30.0
	31.0															31.0
	32.0															32.0
	34.0															34.0
	35.0															35.0
	36.0															36.0
	38.0															38.0
	40.0															40.0
	42.0															42.0
	44.0															44.0
	1	0	46	0	92	46	0	0	92	46	0	0	92	0	0	1
	2	0	0	0	0	46	0	0	46	46	0	0	46	46	0	2
	3	0	0	0	0	0	0	0	0	46	46	0	46	46	0	3
	4	0	0	0	0	0	46	0	0	0	46	46	0	46	92	4
	5	0	0	46	0	0	46	92	0	0	46	92	0	46	92	5
	ID	1	23	2	24	25	12	3	26	27	13	4	28	14	5	ID
	t	20.7	24.3	19.9	20.5	24.0	19.1	17.8	20.6	23.6	18.0	18.8	20.5	24.2	17.3	t
	[DEG]	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	[DEG]
		20	9	5	9	8	5	5	8	8	5	5	7	5	4	
	Heavy load lifting device		50 t	35 t	50 t	50 t	35 t	35 t	50 t	50 t	35 t	35 t	50 t	35 t	35 t	

	m	27.7	27.7	27.7	31.2	31.2	31.2	34.7	34.7	34.7	38.2	38.2	41.7	41.7	45.2	48.0	m		
	1.6																1.6		
	2.0																2.0		
	2.5	25.00	25.00	18.40													2.5		
	3.0	25.00	25.00	17.60	20.00	20.00	16.70										3.0		
	3.5	25.00	25.00	16.90	20.00	19.80	16.10	18.40	15.00	14.70							3.5		
	4.0	25.00	25.00	16.20	20.00	19.20	15.60	18.40	15.00	14.70	15.00	12.50					4.0		
	4.5	25.00	25.00	15.60	20.00	18.60	15.10	18.40	14.90	14.40	15.00	12.50					4.5		
	5.0	25.00	25.00	14.80	20.00	18.10	14.60	18.40	14.50	14.10	15.00	12.50	12.10	11.00			5.0		
	5.5	25.00	25.00	14.00	20.00	17.60	14.20	18.40	14.20	13.70	15.00	12.50	12.10	11.00	9.70	7.50	5.5		
	6.0	24.90	24.90	13.30	20.00	17.10	13.60	18.40	13.80	13.40	15.00	12.50	12.10	11.00	9.70	7.50	6.0		
	6.5	24.00	24.10	12.70	20.00	16.40	13.00	18.40	13.40	13.00	15.00	12.50	12.10	11.00	9.70	7.50	6.5		
	7.0	22.90	23.20	12.10	20.00	15.80	12.30	18.10	13.00	12.70	15.00	12.20	12.10	11.00	9.70	7.50	7.0		
	8.0	21.00	21.70	11.10	19.20	14.70	11.30	16.80	12.40	11.90	14.90	11.70	12.10	11.00	9.70	7.50	8.0		
	9.0	19.30	20.40	10.30	18.00	13.70	10.30	15.60	11.60	11.00	14.10	11.20	12.10	10.90	9.70	7.50	9.0		
	10.0	17.80	19.20	9.55	16.80	12.90	9.55	14.50	10.90	10.20	13.20	10.60	11.90	10.60	9.70	7.50	10.0		
	11.0	16.60	17.70	8.90	15.60	12.10	8.85	13.60	10.20	9.50	12.40	9.95	11.30	10.20	9.70	7.50	11.0		
	12.0	14.30	15.10	8.35	14.60	11.40	8.25	12.80	9.65	8.90	11.60	9.35	10.70	9.65	9.60	7.50	12.0		
	14.0	10.70	11.50	7.40	11.20	10.30	7.25	11.20	8.65	7.90	10.30	8.25	9.55	8.65	8.85	7.15	14.0		
	16.0	8.35	9.05	6.60	8.80	9.40	6.45	8.80	7.80	7.05	8.95	7.35	8.60	7.75	8.10	6.50	16.0		
	18.0	6.65	7.35	6.00	7.05	7.70	5.80	7.05	7.15	6.35	7.20	6.55	7.40	7.00	7.35	5.95	18.0		
	20.0	5.35	6.05	5.50	5.75	6.35	5.25	5.75	6.55	5.80	5.90	5.95	6.05	6.35	6.30	5.30	20.0		
	21.0	4.85	5.50	5.25	5.25	5.85	5.00	5.20	6.00	5.55	5.35	5.65	5.50	5.95	5.75	5.00	21.0		
	22.0	4.35	5.05	5.05	4.75	5.35	4.75	4.75	5.50	5.30	4.85	5.40	5.05	5.45	5.25	4.75	22.0		
	24.0	3.60	4.25	4.70	3.95	4.55	4.40	3.95	4.70	4.90	4.05	4.75	4.20	4.65	4.40	4.30	24.0		
	26.0				3.30	3.85	4.05	3.30	4.00	4.25	3.40	4.10	3.55	3.95	3.75	3.75	26.0		
	28.0				2.80	3.35	3.75	2.75	3.45	3.70	2.85	3.55	3.00	3.40	3.20	3.20	28.0		
	30.0							2.25	3.00	3.25	2.35	3.05	2.55	2.95	2.70	2.70	30.0		
	31.0							2.05	2.80	3.05	2.15	2.85	2.30	2.75	2.50	2.50	31.0		
	32.0										1.95	2.65	2.10	2.55	2.30	2.30	32.0		
	34.0										1.60	2.30	1.75	2.20	1.95	1.95	34.0		
	35.0										1.45	2.20	1.60	2.05	1.80	1.80	35.0		
	36.0												1.45	1.85	1.60	1.60	36.0		
	38.0												1.15	1.60	1.35	1.35	38.0		
	40.0														1.10	1.10	40.0		
	42.0														0.90	0.85	42.0		
	44.0														0.70	0.70	44.0		
	1	92	46	0	92	46	0	92	46	0	92	0	92	46	92	100	1		
	2	46	46	0	46	46	0	92	46	46	92	92	92	92	92	100	2		
	3	46	46	46	46	46	92	46	46	92	92	92	92	92	92	100	3		
	4	46	46	92	46	46	92	46	92	92	46	92	92	92	92	100	4		
	5	0	46	92	46	92	92	46	92	92	46	92	46	92	92	100	5		
	ID	29	15	6	16	17	7	19	18	8	20	9	21	10	11	22	ID		
		t	20.1	22.2	17.0	20.0	20.0	16.7	18.4	15.0	14.7	15.0	12.5	12.1	11.0	9.7	7.5	t	
			[DEG]	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	[DEG]	
					5	5	4	4	4	4	4	3	3	3	3	3	3	3	
						35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t

 MB	 4.0 t	 7.6 m	 360°	 JPN
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 m	10.2	13.7	13.7	17.2	17.2	17.2	17.2	20.7	20.7	20.7	20.7	24.2	24.2	24.2	m
1.6	75.00														1.6
2.0	75.00	45.00	25.00	45.00	40.00	25.00	21.60	40.00	40.00	25.00	23.00	35.00	25.00	19.90	2.0
2.5	70.40	45.00	25.00	45.00	40.00	25.00	19.90	40.00	40.00	25.00	21.40	35.00	25.00	18.90	2.5
3.0	63.00	45.00	25.00	45.00	40.00	25.00	18.50	40.00	40.00	25.00	20.10	35.00	25.00	17.90	3.0
3.5	56.80	45.00	24.10	45.00	40.00	25.00	17.30	40.00	40.00	25.00	18.90	35.00	25.00	16.80	3.5
4.0	51.60	45.00	22.80	42.90	40.00	25.00	16.20	38.60	40.00	25.00	17.70	33.80	25.00	15.70	4.0
4.5	47.10	45.00	21.70	40.20	40.00	23.80	15.20	36.30	40.00	25.00	16.60	32.40	25.00	14.70	4.5
5.0	43.20	43.00	20.60	37.70	40.00	22.50	14.40	34.30	39.50	24.70	15.70	30.60	25.00	13.90	5.0
5.5	39.80	39.60	19.70	35.50	39.90	21.30	13.60	32.50	37.60	23.50	14.80	28.90	24.90	13.10	5.5
6.0	36.80	36.70	18.90	33.60	36.90	20.30	12.90	30.90	35.90	22.40	14.10	27.40	23.90	12.40	6.0
6.5	34.20	34.00	18.10	31.80	34.20	19.30	12.30	29.40	34.40	21.50	13.40	26.10	23.00	11.80	6.5
7.0	31.90	31.70	17.40	30.20	31.90	18.50	11.70	28.00	32.20	20.60	12.70	24.90	22.10	11.20	7.0
8.0		27.70	16.20	27.40	27.90	16.90	10.70	25.40	28.20	19.00	11.60	22.70	20.50	10.20	8.0
9.0		22.50	15.20	22.20	22.90	15.60	9.95	22.50	23.40	17.50	10.70	20.90	19.20	9.40	9.0
10.0		18.20	14.50	17.80	18.50	14.60	9.20	18.20	19.00	16.30	9.95	18.70	18.00	8.65	10.0
11.0				14.70	15.40	13.60	8.60	15.10	15.80	15.20	9.25	15.50	16.80	8.05	11.0
12.0				12.40	13.00	12.80	8.10	12.70	13.40	14.20	8.65	13.10	14.80	7.50	12.0
14.0				9.15	9.70	11.30	7.30	9.40	10.00	11.40	7.70	9.80	11.30	6.60	14.0
16.0								7.20	7.80	9.10	6.90	7.55	9.00	5.90	16.0
18.0												5.90	7.30	5.30	18.0
20.0												4.70	6.05	4.85	20.0
21.0												4.25	5.55	4.65	21.0
22.0															22.0
24.0															24.0
26.0															26.0
28.0															28.0
30.0															30.0
31.0															31.0
32.0															32.0
34.0															34.0
35.0															35.0
36.0															36.0
38.0															38.0
40.0															40.0
42.0															42.0
44.0															44.0
1	0	46	0	92	46	0	0	92	46	0	0	92	0	0	1
2	0	0	0	0	46	0	0	46	46	0	0	46	46	0	2
3	0	0	0	0	0	0	0	0	46	46	0	46	46	0	3
4	0	0	0	0	0	46	0	0	0	46	46	0	46	92	4
5	0	0	46	0	0	46	92	0	0	46	92	0	46	92	5
ID	1	23	2	24	25	12	3	26	27	13	4	28	14	5	ID
t	20.7	24.3	19.9	20.5	24.0	19.1	17.8	20.6	23.6	18.0	18.8	20.5	24.2	17.3	t
[DEG]	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	[DEG]
	20	9	5	9	8	5	5	8	8	5	5	7	5	4	
Heavy load lifting device		50 t	35 t	50 t	50 t	35 t	35 t	50 t	50 t	35 t	35 t	50 t	35 t	35 t	

 m	27.7	27.7	27.7	31.2	31.2	31.2	34.7	34.7	34.7	38.2	38.2	41.7	41.7	45.2	48.0	m
1.6																1.6
2.0																2.0
2.5	25.00	25.00	18.40													2.5
3.0	25.00	25.00	17.60	20.00	20.00	16.70										3.0
3.5	25.00	25.00	16.90	20.00	19.80	16.10	18.40	15.00	14.70							3.5
4.0	25.00	25.00	16.20	20.00	19.20	15.60	18.40	15.00	14.70	15.00	12.50					4.0
4.5	25.00	25.00	15.60	20.00	18.60	15.10	18.40	14.90	14.40	15.00	12.50					4.5
5.0	25.00	25.00	14.80	20.00	18.10	14.60	18.40	14.50	14.10	15.00	12.50	12.10	11.00			5.0
5.5	25.00	25.00	14.00	20.00	17.60	14.20	18.40	14.20	13.70	15.00	12.50	12.10	11.00	9.70	7.50	5.5
6.0	24.90	24.90	13.30	20.00	17.10	13.60	18.40	13.80	13.40	15.00	12.50	12.10	11.00	9.70	7.50	6.0
6.5	24.00	24.10	12.70	20.00	16.40	13.00	18.40	13.40	13.00	15.00	12.50	12.10	11.00	9.70	7.50	6.5
7.0	22.90	23.20	12.10	20.00	15.80	12.30	18.10	13.00	12.70	15.00	12.20	12.10	11.00	9.70	7.50	7.0
8.0	21.00	21.70	11.10	19.20	14.70	11.30	16.80	12.40	11.90	14.90	11.70	12.10	11.00	9.70	7.50	8.0
9.0	19.30	20.40	10.30	18.00	13.70	10.30	15.60	11.60	11.00	14.10	11.20	12.10	10.90	9.70	7.50	9.0
10.0	17.80	19.20	9.55	16.80	12.90	9.55	14.50	10.90	10.20	13.20	10.60	11.90	10.60	9.70	7.50	10.0
11.0	16.10	17.00	8.90	15.60	12.10	8.85	13.60	10.20	9.50	12.40	9.95	11.30	10.20	9.70	7.50	11.0
12.0	13.70	14.50	8.35	14.20	11.40	8.25	12.80	9.65	8.90	11.60	9.35	10.70	9.65	9.60	7.50	12.0
14.0	10.30	11.00	7.40	10.70	10.30	7.25	10.70	8.65	7.90	10.30	8.25	9.55	8.65	8.85	7.15	14.0
16.0	8.00	8.70	6.60	8.45	9.10	6.45	8.45	7.80	7.05	8.60	7.35	8.60	7.75	8.10	6.50	16.0
18.0	6.35	7.05	6.00	6.75	7.40	5.80	6.75	7.15	6.35	6.90	6.55	7.10	7.00	7.30	5.95	18.0
20.0	5.10	5.80	5.50	5.50	6.10	5.25	5.50	6.30	5.80	5.65	5.95	5.80	6.25	6.00	5.30	20.0
21.0	4.60	5.25	5.25	5.00	5.60	5.00	5.00	5.75	5.55	5.10	5.65	5.30	5.75	5.50	5.00	21.0
22.0	4.15	4.80	5.05	4.55	5.15	4.75	4.55	5.30	5.30	4.65	5.40	4.80	5.25	5.05	4.75	22.0
24.0	3.40	4.05	4.70	3.75	4.35	4.40	3.75	4.50	4.75	3.85	4.55	4.05	4.45	4.25	4.25	24.0
26.0				3.15	3.70	4.05	3.10	3.85	4.10	3.25	3.90	3.40	3.80	3.60	3.60	26.0
28.0				2.65	3.20	3.60	2.60	3.30	3.55	2.70	3.35	2.85	3.25	3.05	3.05	28.0
30.0							2.10	2.85	3.10	2.25	2.90	2.40	2.80	2.55	2.55	30.0
31.0							1.95	2.65	2.90	2.00	2.70	2.20	2.60	2.35	2.35	31.0
32.0										1.80	2.55	2.00	2.40	2.20	2.20	32.0
34.0										1.45	2.20	1.60	2.05	1.80	1.80	34.0
35.0										1.35	2.05	1.45	1.90	1.65	1.65	35.0
36.0												1.30	1.75	1.50	1.50	36.0
38.0												1.05	1.50	1.25	1.25	38.0
40.0														1.00	1.00	40.0
42.0														0.80	0.80	42.0
44.0															0.60	44.0
1	92	46	0	92	46	0	92	46	0	92	0	92	46	92	100	1
2	46	46	0	46	46	0	92	46	46	92	92	92	92	92	100	2
3	46	46	46	46	46	92	46	46	92	92	92	92	92	92	100	3
4	46	46	92	46	46	92	46	92	92	46	92	92	92	92	100	4
5	0	46	92	46	92	92	46	92	92	46	92	46	92	92	100	5
ID	29	15	6	16	17	7	19	18	8	20	9	21	10	11	22	ID
t	20.1	22.2	17.0	20.0	20.0	16.7	18.4	15.0	14.7	15.0	12.5	12.1	11.0	9.7	7.5	t
[DEG]	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	[DEG]
	5	5	4	4	4	4	4	3	3	3	3	3	3	3	3	
Heavy load lifting device	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	

Boom

											
MB				4.0 t		7.2 m		360 °		JPN	

	m	10.2	13.7	13.7	17.2	17.2	17.2	17.2	20.7	20.7	20.7	20.7	24.2	24.2	24.2	m
																
	1.6	75.00														1.6
	2.0	75.00	45.00	25.00	45.00	40.00	25.00	21.60	40.00	40.00	25.00	23.00	35.00	25.00	19.90	2.0
	2.5	69.30	45.00	25.00	45.00	40.00	25.00	19.90	40.00	40.00	25.00	21.40	35.00	25.00	18.90	2.5
	3.0	61.90	45.00	25.00	45.00	40.00	25.00	18.50	40.00	40.00	25.00	20.10	35.00	25.00	17.90	3.0
	3.5	55.70	45.00	24.10	45.00	40.00	25.00	17.30	40.00	40.00	25.00	18.90	35.00	25.00	16.80	3.5
	4.0	50.50	45.00	22.80	42.90	40.00	25.00	16.20	38.60	40.00	25.00	17.70	33.80	25.00	15.70	4.0
	4.5	46.00	45.00	21.70	40.20	40.00	23.80	15.20	36.30	40.00	25.00	16.60	32.40	25.00	14.70	4.5
	5.0	42.20	42.00	20.60	37.70	40.00	22.50	14.40	34.30	39.50	24.70	15.70	30.60	25.00	13.90	5.0
	5.5	38.80	38.70	19.70	35.50	38.90	21.30	13.60	32.50	37.60	23.50	14.80	28.90	24.90	13.10	5.5
	6.0	35.90	35.70	18.90	33.60	35.90	20.30	12.90	30.90	35.90	22.40	14.10	27.40	23.90	12.40	6.0
	6.5	33.30	33.10	18.10	31.80	33.30	19.30	12.30	29.40	33.60	21.50	13.40	26.10	23.00	11.80	6.5
	7.0	31.00	30.80	17.40	30.20	31.00	18.50	11.70	28.00	31.30	20.60	12.70	24.90	22.10	11.20	7.0
	8.0		26.00	16.20	25.70	26.50	16.90	10.70	25.40	27.10	19.00	11.60	22.70	20.50	10.20	8.0
	9.0		20.40	15.20	20.10	20.80	15.60	9.95	20.50	21.30	17.50	10.70	20.90	19.20	9.40	9.0
	10.0		16.60	14.50	16.30	16.90	14.60	9.20	16.60	17.40	16.30	9.95	17.10	18.00	8.65	10.0
	11.0				13.50	14.10	13.60	8.60	13.80	14.50	15.20	9.25	14.20	16.00	8.05	11.0
	12.0				11.30	11.90	12.80	8.10	11.60	12.30	13.80	8.65	12.00	13.70	7.50	12.0
	14.0				8.35	8.90	10.50	7.30	8.60	9.25	10.60	7.70	8.95	10.50	6.60	14.0
	16.0								6.55	7.15	8.40	6.90	6.90	8.30	5.90	16.0
	18.0												5.40	6.75	5.30	18.0
	20.0												4.25	5.60	4.85	20.0
	21.0												3.80	5.10	4.65	21.0
	22.0															22.0
	24.0															24.0
	26.0															26.0
	28.0															28.0
	30.0															30.0
	31.0															31.0
	32.0															32.0
	34.0															34.0
	35.0															35.0
	36.0															36.0
	38.0															38.0
	40.0															40.0
	42.0															42.0
44.0															44.0	
	1	0	46	0	92	46	0	0	92	46	0	0	92	0	0	1
	2	0	0	0	0	46	0	0	46	46	0	0	46	46	0	2
	3	0	0	0	0	0	0	0	0	46	46	0	46	46	0	3
	4	0	0	0	0	0	46	0	0	0	46	46	0	46	92	4
	5	0	0	46	0	0	46	92	0	0	46	92	0	46	92	5
	ID	1	23	2	24	25	12	3	26	27	13	4	28	14	5	ID
	t	20.7	24.3	19.9	20.5	24.0	19.1	17.8	20.6	23.6	18.0	18.8	20.5	24.2	17.3	t
	[DEG]	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	[DEG]
		20	9	5	9	8	5	5	8	8	5	5	7	5	4	
	Heavy load lifting device	50 t	35 t	35 t	50 t	50 t	35 t	35 t	50 t	50 t	35 t	35 t	50 t	35 t	35 t	

	m	27.7	27.7	27.7	31.2	31.2	31.2	34.7	34.7	34.7	38.2	38.2	41.7	41.7	45.2	48.0	m
	1.6																1.6
	2.0																2.0
	2.5	25.00	25.00	18.40													2.5
	3.0	25.00	25.00	17.60	20.00	20.00	16.70										3.0
	3.5	25.00	25.00	16.90	20.00	19.80	16.10	18.40	15.00	14.70							3.5
	4.0	25.00	25.00	16.20	20.00	19.20	15.60	18.40	15.00	14.70	15.00	12.50					4.0
	4.5	25.00	25.00	15.60	20.00	18.60	15.10	18.40	14.90	14.40	15.00	12.50					4.5
	5.0	25.00	25.00	14.80	20.00	18.10	14.60	18.40	14.50	14.10	15.00	12.50	12.10	11.00			5.0
	5.5	25.00	25.00	14.00	20.00	17.60	14.20	18.40	14.20	13.70	15.00	12.50	12.10	11.00	9.70	7.50	5.5
	6.0	24.90	24.90	13.30	20.00	17.10	13.60	18.40	13.80	13.40	15.00	12.50	12.10	11.00	9.70	7.50	6.0
	6.5	24.00	24.10	12.70	20.00	16.40	13.00	18.40	13.40	13.00	15.00	12.50	12.10	11.00	9.70	7.50	6.5
	7.0	22.90	23.20	12.10	20.00	15.80	12.30	18.10	13.00	12.70	15.00	12.20	12.10	11.00	9.70	7.50	7.0
	8.0	21.00	21.70	11.10	19.20	14.70	11.30	16.80	12.40	11.90	14.90	11.70	12.10	11.00	9.70	7.50	8.0
	9.0	19.30	20.40	10.30	18.00	13.70	10.30	15.60	11.60	11.00	14.10	11.20	12.10	10.90	9.70	7.50	9.0
	10.0	17.70	18.60	9.55	16.80	12.90	9.55	14.50	10.90	10.20	13.20	10.60	11.90	10.60	9.70	7.50	10.0
	11.0	14.80	15.60	8.90	15.30	12.10	8.85	13.60	10.20	9.50	12.40	9.95	11.30	10.20	9.70	7.50	11.0
	12.0	12.60	13.40	8.35	13.10	11.40	8.25	12.80	9.65	8.90	11.60	9.35	10.70	9.65	9.60	7.50	12.0
	14.0	9.45	10.20	7.40	9.95	10.30	7.25	9.90	8.65	7.90	10.10	8.25	9.55	8.65	8.85	7.15	14.0
	16.0	7.30	8.05	6.60	7.75	8.40	6.45	7.75	7.80	7.05	7.90	7.35	8.10	7.75	8.10	6.50	16.0
	18.0	5.80	6.50	6.00	6.20	6.85	5.80	6.20	7.00	6.35	6.35	6.55	6.55	7.00	6.75	5.95	18.0
	20.0	4.65	5.30	5.50	5.05	5.65	5.25	5.05	5.80	5.80	5.15	5.90	5.35	5.80	5.55	5.30	20.0
	21.0	4.15	4.85	5.25	4.55	5.15	5.00	4.55	5.35	5.55	4.70	5.40	4.85	5.30	5.05	5.00	21.0
	22.0	3.75	4.40	5.05	4.15	4.70	4.75	4.10	4.90	5.15	4.25	4.95	4.40	4.85	4.60	4.60	22.0
	24.0	3.05	3.70	4.50	3.40	3.95	4.40	3.40	4.15	4.40	3.50	4.20	3.65	4.10	3.85	3.85	24.0
	26.0				2.80	3.35	3.80	2.80	3.50	3.75	2.90	3.60	3.05	3.45	3.25	3.25	26.0
	28.0				2.30	2.90	3.30	2.30	3.00	3.25	2.40	3.05	2.55	2.95	2.75	2.75	28.0
	30.0							1.85	2.60	2.80	1.95	2.65	2.10	2.50	2.30	2.30	30.0
	31.0							1.65	2.40	2.65	1.75	2.45	1.90	2.35	2.10	2.10	31.0
	32.0										1.55	2.30	1.70	2.15	1.90	1.90	32.0
	34.0										1.25	1.95	1.40	1.80	1.55	1.55	34.0
	35.0										1.10	1.80	1.25	1.65	1.40	1.40	35.0
	36.0												1.10	1.50	1.30	1.25	36.0
	38.0												0.85	1.30	1.00	1.00	38.0
	40.0														0.80	0.80	40.0
	42.0														0.60	0.60	42.0
	44.0																44.0
	1	92	46	0	92	46	0	92	46	0	92	0	92	46	92	100	1
	2	46	46	0	46	46	0	92	46	46	92	92	92	92	92	100	2
	3	46	46	46	46	46	92	46	46	92	92	92	92	92	92	100	3
	4	46	46	92	46	46	92	46	92	92	46	92	92	92	92	100	4
	5	0	46	92	46	92	92	46	92	92	46	92	46	92	92	100	5
ID	29	15	6	16	17	7	19	18	8	20	9	21	10	11	22	ID	
	t	20.1	22.2	17.0	20.0	20.0	16.7	18.4	15.0	14.7	15.0	12.5	12.1	11.0	9.7	7.5	t
	[DEG]	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	[DEG]	
		5	5	4	4	4	4	4	3	3	3	3	3	3	3		
		35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t		

					
MB		4.0 t	6.4 m	360°	JPN

 m	10.2	13.7	13.7	17.2	17.2	17.2	17.2	20.7	20.7	20.7	20.7	24.2	24.2	24.2	m
1.6	75.00														1.6
2.0	75.00	45.00	25.00	45.00	40.00	25.00	21.60	40.00	40.00	25.00	23.00	35.00	25.00	19.90	2.0
2.5	66.80	45.00	25.00	45.00	40.00	25.00	19.90	40.00	40.00	25.00	21.40	35.00	25.00	18.90	2.5
3.0	59.40	45.00	25.00	45.00	40.00	25.00	18.50	40.00	40.00	25.00	20.10	35.00	25.00	17.90	3.0
3.5	53.30	45.00	24.10	45.00	40.00	25.00	17.30	40.00	40.00	25.00	18.90	35.00	25.00	16.80	3.5
4.0	48.10	45.00	22.80	42.90	40.00	25.00	16.20	38.60	40.00	25.00	17.70	33.80	25.00	15.70	4.0
4.5	43.70	43.60	21.70	40.20	40.00	23.80	15.20	36.30	40.00	25.00	16.60	32.40	25.00	14.70	4.5
5.0	40.00	39.80	20.60	37.70	40.00	22.50	14.40	34.30	39.50	24.70	15.70	30.60	25.00	13.90	5.0
5.5	36.70	36.60	19.70	35.50	36.80	21.30	13.60	32.50	37.10	23.50	14.80	28.90	24.90	13.10	5.5
6.0	33.90	33.70	18.90	33.60	33.90	20.30	12.90	30.90	34.20	22.40	14.10	27.40	23.90	12.40	6.0
6.5	31.40	31.20	18.10	31.00	31.40	19.30	12.30	29.40	31.70	21.50	13.40	26.10	23.00	11.80	6.5
7.0	28.20	27.80	17.40	27.50	28.30	18.50	11.70	27.70	28.80	20.60	12.70	24.90	22.10	11.20	7.0
8.0		21.10	16.20	20.80	21.50	16.90	10.70	21.20	22.00	19.00	11.60	21.70	20.50	10.20	8.0
9.0		16.70	15.20	16.40	17.10	15.60	9.95	16.80	17.60	17.50	10.70	17.20	19.10	9.40	9.0
10.0		13.60	14.50	13.30	13.90	14.60	9.20	13.70	14.40	15.90	9.95	14.10	15.80	8.65	10.0
11.0				11.00	11.60	13.40	8.60	11.30	12.00	13.50	9.25	11.80	13.40	8.05	11.0
12.0				9.30	9.85	11.50	8.10	9.60	10.20	11.60	8.65	10.00	11.50	7.50	12.0
14.0				6.80	7.30	8.85	7.30	7.00	7.65	8.95	7.70	7.40	8.85	6.60	14.0
16.0								5.30	5.90	7.10	6.90	5.60	7.00	5.90	16.0
18.0												4.35	5.65	5.30	18.0
20.0												3.35	4.65	4.85	20.0
21.0												2.95	4.25	4.65	21.0
22.0															22.0
24.0															24.0
26.0															26.0
28.0															28.0
30.0															30.0
31.0															31.0
32.0															32.0
34.0															34.0
35.0															35.0
36.0															36.0
38.0															38.0
40.0															40.0
42.0															42.0
44.0															44.0
1	0	46	0	92	46	0	0	92	46	0	0	92	0	0	1
2	0	0	0	0	46	0	0	46	46	0	0	46	46	0	2
3	0	0	0	0	0	0	0	0	46	46	0	46	46	0	3
4	0	0	0	0	0	46	0	0	0	46	46	0	46	92	4
5	0	0	46	0	0	46	92	0	0	46	92	0	46	92	5
ID	1	23	2	24	25	12	3	26	27	13	4	28	14	5	ID
t	20.7	24.3	19.9	20.5	24.0	19.1	17.8	20.6	23.6	18.0	18.8	20.5	24.2	17.3	t
[DEG]	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	[DEG]
	20	9	5	9	8	5	5	8	8	5	5	7	5	4	
	Heavy load lifting device	50 t	35 t	50 t	50 t	35 t	35 t	50 t	50 t	35 t	35 t	50 t	35 t	35 t	

 m	27.7	27.7	27.7	31.2	31.2	31.2	34.7	34.7	34.7	38.2	38.2	41.7	41.7	45.2	48.0	m
1.6																1.6
2.0																2.0
2.5	25.00	25.00	18.40													2.5
3.0	25.00	25.00	17.60	20.00	20.00	16.70										3.0
3.5	25.00	25.00	16.90	20.00	19.80	16.10	18.40	15.00	14.70							3.5
4.0	25.00	25.00	16.20	20.00	19.20	15.60	18.40	15.00	14.70	15.00	12.50					4.0
4.5	25.00	25.00	15.60	20.00	18.60	15.10	18.40	14.90	14.40	15.00	12.50					4.5
5.0	25.00	25.00	14.80	20.00	18.10	14.60	18.40	14.50	14.10	15.00	12.50	12.10	11.00			5.0
5.5	25.00	25.00	14.00	20.00	17.60	14.20	18.40	14.20	13.70	15.00	12.50	12.10	11.00	9.70	7.50	5.5
6.0	24.90	24.90	13.30	20.00	17.10	13.60	18.40	13.80	13.40	15.00	12.50	12.10	11.00	9.70	7.50	6.0
6.5	24.00	24.10	12.70	20.00	16.40	13.00	18.40	13.40	13.00	15.00	12.50	12.10	11.00	9.70	7.50	6.5
7.0	22.90	23.20	12.10	20.00	15.80	12.30	18.10	13.00	12.70	15.00	12.20	12.10	11.00	9.70	7.50	7.0
8.0	21.00	21.70	11.10	19.20	14.70	11.30	16.80	12.40	11.90	14.90	11.70	12.10	11.00	9.70	7.50	8.0
9.0	17.90	18.80	10.30	18.00	13.70	10.30	15.60	11.60	11.00	14.10	11.20	12.10	10.90	9.70	7.50	9.0
10.0	14.70	15.50	9.55	15.20	12.90	9.55	14.50	10.90	10.20	13.20	10.60	11.90	10.60	9.70	7.50	10.0
11.0	12.30	13.10	8.90	12.80	12.10	8.85	12.80	10.20	9.50	12.40	9.95	11.30	10.20	9.70	7.50	11.0
12.0	10.50	11.30	8.35	11.00	11.40	8.25	11.00	9.65	8.90	11.10	9.35	10.70	9.65	9.60	7.50	12.0
14.0	7.85	8.60	7.40	8.30	8.95	7.25	8.30	8.65	7.90	8.45	8.25	8.65	8.65	8.85	7.15	14.0
16.0	6.05	6.75	6.60	6.50	7.10	6.45	6.45	7.30	7.05	6.60	7.35	6.80	7.25	7.00	6.50	16.0
18.0	4.75	5.40	6.00	5.15	5.75	5.80	5.15	5.95	6.20	5.25	6.00	5.45	5.90	5.65	5.65	18.0
20.0	3.75	4.40	5.25	4.15	4.70	5.15	4.10	4.90	5.15	4.25	4.95	4.40	4.85	4.60	4.60	20.0
21.0	3.30	3.95	4.80	3.70	4.30	4.70	3.70	4.45	4.70	3.80	4.55	4.00	4.40	4.20	4.20	21.0
22.0	2.95	3.60	4.40	3.35	3.90	4.30	3.30	4.05	4.30	3.45	4.15	3.60	4.00	3.80	3.80	22.0
24.0	2.30	3.00	3.80	2.70	3.25	3.65	2.70	3.40	3.65	2.80	3.50	2.95	3.35	3.15	3.15	24.0
26.0				2.15	2.75	3.15	2.10	2.85	3.10	2.25	2.95	2.40	2.80	2.60	2.60	26.0
28.0				1.70	2.30	2.70	1.65	2.40	2.65	1.75	2.50	1.95	2.35	2.15	2.15	28.0
30.0							1.25	2.05	2.30	1.35	2.10	1.55	2.00	1.75	1.75	30.0
31.0							1.10	1.90	2.10	1.20	1.95	1.35	1.80	1.55	1.55	31.0
32.0										1.05	1.75	1.20	1.65	1.40	1.40	32.0
34.0										0.75	1.45	0.90	1.35	1.10	1.10	34.0
35.0										0.65	1.35	0.75	1.20	0.95	0.95	35.0
36.0												0.65	1.05	0.80	0.80	36.0
38.0													0.85	0.60	0.60	38.0
40.0																40.0
42.0																42.0
44.0																44.0
1	92	46	0	92	46	0	92	46	0	92	0	92	46	92	100	1
2	46	46	0	46	46	0	92	46	46	92	92	92	92	92	100	2
3	46	46	46	46	46	92	46	46	92	92	92	92	92	92	100	3
4	46	46	92	46	46	92	46	92	92	46	92	92	92	92	100	4
5	0	46	92	46	92	92	46	92	92	46	92	46	92	92	100	5
ID	29	15	6	16	17	7	19	18	8	20	9	21	10	11	22	ID
t	20.1	22.2	17.0	20.0	20.0	16.7	18.4	15.0	14.7	15.0	12.5	12.1	11.0	9.7	7.5	t
[DEG]	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	24 - 84	33 - 84	[DEG]
	5	5	4	4	4	4	4	3	3	3	3	3	3	3	3	
	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	

Boom

[illegible]

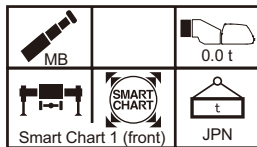
	m	27.7	27.7	27.7	31.2	31.2	31.2	34.7	34.7	34.7	38.2	38.2	41.7	41.7	45.2	48.0	m
	1.6																1.6
	2.0																2.0
	2.5	25.00	25.00	18.40													2.5
	3.0	25.00	25.00	17.60	20.00	20.00	16.70										3.0
	3.5	25.00	25.00	16.90	20.00	19.80	16.10	18.40	15.00	14.70							3.5
	4.0	25.00	25.00	16.20	20.00	19.20	15.60	18.40	15.00	14.70	15.00	12.50					4.0
	4.5	25.00	25.00	15.60	20.00	18.60	15.10	18.40	14.90	14.40	15.00	12.50					4.5
	5.0	25.00	25.00	14.80	20.00	18.10	14.60	18.40	14.50	14.10	15.00	12.50	12.10	11.00			5.0
	5.5	25.00	25.00	14.00	20.00	17.60	14.20	18.40	14.20	13.70	15.00	12.50	12.10	11.00	9.70	7.50	5.5
	6.0	24.90	24.90	13.30	20.00	17.10	13.60	18.40	13.80	13.40	15.00	12.50	12.10	11.00	9.70	7.50	6.0
	6.5	23.00	24.10	12.70	20.00	16.40	13.00	18.40	13.40	13.00	15.00	12.50	12.10	11.00	9.70	7.50	6.5
	7.0	20.50	21.70	12.10	20.00	15.80	12.30	18.10	13.00	12.70	15.00	12.20	12.10	11.00	9.70	7.50	7.0
	8.0	16.80	17.80	11.10	16.90	14.70	11.30	16.40	12.40	11.90	14.90	11.70	12.10	11.00	9.70	7.50	8.0
	9.0	13.70	14.50	10.30	14.20	13.70	10.30	13.80	11.60	11.00	13.70	11.20	12.10	10.90	9.70	7.50	9.0
	10.0	11.30	12.10	9.55	11.80	12.50	9.55	11.80	10.90	10.20	11.70	10.60	11.70	10.60	9.70	7.50	10.0
	11.0	9.50	10.20	8.90	9.95	10.60	8.85	9.95	10.20	9.50	10.10	9.95	10.20	10.20	9.70	7.50	11.0
	12.0	8.05	8.80	8.35	8.50	9.20	8.25	8.50	9.40	8.90	8.70	9.35	8.85	9.35	9.05	7.50	12.0
	14.0	5.95	6.65	7.40	6.40	7.00	7.25	6.50	7.25	7.50	6.55	7.30	6.75	7.20	6.95	6.95	14.0
	16.0	4.50	5.20	6.05	4.95	5.50	5.95	4.90	5.70	5.95	5.05	5.80	5.25	5.65	5.45	5.45	16.0
	18.0	3.45	4.10	4.95	3.85	4.40	4.85	3.85	4.60	4.85	3.95	4.65	4.15	4.55	4.35	4.35	18.0
	20.0	2.60	3.25	4.05	3.00	3.55	3.95	3.00	3.75	4.00	3.10	3.80	3.30	3.70	3.50	3.50	20.0
	21.0	2.25	2.90	3.70	2.65	3.20	3.60	2.65	3.40	3.60	2.75	3.45	2.95	3.35	3.10	3.10	21.0
	22.0	1.95	2.60	3.40	2.35	2.90	3.30	2.35	3.05	3.30	2.45	3.15	2.60	3.00	2.80	2.80	22.0
	24.0	1.40	2.10	2.85	1.80	2.35	2.75	1.75	2.50	2.75	1.90	2.60	2.05	2.45	2.25	2.25	24.0
	26.0				1.30	1.90	2.30	1.30	2.05	2.30	1.40	2.15	1.60	2.00	1.80	1.80	26.0
	28.0				0.95	1.55	1.95	0.90	1.70	1.90	1.00	1.75	1.20	1.60	1.40	1.40	28.0
	30.0							0.60	1.35	1.60	0.70	1.40	0.85	1.25	1.05	1.05	30.0
	31.0								1.20	1.45	0.55	1.25	0.70	1.10	0.90	0.90	31.0
	32.0											1.10	0.55	1.00	0.75	0.75	32.0
	34.0											0.85		0.70	0.50		34.0
	35.0											0.75		0.60			35.0
	36.0													0.50			36.0
	38.0																38.0
	40.0																40.0
	42.0																42.0
	44.0																44.0
	%																
	1	92	46	0	92	46	0	92	46	0	92	0	92	46	92	100	1
	2	46	46	0	46	46	0	92	46	46	92	92	92	92	92	100	2
	3	46	46	46	46	46	92	46	46	92	92	92	92	92	92	100	3
	4	46	46	92	46	46	92	46	92	46	92	92	92	92	92	100	4
	5	0	46	92	46	92	92	46	92	46	92	46	92	46	92	100	5
	ID	29	15	6	16	17	7	19	18	8	20	9	21	10	11	22	ID
	t	20.1	22.2	17.0	20.0	20.0	16.7	18.4	15.0	14.7	15.0	12.5	12.1	11.0	9.7	7.5	t
	[DEG]	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	27 - 84	0 - 84	30 - 84	16 - 84	34 - 84	40 - 84	[DEG]
		5	5	4	4	4	4	4	3	3	3	3	3	3	3	3	
		35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	

					
MB		4.0 t	4.18 m	360°	JPN

 m	10.2	13.7	13.7	17.2	17.2	17.2	17.2	20.7	20.7	20.7	20.7	24.2	24.2	24.2	m
1.6	75.00														1.6
2.0	66.00	45.00	25.00	45.00	40.00	25.00	21.60	40.00	40.00	25.00	23.00	35.00	25.00	19.90	2.0
2.5	56.90	45.00	25.00	45.00	40.00	25.00	19.90	40.00	40.00	25.00	21.40	35.00	25.00	18.90	2.5
3.0	49.70	45.00	25.00	45.00	40.00	25.00	18.50	40.00	40.00	25.00	20.10	35.00	25.00	17.90	3.0
3.5	43.90	43.80	24.10	40.80	40.00	25.00	17.30	37.90	39.20	25.00	18.90	35.00	25.00	16.80	3.5
4.0	39.20	36.40	22.80	33.10	34.00	25.00	16.20	31.20	32.30	25.00	17.70	29.80	25.00	15.70	4.0
4.5	33.20	30.10	21.70	27.50	28.50	23.80	15.20	26.20	27.30	25.00	16.60	25.30	25.00	14.70	4.5
5.0	26.70	25.40	20.60	23.40	24.30	22.50	14.40	22.50	23.50	24.70	15.70	21.80	24.10	13.90	5.0
5.5	22.20	21.90	19.70	20.20	21.00	21.30	13.60	19.50	20.50	22.50	14.80	19.10	21.30	13.10	5.5
6.0	18.80	18.50	18.90	17.60	18.40	20.30	12.90	17.10	18.00	20.00	14.10	16.80	19.00	12.40	6.0
6.5	16.20	15.90	17.60	15.50	16.30	18.30	12.30	15.10	16.00	17.90	13.40	15.00	17.00	11.80	6.5
7.0	14.20	13.90	15.50	13.60	14.20	16.10	11.70	13.50	14.40	16.20	12.70	13.40	15.40	11.20	7.0
8.0		10.80	12.20	10.50	11.10	12.90	10.70	10.80	11.50	13.00	11.60	10.90	12.80	10.20	8.0
9.0		8.60	10.00	8.35	8.90	10.50	9.95	8.65	9.35	10.70	10.70	9.05	10.60	9.40	9.0
10.0		7.00	8.30	6.75	7.25	8.85	8.85	7.00	7.65	9.00	9.35	7.40	8.90	8.65	10.0
11.0				5.50	6.00	7.50	7.50	5.75	6.35	7.65	8.00	6.10	7.55	8.05	11.0
12.0				4.50	4.95	6.45	6.45	4.75	5.35	6.55	6.90	5.10	6.50	7.00	12.0
14.0				3.00	3.50	4.90	4.90	3.20	3.80	4.95	5.30	3.55	4.90	5.40	14.0
16.0								2.10	2.70	3.85	4.15	2.45	3.75	4.20	16.0
18.0												1.60	2.90	3.35	18.0
20.0												0.95	2.25	2.70	20.0
21.0												0.70	2.00	2.45	21.0
22.0															22.0
24.0															24.0
26.0															26.0
28.0															28.0
30.0															30.0
31.0															31.0
32.0															32.0
34.0															34.0
35.0															35.0
36.0															36.0
38.0															38.0
40.0															40.0
42.0															42.0
44.0															44.0
1	0	46	0	92	46	0	0	92	46	0	0	92	0	0	1
2	0	0	0	0	46	0	0	46	46	0	0	46	46	0	2
3	0	0	0	0	0	0	0	0	46	46	0	46	46	0	3
4	0	0	0	0	0	46	0	0	0	46	46	0	46	92	4
5	0	0	46	0	0	46	92	0	0	46	92	0	46	92	5
ID	1	23	2	24	25	12	3	26	27	13	4	28	14	5	ID
t	20.7	24.3	19.9	20.5	24.0	19.1	17.8	20.6	23.6	18.0	18.8	20.5	24.2	17.3	t
[DEG]	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	[DEG]
	20	9	5	9	8	5	5	8	8	5	5	7	5	4	
	Heavy load lifting device	50 t	35 t	50 t	50 t	35 t	35 t	50 t	50 t	35 t	35 t	50 t	35 t	35 t	

 m	27.7	27.7	27.7	31.2	31.2	31.2	34.7	34.7	34.7	38.2	38.2	41.7	41.7	45.2	48.0	m
1.6																1.6
2.0																2.0
2.5	25.00	25.00	18.40													2.5
3.0	25.00	25.00	17.60	20.00	20.00	16.70										3.0
3.5	25.00	25.00	16.90	20.00	19.80	16.10	18.40	15.00	14.70							3.5
4.0	25.00	25.00	16.20	20.00	19.20	15.60	18.40	15.00	14.70	15.00	12.50					4.0
4.5	24.60	25.00	15.60	20.00	18.60	15.10	18.40	14.90	14.40	15.00	12.50					4.5
5.0	21.40	22.60	14.80	20.00	18.10	14.60	18.40	14.50	14.10	15.00	12.50	12.10	11.00			5.0
5.5	18.80	19.90	14.00	18.60	17.60	14.20	17.80	14.20	13.70	15.00	12.50	12.10	11.00	9.70	7.50	5.5
6.0	16.70	17.80	13.30	16.70	17.10	13.60	16.00	13.80	13.40	15.00	12.50	12.10	11.00	9.70	7.50	6.0
6.5	15.00	16.00	12.70	15.00	15.90	13.00	14.40	13.40	13.00	14.10	12.50	12.10	11.00	9.70	7.50	6.5
7.0	13.50	14.50	12.10	13.60	14.40	12.30	13.10	13.00	12.70	12.80	12.20	12.10	11.00	9.70	7.50	7.0
8.0	11.10	12.00	11.10	11.30	12.10	11.30	10.90	12.00	11.90	10.70	11.70	10.60	11.00	9.70	7.50	8.0
9.0	9.30	10.20	10.30	9.50	10.30	10.30	9.20	10.20	10.60	9.10	10.10	9.05	9.65	9.10	7.50	9.0
10.0	7.85	8.65	9.55	8.10	8.90	9.50	7.85	8.90	9.20	7.80	8.75	7.80	8.40	7.90	7.50	10.0
11.0	6.60	7.30	8.25	6.95	7.65	8.15	6.75	7.75	8.10	6.75	7.65	6.75	7.35	6.85	6.75	11.0
12.0	5.55	6.25	7.15	6.00	6.60	7.05	5.85	6.80	7.05	5.85	6.75	5.90	6.45	6.00	5.90	12.0
14.0	4.00	4.65	5.50	4.40	5.00	5.40	4.40	5.20	5.45	4.45	5.25	4.55	5.05	4.70	4.60	14.0
16.0	2.85	3.50	4.35	3.25	3.85	4.25	3.25	4.00	4.25	3.35	4.10	3.50	4.00	3.65	3.60	16.0
18.0	2.00	2.65	3.50	2.45	3.00	3.40	2.40	3.15	3.40	2.55	3.25	2.70	3.10	2.85	2.80	18.0
20.0	1.35	2.00	2.80	1.75	2.30	2.70	1.75	2.50	2.70	1.85	2.55	2.05	2.45	2.20	2.20	20.0
21.0	1.05	1.75	2.55	1.45	2.05	2.45	1.45	2.20	2.45	1.60	2.30	1.75	2.15	1.95	1.90	21.0
22.0	0.80	1.50	2.30	1.20	1.80	2.20	1.20	1.95	2.20	1.30	2.05	1.50	1.90	1.70	1.65	22.0
24.0		1.05	1.90	0.75	1.35	1.75	0.75	1.50	1.75	0.85	1.60	1.00	1.45	1.25	1.25	24.0
26.0					0.95	1.40		1.15	1.35		1.20		1.05	0.85		26.0
28.0					0.70	1.10		0.80	1.05		0.85		0.75			28.0
30.0								0.55	0.80		0.60					30.0
31.0									0.65							31.0
32.0																32.0
34.0																34.0
35.0																35.0
36.0																36.0
38.0																38.0
40.0																40.0
42.0																42.0
44.0																44.0
1	92	46	0	92	46	0	92	46	0	92	0	92	46	92	100	1
2	46	46	0	46	46	0	92	46	46	92	92	92	92	92	100	2
3	46	46	46	46	46	92	46	46	92	92	92	92	92	92	100	3
4	46	46	92	46	46	92	46	92	92	46	92	92	92	92	100	4
5	0	46	92	46	92	92	46	92	92	46	92	46	92	92	100	5
ID	29	15	6	16	17	7	19	18	8	20	9	21	10	11	22	ID
t	20.1	22.2	17.0	20.0	20.0	16.7	18.4	15.0	14.7	15.0	12.5	12.1	11.0	9.7	7.5	t
[DEG]	17 - 84	0 - 84	0 - 84	28 - 84	0 - 84	0 - 84	34 - 84	0 - 84	0 - 84	40 - 84	30 - 84	44 - 84	37 - 84	47 - 84	51 - 84	[DEG]
	5	5	4	4	4	4	4	3	3	3	3	3	3	3	3	
	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	

Boom



 m	10.2
1.6	100.00
2.0	84.00
2.5	73.10
3.0	65.50
3.5	59.10
4.0	53.70
4.5	49.00
5.0	44.70
5.5	40.30
6.0	36.60
6.5	33.50
7.0	30.80
8.0	
9.0	
10.0	
11.0	
12.0	
14.0	
16.0	
18.0	
20.0	
21.0	
22.0	
24.0	
26.0	
28.0	
30.0	
31.0	
32.0	
34.0	
35.0	
36.0	
38.0	
40.0	
42.0	
44.0	
 %	
1	0
2	0
3	0
4	0
5	0
ID	1
 t	20.7
 [DEG]	0 - 84
 20	
	Heavy load lifting device

 m	10.2	13.7	13.7	17.2	17.2	17.2	17.2	20.7	20.7	20.7	20.7	24.2	24.2	24.2	m
1.6	75.00														1.6
2.0		45.00	25.00	45.00	40.00	25.00	21.60	40.00	40.00	25.00	23.00	35.00	25.00	19.90	2.0
2.5	73.10	45.00	25.00	45.00	40.00	25.00	19.90	40.00	40.00	25.00	21.40	35.00	25.00	18.90	2.5
3.0	65.50	45.00	25.00	45.00	40.00	25.00	18.50	40.00	40.00	25.00	20.10	35.00	25.00	17.90	3.0
3.5	59.10	45.00	24.10	45.00	40.00	25.00	17.30	40.00	40.00	25.00	18.90	35.00	25.00	16.80	3.5
4.0	53.70	45.00	22.80	42.90	40.00	25.00	16.20	38.60	40.00	25.00	17.70	33.80	25.00	15.70	4.0
4.5	49.00	45.00	21.70	40.20	40.00	23.80	15.20	36.30	40.00	25.00	16.60	32.40	25.00	14.70	4.5
5.0	44.70	44.50	20.60	37.70	40.00	22.50	14.40	34.30	39.50	24.70	15.70	30.60	25.00	13.90	5.0
5.5	40.30	40.10	19.70	35.50	40.00	21.30	13.60	32.50	37.60	23.50	14.80	28.90	24.90	13.10	5.5
6.0	36.60	36.40	18.90	33.60	36.70	20.30	12.90	30.90	35.90	22.40	14.10	27.40	23.90	12.40	6.0
6.5	33.50	33.30	18.10	31.80	33.60	19.30	12.30	29.40	33.90	21.50	13.40	26.10	23.00	11.80	6.5
7.0	30.80	30.60	17.40	30.20	30.90	18.50	11.70	28.00	31.20	20.60	12.70	24.90	22.10	11.20	7.0
8.0		26.20	16.20	26.00	26.50	16.90	10.70	25.40	26.80	19.00	11.60	22.70	20.50	10.20	8.0
9.0		22.80	15.20	22.70	23.10	15.60	9.95	22.90	23.40	17.50	10.70	20.90	19.20	9.40	9.0
10.0		20.10	14.50	19.90	20.40	14.60	9.20	20.20	20.70	16.30	9.95	19.30	18.00	8.65	10.0
11.0				16.70	17.40	13.60	8.60	17.10	17.90	15.20	9.25	17.60	16.80	8.05	11.0
12.0				14.10	14.80	12.80	8.10	14.50	15.30	14.20	8.65	15.00	15.80	7.50	12.0
14.0				10.50	11.20	11.60	7.30	10.80	11.60	12.70	7.70	11.30	13.10	6.60	14.0
16.0								8.35	9.10	10.60	6.90	8.75	10.50	5.90	16.0
18.0												6.90	8.60	5.30	18.0
20.0												5.50	7.15	4.85	20.0
21.0												4.95	6.55	4.65	21.0
22.0															22.0
24.0															24.0
26.0															26.0
28.0															28.0
30.0															30.0
31.0															31.0
32.0															32.0
34.0															34.0
35.0															35.0
36.0															36.0
38.0															38.0
40.0															40.0
42.0															42.0
44.0															44.0
 %															
1	0	46	0	92	46	0	0	92	46	0	0	92	0	0	1
2	0	0	0	0	46	0	0	46	46	0	0	46	46	0	2
3	0	0	0	0	0	0	0	0	46	46	0	46	46	0	3
4	0	0	0	0	0	46	0	0	46	46	46	0	46	92	4
5	0	0	46	0	0	46	92	0	0	46	92	0	46	92	5
ID	1	23	2	24	25	12	3	26	27	13	4	28	14	5	ID
 t	20.7	24.3	19.9	20.5	24.0	19.1	17.8	20.6	23.6	18.0	18.8	20.5	24.2	17.3	t
 [DEG]	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	[DEG]
 20		9	5	9	8	5	5	8	8	5	5	7	5	4	
	Heavy load lifting device	50 t	35 t	50 t	50 t	35 t	35 t	50 t	50 t	35 t	35 t	50 t	35 t	35 t	

	m	27.7	27.7	27.7	31.2	31.2	31.2	34.7	34.7	34.7	38.2	38.2	41.7	41.7	45.2	48.0	m
	1.6																1.6
	2.0																2.0
	2.5	25.00	25.00	18.40													2.5
	3.0	25.00	25.00	17.60	20.00	20.00	16.70										3.0
	3.5	25.00	25.00	16.90	20.00	19.80	16.10	18.40	15.00	14.70							3.5
	4.0	25.00	25.00	16.20	20.00	19.20	15.60	18.40	15.00	14.70	15.00	12.50					4.0
	4.5	25.00	25.00	15.60	20.00	18.60	15.10	18.40	14.90	14.40	15.00	12.50					4.5
	5.0	25.00	25.00	14.80	20.00	18.10	14.60	18.40	14.50	14.10	15.00	12.50	12.10	11.00			5.0
	5.5	25.00	25.00	14.00	20.00	17.60	14.20	18.40	14.20	13.70	15.00	12.50	12.10	11.00	9.70	7.50	5.5
	6.0	24.90	24.90	13.30	20.00	17.10	13.60	18.40	13.80	13.40	15.00	12.50	12.10	11.00	9.70	7.50	6.0
	6.5	24.00	24.10	12.70	20.00	16.40	13.00	18.40	13.40	13.00	15.00	12.50	12.10	11.00	9.70	7.50	6.5
	7.0	22.90	23.20	12.10	20.00	15.80	12.30	18.10	13.00	12.70	15.00	12.20	12.10	11.00	9.70	7.50	7.0
	8.0	21.00	21.70	11.10	19.20	14.70	11.30	16.80	12.40	11.90	14.90	11.70	12.10	11.00	9.70	7.50	8.0
	9.0	19.30	20.40	10.30	18.00	13.70	10.30	15.60	11.60	11.00	14.10	11.20	12.10	10.90	9.70	7.50	9.0
	10.0	17.80	19.20	9.55	16.80	12.90	9.55	14.50	10.90	10.20	13.20	10.60	11.90	10.60	9.70	7.50	10.0
	11.0	16.60	18.10	8.90	15.60	12.10	8.85	13.60	10.20	9.50	12.40	9.95	11.30	10.20	9.70	7.50	11.0
	12.0	15.50	16.60	8.35	14.60	11.40	8.25	12.80	9.65	8.90	11.60	9.35	10.70	9.65	9.60	7.50	12.0
	14.0	11.90	12.80	7.40	12.50	10.30	7.25	11.40	8.65	7.90	10.30	8.25	9.55	8.65	8.85	7.15	14.0
	16.0	9.30	10.20	6.60	9.85	9.40	6.45	9.85	7.80	7.05	9.30	7.35	8.60	7.75	8.10	6.50	16.0
	18.0	7.40	8.25	6.00	7.95	8.60	5.80	7.95	7.15	6.35	8.10	6.55	7.80	7.00	7.35	5.95	18.0
	20.0	6.00	6.80	5.50	6.50	7.20	5.25	6.45	6.55	5.80	6.65	5.95	6.85	6.35	6.70	5.30	20.0
	21.0	5.40	6.20	5.25	5.90	6.60	5.00	5.85	6.30	5.55	6.05	5.65	6.25	6.05	6.40	5.00	21.0
	22.0	4.85	5.70	5.05	5.35	6.05	4.75	5.30	6.05	5.30	5.50	5.40	5.70	5.80	5.95	4.75	22.0
	24.0	4.00	4.80	4.70	4.40	5.15	4.40	4.40	5.35	4.90	4.55	4.95	4.75	5.25	5.00	4.30	24.0
	26.0				3.70	4.40	4.05	3.65	4.55	4.50	3.80	4.55	4.00	4.50	4.20	3.85	26.0
	28.0				3.10	3.75	3.75	3.00	3.90	4.20	3.15	4.00	3.35	3.85	3.60	3.50	28.0
	30.0							2.50	3.40	3.65	2.60	3.45	2.80	3.30	3.05	3.05	30.0
	31.0							2.25	3.15	3.45	2.35	3.20	2.55	3.05	2.80	2.80	31.0
32.0										2.15	3.00	2.35	2.85	2.55	2.55	32.0	
34.0										1.75	2.60	1.95	2.40	2.15	2.15	34.0	
35.0										1.60	2.45	1.75	2.25	1.95	1.95	35.0	
36.0												1.60	2.05	1.80	1.80	36.0	
38.0												1.30	1.80	1.50	1.50	38.0	
40.0														1.20	1.20	40.0	
42.0														1.00	0.95	42.0	
44.0															0.75	44.0	
	1	92	46	0	92	46	0	92	46	0	92	0	92	46	92	100	1
	2	46	46	0	46	46	0	92	46	46	92	92	92	92	92	100	2
	3	46	46	46	46	46	92	46	46	92	92	92	92	92	92	100	3
	4	46	46	92	46	46	92	46	92	92	46	92	92	92	92	100	4
	5	0	46	92	46	92	92	46	92	92	46	92	46	92	92	100	5
ID	29	15	6	16	17	7	19	18	8	20	9	21	10	11	22	ID	
	t	20.1	22.2	17.0	20.0	20.0	16.7	18.4	15.0	14.7	15.0	12.5	12.1	11.0	9.7	7.5	t
	[DEG]	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	[DEG]
		5	5	4	4	4	4	4	3	3	3	3	3	3	3	3	
		35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	

					
MB		0.0 t	Smart Chart 2	SMART CHART	JPN

 m	10.2	13.7	13.7	17.2	17.2	17.2	17.2	20.7	20.7	20.7	20.7	24.2	24.2	24.2	m
															
1.6	75.00														1.6
2.0	75.00	45.00	25.00	45.00	40.00	25.00	21.60	40.00	40.00	25.00	23.00	35.00	25.00	19.90	2.0
2.5	69.90	45.00	25.00	45.00	40.00	25.00	19.90	40.00	40.00	25.00	21.40	35.00	25.00	18.90	2.5
3.0	62.50	45.00	25.00	45.00	40.00	25.00	18.50	40.00	40.00	25.00	20.10	35.00	25.00	17.90	3.0
3.5	56.30	45.00	24.10	45.00	40.00	25.00	17.30	40.00	40.00	25.00	18.90	35.00	25.00	16.80	3.5
4.0	51.00	45.00	22.80	42.90	40.00	25.00	16.20	38.60	40.00	25.00	17.70	33.80	25.00	15.70	4.0
4.5	46.50	45.00	21.70	40.20	40.00	23.80	15.20	36.30	40.00	25.00	16.60	32.40	25.00	14.70	4.5
5.0	42.60	42.50	20.60	37.70	40.00	22.50	14.40	34.30	39.50	24.70	15.70	30.60	25.00	13.90	5.0
5.5	39.20	39.00	19.70	35.50	39.30	21.30	13.60	32.50	37.60	23.50	14.80	28.90	24.90	13.10	5.5
6.0	36.20	36.10	18.90	33.60	36.30	20.30	12.90	30.90	35.90	22.40	14.10	27.40	23.90	12.40	6.0
6.5	33.50	33.30	18.10	31.80	33.60	19.30	12.30	29.40	33.90	21.50	13.40	26.10	23.00	11.80	6.5
7.0	30.80	30.60	17.40	30.20	30.90	18.50	11.70	28.00	31.20	20.60	12.70	24.90	22.10	11.20	7.0
8.0		26.20	16.20	26.00	26.50	16.90	10.70	25.40	26.80	19.00	11.60	22.70	20.50	10.20	8.0
9.0		22.80	15.20	22.50	23.10	15.60	9.95	22.90	23.40	17.50	10.70	20.90	19.20	9.40	9.0
10.0		18.80	14.50	18.50	19.20	14.60	9.20	18.90	19.80	16.30	9.95	19.30	18.00	8.65	10.0
11.0				15.40	16.10	13.60	8.60	15.80	16.70	15.20	9.25	16.30	16.80	8.05	11.0
12.0				12.70	13.40	12.80	8.10	13.10	13.90	14.20	8.65	13.60	15.40	7.50	12.0
14.0				9.10	9.70	11.50	7.30	9.40	10.10	11.60	7.70	9.80	11.50	6.60	14.0
16.0								7.00	7.70	9.05	6.90	7.40	8.95	5.90	16.0
18.0												5.70	7.15	5.30	18.0
20.0												4.45	5.85	4.85	20.0
21.0												3.95	5.35	4.65	21.0
22.0															22.0
24.0															24.0
26.0															26.0
28.0															28.0
30.0															30.0
31.0															31.0
32.0															32.0
34.0															34.0
35.0															35.0
36.0															36.0
38.0															38.0
40.0															40.0
42.0															42.0
44.0															44.0
1	0	46	0	92	46	0	0	92	46	0	0	92	0	0	1
2	0	0	0	0	46	0	0	46	46	0	0	46	46	0	2
3	0	0	0	0	0	0	0	0	46	46	0	46	46	0	3
4	0	0	0	0	0	46	0	0	0	46	46	0	46	92	4
5	0	0	46	0	0	46	92	0	0	46	92	0	46	92	5
ID	1	23	2	24	25	12	3	26	27	13	4	28	14	5	ID
t	20.7	24.3	19.9	20.5	24.0	19.1	17.8	20.6	23.6	18.0	18.8	20.5	24.2	17.3	t
[DEG]	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	[DEG]
	20	9	5	9	8	5	5	8	8	5	5	7	5	4	
Heavy load lifting device		50 t	35 t	50 t	50 t	35 t	35 t	50 t	50 t	35 t	35 t	50 t	35 t	35 t	

 m	27.7	27.7	27.7	31.2	31.2	31.2	34.7	34.7	34.7	38.2	38.2	41.7	41.7	45.2	48.0	m
																
1.6																1.6
2.0																2.0
2.5	25.00	25.00	18.40													2.5
3.0	25.00	25.00	17.60	20.00	20.00	16.70										3.0
3.5	25.00	25.00	16.90	20.00	19.80	16.10	18.40	15.00	14.70							3.5
4.0	25.00	25.00	16.20	20.00	19.20	15.60	18.40	15.00	14.70	15.00	12.50					4.0
4.5	25.00	25.00	15.60	20.00	18.60	15.10	18.40	14.90	14.40	15.00	12.50					4.5
5.0	25.00	25.00	14.80	20.00	18.10	14.60	18.40	14.50	14.10	15.00	12.50	12.10	11.00			5.0
5.5	25.00	25.00	14.00	20.00	17.60	14.20	18.40	14.20	13.70	15.00	12.50	12.10	11.00	9.70	7.50	5.5
6.0	24.90	24.90	13.30	20.00	17.10	13.60	18.40	13.80	13.40	15.00	12.50	12.10	11.00	9.70	7.50	6.0
6.5	24.00	24.10	12.70	20.00	16.40	13.00	18.40	13.40	13.00	15.00	12.50	12.10	11.00	9.70	7.50	6.5
7.0	22.90	23.20	12.10	20.00	15.80	12.30	18.10	13.00	12.70	15.00	12.20	12.10	11.00	9.70	7.50	7.0
8.0	21.00	21.70	11.10	19.20	14.70	11.30	16.80	12.40	11.90	14.90	11.70	12.10	11.00	9.70	7.50	8.0
9.0	19.30	20.40	10.30	18.00	13.70	10.30	15.60	11.60	11.00	14.10	11.20	12.10	10.90	9.70	7.50	9.0
10.0	17.80	19.20	9.55	16.80	12.90	9.55	14.50	10.90	10.20	13.20	10.60	11.90	10.60	9.70	7.50	10.0
11.0	16.60	18.00	8.90	15.60	12.10	8.85	13.60	10.20	9.50	12.40	9.95	11.30	10.20	9.70	7.50	11.0
12.0	14.20	15.10	8.35	14.60	11.40	8.25	12.80	9.65	8.90	11.60	9.35	10.70	9.65	9.60	7.50	12.0
14.0	10.30	11.20	7.40	10.90	10.30	7.25	10.80	8.65	7.90	10.30	8.25	9.55	8.65	8.85	7.15	14.0
16.0	7.85	8.65	6.60	8.35	9.05	6.45	8.35	7.80	7.05	8.50	7.35	8.60	7.75	8.10	6.50	16.0
18.0	6.15	6.90	6.00	6.60	7.25	5.80	6.60	7.15	6.35	6.75	6.55	6.95	7.00	7.15	5.95	18.0
20.0	4.85	5.60	5.50	5.30	5.95	5.25	5.30	6.10	5.80	5.45	5.95	5.60	6.10	5.85	5.30	20.0
21.0	4.35	5.05	5.25	4.75	5.40	5.00	4.75	5.60	5.55	4.90	5.65	5.05	5.55	5.30	5.00	21.0
22.0	3.90	4.60	5.05	4.30	4.90	4.75	4.30	5.10	5.30	4.40	5.20	4.60	5.05	4.80	4.75	22.0
24.0	3.15	3.80	4.70	3.50	4.10	4.40	3.50	4.30	4.55	3.60	4.35	3.80	4.25	4.00	4.00	24.0
26.0				2.90	3.45	3.90	2.85	3.60	3.85	3.00	3.70	3.15	3.55	3.35	3.35	26.0
28.0				2.40	2.95	3.40	2.35	3.10	3.35	2.45	3.15	2.60	3.05	2.80	2.80	28.0
30.0							1.90	2.65	2.90	2.00	2.70	2.15	2.55	2.35	2.35	30.0
31.0							1.70	2.45	2.70	1.80	2.50	1.95	2.35	2.15	2.15	31.0
32.0										1.60	2.30	1.75	2.20	1.95	1.95	32.0
34.0										1.25	2.00	1.40	1.85	1.60	1.60	34.0
35.0										1.10	1.85	1.25	1.70	1.45	1.45	35.0
36.0												1.10	1.55	1.30	1.30	36.0
38.0												0.85	1.30	1.05	1.05	38.0
40.0														0.80	0.80	40.0
42.0														0.60		42.0
44.0																44.0
1	92	46	0	92	46	0	92	46	0	92	0	92	46	92	100	1
2	46	46	0	46	46	0	92	46	46	92	92	92	92	92	100	2
3	46	46	46	46	46	92	46	46	92	92	92	92	92	92	100	3
4	46	46	92	46	46	92	46	92	92	46	92	92	92	92	100	4
5	0	46	92	46	92	92	46	92	92	46	92	46	92	92	100	5
ID	29	15	6	16	17	7	19	18	8	20	9	21	10	11	22	ID
t	20.1	22.2	17.0	20.0	20.0	16.7	18.4	15.0	14.7	15.0	12.5	12.1	11.0	9.7	7.5	t
[DEG]	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	[DEG]
	5	5	4	4	4	4	4	3	3	3	3	3	3	3	3	</

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	m	10.2	13.7	13.7	17.2	17.2	17.2	17.2	20.7	20.7	20.7	20.7	24.2	24.2	24.2	m
	1.6	75.00														1.6
	2.0	75.00	45.00	25.00	45.00	40.00	25.00	21.60	40.00	40.00	25.00	23.00	35.00	25.00	19.90	2.0
	2.5	69.90	45.00	25.00	45.00	40.00	25.00	19.90	40.00	40.00	25.00	21.40	35.00	25.00	18.90	2.5
	3.0	62.50	45.00	25.00	45.00	40.00	25.00	18.50	40.00	40.00	25.00	20.10	35.00	25.00	17.90	3.0
	3.5	56.30	45.00	24.10	45.00	40.00	25.00	17.30	40.00	40.00	25.00	18.90	35.00	25.00	16.80	3.5
	4.0	51.00	45.00	22.80	42.90	40.00	25.00	16.20	38.60	40.00	25.00	17.70	33.80	25.00	15.70	4.0
	4.5	46.50	45.00	21.70	40.20	40.00	23.80	15.20	36.30	40.00	25.00	16.60	32.40	25.00	14.70	4.5
	5.0	42.60	42.50	20.60	37.70	40.00	22.50	14.40	34.30	39.50	24.70	15.70	30.60	25.00	13.90	5.0
	5.5	39.20	39.00	19.70	35.50	39.30	21.30	13.60	32.50	37.60	23.50	14.80	28.90	24.90	13.10	5.5
	6.0	36.20	36.10	18.90	33.60	36.30	20.30	12.90	30.90	35.90	22.40	14.10	27.40	23.90	12.40	6.0
	6.5	33.50	33.30	18.10	31.80	33.60	19.30	12.30	29.40	33.90	21.50	13.40	26.10	23.00	11.80	6.5
	7.0	30.80	30.60	17.40	30.20	30.90	18.50	11.70	28.00	31.20	20.60	12.70	24.90	22.10	11.20	7.0
	8.0		24.60	16.20	24.30	25.00	16.90	10.70	24.70	25.60	19.00	11.60	22.70	20.50	10.20	8.0
	9.0		19.00	15.20	18.60	19.40	15.60	9.95	19.00	19.90	17.50	10.70	19.60	19.20	9.40	9.0
	10.0		15.10	14.50	14.80	15.50	14.60	9.20	15.20	16.00	16.30	9.95	15.70	17.60	8.65	10.0
	11.0				12.10	12.70	13.60	8.60	12.40	13.20	14.80	9.25	12.90	14.70	8.05	11.0
	12.0				10.10	10.70	12.50	8.10	10.40	11.10	12.60	8.65	10.80	12.50	7.50	12.0
	14.0				7.25	7.80	9.45	7.30	7.50	8.15	9.55	7.70	7.90	9.45	6.60	14.0
	16.0								5.55	6.20	7.50	6.90	5.95	7.40	5.90	16.0
	18.0												4.55	5.95	5.30	18.0
	20.0												3.50	4.85	4.85	20.0
	21.0												3.10	4.40	4.65	21.0
	22.0															22.0
	24.0															24.0
	26.0															26.0
	28.0															28.0
	30.0															30.0
	31.0															31.0
	32.0															32.0
	34.0															34.0
	35.0															35.0
	36.0															36.0
	38.0															38.0
	40.0															40.0
	42.0															42.0
	44.0															44.0
	1	0	46	0	92	46	0	0	92	46	0	0	92	0	0	1
	2	0	0	0	0	46	0	0	46	46	0	0	46	46	0	2
	3	0	0	0	0	0	0	0	0	46	46	0	46	46	0	3
	4	0	0	0	0	0	46	0	0	0	46	46	0	46	92	4
	5	0	0	46	0	0	46	92	0	0	46	92	0	46	92	5
ID	1	23	2	24	25	12	3	26	27	13	4	28	14	5	ID	
	t	20.7	24.3	19.9	20.5	24.0	19.1	17.8	20.6	23.6	18.0	18.8	20.5	24.2	17.3	t
	[DEG]	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	[DEG]
		20	9	5	9	8	5	5	8	8	5	5	7	5	4	
	Heavy load lifting device		50 t	35 t	50 t	50 t	35 t	35 t	50 t	50 t	35 t	35 t	50 t	35 t	35 t	

	m	27.7	27.7	27.7	31.2	31.2	31.2	34.7	34.7	34.7	38.2	38.2	41.7	41.7	45.2	48.0	m
	1.6																1.6
	2.0																2.0
	2.5	25.00	25.00	18.40													2.5
	3.0	25.00	25.00	17.60	20.00	20.00	16.70										3.0
	3.5	25.00	25.00	16.90	20.00	19.80	16.10	18.40	15.00	14.70							3.5
	4.0	25.00	25.00	16.20	20.00	19.20	15.60	18.40	15.00	14.70	15.00	12.50					4.0
	4.5	25.00	25.00	15.60	20.00	18.60	15.10	18.40	14.90	14.40	15.00	12.50					4.5
	5.0	25.00	25.00	14.80	20.00	18.10	14.60	18.40	14.50	14.10	15.00	12.50	12.10	11.00			5.0
	5.5	25.00	25.00	14.00	20.00	17.60	14.20	18.40	14.20	13.70	15.00	12.50	12.10	11.00	9.70	7.50	5.5
	6.0	24.90	24.90	13.30	20.00	17.10	13.60	18.40	13.80	13.40	15.00	12.50	12.10	11.00	9.70	7.50	6.0
	6.5	24.00	24.10	12.70	20.00	16.40	13.00	18.40	13.40	13.00	15.00	12.50	12.10	11.00	9.70	7.50	6.5
	7.0	22.90	23.20	12.10	20.00	15.80	12.30	18.10	13.00	12.70	15.00	12.20	12.10	11.00	9.70	7.50	7.0
	8.0	21.00	21.70	11.10	19.20	14.70	11.30	16.80	12.40	11.90	14.90	11.70	12.10	11.00	9.70	7.50	8.0
	9.0	19.30	20.40	10.30	18.00	13.70	10.30	15.60	11.60	11.00	14.10	11.20	12.10	10.90	9.70	7.50	9.0
	10.0	16.30	17.30	9.55	16.80	12.90	9.55	14.50	10.90	10.20	13.20	10.60	11.90	10.60	9.70	7.50	10.0
	11.0	13.50	14.40	8.90	14.10	12.10	8.85	13.60	10.20	9.50	12.40	9.95	11.30	10.20	9.70	7.50	11.0
	12.0	11.40	12.20	8.35	11.90	11.40	8.25	11.90	9.65	8.90	11.60	9.35	10.70	9.65	9.60	7.50	12.0
	14.0	8.40	9.15	7.40	8.90	9.55	7.25	8.85	8.65	7.90	9.05	8.25	9.25	8.65	8.85	7.15	14.0
	16.0	6.40	7.10	6.60	6.85	7.50	6.45	6.85	7.70	7.05	7.70	7.35	7.20	7.65	7.40	6.50	16.0
	18.0	4.95	5.65	6.00	5.40	6.00	5.80	5.40	6.20	6.35	5.50	6.30	5.70	6.15	5.95	5.95	18.0
	20.0	3.90	4.55	5.45	4.30	4.90	5.25	4.30	5.10	5.35	4.40	5.15	4.60	5.05	4.80	4.80	20.0
	21.0	3.45	4.10	5.00	3.85	4.45	4.90	3.85	4.65	4.90	3.95	4.70	4.15	4.60	4.35	4.35	21.0
	22.0	3.05	3.75	4.60	3.45	4.05	4.45	3.45	4.20	4.45	3.55	4.30	3.75	4.15	3.95	3.95	22.0
	24.0	2.40	3.05	3.90	2.80	3.35	3.75	2.75	3.50	3.75	2.90	3.60	3.05	3.45	3.25	3.25	24.0
	26.0				2.25	2.80	3.20	2.20	2.95	3.20	2.35	3.00	2.50	2.90	2.70	2.70	26.0
	28.0				1.80	2.35	2.75	1.75	2.50	2.70	1.85	2.55	2.00	2.45	2.20	2.20	28.0
	30.0							1.35	2.10	2.35	1.45	2.15	1.60	2.05	1.80	1.80	30.0
	31.0							1.15	1.95	2.15	1.25	2.00	1.40	1.85	1.65	1.65	31.0
	32.0										1.10	1.80	1.25	1.70	1.45	1.45	32.0
	34.0										0.80	1.55	0.95	1.40	1.15	1.15	34.0
	35.0										0.65	1.40	0.80	1.25	1.00	1.00	35.0
	36.0												0.70	1.10	0.85	0.85	36.0
	38.0													0.90	0.65	0.65	38.0
	40.0																40.0
	42.0																42.0
	44.0																44.0
	1	92	46	0	92	46	0	92	46	0	92	0	92	46	92	100	1
	2	46	46	0	46	46	0	92	46	46	92	92	92	92	92	100	2
	3	46	46	46	46	46	92	46	46	92	92	92	92	92	92	100	3
	4	46	46	92	46	46	92	46	92	92	46	92	92	92	92	100	4
	5	0	46	92	46	92	92	46	92	92	46	92	46	92	92	100	5
	ID	29	15	6	16	17	7	19	18	8	20	9	21	10	11	22	ID
	t	20.1	22.2	17.0	20.0	20.0	16.7	18.4	15.0	14.7	15.0	12.5	12.1	11.0	9.7	7.5	t
	[DEG]	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	23 - 84	33 - 84	[DEG]
		5	5	4	4	4	4	4	3	3	3	3	3	3	3	3	
		35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	

					
MB		0.0 t	7.6 m	360°	JPN

 m	10.2	13.7	13.7	17.2	17.2	17.2	17.2	20.7	20.7	20.7	20.7	24.2	24.2	24.2	m
1.6	75.00														1.6
2.0	75.00	45.00	25.00	45.00	40.00	25.00	21.60	40.00	40.00	25.00	23.00	35.00	25.00	19.90	2.0
2.5	69.30	45.00	25.00	45.00	40.00	25.00	19.90	40.00	40.00	25.00	21.40	35.00	25.00	18.90	2.5
3.0	61.90	45.00	25.00	45.00	40.00	25.00	18.50	40.00	40.00	25.00	20.10	35.00	25.00	17.90	3.0
3.5	55.70	45.00	24.10	45.00	40.00	25.00	17.30	40.00	40.00	25.00	18.90	35.00	25.00	16.80	3.5
4.0	50.50	45.00	22.80	42.90	40.00	25.00	16.20	38.60	40.00	25.00	17.70	33.80	25.00	15.70	4.0
4.5	46.00	45.00	21.70	40.20	40.00	23.80	15.20	36.30	40.00	25.00	16.60	32.40	25.00	14.70	4.5
5.0	42.10	42.00	20.60	37.70	40.00	22.50	14.40	34.30	39.50	24.70	15.70	30.60	25.00	13.90	5.0
5.5	38.70	38.60	19.70	35.50	38.80	21.30	13.60	32.50	37.60	23.50	14.80	28.90	24.90	13.10	5.5
6.0	35.80	35.60	18.90	33.60	35.80	20.30	12.90	30.90	35.90	22.40	14.10	27.40	23.90	12.40	6.0
6.5	33.10	33.00	18.10	31.80	33.20	19.30	12.30	29.40	33.50	21.50	13.40	26.10	23.00	11.80	6.5
7.0	30.80	30.60	17.40	30.20	30.90	18.50	11.70	28.00	31.20	20.60	12.70	24.90	22.10	11.20	7.0
8.0		23.30	16.20	23.00	23.80	16.90	10.70	23.40	24.40	19.00	11.60	22.70	20.50	10.20	8.0
9.0		18.00	15.20	17.70	18.40	15.60	9.95	18.10	19.00	17.50	10.70	18.60	19.20	9.40	9.0
10.0		14.40	14.50	14.10	14.80	14.60	9.20	14.40	15.30	16.30	9.95	14.90	16.80	8.65	10.0
11.0				11.50	12.10	13.60	8.60	11.80	12.60	14.20	9.25	12.30	14.10	8.05	11.0
12.0				9.60	10.20	11.90	8.10	9.90	10.60	12.10	8.65	10.30	12.00	7.50	12.0
14.0				6.85	7.40	9.05	7.30	7.10	7.80	9.15	7.70	7.50	9.05	6.60	14.0
16.0								5.25	5.90	7.20	6.90	5.60	7.10	5.90	16.0
18.0												4.30	5.65	5.30	18.0
20.0												3.30	4.60	4.85	20.0
21.0												2.90	4.20	4.65	21.0
22.0															22.0
24.0															24.0
26.0															26.0
28.0															28.0
30.0															30.0
31.0															31.0
32.0															32.0
34.0															34.0
35.0															35.0
36.0															36.0
38.0															38.0
40.0															40.0
42.0															42.0
44.0															44.0
1	0	46	0	92	46	0	0	92	46	0	0	92	0	0	1
2	0	0	0	0	46	0	0	46	46	0	0	46	46	0	2
3	0	0	0	0	0	0	0	0	46	46	0	46	46	0	3
4	0	0	0	0	0	46	0	0	0	46	46	0	46	92	4
5	0	0	46	0	0	46	92	0	0	46	92	0	46	92	5
ID	1	23	2	24	25	12	3	26	27	13	4	28	14	5	ID
t	20.7	24.3	19.9	20.5	24.0	19.1	17.8	20.6	23.6	18.0	18.8	20.5	24.2	17.3	t
[DEG]	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	[DEG]
	20	9	5	9	8	5	5	8	8	5	5	7	5	4	
	Heavy load lifting device	50 t	35 t	50 t	50 t	35 t	35 t	50 t	50 t	35 t	35 t	50 t	35 t	35 t	

 m	27.7	27.7	27.7	31.2	31.2	31.2	34.7	34.7	34.7	38.2	38.2	41.7	41.7	45.2	48.0	m
1.6																1.6
2.0																2.0
2.5	25.00	25.00	18.40													2.5
3.0	25.00	25.00	17.60	20.00	20.00	16.70										3.0
3.5	25.00	25.00	16.90	20.00	19.80	16.10	18.40	15.00	14.70							3.5
4.0	25.00	25.00	16.20	20.00	19.20	15.60	18.40	15.00	14.70	15.00	12.50					4.0
4.5	25.00	25.00	15.60	20.00	18.60	15.10	18.40	14.90	14.40	15.00	12.50					4.5
5.0	25.00	25.00	14.80	20.00	18.10	14.60	18.40	14.50	14.10	15.00	12.50	12.10	11.00			5.0
5.5	25.00	25.00	14.00	20.00	17.60	14.20	18.40	14.20	13.70	15.00	12.50	12.10	11.00	9.70	7.50	5.5
6.0	24.90	24.90	13.30	20.00	17.10	13.60	18.40	13.80	13.40	15.00	12.50	12.10	11.00	9.70	7.50	6.0
6.5	24.00	24.10	12.70	20.00	16.40	13.00	18.40	13.40	13.00	15.00	12.50	12.10	11.00	9.70	7.50	6.5
7.0	22.90	23.20	12.10	20.00	15.80	12.30	18.10	13.00	12.70	15.00	12.20	12.10	11.00	9.70	7.50	7.0
8.0	21.00	21.70	11.10	19.20	14.70	11.30	16.80	12.40	11.90	14.90	11.70	12.10	11.00	9.70	7.50	8.0
9.0	19.00	20.20	10.30	18.00	13.70	10.30	15.60	11.60	11.00	14.10	11.20	12.10	10.90	9.70	7.50	9.0
10.0	15.60	16.50	9.55	16.10	12.90	9.55	14.50	10.90	10.20	13.20	10.60	11.90	10.60	9.70	7.50	10.0
11.0	12.90	13.80	8.90	13.40	12.10	8.85	13.40	10.20	9.50	12.40	9.95	11.30	10.20	9.70	7.50	11.0
12.0	10.80	11.70	8.35	11.40	11.40	8.25	11.40	9.65	8.90	11.60	9.35	10.70	9.65	9.60	7.50	12.0
14.0	8.00	8.75	7.40	8.50	9.15	7.25	8.50	8.65	7.90	8.65	8.25	8.85	8.65	8.85	7.15	14.0
16.0	6.05	6.80	6.60	6.55	7.20	6.45	6.50	7.40	7.05	6.70	7.35	6.85	7.35	7.10	6.50	16.0
18.0	4.70	5.40	6.00	5.15	5.75	5.80	5.10	5.95	6.20	5.25	6.05	5.45	5.90	5.65	5.65	18.0
20.0	3.65	4.35	5.20	4.10	4.70	5.10	4.05	4.85	5.10	4.20	4.95	4.35	4.80	4.60	4.60	20.0
21.0	3.25	3.90	4.75	3.65	4.25	4.65	3.65	4.40	4.65	3.75	4.50	3.95	4.35	4.15	4.15	21.0
22.0	2.85	3.55	4.40	3.25	3.85	4.25	3.25	4.00	4.25	3.40	4.10	3.55	3.95	3.75	3.75	22.0
24.0	2.25	2.90	3.70	2.60	3.20	3.60	2.60	3.35	3.60	2.70	3.40	2.90	3.30	3.10	3.10	24.0
26.0				2.10	2.65	3.05	2.05	2.80	3.05	2.20	2.85	2.35	2.75	2.55	2.55	26.0
28.0				1.65	2.25	2.65	1.60	2.35	2.60	1.70	2.40	1.90	2.30	2.05	2.05	28.0
30.0							1.20	1.95	2.20	1.30	2.00	1.50	1.90	1.70	1.70	30.0
31.0							1.05	1.80	2.05	1.15	1.85	1.30	1.75	1.50	1.50	31.0
32.0										0.95	1.70	1.15	1.55	1.35	1.35	32.0
34.0										0.70	1.40	0.85	1.25	1.05	1.05	34.0
35.0										0.55	1.30	0.70	1.15	0.90	0.90	35.0
36.0												0.55	1.00	0.75	0.75	36.0
38.0													0.80	0.55	0.55	38.0
40.0																40.0
42.0																42.0
44.0																44.0
1	92	46	0	92	46	0	92	46	0	92	0	92	46	92	100	1
2	46	46	0	46	46	0	92	46	46	92	92	92	92	92	100	2
3	46	46	46	46	46	92	46	46	92	92	92	92	92	92	100	3
4	46	46	92	46	46	92	46	92	92	46	92	92	92	92	100	4
5	0	46	92	46	92	92	46	92	92	46	92	46	92	92	100	5
ID	29	15	6	16	17	7	19	18	8	20	9	21	10	11	22	ID
t	20.1	22.2	17.0	20.0	20.0	16.7	18.4	15.0	14.7	15.0	12.5	12.1	11.0	9.7	7.5	t
[DEG]	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	4 - 84	0 - 84	25 - 84	29 - 84	[DEG]
	5	5	4	4	4	4	4	3	3	3	3	3	3	3	3	
	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	

Boom

					
MB		0.0 t	7.2 m	360 °	JPN

	m	10.2	13.7	13.7	17.2	17.2	17.2	17.2	20.7	20.7	20.7	20.7	24.2	24.2	24.2	m
	1.6	75.00														1.6
	2.0	75.00	45.00	25.00	45.00	40.00	25.00	21.60	40.00	40.00	25.00	23.00	35.00	25.00	19.90	2.0
	2.5	68.10	45.00	25.00	45.00	40.00	25.00	18.90	40.00	40.00	25.00	21.40	35.00	25.00	18.90	2.5
	3.0	60.70	45.00	25.00	45.00	40.00	25.00	18.50	40.00	40.00	25.00	20.10	35.00	25.00	17.90	3.0
	3.5	54.60	45.00	24.10	45.00	40.00	25.00	17.30	40.00	40.00	25.00	18.90	35.00	25.00	16.80	3.5
	4.0	49.30	45.00	22.80	42.90	40.00	25.00	16.20	38.60	40.00	25.00	17.70	33.80	25.00	15.70	4.0
	4.5	44.90	44.70	21.70	40.20	40.00	23.80	15.20	36.30	40.00	25.00	16.60	32.40	25.00	14.70	4.5
	5.0	41.00	40.90	20.60	37.70	40.00	22.50	14.40	34.30	39.50	24.70	15.70	30.60	25.00	13.90	5.0
	5.5	37.70	37.60	19.70	35.50	37.80	21.30	13.60	32.50	37.60	23.50	14.80	28.90	24.90	13.10	5.5
	6.0	34.80	34.60	18.90	33.60	34.90	20.30	12.90	30.90	35.20	22.40	14.10	27.40	23.90	12.40	6.0
	6.5	32.20	32.10	18.10	31.80	32.30	19.30	12.30	29.40	32.50	21.50	13.40	26.10	23.00	11.80	6.5
	7.0	28.80	28.30	17.40	28.00	28.90	18.50	11.70	27.20	28.40	20.60	12.70	24.90	22.10	11.20	7.0
	8.0		20.90	16.20	20.60	21.30	16.90	10.70	21.00	21.90	19.00	11.60	21.10	20.50	10.20	8.0
	9.0		16.20	15.20	15.90	16.60	15.60	9.95	16.30	17.10	17.50	10.70	16.80	18.80	9.40	9.0
	10.0		13.00	14.50	12.70	13.40	14.60	9.20	13.10	13.90	15.50	9.95	13.50	15.40	8.65	10.0
	11.0				10.40	11.00	12.80	8.60	10.70	11.40	13.00	9.25	11.20	12.90	8.05	11.0
	12.0				8.65	9.20	10.90	8.10	8.95	9.65	11.10	8.65	9.35	11.00	7.50	12.0
	14.0				6.15	6.70	8.30	7.30	6.40	7.05	8.40	7.70	6.80	8.30	6.60	14.0
	16.0								4.70	5.30	6.60	6.90	5.05	6.50	5.90	16.0
	18.0												3.80	5.15	5.30	18.0
	20.0												2.90	4.20	4.70	20.0
	21.0												2.50	3.80	4.30	21.0
	22.0															22.0
	24.0															24.0
	26.0															26.0
	28.0															28.0
	30.0															30.0
	31.0															31.0
	32.0															32.0
	34.0															34.0
	35.0															35.0
	36.0															36.0
	38.0															38.0
	40.0															40.0
	42.0															42.0
	44.0															44.0
	1	0	46	0	92	46	0	0	92	46	0	0	92	0	0	1
	2	0	0	0	0	46	0	0	46	46	0	0	46	46	0	2
	3	0	0	0	0	0	0	0	0	46	46	0	46	46	0	3
	4	0	0	0	0	0	46	0	0	0	46	46	0	46	92	4
	5	0	0	46	0	0	46	92	0	0	46	92	0	46	92	5
	ID	1	23	2	24	25	12	3	26	27	13	4	28	14	5	ID
	t	20.7	24.3	19.9	20.5	24.0	19.1	17.8	20.6	23.6	18.0	18.8	20.5	24.2	17.3	t
	[DEG]	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	[DEG]
		20	9	5	9	8	5	5	8	8	5	5	7	5	4	
	Heavy load lifting device		50 t	35 t	50 t	50 t	35 t	35 t	50 t	50 t	35 t	35 t	50 t	35 t	35 t	

	m	27.7	27.7	27.7	31.2	31.2	31.2	34.7	34.7	34.7	38.2	38.2	41.7	41.7	45.2	48.0	m	
	1.6																1.6	
	2.0																2.0	
	2.5	25.00	25.00	18.40													2.5	
	3.0	25.00	25.00	17.60	20.00	20.00	16.70										3.0	
	3.5	25.00	25.00	16.90	20.00	19.80	16.10	18.40	15.00	14.70							3.5	
	4.0	25.00	25.00	16.20	20.00	19.20	15.60	18.40	15.00	14.70	15.00	12.50					4.0	
	4.5	25.00	25.00	15.60	20.00	18.60	15.10	18.40	14.90	14.40	15.00	12.50					4.5	
	5.0	25.00	25.00	14.80	20.00	18.10	14.60	18.40	14.50	14.10	15.00	12.50	12.10	11.00			5.0	
	5.5	25.00	25.00	14.00	20.00	17.60	14.20	18.40	14.20	13.70	15.00	12.50	12.10	11.00	9.70	7.50	5.5	
	6.0	24.90	24.90	13.30	20.00	17.10	13.60	18.40	13.80	13.40	15.00	12.50	12.10	11.00	9.70	7.50	6.0	
	6.5	24.00	24.10	12.70	20.00	16.40	13.00	18.40	13.40	13.00	15.00	12.50	12.10	11.00	9.70	7.50	6.5	
	7.0	22.90	23.20	12.10	20.00	15.80	12.30	18.10	13.00	12.70	15.00	12.20	12.10	11.00	9.70	7.50	7.0	
	8.0	21.00	21.70	11.10	19.20	14.70	11.30	16.80	12.40	11.90	14.90	11.70	12.10	11.00	9.70	7.50	8.0	
	9.0	17.30	18.40	10.30	17.40	13.70	10.30	15.60	11.60	11.00	14.10	11.20	12.10	10.90	9.70	7.50	9.0	
	10.0	14.10	15.10	9.55	14.70	12.90	9.55	14.30	10.90	10.20	13.20	10.60	11.90	10.60	9.70	7.50	10.0	
	11.0	11.70	12.60	8.90	12.30	12.10	8.85	12.30	10.20	9.50	12.20	9.95	11.30	10.20	9.70	7.50	11.0	
	12.0	9.90	10.70	8.35	10.40	11.10	8.25	10.40	9.65	8.90	10.60	9.35	10.60	9.65	9.60	7.50	12.0	
	14.0	7.25	8.05	7.40	7.75	8.40	7.25	7.75	8.65	7.90	7.90	8.25	8.10	8.60	8.35	7.15	14.0	
	16.0	5.50	6.20	6.60	5.95	6.60	6.45	5.95	6.80	7.05	6.10	6.90	6.25	6.75	6.50	6.50	16.0	
	18.0	4.20	4.90	5.80	4.65	5.25	5.70	4.65	5.45	5.70	4.80	5.55	4.95	5.40	5.15	5.15	18.0	
	20.0	3.25	3.95	4.80	3.65	4.25	4.70	3.65	4.45	4.70	3.80	4.50	3.95	4.40	4.15	4.15	20.0	
	21.0	2.85	3.55	4.35	3.25	3.85	4.25	3.25	4.00	4.25	3.40	4.10	3.55	4.00	3.75	3.75	21.0	
	22.0	2.50	3.15	4.00	2.90	3.50	3.90	2.90	3.65	3.90	3.00	3.75	3.20	3.60	3.40	3.40	22.0	
	24.0	1.90	2.60	3.40	2.30	2.85	3.25	2.25	3.00	3.25	2.40	3.10	2.55	2.95	2.75	2.75	24.0	
	26.0				1.80	2.35	2.75	1.75	2.50	2.75	1.90	2.55	2.05	2.45	2.25	2.25	26.0	
	28.0				1.35	1.95	2.35	1.30	2.10	2.30	1.45	2.15	1.60	2.05	1.80	1.80	28.0	
	30.0							0.95	1.75	1.95	1.05	1.80	1.20	1.65	1.45	1.45	30.0	
	31.0							0.80	1.60	1.80	0.90	1.60	1.05	1.50	1.25	1.25	31.0	
	32.0										0.75	1.45	0.90	1.35	1.10	1.10	32.0	
	34.0											1.20	0.60	1.05	0.80	0.80	34.0	
	35.0											1.10	0.50	0.90	0.70	0.70	35.0	
	36.0													0.80	0.55	0.55	36.0	
	38.0													0.60			38.0	
	40.0																40.0	
	42.0																42.0	
	44.0																44.0	
	1	92	46	0	92	46	0	92	46	0	92	0	92	46	92	100	1	
	2	46	46	0	46	46	0	92	46	46	92	92	92	92	92	100	2	
	3	46	46	46	46	46	92	46	46	92	92	92	92	92	92	100	3	
	4	46	46	92	46	46	92	46	92	92	46	92	92	92	92	100	4	
	5	0	46	92	46	92	92	46	92	92	46	92	46	92	92	100	5	
	ID	29	15	6	16	17	7	19	18	8	20	9	21	10	11	22	ID	
		t	20.1	22.2	17.0	20.0	20.0	16.7	18.4	15.0	14.7	15.0	12.5	12.1	11.0	9.7	7.5	t
		[DEG]	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	24 - 84	0 - 84	32 - 84	34 - 84	[DEG]
				5	5	4	4	4	4	4	3	3	3	3	3	3	3	3
				35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t

 MB	 0.0 t	 6.4 m	 360°	 JPN
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 m	10.2	13.7	13.7	17.2	17.2	17.2	17.2	20.7	20.7	20.7	20.7	24.2	24.2	24.2	m
1.6	75.00														1.6
2.0	74.50	45.00	25.00	45.00	40.00	25.00	21.60	40.00	40.00	25.00	23.00	35.00	25.00	19.90	2.0
2.5	65.50	45.00	25.00	45.00	40.00	25.00	19.90	40.00	40.00	25.00	21.40	35.00	25.00	18.90	2.5
3.0	58.10	45.00	25.00	45.00	40.00	25.00	18.50	40.00	40.00	25.00	20.10	35.00	25.00	17.90	3.0
3.5	52.00	45.00	24.10	45.00	40.00	25.00	17.30	40.00	40.00	25.00	18.90	35.00	25.00	16.80	3.5
4.0	46.80	45.00	22.80	42.90	40.00	25.00	16.20	38.60	40.00	25.00	17.70	33.80	25.00	15.70	4.0
4.5	42.50	42.40	21.70	40.20	40.00	23.80	15.20	36.30	40.00	25.00	16.60	32.40	25.00	14.70	4.5
5.0	38.80	38.60	20.60	37.70	38.80	22.50	14.40	34.30	39.20	24.70	15.70	30.60	25.00	13.90	5.0
5.5	35.50	35.40	19.70	35.20	35.60	21.30	13.60	32.50	35.70	23.50	14.80	28.90	24.90	13.10	5.5
6.0	32.10	31.60	18.90	30.30	31.30	20.30	12.90	29.20	30.40	22.40	14.10	27.40	23.90	12.40	6.0
6.5	26.60	26.20	18.10	25.80	26.70	19.30	12.30	25.20	26.40	21.50	13.40	24.80	23.00	11.80	6.5
7.0	22.60	22.10	17.40	21.80	22.60	18.50	11.70	22.10	23.20	20.60	12.70	21.80	22.10	11.20	7.0
8.0		16.60	16.20	16.30	17.00	16.90	10.70	16.70	17.60	19.00	11.60	17.30	19.30	10.20	8.0
9.0		13.00	14.60	12.70	13.40	15.30	9.95	13.10	13.90	15.50	10.70	13.60	15.40	9.40	9.0
10.0		10.40	12.00	10.20	10.80	12.60	9.20	10.50	11.20	12.80	9.95	11.00	12.70	8.65	10.0
11.0				8.30	8.90	10.60	8.60	8.60	9.35	10.80	9.25	9.05	10.70	8.05	11.0
12.0				6.85	7.40	9.05	8.10	7.15	7.85	9.20	8.65	7.55	9.15	7.50	12.0
14.0				4.80	5.30	6.85	6.85	5.05	5.65	6.95	7.35	5.40	6.85	6.60	14.0
16.0								3.60	4.20	5.45	5.75	3.95	5.35	5.85	16.0
18.0												2.90	4.20	4.70	18.0
20.0												2.05	3.40	3.85	20.0
21.0												1.75	3.05	3.50	21.0
22.0															22.0
24.0															24.0
26.0															26.0
28.0															28.0
30.0															30.0
31.0															31.0
32.0															32.0
34.0															34.0
35.0															35.0
36.0															36.0
38.0															38.0
40.0															40.0
42.0															42.0
44.0															44.0
1	0	46	0	92	46	0	0	92	46	0	0	92	0	0	1
2	0	0	0	0	46	0	0	46	46	0	0	46	46	0	2
3	0	0	0	0	0	0	0	0	46	46	0	46	46	0	3
4	0	0	0	0	0	46	0	0	0	46	46	0	46	92	4
5	0	0	46	0	0	46	92	0	0	46	92	0	46	92	5
ID	1	23	2	24	25	12	3	26	27	13	4	28	14	5	ID
t	20.7	24.3	19.9	20.5	24.0	19.1	17.8	20.6	23.6	18.0	18.8	20.5	24.2	17.3	t
[DEG]	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	[DEG]
	20	9	5	9	8	5	5	8	8	5	5	7	5	4	
	Heavy load lifting device	50 t	35 t	50 t	50 t	35 t	35 t	50 t	50 t	35 t	35 t	50 t	35 t	35 t	

 m	27.7	27.7	27.7	31.2	31.2	31.2	34.7	34.7	34.7	38.2	38.2	41.7	41.7	45.2	48.0	m
1.6																1.6
2.0																2.0
2.5	25.00	25.00	18.40													2.5
3.0	25.00	25.00	17.60	20.00	20.00	16.70										3.0
3.5	25.00	25.00	16.90	20.00	19.80	16.10	18.40	15.00	14.70							3.5
4.0	25.00	25.00	16.20	20.00	19.20	15.60	18.40	15.00	14.70	15.00	12.50					4.0
4.5	25.00	25.00	15.60	20.00	18.60	15.10	18.40	14.90	14.40	15.00	12.50					4.5
5.0	25.00	25.00	14.80	20.00	18.10	14.60	18.40	14.50	14.10	15.00	12.50	12.10	11.00			5.0
5.5	25.00	25.00	14.00	20.00	17.60	14.20	18.40	14.20	13.70	15.00	12.50	12.10	11.00	9.70	7.50	5.5
6.0	24.90	24.90	13.30	20.00	17.10	13.60	18.40	13.80	13.40	15.00	12.50	12.10	11.00	9.70	7.50	6.0
6.5	24.00	24.10	12.70	20.00	16.40	13.00	18.40	13.40	13.00	15.00	12.50	12.10	11.00	9.70	7.50	6.5
7.0	21.70	23.00	12.10	20.00	15.80	12.30	18.10	13.00	12.70	15.00	12.20	12.10	11.00	9.70	7.50	7.0
8.0	17.50	18.60	11.10	17.60	14.70	11.30	16.80	12.40	11.90	14.90	11.70	12.10	11.00	9.70	7.50	8.0
9.0	14.20	15.10	10.30	14.60	13.70	10.30	14.20	11.60	11.00	14.00	11.20	12.10	10.90	9.70	7.50	9.0
10.0	11.50	12.40	9.55	12.10	12.80	9.55	12.00	10.90	10.20	11.90	10.60	11.90	10.60	9.70	7.50	10.0
11.0	9.60	10.40	8.90	10.10	10.80	8.85	10.10	10.20	9.50	10.20	9.95	10.30	10.20	9.70	7.50	11.0
12.0	8.05	8.85	8.35	8.55	9.25	8.25	8.55	9.50	8.90	8.75	9.35	8.95	9.45	9.10	7.50	12.0
14.0	5.85	6.60	7.40	6.35	7.00	7.25	6.35	7.20	7.45	6.50	7.30	6.65	7.15	6.90	6.90	14.0
16.0	4.35	5.05	5.95	4.80	5.40	5.90	4.80	5.60	5.90	4.95	5.70	5.15	5.60	5.35	5.35	16.0
18.0	3.30	3.95	4.80	3.70	4.30	4.75	3.70	4.50	4.75	3.85	4.55	4.00	4.45	4.20	4.20	18.0
20.0	2.45	3.10	3.95	2.85	3.45	3.85	2.85	3.60	3.85	2.95	3.70	3.15	3.55	3.35	3.35	20.0
21.0	2.10	2.75	3.60	2.50	3.05	3.50	2.50	3.25	3.50	2.60	3.30	2.80	3.20	3.00	3.00	21.0
22.0	1.80	2.45	3.30	2.20	2.75	3.15	2.20	2.95	3.15	2.30	3.00	2.45	2.90	2.65	2.65	22.0
24.0	1.25	1.95	2.75	1.65	2.20	2.60	1.65	2.40	2.60	1.75	2.45	1.90	2.35	2.10	2.10	24.0
26.0				1.20	1.80	2.20	1.15	1.95	2.15	1.30	2.00	1.45	1.90	1.65	1.65	26.0
28.0				0.80	1.45	1.85	0.75	1.55	1.80	0.90	1.60	1.05	1.50	1.25	1.25	28.0
30.0								1.25	1.50	0.55	1.30	0.70	1.15	0.90	0.90	30.0
31.0								1.10	1.35			1.15	0.55	1.00	0.75	31.0
32.0												1.00		0.85	0.65	32.0
34.0												0.75		0.60		34.0
35.0												0.65		0.50		35.0
36.0																36.0
38.0																38.0
40.0																40.0
42.0																42.0
44.0																44.0
1	92	46	0	92	46	0	92	46	0	92	0	92	46	92	100	1
2	46	46	0	46	46	0	92	46	46	92	92	92	92	92	100	2
3	46	46	46	46	46	92	46	46	92	92	92	92	92	92	100	3
4	46	46	92	46	46	92	46	92	92	46	92	92	92	92	100	4
5	0	46	92	46	92	92	46	92	92	46	92	46	92	92	100	5
ID	29	15	6	16	17	7	19	18	8	20	9	21	10	11	22	ID
t	20.1	22.2	17.0	20.0	20.0	16.7	18.4	15.0	14.7	15.0	12.5	12.1	11.0	9.7	7.5	t
[DEG]	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	23 - 84	0 - 84	0 - 84	27 - 84	0 - 84	33 - 84	24 - 84	36 - 84	42 - 84	[DEG]
	5	5	4	4	4	4	4	3	3	3	3	3	3	3	3	
	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	

Boom

									
MB			0.0 t	5.38 m		360 °		JPN	

	m	10.2	13.7	13.7	17.2	17.2	17.2	17.2	20.7	20.7	20.7	20.7	24.2	24.2	24.2	m
	1.6	75.00														1.6
	2.0	70.40	45.00	25.00	45.00	40.00	25.00	21.60	40.00	40.00	25.00	23.00	35.00	25.00	19.90	2.0
	2.5	61.30	45.00	25.00	45.00	40.00	25.00	19.90	40.00	40.00	25.00	21.40	35.00	25.00	18.90	2.5
	3.0	54.00	45.00	25.00	45.00	40.00	25.00	18.50	40.00	40.00	25.00	20.10	35.00	25.00	17.90	3.0
	3.5	48.00	45.00	24.10	45.00	40.00	25.00	17.30	40.00	40.00	25.00	18.90	35.00	25.00	16.80	3.5
	4.0	43.10	42.90	22.80	42.80	40.00	25.00	16.20	38.60	40.00	25.00	17.70	33.80	25.00	15.70	4.0
	4.5	38.90	38.70	21.70	36.60	37.80	23.80	15.20	34.80	36.10	25.00	16.60	32.40	25.00	14.70	4.5
	5.0	33.80	32.60	20.60	30.10	31.10	22.50	14.40	28.80	30.10	24.70	15.70	28.00	25.00	13.90	5.0
	5.5	27.00	26.70	19.70	25.30	26.20	21.30	13.60	24.40	25.60	23.50	14.80	23.90	24.90	13.10	5.5
	6.0	22.30	22.00	18.90	21.60	22.50	20.30	12.90	21.00	22.10	22.40	14.10	20.70	23.20	12.40	6.0
	6.5	18.90	18.50	18.10	18.20	19.00	19.30	12.30	18.30	19.40	21.50	13.40	18.10	20.50	11.80	6.5
	7.0	16.20	15.90	17.40	15.60	16.30	18.40	11.70	16.00	16.80	18.70	12.70	16.10	18.30	11.20	7.0
	8.0		12.00	13.70	11.80	12.40	14.40	10.70	12.10	12.90	14.60	11.60	12.60	14.50	10.20	8.0
	9.0		9.45	10.90	9.20	9.80	11.60	9.95	9.55	10.20	11.80	10.70	10.00	11.70	9.40	9.0
	10.0		7.60	9.00	7.35	7.90	9.60	9.20	7.65	8.30	9.75	9.95	8.05	9.65	8.65	10.0
	11.0				5.90	6.45	8.05	8.10	6.20	6.85	8.25	8.60	6.60	8.15	8.05	11.0
	12.0				4.80	5.30	6.90	6.90	5.05	5.70	7.00	7.40	5.45	6.95	7.50	12.0
	14.0				3.20	3.70	5.15	5.15	3.40	4.00	5.25	5.60	3.75	5.15	5.70	14.0
	16.0								2.30	2.85	4.05	4.35	2.60	3.95	4.45	16.0
	18.0												1.75	3.05	3.50	18.0
	20.0												1.05	2.35	2.80	20.0
	21.0												0.75	2.10	2.55	21.0
	22.0															22.0
	24.0															24.0
26.0															26.0	
28.0															28.0	
30.0															30.0	
31.0															31.0	
32.0															32.0	
34.0															34.0	
35.0															35.0	
36.0															36.0	
38.0															38.0	
40.0															40.0	
42.0															42.0	
44.0															44.0	
	1	0	46	0	92	46	0	0	92	46	0	0	92	0	0	1
	2	0	0	0	0	46	0	0	46	46	0	0	46	46	0	2
	3	0	0	0	0	0	0	0	0	46	46	0	46	46	0	3
	4	0	0	0	0	0	46	0	0	0	46	46	0	46	92	4
	5	0	0	46	0	0	46	92	0	0	46	92	0	46	92	5
ID	1	23	2	24	25	12	3	26	27	13	4	28	14	5	ID	
	t	20.7	24.3	19.9	20.5	24.0	19.1	17.8	20.6	23.6	18.0	18.8	20.5	24.2	17.3	t
	[DEG]	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	[DEG]
		20	9	5	9	8	5	5	8	8	5	5	7	5	4	
	Heavy load lifting device		50 t	35 t	50 t	50 t	35 t	35 t	50 t	50 t	35 t	35 t	50 t	35 t	35 t	

	m	27.7	27.7	27.7	31.2	31.2	31.2	34.7	34.7	34.7	38.2	38.2	41.7	41.7	45.2	48.0	m
	1.6																1.6
	2.0																2.0
	2.5	25.00	25.00	18.40													2.5
	3.0	25.00	25.00	17.60	20.00	20.00	16.70										3.0
	3.5	25.00	25.00	16.90	20.00	19.80	16.10	18.40	15.00	14.70							3.5
	4.0	25.00	25.00	16.20	20.00	19.20	15.60	18.40	15.00	14.70	15.00	12.50					4.0
	4.5	25.00	25.00	15.60	20.00	18.60	15.10	18.40	14.90	14.40	15.00	12.50					4.5
	5.0	25.00	25.00	14.80	20.00	18.10	14.60	18.40	14.50	14.10	15.00	12.50	12.10	11.00			5.0
	5.5	23.60	24.90	14.00	20.00	17.60	14.20	18.40	14.20	13.70	15.00	12.50	12.10	11.00	9.70	7.50	5.5
	6.0	20.60	21.80	13.30	20.00	17.10	13.60	18.40	13.80	13.40	15.00	12.50	12.10	11.00	9.70	7.50	6.0
	6.5	18.10	19.30	12.70	18.20	16.40	13.00	17.50	13.40	13.00	15.00	12.50	12.10	11.00	9.70	7.50	6.5
	7.0	16.10	17.30	12.10	16.20	15.80	12.30	15.70	13.00	12.70	15.00	12.20	12.10	11.00	9.70	7.50	7.0
	8.0	13.00	14.10	11.10	13.20	14.20	11.30	12.80	12.40	11.90	12.70	11.70	12.10	11.00	9.70	7.50	8.0
	9.0	10.50	11.40	10.30	11.00	11.80	10.30	10.70	11.60	11.00	10.60	11.20	10.60	10.90	9.70	7.50	9.0
	10.0	8.60	9.40	9.55	9.10	9.80	9.55	9.05	10.00	10.20	9.00	10.00	9.05	9.65	9.10	7.50	10.0
	11.0	7.10	7.85	8.85	7.60	8.25	8.75	7.60	8.50	8.80	7.70	8.60	7.80	8.40	7.90	7.50	11.0
	12.0	5.90	6.65	7.65	6.40	7.05	7.55	6.40	7.25	7.55	6.55	7.35	6.75	7.25	6.90	6.80	12.0
	14.0	4.20	4.90	5.80	4.65	5.25	5.75	4.65	5.45	5.75	4.80	5.55	5.00	5.45	5.20	5.20	14.0
	16.0	3.00	3.70	4.55	3.45	4.05	4.45	3.45	4.20	4.50	3.55	4.30	3.75	4.20	3.95	3.95	16.0
	18.0	2.15	2.80	3.65	2.55	3.10	3.55	2.55	3.30	3.55	2.65	3.40	2.85	3.25	3.05	3.05	18.0
	20.0	1.45	2.10	2.90	1.85	2.40	2.85	1.85	2.60	2.85	1.95	2.65	2.15	2.55	2.35	2.35	20.0
	21.0	1.15	1.85	2.65	1.55	2.15	2.55	1.55	2.30	2.55	1.70	2.35	1.85	2.25	2.05	2.05	21.0
	22.0	0.90	1.55	2.35	1.30	1.85	2.25	1.30	2.05	2.25	1.40	2.10	1.60	2.00	1.75	1.80	22.0
	24.0		1.15	1.95	0.85	1.40	1.80	0.80	1.60	1.80	0.95	1.65	1.10	1.55	1.30	1.30	24.0
	26.0					1.05	1.45		1.20	1.45		1.25		1.15	0.90	0.90	26.0
	28.0					0.75	1.15		0.85	1.10		0.95		0.80			28.0
	30.0								0.60	0.85		0.65		0.50			30.0
	31.0								0.50	0.75		0.55					31.0
	32.0																32.0
	34.0																34.0
	35.0																35.0
	36.0																36.0
	38.0																38.0
	40.0																40.0
	42.0																42.0
	44.0																44.0
	1	92	46	0	92	46	0	92	46	46	92	92	92	92	92	100	1
	2	46	46	0	46	46	0	92	46	46	92	92	92	92	92	100	2
	3	46	46	46	46	46	92	46	46	92	92	92	92	92	92	100	3
	4	46	46	92	46	46	92	46	92	92	46	92	92	92	92	100	4
	5	0	46	92	46	92	92	46	92	92	46	92	46	92	92	100	5
	ID	29	15	6	16	17	7	19	18	8	20	9	21	10	11	22	ID
	t	20.1	22.2	17.0	20.0	20.0	16.7	18.4	15.0	14.7	15.0	12.5	12.1	11.0	9.7	7.5	t

					
MB		0.0 t	4.18 m	360 °	JPN

 m	10.2	13.7	13.7	17.2	17.2	17.2	17.2	20.7	20.7	20.7	20.7	24.2	24.2	24.2	m
1.6	72.90														1.6
2.0	63.90	45.00	25.00	45.00	40.00	25.00	21.60	40.00	40.00	25.00	23.00	35.00	25.00	19.90	2.0
2.5	55.00	45.00	25.00	45.00	40.00	25.00	19.90	40.00	40.00	25.00	21.40	35.00	25.00	18.90	2.5
3.0	47.90	45.00	25.00	41.00	40.00	25.00	18.50	37.50	39.00	25.00	20.10	34.90	25.00	17.90	3.0
3.5	40.40	35.50	24.10	31.70	32.80	25.00	17.30	29.50	30.80	25.00	18.90	28.00	25.00	16.80	3.5
4.0	31.70	28.20	22.80	25.50	26.50	25.00	16.20	24.10	25.30	25.00	17.70	23.10	25.00	15.70	4.0
4.5	25.70	23.10	21.70	21.00	22.00	23.80	15.20	20.10	21.20	23.40	16.60	19.50	21.90	14.70	4.5
5.0	20.60	19.40	20.60	17.70	18.60	21.10	14.40	17.10	18.10	20.20	15.70	16.70	19.00	13.90	5.0
5.5	16.90	16.50	18.50	15.10	15.90	18.40	13.60	14.70	15.60	17.60	14.80	14.40	16.60	13.10	5.5
6.0	14.20	13.90	15.70	13.10	13.80	16.10	12.90	12.70	13.70	15.60	14.10	12.60	14.80	12.40	6.0
6.5	12.20	11.90	13.50	11.40	12.10	14.20	12.30	11.10	12.10	13.90	13.40	11.10	13.20	11.80	6.5
7.0	10.50	10.20	11.80	9.95	10.60	12.50	11.70	9.85	10.70	12.50	12.70	9.90	11.80	11.20	7.0
8.0		7.75	9.20	7.50	8.10	9.85	9.85	7.75	8.55	10.00	10.40	7.90	9.75	10.20	8.0
9.0		6.00	7.40	5.75	6.30	7.95	7.95	6.05	6.75	8.15	8.50	6.35	8.05	8.65	9.0
10.0		4.70	6.00	4.45	5.00	6.55	6.55	4.75	5.40	6.70	7.10	5.15	6.65	7.20	10.0
11.0				3.45	3.95	5.50	5.50	3.75	4.35	5.65	5.95	4.10	5.55	6.10	11.0
12.0				2.65	3.15	4.60	4.65	2.90	3.50	4.75	5.10	3.30	4.65	5.20	12.0
14.0				1.45	1.95	3.35	3.35	1.70	2.30	3.45	3.80	2.05	3.35	3.85	14.0
16.0									1.40	2.55	2.85	1.15	2.45	2.95	16.0
18.0													1.80	2.25	18.0
20.0													1.25	1.70	20.0
21.0													1.05	1.50	21.0
22.0															22.0
24.0															24.0
26.0															26.0
28.0															28.0
30.0															30.0
31.0															31.0
32.0															32.0
34.0															34.0
35.0															35.0
36.0															36.0
38.0															38.0
40.0															40.0
42.0															42.0
44.0															44.0
1	0	46	0	92	46	0	0	92	46	0	0	92	0	0	1
2	0	0	0	0	46	0	0	46	46	0	0	46	46	0	2
3	0	0	0	0	0	0	0	0	46	46	0	46	46	0	3
4	0	0	0	0	0	46	0	0	0	46	46	0	46	92	4
5	0	0	46	0	0	46	92	0	0	46	92	0	46	92	5
ID	1	23	2	24	25	12	3	26	27	13	4	28	14	5	ID
t	20.7	24.3	19.9	20.5	24.0	19.1	17.8	20.6	23.6	18.0	18.8	20.5	24.2	17.3	t
[DEG]	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	0 - 84	29 - 84	0 - 84	0 - 84	0 - 84	32 - 84	0 - 84	0 - 84	[DEG]
	20	9	5	9	8	5	5	8	8	5	5	7	5	4	
	Heavy load lifting device	50 t	35 t	50 t	50 t	35 t	35 t	50 t	50 t	35 t	35 t	50 t	35 t	35 t	

 m	27.7	27.7	27.7	31.2	31.2	31.2	34.7	34.7	34.7	38.2	38.2	41.7	41.7	45.2	48.0	m
1.6																1.6
2.0																2.0
2.5	25.00	25.00	18.40													2.5
3.0	25.00	25.00	17.60	20.00	20.00	16.70										3.0
3.5	25.00	25.00	16.90	20.00	19.80	16.10	18.40	15.00	14.70							3.5
4.0	22.40	23.70	16.20	20.00	19.20	15.60	18.40	15.00	14.70	15.00	12.50					4.0
4.5	19.10	20.30	15.60	18.70	18.60	15.10	17.80	14.90	14.40	15.00	12.50					4.5
5.0	16.50	17.60	14.80	16.30	17.30	14.60	15.50	14.50	14.10	15.00	12.50					5.0
5.5	14.40	15.50	14.00	14.40	15.30	14.20	13.70	14.20	13.70	13.30	12.50	12.10	11.00	9.70	7.50	5.5
6.0	12.70	13.70	13.30	12.70	13.70	13.60	12.20	13.40	13.40	11.90	12.50	11.70	11.00	9.70	7.50	6.0
6.5	11.20	12.30	12.70	11.40	12.30	13.00	10.90	12.10	12.50	10.70	11.80	10.50	11.00	9.70	7.50	6.5
7.0	10.00	11.00	12.10	10.20	11.10	11.70	9.85	10.90	11.30	9.65	10.70	9.55	10.20	9.55	7.50	7.0
8.0	8.10	9.05	10.30	8.40	9.20	9.85	8.05	9.15	9.50	7.95	9.00	7.95	8.55	7.95	7.50	8.0
9.0	6.65	7.55	8.70	6.95	7.75	8.35	6.70	7.75	8.10	6.65	7.60	6.65	7.25	6.75	6.60	9.0
10.0	5.45	6.35	7.35	5.80	6.55	7.15	5.60	6.60	6.95	5.55	6.55	5.60	6.20	5.75	5.60	10.0
11.0	4.50	5.30	6.20	4.85	5.60	6.15	4.70	5.70	6.00	4.70	5.65	4.80	5.35	4.90	4.80	11.0
12.0	3.70	4.40	5.35	4.10	4.80	5.25	3.95	4.90	5.25	3.95	4.90	4.05	4.60	4.20	4.15	12.0
14.0	2.45	3.15	4.00	2.90	3.45	3.90	2.80	3.65	3.90	2.85	3.70	2.95	3.50	3.10	3.05	14.0
16.0	1.60	2.20	3.05	2.00	2.55	2.95	1.90	2.75	2.95	1.95	2.80	2.10	2.60	2.30	2.25	16.0
18.0	0.85	1.55	2.35	1.30	1.85	2.25	1.20	2.05	2.25	1.30	2.10	1.45	1.95	1.65	1.60	18.0
20.0		1.00	1.80		1.30	1.70		1.50	1.70		1.55		1.40	1.10		20.0
21.0		0.75	1.60		1.10	1.50		1.25	1.50		1.35		1.20			21.0
22.0		0.55	1.40		0.85	1.30		1.05	1.30		1.10		1.00			22.0
24.0			1.05			0.90			0.90							24.0
26.0						0.60			0.60							26.0
28.0																28.0
30.0																30.0
31.0																31.0
32.0																32.0
34.0																34.0
35.0																35.0
36.0																36.0
38.0																38.0
40.0																40.0
42.0																42.0
44.0																44.0
1	92	46	0	92	46	0	92	46	0	92	0	92	46	92	100	1
2	46	46	0	46	46	0	92	46	46	92	92	92	92	92	100	2
3	46	46	46	46	46	92	46	46	92	92	92	92	92	92	100	3
4	46	46	92	46	46	92	46	92	92	46	92	92	92	92	100	4
5	0	46	92	46	92	92	46	92	92	46	92	46	92	92	100	5
ID	29	15	6	16	17	7	19	18	8	20	9	21	10	11	22	ID
t	20.1	22.2	17.0	20.0	20.0	16.7	18.4	15.0	14.7	15.0	12.5	12.1	11.0	9.7	7.5	t
[DEG]	36 - 84	22 - 84	0 - 84	39 - 84	36 - 84	0 - 84	48 - 84	33 - 84	34 - 84	53 - 84	40 - 84	56 - 84	48 - 84	58 - 84	62 - 84	[DEG]
	5	5	4	4	4	4	4	3	3	3	3	3	3	3	3	
	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	

Boom

 MB		 0.0 t	 2.36 m	 360 °	 JPN
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	m	10.2	13.7	13.7	17.2	17.2	17.2	17.2	20.7	20.7	20.7	20.7	24.2	24.2	24.2	m
	1.6	54.30														1.6
	2.0	38.00	32.60	25.00	28.50	29.60	25.00	21.60	26.10	27.40	25.00	23.00	24.40	25.00	19.90	2.0
	2.5	27.00	23.70	25.00	21.10	22.10	25.00	19.90	19.80	20.90	23.30	21.40	18.80	21.40	18.90	2.5
	3.0	20.40	18.20	20.50	16.30	17.20	19.90	18.50	15.50	16.60	18.70	19.40	15.00	17.40	17.90	3.0
	3.5	16.10	14.40	16.50	13.00	13.80	16.30	16.30	12.50	13.50	15.50	16.10	12.30	14.50	15.30	3.5
	4.0	12.90	11.70	13.60	10.60	11.30	13.60	13.60	10.30	11.20	13.10	13.60	10.20	12.30	13.10	4.0
	4.5	10.30	9.65	11.50	8.70	9.40	11.60	11.60	8.55	9.45	11.20	11.70	8.55	10.50	11.30	4.5
	5.0	8.40	8.00	9.75	7.20	7.90	10.00	10.00	7.15	8.00	9.75	10.20	7.25	9.15	9.90	5.0
	5.5	6.95	6.70	8.25	6.00	6.65	8.70	8.70	6.00	6.85	8.50	8.95	6.15	8.00	8.70	5.5
	6.0	5.80	5.55	7.00	5.00	5.65	7.60	7.65	5.05	5.85	7.45	7.95	5.25	7.05	7.75	6.0
	6.5	4.90	4.65	6.00	4.15	4.80	6.60	6.60	4.25	5.05	6.60	7.05	4.45	6.25	6.90	6.5
	7.0	4.15	3.85	5.20	3.45	4.05	5.75	5.80	3.55	4.30	5.85	6.30	3.80	5.55	6.20	7.0
	8.0		2.65	3.90	2.30	2.90	4.45	4.45	2.45	3.20	4.60	4.95	2.70	4.40	5.00	8.0
	9.0		1.75	2.95		1.95	3.50	3.50		2.30	3.65	3.95	1.85	3.50	4.05	9.0
	10.0		1.05	2.25		1.25	2.75	2.75			2.90	3.20		2.80	3.30	10.0
	11.0						2.15	2.15			2.30	2.60		2.20	2.70	11.0
	12.0						1.65	1.65			1.80	2.10		1.70	2.20	12.0
	14.0						0.95	0.95			1.05	1.35		0.95	1.45	14.0
	16.0										0.50	0.80			0.90	16.0
	18.0															18.0
	20.0															20.0
	21.0															21.0
	22.0															22.0
	24.0															24.0
	26.0															26.0
	28.0															28.0
	30.0															30.0
	31.0															31.0
	32.0															32.0
	34.0															34.0
	35.0															35.0
	36.0															36.0
	38.0															38.0
	40.0															40.0
	42.0															42.0
	44.0															44.0
	m															

	m	27.7	27.7	27.7	31.2	31.2	31.2	34.7	34.7	34.7	38.2	38.2	41.7	41.7	45.2	48.0	m
																	
	1.6																1.6
	2.0																2.0
	2.5	18.20	19.40	18.40													2.5
	3.0	14.70	15.90	17.40	14.50	15.50	16.30										3.0
	3.5	12.20	13.30	14.70	12.10	13.10	13.80	11.50	12.70	13.10							3.5
	4.0	10.20	11.30	12.60	10.30	11.20	11.90	9.80	11.00	11.30	9.50	10.60					4.0
	4.5	8.70	9.70	11.00	8.85	9.75	10.40	8.45	9.55	9.95	8.20	9.30					4.5
	5.0	7.45	8.40	9.65	7.65	8.50	9.15	7.30	8.40	8.75	7.15	8.20	7.10	7.70			5.0
	5.5	6.40	7.35	8.55	6.65	7.50	8.10	6.35	7.45	7.80	6.25	7.30	6.25	6.85	6.30	6.10	5.5
	6.0	5.55	6.45	7.60	5.80	6.65	7.25	5.55	6.60	6.95	5.50	6.50	5.50	6.10	5.60	5.45	6.0
	6.5	4.80	5.70	6.85	5.10	5.90	6.50	4.90	5.90	6.25	4.85	5.80	4.85	5.45	4.95	4.85	6.5
	7.0	4.15	5.00	6.15	4.45	5.25	5.85	4.30	5.30	5.60	4.25	5.20	4.30	4.90	4.45	4.30	7.0
	8.0	3.10	3.95	5.00	3.45	4.20	4.75	3.30	4.25	4.60	3.30	4.25	3.40	3.95	3.55	3.45	8.0
	9.0	2.25	3.10	4.15	2.65	3.35	3.90	2.50	3.45	3.75	2.55	3.45	2.65	3.20	2.80	2.75	9.0
	10.0	1.60	2.40	3.45	1.95	2.70	3.20	1.90	2.80	3.10	1.95	2.80	2.05	2.60	2.25	2.15	10.0
	11.0		1.85	2.80		2.15	2.65		2.25	2.55		2.30		2.05	1.75		11.0
	12.0		1.35	2.30		1.65	2.20		1.80	2.10		1.85		1.65			12.0
	14.0			1.55			1.45			1.35							14.0
	16.0			1.00													16.0
18.0																18.0	
20.0																20.0	
21.0																21.0	
22.0																22.0	
24.0																24.0	
26.0																26.0	
28.0																28.0	
30.0																30.0	
31.0																31.0	
32.0																32.0	
34.0																34.0	
35.0																35.0	
36.0																36.0	
38.0																38.0	
40.0																40.0	
42.0																42.0	
44.0																44.0	
	1	92	46	0	92	46	0	92	46	0	92	0	92	46	92	100	1
	2	46	46	0	46	46	0	92	46	46	92	92	92	92	92	100	2
	3	46	46	46	46	46	92	46	46	92	92	92	92	92	92	100	3
	4	46	46	92	46	46	92	46	92	92	46	92	92	92	92	100	4
	5	0	46	92	46	92	92	46	92	92	46	92	46	92	92	100	5
	ID	29	15	6	16	17	7	19	18	8	20	9	21	10	11	22	ID
	t	18.2	19.4	17.0	14.5	15.5	16.3	11.5	12.7	13.1	9.5	10.6	7.1	7.7	6.3	6.1	t
	[DEG]	61 - 84	52 - 84	37 - 84	62 - 84	55 - 84	47 - 84	67 - 84	58 - 84	54 - 84	70 - 84	63 - 84	72 - 84	68 - 84	73 - 84	75 - 84	[DEG]
		5	5	4	4	4	4	4	3	3	3	3	3	3	3	3	
		35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	35 t	

		
On-rubber (stationary)		
		

	m	10.2
	3.0	
	3.5	
	4.0	
	4.5	
	5.0	
	5.5	
	6.0	2.00
	6.5	2.00
	7.0	2.00
	8.0	
	9.0	
	10.0	
	11.0	
	12.0	
	13.0	
	14.0	
	1	0
	2	0
	3	0
	4	0
	5	0
	ID	1
	t	2.0
	[DEG]	0 - 40
		3
		35 t

		
On-rubber (creep)(1.6 km/h or less)		
		

	m	10.2
	3.0	
	3.5	
	4.0	
	4.5	
	5.0	
	5.5	
	6.0	2.00
	6.5	2.00
	7.0	2.00
	8.0	
	9.0	
	10.0	
	11.0	
	12.0	
	13.0	
	14.0	
	1	0
	2	0
	3	0
	4	0
	5	0
	ID	1
	t	2.0
	[DEG]	0 - 40
		3
		35 t

		
On-rubber (stationary)		
		

	m	10.2
	3.0	
	3.5	
	4.0	
	4.5	
	5.0	
	5.5	
	6.0	2.00
	6.5	1.85
	7.0	1.35
	8.0	
	9.0	
	10.0	
	11.0	
	12.0	
	13.0	
	14.0	
	1	0
	2	0
	3	0
	4	0
	5	0
	ID	1
	t	2.0
	[DEG]	22 - 40
		3
		35 t

		
On-rubber (creep)(1.6 km/h or less)		
		

	m	10.2
	3.0	
	3.5	
	4.0	
	4.5	
	5.0	
	5.5	
	6.0	2.00
	6.5	1.55
	7.0	1.15
	8.0	
	9.0	
	10.0	
	11.0	
	12.0	
	13.0	
	14.0	
	1	0
	2	0
	3	0
	4	0
	5	0
	ID	1
	t	2.0
	[DEG]	22 - 40
		3
		35 t

		
On-rubber (stationary)		
		

	m	10.2	13.7	17.2
	3.0	12.80	13.60	14.00
	3.5	11.10	11.90	12.40
	4.0	9.75	10.50	11.00
	4.5	8.60	9.40	9.90
	5.0	7.60	8.40	8.90
	5.5	6.70	7.55	8.00
	6.0	5.95	6.80	7.25
	6.5	5.30	6.10	6.60
	7.0	4.70	5.55	6.00
	8.0		4.55	5.00
	9.0		3.70	4.20
	10.0		3.05	3.50
	11.0			2.95
	12.0			2.45
	13.0			2.05
	14.0			1.65
	1	0	0	0
	2	0	0	0
	3	0	0	0
	4	0	0	0
	5	0	46	92
	ID	1	2	3
	t	12.8	13.6	14.0
	[DEG]	0 - 80	0 - 80	0 - 80
		3	3	3
		35 t	35 t	35 t

		
On-rubber (creep)(1.6 km/h or less)		
		

	m	10.2	13.7	17.2
	3.0	10.90	11.50	11.90
	3.5	9.45	10.10	10.50
	4.0	8.30	9.00	9.40
	4.5	7.30	8.00	8.40
	5.0	6.45	7.15	7.55
	5.5	5.70	6.40	6.80
	6.0	5.05	5.75	6.15
	6.5	4.50	5.20	5.60
	7.0	4.00	4.70	5.10
	8.0		3.85	4.25
	9.0		3.15	3.55
	10.0		2.60	3.00
	11.0			2.50
	12.0			2.10
	13.0			1.70
	14.0			1.40
	1	0	0	0
	2	0	0	0
	3	0	0	0
	4	0	0	0
	5	0	46	92
	ID	1	2	3
	t	10.9	11.5	11.9
	[DEG]	0 - 80	0 - 80	0 - 80
		3	3	3
		35 t	35 t	35 t

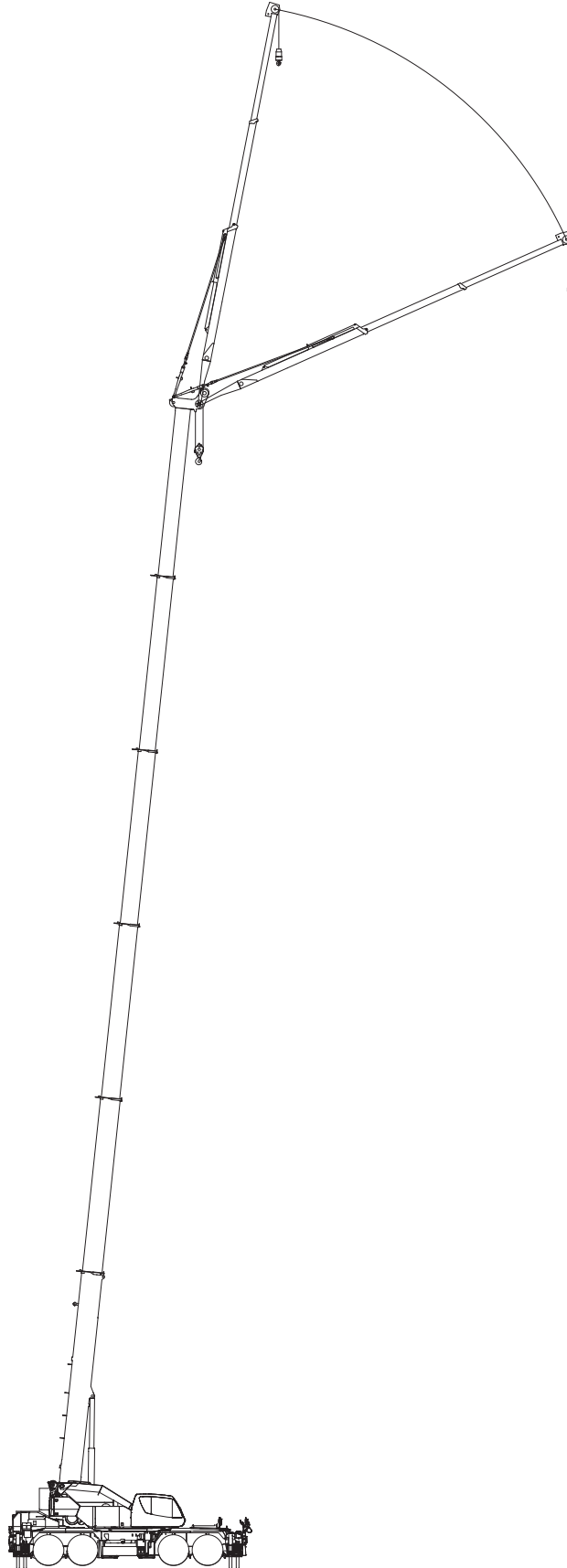
		
On-rubber (stationary)		
		

	m	10.2	13.7	17.2
	3.0	5.50		
	3.5	4.25	5.30	
	4.0	3.30	4.30	
	4.5	2.50	3.45	
	5.0	1.80	2.80	3.40
	5.5	1.25	2.20	2.80
	6.0	0.75	1.75	2.30
	6.5		1.30	1.90
	7.0		0.95	1.50
	8.0			0.90
	9.0			
	10.0			
	11.0			
	12.0			
	13.0			
	14.0			
	1	0	0	0
	2	0	0	0
	3	0	0	0
	4	0	0	0
	5	0	46	92
	ID	1	2	3
	t	5.50	5.30	3.40
	[DEG]	35 - 65	48 - 70	55 - 70
		3	3	3
		35 t	35 t	35 t

		
On-rubber (creep)(1.6 km/h or less)		
		

	m	10.2	13.7	17.2
	3.0	4.65		
	3.5	3.60	4.50	
	4.0	2.80	3.65	
	4.5	2.10	2.95	
	5.0	1.55	2.35	2.85
	5.5	1.05	1.90	2.40
	6.0	0.65	1.45	1.95
	6.5		1.10	1.60
	7.0		0.80	1.30
	8.0			0.75
	9.0			
	10.0			
	11.0			
	12.0			
	13.0			
	14.0			
	1	0	0	0
	2	0	0	0
	3	0	0	0
	4	0	0	0
	5	0	46	92
	ID	1	2	3
	t	4.65	4.50	2.85
	[DEG]	37 - 65	49 - 70	55 - 70
		3	3	3
		35 t	35 t	35 t

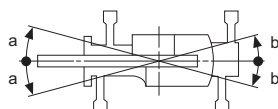
Rough terrain crane
GR-1000N-1
Full automatic jib



Full automatic jib rated lifting capacity table

■Precautions concerning rated lifting capacity table

1. The rated lifting capacities assume that the crane is set horizontally on firm ground, and include the weight of the lifting devices and auxiliary winch hook block (110 kg).
The values above the thick line are based on the structural strength while those below are based on the crane stability factor.
2. The load radius is based on the actual figure including boom and jib deflection, so always use the load radius as the standard.
3. High-speed hoist down should only be used when only the hook block is being lowered. Also, sudden lever operations should be avoided.
4. When using the jib, the number of parts of line on the auxiliary winch hook block is 1. For the main winch hook block use a 35 t hook block and 3 parts of line. The lifting
5. capacity in the over-side area depends on the extension width of the outriggers. Perform work within the capacity according to the extension width.
The lifting capacity for the over-front and over-rear areas is the rated lifting capacity of the "maximum extension," but the range (angle a, b) in the over-front and over-rear areas depends on the combination for over-front and over-rear outrigger extension widths in use.



Over-front area									
Angle a°		Front outrigger extension							
		Maximum extension	Middle extension						Minimum extension
		7.8 m	7.6 m	7.2 m	6.4 m	5.38 m	4.18 m	2.36 m	
Rear outrigger extension	Maximum extension	7.8 m	90	75	65	55	40	10	5
	Middle extension	7.6 m	75	70	65	50	40	10	5
		7.2 m	65	65	60	50	20	10	5
		6.4 m	60	55	55	45	15	10	5
		5.38 m	50	50	45	25	15	10	5
		4.18 m	45	45	25	20	15	5	5
	Minimum extension	2.36 m	25	20	20	15	10	5	5

Over-rear area									
Angle b°		Front outrigger extension							
		Maximum extension	Middle extension						Minimum extension
		7.8 m	7.6 m	7.2 m	6.4 m	5.38 m	4.18 m	2.36 m	
Rear outrigger extension	Maximum extension	7.8 m	90	75	70	30	25	20	15
	Middle extension	7.6 m	75	70	35	25	25	20	15
		7.2 m	30	30	25	25	20	20	15
		6.4 m	20	20	20	20	15	15	10
		5.38 m	15	15	10	10	10	10	10
		4.18 m	5	5	5	5	5	5	5
	Minimum extension	2.36 m	5	5	5	5	5	-	-

6. Telescoping ratios for each telescopic section, for each boom length, are as listed in the chart below.

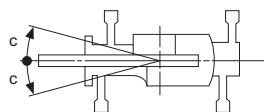
Boom length	10.2 m	38.2 m	41.7 m	45.2 m	48.0 m
Telescopic section 1 (%)	0	0	46	92	100
Telescopic section 2 (%)	0	92	92	92	100
Telescopic section 3 (%)	0	92	92	92	100
Telescopic section 4 (%)	0	92	92	92	100
Telescopic section 5 (%)	0	92	92	92	100

Full automatic jib

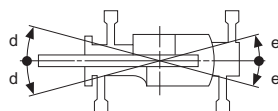
Full automatic jib rated lifting capacity table

7. When selecting Smart Chart capacity you can perform work in over-front/rear with Smart Chart 1/Smart Chart 2 capacity.

With Smart Chart Capacity, the front working range for Smart Chart 1 capacity (angle c), the front working range for Smart Chart 2 capacity (angle d) and the rear working range for Smart Chart 2 capacity (angle e) differ, depending on the combination of front and rear outrigger extension widths. Additionally, the over-side lifting capability will be the standard capacity corresponding to the extension width of the outriggers.



Over-front area (Smart Chart 1 capacity)								
Angle c°		Front outrigger extension						
		Maximum extension	Middle extension					Minimum extension
		7.8 m	7.6 m	7.2 m	6.4 m	5.38 m	4.18 m	2.36 m
Rear outrigger extension	Maximum extension	7.8 m	35	35	30	25	20	5
	Middle extension	7.6 m	35	35	30	25	20	5
		7.2 m	35	30	30	25	15	5
		6.4 m	30	30	25	20	10	5
		5.38 m	25	25	25	20	10	5
		4.18 m	20	20	20	15	10	5
	Minimum extension	2.36 m	15	15	15	15	5	5



Over-front area (Smart Chart 2 capacity)								
Angle d°		Front outrigger extension						
		Maximum extension	Middle extension					Minimum extension
		7.8 m	7.6 m	7.2 m	6.4 m	5.38 m	4.18 m	2.36 m
Rear outrigger extension	Maximum extension	7.8 m	50	50	50	45	35	10
	Middle extension	7.6 m	50	50	50	45	35	10
		7.2 m	50	50	50	40	15	10
		6.4 m	50	50	45	40	15	10
		5.38 m	50	45	45	20	15	10
		4.18 m	45	45	25	20	15	5
	Minimum extension	2.36 m	20	20	20	15	10	5

Over-rear area (Smart Chart 2 capacity)								
Angle e°		Front outrigger extension						
		Maximum extension	Middle extension					Minimum extension
		7.8 m	7.6 m	7.2 m	6.4 m	5.38 m	4.18 m	2.36 m
Rear outrigger extension	Maximum extension	7.8 m	25	25	25	25	20	15
	Middle extension	7.6 m	25	25	25	25	20	15
		7.2 m	25	25	25	20	20	15
		6.4 m	20	20	15	15	15	10
		5.38 m	10	10	10	10	10	10
		4.18 m	5	5	5	5	5	5
	Minimum extension	2.36 m	5	5	5	5	5	5

Explanation of symbols used in rated lifting capacity table

	Indicates full automatic jib (FAJ) rated lifting capacity.		Indicates rated lifting capacity unit.
	Indicates jib length for full automatic jib (FAJ).		Indicates boom length.
	Indicates counterweight (C/W) mass.		Indicates jib offset angle, which is the angle between the centerlines of the boom and jib.
	Indicates extension width of outriggers.		Indicates load radius.
	Indicates slewing range in which lifting may be performed.		Indicates boom telescoping condition (telescoping ratio %). ID displays number corresponding to boom telescoping status.
	Indicates that work can be performed with Smart Chart 1 capacity, if Smart Chart 1 is available.		Indicates boom elevation angle range in which operation is possible without load.
	Indicates that work can be performed with Smart Chart 2 capacity, if Smart Chart 2 is available.		Indicates standard number of parts of line.
			Indicates standard hook block.

Rated lifting capacity table

1. Select capacity according to extension width of outriggers, counterweight mass and jib length.
2. Locate boom length/ID/offset angle field.
3. Locate load radius.
4. Rated lifting capacity is listed where offset angle and load radius intersect.

											
FAJ		8.4 m		4.0 t		7.8 m		360 °		JPN	

	m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m	
	°	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°	
	2.0	4.00																				2.0	
	3.0	4.00																				3.0	
	4.0	4.00	4.00																			4.0	
	5.0	4.00	4.00																			5.0	
	6.0	4.00	4.00	3.00																		6.0	
	7.0	4.00	4.00	2.85		4.00				4.00												7.0	
	8.0	4.00	4.00	2.70	1.60	4.00				4.00				4.00				4.00				8.0	
	9.0	4.00	4.00	2.55	1.55	4.00				4.00				4.00				4.00				9.0	
	10.0	4.00	3.90	2.45	1.50	4.00	4.00			4.00	4.00			4.00				4.00				10.0	
	11.0	4.00	3.70	2.35		4.00	4.00	2.65	1.55	4.00	4.00	2.65		4.00	4.00			4.00				11.0	
	12.0	4.00	3.50	2.30		4.00	4.00	2.60	1.50	4.00	4.00	2.60	1.50	4.00	3.95			4.00	3.70			12.0	
	13.0	4.00	3.35			4.00	4.00	2.60	1.50	4.00	3.90	2.60	1.50	4.00	3.80	2.60		4.00	3.95	3.55		13.0	
	14.0	4.00	3.20			4.00	3.85	2.55	1.50	4.00	3.75	2.55	1.50	4.00	3.65	2.55	1.50	3.85	3.45	2.60	1.50	14.0	
	16.0					4.00	3.60	2.45	1.45	3.65	3.50	2.45	1.45	3.85	3.40	2.45	1.45	3.55	3.20	2.50	1.45	16.0	
	18.0					3.75	3.35	2.35	1.40	3.65	3.25	2.35	1.40	3.55	3.20	2.40	1.40	3.30	3.05	2.40	1.40	18.0	
	20.0					3.50	3.15	2.25	1.40	3.40	3.05	2.30	1.40	3.30	3.00	2.30	1.40	3.05	2.85	2.30	1.40	20.0	
	22.0					3.25	2.95	2.20	1.35	3.20	2.90	2.20	1.35	3.10	2.80	2.25	1.35	2.70	2.60	2.25	1.35	22.0	
	24.0					3.05	2.80	2.15		2.95	2.75	2.15	1.35	2.90	2.65	2.15	1.35	2.35	2.25	2.20	1.35	24.0	
	26.0					2.85	2.65	2.10		2.80	2.60	2.10		2.70	2.55	2.10		2.00	1.95	1.95	1.30	26.0	
	28.0					2.60	2.55	2.05		2.60	2.45	2.05		2.55	2.40	2.05		1.75	1.70	1.75		28.0	
	30.0					2.35	2.40	2.00		2.35	2.35	2.00		2.10	2.30	2.00		1.50	1.50	1.50		30.0	
32.0					2.05	2.10			1.90	2.10	2.00		1.70	1.90	2.00		1.30	1.30	1.30		32.0		
34.0					1.70	1.85			1.55	1.70			1.30	1.50	1.60		1.10	1.10	1.15		34.0		
36.0					1.35	1.45			1.20	1.35			0.95	1.15			0.95	0.95	0.95		36.0		
38.0					1.05	1.15			0.90	1.00			0.65	0.80			0.65	0.80			38.0		
40.0					0.80				0.65	0.75			0.40	0.55			0.50				40.0		
42.0					0.55				0.40	0.50											42.0		
44.0																					44.0		
46.0																					46.0		
48.0																					48.0		
50.0																					50.0		
52.0																					52.0		
54.0																					54.0		
55.0																					55.0		
56.0																					56.0		
	1	0	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	100	100	100	100	1	
	2	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	2	
	3	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	3	
	4	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	4	
	5	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	5	
		ID	1	1	1	1	9	9	9	9	10	10	10	11	11	11	11	22	22	22	22	ID	
		[DEG]	28 - 84	35 - 84	54 - 84	68 - 84	18 - 84	35 - 84	54 - 84	68 - 84	30 - 84	43 - 84	54 - 84	67 - 84	41 - 84	45 - 84	55 - 84	69 - 84	48 - 84	48 - 84	55 - 84	68 - 84	[DEG]
		t	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t		

Full automatic jib



m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m
°	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°
2.0	4.00																				2.0
3.0	4.00																				3.0
4.0	4.00	4.00																			4.0
5.0	4.00	4.00																			5.0
6.0	4.00	4.00	3.00																		6.0
7.0	4.00	4.00	2.85		4.00				4.00								4.00				7.0
8.0	4.00	4.00	2.70	1.60	4.00				4.00				4.00				4.00				8.0
9.0	4.00	4.00	2.55	1.55	4.00				4.00				4.00				4.00				9.0
10.0	4.00	3.90	2.45	1.50	4.00	4.00			4.00	4.00			4.00				4.00				10.0
11.0	4.00	3.70	2.35		4.00	4.00			4.00	4.00			4.00	4.00			4.00	3.70			11.0
12.0	4.00	3.50	2.30		4.00	4.00	2.65	1.55	4.00	4.00	2.85		4.00	3.95			4.00	3.70			12.0
13.0	4.00	3.35			4.00	4.00	2.60	1.50	4.00	3.90	2.60	1.50	4.00	3.80	2.60		3.95	3.55			13.0
14.0	4.00	3.20			4.00	3.85	2.55	1.50	4.00	3.75	2.55	1.50	4.00	3.65	2.55	1.50	3.85	3.45	2.60	1.50	14.0
16.0					4.00	3.60	2.45	1.45	3.95	3.50	2.45	1.45	3.85	3.40	2.45	1.45	3.55	3.20	2.50	1.45	16.0
18.0					3.75	3.35	2.35	1.40	3.65	3.25	2.35	1.40	3.55	3.20	2.40	1.40	3.30	3.05	2.40	1.40	18.0
20.0					3.50	3.15	2.25	1.40	3.40	3.05	2.30	1.40	3.30	3.00	2.30	1.40	3.05	2.85	2.30	1.40	20.0
22.0					3.25	2.95	2.20	1.35	3.20	2.90	2.20	1.35	3.10	2.80	2.25	1.35	2.70	2.60	2.25	1.35	22.0
24.0					3.05	2.80	2.15		2.95	2.75	2.15	1.35	2.90	2.65	2.15	1.35	2.35	2.25	2.20	1.35	24.0
26.0					2.85	2.65	2.10		2.80	2.60	2.10		2.70	2.55	2.10		2.00	1.95	1.95	1.30	26.0
28.0					2.60	2.55	2.05		2.60	2.45	2.05		2.55	2.40	2.05		1.75	1.70	1.75		28.0
30.0					2.35	2.40	2.00		2.50	2.35	2.00		2.40	2.30	2.00		1.50	1.50	1.50		30.0
32.0					2.05	2.10			2.25	2.25	2.00		2.30	2.20	2.00		1.30	1.30	1.30		32.0
34.0					1.85	1.90			2.05	2.05			2.20	2.10	1.95		1.10	1.10	1.15		34.0
36.0					1.60	1.65			1.85	1.85			1.95	2.00			0.95	0.95	0.95		36.0
38.0					1.40	1.45			1.65	1.65			1.60	1.75			0.80	0.80			38.0
40.0					1.25				1.45	1.50			1.25	1.40			0.65	0.65			40.0
42.0					1.10				1.25	1.30			0.95	1.05			0.50	0.55			42.0
44.0									0.95				0.70	0.80				0.40			44.0
46.0									0.70				0.45								46.0
48.0																					48.0
50.0																					50.0
52.0																					52.0
54.0																					54.0
55.0																					55.0
56.0																					56.0
1	0	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	100	100	100	100	1
2	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	2
3	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	3
4	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	4
5	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	5
ID	1	1	1	1	9	9	9	9	10	10	10	10	11	11	11	11	22	22	22	22	ID
[DEG]	28 - 84	35 - 84	54 - 84	68 - 84	18 - 84	35 - 84	54 - 84	68 - 84	15 - 84	33 - 84	54 - 84	67 - 84	28 - 84	37 - 84	55 - 84	69 - 84	42 - 84	42 - 84	55 - 84	68 - 84	[DEG]
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	



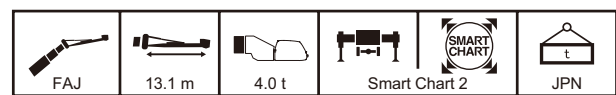
 m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m	
 °	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°	
 m	2.0	2.80																			2.0	
	3.0	2.80																			3.0	
	4.0	2.80																			4.0	
	5.0	2.80																			5.0	
	6.0	2.80																			6.0	
	7.0	2.80	2.60																			7.0
	8.0	2.80	2.45			2.80			2.80													8.0
	9.0	2.80	2.30			2.80			2.80					2.80								9.0
	10.0	2.65	2.20			2.80			2.80					2.80				2.65				10.0
	11.0	2.50	2.10	1.75		2.80			2.80					2.80				2.65				11.0
	12.0	2.35	2.00	1.65		2.80			2.80					2.75				2.60				12.0
	13.0	2.25	1.95	1.50	0.85	2.80	2.20		2.80	2.20				2.70				2.55				13.0
	14.0	2.10	1.85	1.45	0.85	2.80	2.15		2.75	2.15				2.65	2.15			2.55				14.0
	16.0	1.95	1.75	1.35		2.70	2.05	1.55		2.65	2.05	1.55		2.60	2.05			2.45	2.05			16.0
	18.0	1.80	1.65			2.55	2.00	1.50	0.80	2.55	2.00	1.50	0.80	2.50	2.00	1.50	0.80	2.40	1.95	1.50		18.0
	20.0	1.70				2.45	1.90	1.40	0.80	2.45	1.90	1.45	0.80	2.45	1.90	1.45	0.80	2.35	1.90	1.45	0.80	20.0
	22.0					2.30	1.85	1.35	0.75	2.35	1.85	1.35	0.75	2.35	1.85	1.40	0.75	2.30	1.85	1.40	0.75	22.0
	24.0					2.20	1.80	1.30	0.75	2.25	1.80	1.35	0.75	2.25	1.80	1.35	0.75	2.25	1.80	1.35	0.75	24.0
	26.0					2.10	1.75	1.25	0.75	2.15	1.75	1.30	0.75	2.15	1.75	1.30	0.75	2.00	1.75	1.30	0.75	26.0
	28.0					2.00	1.70	1.25		2.05	1.70	1.25	0.75	2.10	1.75	1.25	0.75	1.75	1.75	1.25	0.70	28.0
	30.0					1.95	1.70	1.20		2.00	1.70	1.20		2.00	1.70	1.20	0.70	1.55	1.55	1.20	0.70	30.0
	32.0					1.90	1.65	1.20		1.90	1.65	1.20		1.95	1.65	1.20		1.35	1.35	1.20		32.0
	34.0					1.80	1.60	1.15		1.85	1.65	1.15		1.90	1.65	1.15		1.15	1.20	1.15		34.0
	36.0					1.75	1.60			1.80	1.60	1.15		1.85	1.60	1.15		1.00	1.00	1.05		36.0
	38.0					1.60	1.60			1.75	1.60			1.80	1.60	1.10		0.85	0.90	0.90		38.0
	40.0					1.40	1.45			1.60	1.60			1.65	1.60	1.10		0.70	0.75	0.80		40.0
	42.0					1.25	1.30			1.40	1.45			1.35	1.55			0.60	0.65			42.0
	44.0					1.10				1.25	1.30			1.10	1.25			0.50	0.55			44.0
	46.0					0.95				1.10	1.20			0.85	1.00			0.40	0.40			46.0
	48.0					0.85				0.85				0.60	0.70							48.0
	50.0									0.65												50.0
	52.0																					52.0
54.0																					54.0	
55.0																					55.0	
56.0																					56.0	
 %	1	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	100	100	100	100	1	
	2	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	2	
	3	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	3	
	4	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	4	
	ID	5	0	0	0	0	92	92	92	92	92	92	92	92	92	92	100	100	100	100	5	
		1	1	1	1	9	9	9	9	10	10	10	10	11	11	11	11	22	22	22	22	ID
 [DEG]	0 - 84	40 - 84	57 - 84	71 - 84	0 - 84	38 - 84	56 - 84	69 - 84	20 - 84	37 - 84	57 - 84	68 - 84	35 - 84	39 - 84	54 - 84	68 - 84	43 - 84	47 - 84	57 - 84	70 - 84	[DEG]	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t		



	m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m	
	°	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°	
	2.0																					2.0	
	3.0	1.50																				3.0	
	4.0	1.50																				4.0	
	5.0	1.50																				5.0	
	6.0	1.50																				6.0	
	7.0	1.50																				7.0	
	8.0	1.50				1.50																8.0	
	9.0	1.50	1.25			1.50				1.50				1.45								9.0	
	10.0	1.45	1.15			1.50				1.50				1.45				1.35				10.0	
	11.0	1.35	1.10			1.50				1.45				1.40				1.35				11.0	
	12.0	1.25	1.05			1.45				1.45				1.40				1.35				12.0	
	13.0	1.20	1.00			1.45				1.40				1.35				1.30				13.0	
	14.0	1.15	0.95	0.85		1.40				1.40				1.35				1.30				14.0	
	16.0	1.00	0.90	0.80	0.55	1.35	1.00			1.30	1.00			1.30	1.00			1.25				16.0	
	18.0	0.95	0.85	0.75	0.50	1.30	0.95			1.25	0.95			1.25	0.95			1.20	0.95			18.0	
	20.0	0.85	0.80	0.75	0.50	1.20	0.90	0.75		1.20	0.90	0.75		1.20	0.90			1.15	0.90			20.0	
	22.0	0.80	0.75	0.70		1.15	0.90	0.75	0.50	1.15	0.90	0.75	0.50	1.15	0.90	0.75		1.15	0.90	0.75		22.0	
	24.0	0.75	0.75			1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	24.0	
	26.0					1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	26.0	
	28.0					1.00	0.80	0.70	0.45	1.00	0.80	0.70	0.45	1.05	0.80	0.70	0.45	1.00	0.80	0.70	0.45	28.0	
	30.0					0.95	0.80	0.70	0.45	0.95	0.80	0.70	0.45	1.00	0.80	0.70	0.45	1.00	0.80	0.70	0.45	30.0	
	32.0					0.90	0.75	0.70		0.95	0.75	0.70	0.40	0.95	0.75	0.70	0.40	0.95	0.75	0.70	0.40	32.0	
	34.0					0.85	0.75	0.70		0.90	0.75	0.70		0.90	0.75	0.70	0.40	0.90	0.75	0.70	0.40	34.0	
	36.0					0.85	0.75	0.70		0.85	0.75	0.70		0.90	0.75	0.70		0.90	0.75	0.65	0.40	36.0	
	38.0					0.80	0.70	0.70		0.85	0.70	0.70		0.85	0.70	0.65		0.85	0.70	0.65	0.40	38.0	
	40.0					0.80	0.70	0.70		0.80	0.70	0.70		0.80	0.70	0.65		0.75	0.70	0.65		40.0	
	42.0					0.75	0.70			0.80	0.70	0.70		0.80	0.70	0.65		0.65	0.70	0.65		42.0	
	44.0					0.75	0.70			0.75	0.70			0.80	0.70	0.65		0.55	0.60	0.65		44.0	
	46.0					0.75	0.70			0.75	0.70			0.75	0.70			0.45	0.50	0.55		46.0	
	48.0					0.70	0.70			0.75	0.70			0.75	0.70				0.40				48.0
	50.0					0.70				0.70	0.70			0.70	0.70								50.0
	52.0					0.70				0.70				0.70	0.70								52.0
54.0									0.60					0.50	0.70							54.0	
55.0									0.50						0.45							55.0	
56.0									0.45													56.0	
	1	0	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	100	100	100	100	1	
	2	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	2	
	3	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	3	
	4	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	4	
	5	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	5	
ID	1	1	1	1	9	9	9	9	9	10	10	10	10	11	11	11	11	22	22	22	22	ID	
	[DEG]	19 - 84	31 - 84	51 - 84	65 - 84	17 - 84	37 - 84	54 - 84	71 - 84	0 - 84	40 - 84	55 - 84	70 - 84	37 - 84	39 - 84	57 - 84	69 - 84	49 - 84	52 - 84	57 - 84	68 - 84	[DEG]	
		5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t		

	m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m	
	°	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°	
 m	2.0	4.00																				2.0	
	3.0	4.00																				3.0	
	4.0	4.00	4.00																			4.0	
	5.0	4.00	4.00																			5.0	
	6.0	4.00	4.00	3.00																		6.0	
	7.0	4.00	4.00	2.85		4.00				4.00												7.0	
	8.0	4.00	4.00	2.70	1.60	4.00				4.00				4.00				4.00				8.0	
	9.0	4.00	4.00	2.55	1.55	4.00				4.00				4.00				4.00				9.0	
	10.0	4.00	3.90	2.45	1.50	4.00	4.00			4.00	4.00			4.00				4.00				10.0	
	11.0	4.00	3.70	2.35		4.00	4.00			4.00	4.00			4.00	4.00			4.00				11.0	
	12.0	4.00	3.50	2.30		4.00	4.00	2.65	1.55	4.00	4.00	2.65		4.00	3.95			4.00	3.70			12.0	
	13.0	4.00	3.35			4.00	4.00	2.60	1.50	4.00	3.90	2.60		4.00	3.80	2.60		3.95	3.55			13.0	
	14.0	4.00	3.20			4.00	3.85	2.55	1.50	4.00	3.75	2.55	1.50	4.00	3.65	2.55	1.50	3.85	3.45	2.60	1.50	14.0	
	16.0					4.00	3.60	2.45	1.45	3.95	3.50	2.45	1.45	3.85	3.40	2.45	1.45	3.55	3.20	2.50	1.45	16.0	
	18.0					3.75	3.35	2.35	1.40	3.65	3.25	2.35	1.40	3.55	3.20	2.40	1.40	3.30	3.05	2.40	1.40	18.0	
	20.0					3.50	3.15	2.25	1.40	3.40	3.05	2.30	1.40	3.30	3.00	2.30	1.40	3.05	2.85	2.30	1.40	20.0	
	22.0					3.25	2.95	2.20	1.35	3.20	2.90	2.20	1.35	3.10	2.80	2.25	1.35	2.70	2.60	2.25	1.35	22.0	
	24.0					3.05	2.80	2.15		2.95	2.75	2.15	1.35	2.90	2.65	2.15	1.35	2.35	2.25	2.20	1.35	24.0	
	26.0					2.85	2.65	2.10		2.80	2.60	2.10		2.70	2.55	2.10		2.00	1.95	1.95	1.30	26.0	
	28.0					2.60	2.55	2.05		2.60	2.45	2.05		2.55	2.40	2.05		1.75	1.70	1.75		28.0	
	30.0					2.35	2.40	2.00		2.50	2.35	2.00		2.40	2.30	2.00		1.50	1.50	1.50		30.0	
	32.0					2.05	2.10			2.25	2.25	2.00		2.30	2.20	2.00		1.30	1.30	1.30		32.0	
	34.0					1.85	1.90			2.05	2.05			1.85	2.05	1.95		1.10	1.10	1.15		34.0	
	36.0					1.60	1.65			1.70	1.85			1.50	1.65			0.95	0.95	0.95		36.0	
	38.0					1.40	1.45			1.40	1.50			1.15	1.30			0.80	0.80			38.0	
	40.0					1.25				1.10	1.20			0.85	1.00			0.65	0.65			40.0	
	42.0					1.00				0.85	0.90			0.60	0.70			0.50	0.55			42.0	
	44.0									0.60					0.45				0.40				44.0
	46.0									0.40													46.0
	48.0																						48.0
	50.0																						50.0
	52.0																						52.0
54.0																						54.0	
55.0																						55.0	
56.0																						56.0	
 %	1	0	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	100	100	100	100	1	
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ID	1	1	1	1	9	9	9	9	9	10	10	10	10	11	11	11	11	22	22	22	22	ID	
 [DEG]		28 - 84	35 - 84	54 - 84	68 - 84	18 - 84	35 - 84	54 - 84	68 - 84	15 - 84	33 - 84	54 - 84	67 - 84	37 - 84	37 - 84	55 - 84	69 - 84	42 - 84	42 - 84	55 - 84	68 - 84	[DEG]	
 %		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t		

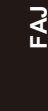
Full automatic jib



m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m
°	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°
2.0	2.80																				2.0
3.0	2.80																				3.0
4.0	2.80																				4.0
5.0	2.80																				5.0
6.0	2.80																				6.0
7.0	2.80	2.60																			7.0
8.0	2.80	2.45			2.80				2.80												8.0
9.0	2.80	2.30			2.80				2.80				2.80								9.0
10.0	2.65	2.20	1.75		2.80				2.80				2.80				2.65				10.0
11.0	2.50	2.10	1.65		2.80				2.80				2.80				2.65				11.0
12.0	2.35	2.00	1.55	0.90	2.80				2.80				2.75				2.60				12.0
13.0	2.25	1.95	1.50	0.85	2.80	2.20			2.80	2.20			2.70				2.55				13.0
14.0	2.10	1.85	1.45	0.85	2.80	2.15			2.75	2.15			2.65	2.15			2.55				14.0
16.0	1.95	1.75	1.35		2.70	2.05	1.55		2.65	2.05	1.55		2.60	2.05			2.45	2.05			16.0
18.0	1.80	1.65			2.55	2.00	1.50	0.80	2.55	2.00	1.50	0.80	2.50	2.00	1.50	0.80	2.40	1.95	1.50		18.0
20.0	1.70				2.45	1.90	1.40	0.80	2.45	1.90	1.45	0.80	2.45	1.90	1.45	0.80	2.35	1.90	1.45	0.80	20.0
22.0					2.30	1.85	1.35	0.75	2.35	1.85	1.35	0.75	2.35	1.85	1.40	0.75	2.30	1.85	1.40	0.75	22.0
24.0					2.20	1.80	1.30	0.75	2.25	1.80	1.35	0.75	2.25	1.80	1.35	0.75	2.25	1.80	1.35	0.75	24.0
26.0					2.10	1.75	1.25	0.75	2.15	1.75	1.30	0.75	2.15	1.75	1.30	0.75	2.00	1.75	1.30	0.75	26.0
28.0					2.00	1.70	1.25		2.05	1.70	1.25	0.75	2.10	1.75	1.25	0.70	1.75	1.75	1.25	0.70	28.0
30.0					1.95	1.70	1.20		2.00	1.70	1.20		2.00	1.70	1.20	0.70	1.55	1.55	1.20	0.70	30.0
32.0					1.90	1.65	1.20		1.90	1.65	1.20		1.95	1.65	1.20		1.35	1.35	1.20		32.0
34.0					1.80	1.60	1.15		1.85	1.65	1.15		1.90	1.65	1.15		1.15	1.20	1.15		34.0
36.0					1.75	1.60			1.80	1.60	1.15		1.85	1.60	1.15		1.00	1.00	1.05		36.0
38.0					1.60	1.60			1.75	1.60			1.50	1.60	1.10		0.85	0.90	0.90		38.0
40.0					1.40	1.45			1.45	1.60			1.20	1.45	1.10		0.70	0.75	0.80		40.0
42.0					1.25	1.30			1.20	1.35			0.95	1.15			0.60	0.65			42.0
44.0					1.10				0.95	1.10			0.70	0.90			0.50	0.55			44.0
46.0					0.90				0.75	0.85			0.50	0.65			0.40	0.40			46.0
48.0					0.70				0.55												48.0
50.0																					50.0
52.0																					52.0
54.0																					54.0
55.0																					55.0
56.0																					56.0
1	0	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	100	100	100	100	1
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ID	1	1	1	1	9	9	9	9	10	10	10	10	11	11	11	11	22	22	22	22	ID
[DEG]	0 - 84	40 - 84	57 - 84	71 - 84	0 - 84	38 - 84	56 - 84	69 - 84	26 - 84	37 - 84	57 - 84	68 - 84	39 - 84	43 - 84	54 - 84	68 - 84	43 - 84	47 - 84	57 - 84	70 - 84	[DEG]
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 m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m	
 °	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°	
 m	2.0																				2.0	
	3.0	1.50																			3.0	
	4.0	1.50																			4.0	
	5.0	1.50																			5.0	
	6.0	1.50																			6.0	
	7.0	1.50																			7.0	
	8.0	1.50				1.50															8.0	
	9.0	1.50	1.25			1.50				1.50				1.45							9.0	
	10.0	1.45	1.15			1.50				1.50				1.45				1.35			10.0	
	11.0	1.35	1.10			1.50				1.45				1.40				1.35			11.0	
	12.0	1.25	1.05			1.45				1.45				1.40				1.35			12.0	
	13.0	1.20	1.00			1.45				1.40				1.35				1.30			13.0	
	14.0	1.15	0.95	0.85		1.40				1.40				1.35				1.30			14.0	
	16.0	1.00	0.90	0.80	0.55	1.35	1.00			1.30	1.00			1.30	1.00			1.25			16.0	
	18.0	0.95	0.85	0.75	0.50	1.30	0.95			1.25	0.95			1.25	0.95			1.20	0.95		18.0	
	20.0	0.85	0.80	0.75	0.50	1.20	0.90	0.75		1.20	0.90	0.75		1.20	0.90			1.15	0.90		20.0	
	22.0	0.80	0.75	0.70		1.15	0.90	0.75	0.50	1.15	0.90	0.75	0.50	1.15	0.90	0.75		1.15	0.90	0.75	22.0	
	24.0	0.75	0.75			1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	24.0
	26.0					1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	26.0
	28.0					1.00	0.80	0.70	0.45	1.00	0.80	0.70	0.45	1.05	0.80	0.70	0.45	1.00	0.80	0.70	0.45	28.0
	30.0					0.95	0.80	0.70	0.45	0.95	0.80	0.70	0.45	1.00	0.80	0.70	0.45	1.00	0.80	0.70	0.45	30.0
	32.0					0.90	0.75	0.70		0.95	0.75	0.70	0.40	0.95	0.75	0.70	0.40	0.95	0.75	0.70	0.40	32.0
	34.0					0.85	0.75	0.70		0.90	0.75	0.70		0.90	0.75	0.70	0.40	0.90	0.75	0.70	0.40	34.0
	36.0					0.85	0.75	0.70		0.85	0.75	0.70		0.90	0.75	0.70		0.90	0.75	0.65	0.40	36.0
	38.0					0.80	0.70	0.70		0.85	0.70	0.70		0.85	0.70	0.65		0.85	0.70	0.65		38.0
	40.0					0.80	0.70	0.70		0.80	0.70	0.70		0.80	0.70	0.65		0.75	0.70	0.65		40.0
	42.0					0.75	0.70			0.80	0.70	0.70		0.80	0.70	0.65		0.65	0.70	0.65		42.0
	44.0					0.75	0.70			0.75	0.70			0.80	0.70	0.65		0.55	0.60	0.65		44.0
46.0					0.75	0.70			0.75	0.70			0.75	0.70			0.45	0.50	0.55		46.0	
48.0					0.70	0.70			0.75	0.70			0.60	0.70				0.40			48.0	
50.0					0.70				0.65	0.70			0.40	0.60							50.0	
52.0					0.65				0.50					0.40							52.0	
54.0																					54.0	
55.0																					55.0	
56.0																					56.0	
 %	1	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	100	100	100	100	1	
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	3	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	3	
	4	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	4	
	ID	0	1	1	1	1	9	9	9	9	10	10	10	10	11	11	11	11	22	22	22	22
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	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t		



	m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m	
	°	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°	
 m	2.0	4.00																				2.0	
	3.0	4.00																				3.0	
	4.0	4.00	4.00																			4.0	
	5.0	4.00	4.00																			5.0	
	6.0	4.00	4.00	3.00																		6.0	
	7.0	4.00	4.00	2.85		4.00				4.00												7.0	
	8.0	4.00	4.00	2.70	1.60	4.00				4.00								4.00				8.0	
	9.0	4.00	4.00	2.55	1.55	4.00				4.00					4.00			4.00				9.0	
	10.0	4.00	3.90	2.45	1.50	4.00	4.00			4.00	4.00				4.00			4.00				10.0	
	11.0	4.00	3.70	2.35		4.00	4.00			4.00	4.00				4.00	4.00		4.00				11.0	
	12.0	4.00	3.50	2.30		4.00	4.00	2.65	1.55	4.00	4.00	2.65			4.00	3.95		4.00	3.70			12.0	
	13.0	4.00	3.35			4.00	4.00	2.60	1.50	4.00	3.90	2.60	1.50		4.00	3.80	2.60		3.95	3.55		13.0	
	14.0	4.00	3.20			4.00	3.85	2.55	1.50	4.00	3.75	2.55	1.50		4.00	3.65	2.55	1.50	3.85	3.45	2.60	1.50	14.0
	16.0					4.00	3.60	2.45	1.45	3.95	3.50	2.45	1.45	3.85	3.40	2.45	1.45	3.55	3.20	2.50	1.45	16.0	
	18.0					3.75	3.35	2.35	1.40	3.65	3.25	2.35	1.40	3.55	3.20	2.40	1.40	3.30	3.05	2.40	1.40	18.0	
	20.0					3.50	3.15	2.25	1.40	3.40	3.05	2.30	1.40	3.30	3.00	2.30	1.40	3.05	2.85	2.30	1.40	20.0	
	22.0					3.25	2.95	2.20	1.35	3.20	2.90	2.20	1.35	3.10	2.80	2.25	1.35	2.70	2.60	2.25	1.35	22.0	
	24.0					3.05	2.80	2.15		2.95	2.75	2.15	1.35	2.90	2.65	2.15	1.35	2.35	2.25	2.20	1.35	24.0	
	26.0					2.85	2.65	2.10		2.80	2.60	2.10		2.70	2.55	2.10		2.00	1.95	1.95	1.30	26.0	
	28.0					2.60	2.55	2.05		2.60	2.45	2.05		2.55	2.40	2.05		1.75	1.70	1.75		28.0	
	30.0					2.35	2.40	2.00		2.35	2.35	2.00		2.10	2.30	2.00		1.50	1.50	1.50		30.0	
	32.0					2.05	2.10			1.90	2.10	2.00		1.70	1.90	2.00		1.30	1.30	1.30		32.0	
	34.0					1.70	1.85			1.55	1.70			1.30	1.50			1.10	1.10	1.15		34.0	
	36.0					1.35	1.45			1.20	1.35			0.95	1.15			0.95	0.95	0.95		36.0	
	38.0					1.05	1.15			0.90	1.00			0.65	0.80			0.65	0.80			38.0	
	40.0					0.80				0.65	0.75			0.40	0.55					0.50			40.0
	42.0					0.55				0.40	0.50												42.0
	44.0																						44.0
	46.0																						46.0
	48.0																						48.0
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	5	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	5	
ID	1	1	1	1	9	9	9	9	9	10	10	10	10	10	11	11	11	11	22	22	22	22	ID
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		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t		

	m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m
	°	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°
	2.0	2.80																				2.0
	3.0	2.80																				3.0
	4.0	2.80																				4.0
	5.0	2.80																				5.0
	6.0	2.80																				6.0
	7.0	2.80	2.60																			7.0
	8.0	2.80	2.45			2.80				2.80												8.0
	9.0	2.80	2.30			2.80				2.80				2.80								9.0
	10.0	2.65	2.20	1.75		2.80				2.80				2.80				2.65				10.0
	11.0	2.50	2.10	1.65		2.80				2.80				2.80				2.65				11.0
	12.0	2.35	2.00	1.55	0.90	2.80				2.80				2.75				2.60				12.0
	13.0	2.25	1.95	1.50	0.85	2.80	2.20			2.80	2.20			2.70				2.55				13.0
	14.0	2.10	1.85	1.45	0.85	2.80	2.15			2.75	2.15			2.65	2.15			2.55				14.0
	16.0	1.95	1.75	1.35		2.70	2.05	1.55		2.65	2.05	1.55		2.60	2.05			2.45	2.05			16.0
	18.0	1.80	1.65			2.55	2.00	1.50	0.80	2.55	2.00	1.50	0.80	2.50	2.00	1.50	0.80	2.40	1.95	1.50		18.0
	20.0	1.70				2.45	1.90	1.40	0.80	2.45	1.90	1.45	0.80	2.45	1.90	1.45	0.80	2.35	1.90	1.45	0.80	20.0
	22.0					2.30	1.85	1.35	0.75	2.35	1.85	1.35	0.75	2.35	1.85	1.40	0.75	2.30	1.85	1.40	0.75	22.0
	24.0					2.20	1.80	1.30	0.75	2.25	1.80	1.35	0.75	2.25	1.80	1.35	0.75	2.25	1.80	1.35	0.75	24.0
	26.0					2.10	1.75	1.25	0.75	2.15	1.75	1.30	0.75	2.15	1.75	1.30	0.75	2.00	1.75	1.30	0.75	26.0
	28.0					2.00	1.70	1.25		2.05	1.70	1.25	0.75	2.10	1.75	1.25	0.70	1.75	1.75	1.25	0.70	28.0
	30.0					1.95	1.70	1.20		2.00	1.70	1.20		2.00	1.70	1.20	0.70	1.55	1.55	1.20	0.70	30.0
	32.0					1.90	1.65	1.20		1.90	1.65	1.20		1.95	1.65	1.20		1.35	1.35	1.20		32.0
	34.0					1.80	1.60	1.15		1.85	1.65	1.15		1.65	1.65	1.15		1.15	1.20	1.15		34.0
	36.0					1.75	1.60			1.55	1.60	1.15		1.35	1.60	1.15		1.00	1.00	1.05		36.0
	38.0					1.45	1.60			1.25	1.50			1.05	1.30	1.10		0.85	0.90	0.90		38.0
	40.0					1.15	1.30			1.00	1.20			0.75	1.00	1.10		0.70	0.75	0.80		40.0
	42.0					0.90	1.05			0.75	0.90			0.55	0.70			0.50	0.65			42.0
	44.0					0.70				0.55	0.65				0.50				0.45			
46.0					0.50																	46.0
48.0																						48.0
50.0																						50.0
52.0																						52.0
54.0																						54.0
55.0																						55.0
56.0																						56.0
	1	0	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	100	100	100	100	1
	2	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	2
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	4	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	4
	5	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	5
	ID	1	1	1	1	9	9	9	9	10	10	10	10	11	11	11	11	22	22	22	22	ID
	[DEG]	0 - 84	40 - 84	57 - 84	71 - 84	22 - 84	38 - 84	56 - 84	69 - 84	36 - 84	41 - 84	57 - 84	68 - 84	45 - 84	46 - 84	54 - 84	68 - 84	48 - 84	49 - 84	57 - 84	70 - 84	[DEG]
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	

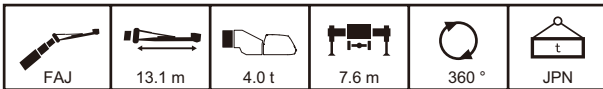
Full automatic jib

					
FAJ	17.7 m	4.0 t	7.8 m	360 °	JPN

		m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m	
		°	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°	
	2.0																						2.0	
	3.0	1.50																					3.0	
	4.0	1.50																					4.0	
	5.0	1.50																					5.0	
	6.0	1.50																					6.0	
	7.0	1.50																					7.0	
	8.0	1.50					1.50																8.0	
	9.0	1.50	1.25				1.50				1.50				1.45								9.0	
	10.0	1.45	1.15				1.50				1.50				1.45				1.35				10.0	
	11.0	1.35	1.10				1.50				1.45				1.40				1.35				11.0	
	12.0	1.25	1.05				1.45				1.45				1.40				1.35				12.0	
	13.0	1.20	1.00				1.45				1.40				1.35				1.30				13.0	
	14.0	1.15	0.95	0.85			1.40				1.40				1.35				1.30				14.0	
	16.0	1.00	0.90	0.80	0.55		1.35	1.00			1.30	1.00			1.30	1.00			1.25				16.0	
	18.0	0.95	0.85	0.75	0.50		1.30	0.95			1.25	0.95			1.25	0.95			1.20	0.95			18.0	
	20.0	0.85	0.80	0.75	0.50		1.20	0.90	0.75		1.20	0.90	0.75		1.20	0.90			1.15	0.90			20.0	
	22.0	0.80	0.75	0.70			1.15	0.90	0.75	0.50	1.15	0.90	0.75	0.50	1.15	0.90	0.75		1.15	0.90	0.75		22.0	
	24.0	0.75	0.75				1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	24.0	
	26.0						1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	26.0	
	28.0						1.00	0.80	0.70	0.45	1.00	0.80	0.70	0.45	1.05	0.80	0.70	0.45	1.00	0.80	0.70	0.45	28.0	
	30.0						0.95	0.80	0.70	0.45	0.95	0.80	0.70	0.45	1.00	0.80	0.70	0.45	1.00	0.80	0.70	0.45	30.0	
	32.0						0.90	0.75	0.70		0.95	0.75	0.70	0.40	0.95	0.75	0.70	0.40	0.95	0.75	0.70	0.40	32.0	
	34.0						0.85	0.75	0.70		0.90	0.75	0.70		0.90	0.75	0.70	0.40	0.90	0.75	0.70	0.40	34.0	
	36.0						0.85	0.75	0.70		0.85	0.75	0.70		0.90	0.75	0.70		0.90	0.75	0.65	0.40	36.0	
	38.0						0.80	0.70	0.70		0.85	0.70	0.70		0.85	0.70	0.65		0.85	0.70	0.65		38.0	
	40.0						0.80	0.70	0.70		0.80	0.70	0.70		0.80	0.70	0.65		0.75	0.70	0.65		40.0	
	42.0						0.75	0.70			0.80	0.70	0.70		0.80	0.70	0.65		0.65	0.70	0.65		42.0	
	44.0						0.75	0.70			0.75	0.70			0.60	0.70	0.65		0.55	0.60	0.65		44.0	
46.0						0.75	0.70			0.65	0.70			0.40	0.65				0.50	0.55		46.0		
48.0						0.60	0.70			0.45	0.60				0.45					0.40			48.0	
50.0						0.45					0.40												50.0	
52.0																							52.0	
54.0																							54.0	
55.0																							55.0	
56.0																							56.0	
	1	0	0	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	100	100	100	100	1	
	2	0	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	2	
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ID		1	1	1	1	9	9	9	9	9	10	10	10	10	10	11	11	11	11	22	22	22	22	ID
 [DEG]			19 - 84	31 - 84	51 - 84	65 - 84	25 - 84	37 - 84	54 - 84	71 - 84	38 - 84	40 - 84	55 - 84	70 - 84	46 - 84	49 - 84	57 - 84	69 - 84	51 - 84	52 - 84	57 - 84	68 - 84	[DEG]	
			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
			5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t		

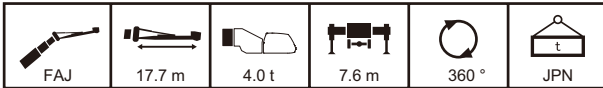
					
FAJ	8.4 m	4.0 t	7.6 m	360 °	JPN

	m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m
	°	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°
	2.0	4.00																				2.0
	3.0	4.00																				3.0
	4.0	4.00	4.00																			4.0
	5.0	4.00	4.00																			5.0
	6.0	4.00	4.00	3.00																		6.0
	7.0	4.00	4.00	2.85		4.00				4.00												7.0
	8.0	4.00	4.00	2.70	1.60	4.00				4.00				4.00				4.00				8.0
	9.0	4.00	4.00	2.55	1.55	4.00				4.00				4.00				4.00				9.0
	10.0	4.00	3.90	2.45	1.50	4.00	4.00			4.00	4.00			4.00				4.00				10.0
	11.0	4.00	3.70	2.35		4.00	4.00			4.00	4.00			4.00	4.00			4.00				11.0
	12.0	4.00	3.50	2.30		4.00	4.00	2.65	1.55	4.00	4.00	2.65		4.00	3.95			4.00	3.70			12.0
	13.0	4.00	3.35			4.00	4.00	2.60	1.50	4.00	3.90	2.60	1.50	4.00	3.80	2.60		3.95	3.55			13.0
	14.0	4.00	3.20			4.00	3.85	2.55	1.50	4.00	3.75	2.55	1.50	4.00	3.65	2.55	1.50	3.85	3.45	2.60	1.50	14.0
	16.0					4.00	3.60	2.45	1.45	3.95	3.50	2.45	1.45	3.85	3.40	2.45	1.45	3.55	3.20	2.50	1.45	16.0
	18.0					3.75	3.35	2.35	1.40	3.65	3.25	2.35	1.40	3.55	3.20	2.40	1.40	3.30	3.05	2.40	1.40	18.0
	20.0					3.50	3.15	2.25	1.40	3.40	3.05	2.30	1.40	3.30	3.00	2.30	1.40	3.05	2.85	2.30	1.40	20.0
	22.0					3.25	2.95	2.20	1.35	3.20	2.90	2.20	1.35	3.10	2.80	2.25	1.35	2.70	2.60	2.25	1.35	22.0
	24.0					3.05	2.80	2.15		2.95	2.75	2.15	1.35	2.90	2.65	2.15	1.35	2.35	2.25	2.20	1.35	24.0
	26.0					2.85	2.65	2.10		2.80	2.60	2.10		2.70	2.55	2.10		2.00	1.95	1.95	1.30	26.0
	28.0					2.60	2.55	2.05		2.60	2.45	2.05		2.45	2.40	2.05		1.75	1.70	1.75		28.0
30.0					2.35	2.40	2.00		2.20	2.35	2.00		1.95	2.20	2.00		1.50	1.50	1.50		30.0	
32.0					1.95	2.10			1.80	2.00	2.00		1.55	1.75	1.90		1.30	1.30	1.30		32.0	
34.0					1.55	1.70			1.40	1.60			1.15	1.35	1.45		1.10	1.10	1.15		34.0	
36.0					1.25	1.35			1.10	1.25			0.85	1.00			0.80	0.95	0.95		36.0	
38.0					0.95	1.05			0.80	0.90			0.55	0.70			0.55	0.70			38.0	
40.0					0.70				0.55	0.65					0.45				0.40			40.0
42.0					0.45					0.40												42.0
44.0																						44.0
46.0																						46.0
48.0																						48.0
50.0																						50.0
52.0																						52.0
54.0																						54.0
55.0																						55.0
56.0																						56.0
	%	1	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	100	100	100	100	1
		2	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	2
		3	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	3
		4	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	4
		5	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	5
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		5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	



 m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m	
 °	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°	
 m	2.0	2.80																			2.0	
	3.0	2.80																			3.0	
	4.0	2.80																			4.0	
	5.0	2.80																			5.0	
	6.0	2.80																			6.0	
	7.0	2.80	2.60																		7.0	
	8.0	2.80	2.45		2.80				2.80													8.0
	9.0	2.80	2.30		2.80				2.80					2.80								9.0
	10.0	2.65	2.20	1.75	2.80				2.80					2.80				2.65				10.0
	11.0	2.50	2.10	1.65	2.80				2.80					2.80				2.65				11.0
	12.0	2.35	2.00	1.55	0.90	2.80			2.80					2.75				2.60				12.0
	13.0	2.25	1.95	1.50	0.85	2.80	2.20		2.80	2.20				2.70				2.55				13.0
	14.0	2.10	1.85	1.45	0.85	2.80	2.15		2.75	2.15				2.65	2.15			2.55				14.0
	16.0	1.95	1.75	1.35		2.70	2.05	1.55	2.65	2.05	1.55			2.60	2.05			2.45	2.05			16.0
	18.0	1.80	1.65			2.55	2.00	1.50	0.80	2.55	2.00	1.50	0.80	2.50	2.00	1.50	0.80	2.40	1.95	1.50		18.0
	20.0	1.70				2.45	1.90	1.40	0.80	2.45	1.90	1.45	0.80	2.45	1.90	1.45	0.80	2.35	1.90	1.45	0.80	20.0
	22.0					2.30	1.85	1.35	0.75	2.35	1.85	1.35	0.75	2.35	1.85	1.40	0.75	2.30	1.85	1.40	0.75	22.0
	24.0					2.20	1.80	1.30	0.75	2.25	1.80	1.35	0.75	2.25	1.80	1.35	0.75	2.25	1.80	1.35	0.75	24.0
	26.0					2.10	1.75	1.25	0.75	2.15	1.75	1.30	0.75	2.15	1.75	1.30	0.75	2.00	1.75	1.30	0.75	26.0
	28.0					2.00	1.70	1.25		2.05	1.70	1.25	0.75	2.10	1.75	1.25	0.70	1.75	1.75	1.25	0.70	28.0
	30.0					1.95	1.70	1.20		2.00	1.70	1.20		2.00	1.70	1.20	0.70	1.55	1.55	1.20	0.70	30.0
	32.0					1.90	1.65	1.20		1.90	1.65	1.20		1.90	1.65	1.20		1.35	1.35	1.20		32.0
	34.0					1.80	1.60	1.15		1.80	1.65	1.15		1.55	1.65	1.15		1.15	1.20	1.15		34.0
	36.0					1.60	1.60			1.45	1.60	1.15		1.20	1.50	1.15		1.00	1.00	1.05		36.0
	38.0					1.30	1.50			1.15	1.35			0.90	1.15	1.10		0.85	0.90	0.90		38.0
	40.0					1.05	1.20			0.90	1.10			0.65	0.90	1.00		0.60	0.75	0.80		40.0
	42.0					0.80	0.95			0.65	0.80				0.60			0.40	0.60			42.0
	44.0					0.60					0.60											44.0
	46.0																					46.0
	48.0																					48.0
	50.0																					50.0
	52.0																					52.0
54.0																					54.0	
55.0																					55.0	
56.0																					56.0	
 %	1	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	100	100	100	100	1	
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ID	1	1	1	1	9	9	9	9	10	10	10	10	11	11	11	11	22	22	22	22	ID	
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	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t		

FAJ



	m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m
	°	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°
	2.0																					2.0
	3.0	1.50																				3.0
	4.0	1.50																				4.0
	5.0	1.50																				5.0
	6.0	1.50																				6.0
	7.0	1.50																				7.0
	8.0	1.50				1.50				1.50				1.45								8.0
	9.0	1.50	1.25			1.50				1.50				1.45				1.35				9.0
	10.0	1.45	1.15			1.50				1.50				1.45				1.35				10.0
	11.0	1.35	1.10			1.50				1.45				1.40				1.35				11.0
	12.0	1.25	1.05			1.45				1.45				1.40				1.35				12.0
	13.0	1.20	1.00			1.45				1.40				1.35				1.30				13.0
	14.0	1.15	0.95	0.85		1.40				1.40				1.35				1.30				14.0
	16.0	1.00	0.90	0.80	0.55	1.35	1.00			1.30	1.00			1.30	1.00			1.25				16.0
	18.0	0.95	0.85	0.75	0.50	1.30	0.95			1.25	0.95			1.25	0.95			1.20	0.95			18.0
	20.0	0.85	0.80	0.75	0.50	1.20	0.90	0.75		1.20	0.90	0.75		1.20	0.90			1.15	0.90			20.0
	22.0	0.80	0.75	0.70		1.15	0.90	0.75	0.50	1.15	0.90	0.75	0.50	1.15	0.90	0.75		1.15	0.90	0.75		22.0
	24.0	0.75	0.75			1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	24.0
	26.0					1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	26.0
	28.0					1.00	0.80	0.70	0.45	1.00	0.80	0.70	0.45	1.05	0.80	0.70	0.45	1.00	0.80	0.70	0.45	28.0
	30.0					0.95	0.80	0.70	0.45	0.95	0.80	0.70	0.45	1.00	0.80	0.70	0.45	1.00	0.80	0.70	0.45	30.0
	32.0					0.90	0.75	0.70		0.95	0.75	0.70	0.40	0.95	0.75	0.70	0.40	0.95	0.75	0.70	0.40	32.0
	34.0					0.85	0.75	0.70		0.90	0.75	0.70		0.90	0.75	0.70	0.40	0.90	0.75	0.70	0.40	34.0
	36.0					0.85	0.75	0.70		0.85	0.75	0.70		0.90	0.75	0.70		0.90	0.75	0.65	0.40	36.0
	38.0					0.80	0.70	0.70		0.85	0.70	0.70		0.85	0.70	0.65		0.85	0.70	0.65		38.0
	40.0					0.80	0.70	0.70		0.80	0.70	0.70		0.80	0.70	0.65		0.75	0.70	0.65		40.0
	42.0					0.75	0.70			0.80	0.70	0.70		0.75	0.70	0.65		0.65	0.70	0.65		42.0
	44.0					0.75	0.70			0.75	0.70			0.50	0.70	0.65		0.45	0.60	0.65		44.0
46.0					0.70	0.70			0.55	0.70				0.55	0.65			0.50	0.55		46.0	
48.0					0.55	0.65			0.40	0.55											48.0	
50.0					0.40																50.0	
52.0																					52.0	
54.0																					54.0	
55.0																					55.0	
56.0																					56.0	
	1	0	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	100	100	100	100	1
	2	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	2
	3	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	3
	4	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	4
	5	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	5
ID	1	1	1	1	9	9	9	9	10	10	10	10	10	11	11	11	11	22	22	22	22	ID
	[DEG]	19 - 84	31 - 84	51 - 84	65 - 84	25 - 84	37 - 84	54 - 84	71 - 84	38 - 84	43 - 84	55 - 84	70 - 84	49 - 84	52 - 84	57 - 84	69 - 84	51 - 84	54 - 84	57 - 84	68 - 84	[DEG]
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	

Full automatic jib

					
FAJ	8.4 m	4.0 t	7.2 m	360°	JPN

		m				10.2				10.2				10.2				10.2				38.2				38.2				38.2				38.2				41.7				41.7				41.7				41.7				45.2				45.2				45.2				45.2				48.0				48.0				48.0				48.0				m			
		°				5				25				45				60				5				25				45				60				5				25				45				60				5				25				45				60				°																			
	2.0	4.00																																																																				2.0																			
	3.0	4.00																																																																				3.0																			
	4.0	4.00				4.00																																																																4.0																			
	5.0	4.00				4.00																																																												5.0																							
	6.0	4.00				4.00				3.00																																																				6.0																											
	7.0	4.00				4.00				2.85				4.00												4.00																																7.0																															
	8.0	4.00				4.00				2.70				1.60				4.00								4.00																												8.0																																			
	9.0	4.00				4.00				2.55				1.55				4.00								4.00																												9.0																																			
	10.0	4.00				3.90				2.45				1.50				4.00				4.00				4.00				4.00																								10.0																																			
	11.0	4.00				3.70				2.35								4.00				4.00				4.00				4.00																								11.0																																			
	12.0	4.00				3.50				2.30								4.00				4.00				2.65				1.55				4.00				4.00				2.65								4.00				3.95								4.00				3.70				12.0																			
	13.0	4.00				3.35												4.00				4.00				2.60				1.50				4.00				3.90				2.60				1.50				4.00				3.80				2.60								3.95				3.55				13.0															
	14.0	4.00				3.20												4.00				3.85				2.55				1.50				4.00				3.75				2.55				1.50				4.00				3.65				2.55				1.50				3.85				3.45				2.60				1.50				14.0							
	15.0																	4.00				3.60				2.45				1.45				3.95				3.50				2.45				1.45				3.85				3.40				2.45				1.45				3.55				3.20				2.50				1.45				15.0							
	16.0																	4.00				3.75				3.35				2.35				1.40				3.65				3.25				2.35				1.40				3.55				3.20				2.40				1.40				3.30				3.05				2.40				1.40				16.0			
	17.0																	4.00				3.50				3.15				2.25				1.40				3.40				3.05				2.30				1.40				3.30				2.85				2.30				1.40				2.00				1.95				1.95				1.30				20.0			
	18.0																	4.00				3.25				2.95				2.20				1.35				3.20				2.90				2.20				1.35				3.10				2.80				2.25				1.35				2.70				2.60				2.25				1.35				22.0			
	19.0																	4.00				3.05				2.80				2.15				1.35				2.95				2.75				2.15				1.35				2.90				2.65				2.15				1.35				2.35				2.25				2.20				1.35				24.0			
	20.0																	4.00				2.85				2.65				2.10				2.80				2.60				2.10				2.70				2.55				2.10				2.00				1.95				1.95				1.30				26.0															
	21.0																	4.00				2.65				2.55				2.05				2.40				2.45				2.05				2.15				2.40				2.05				2.05				1.75				1.70				1.75				28.0															
	22.0																	4.00				2.45				2.40				2.00				1.90				2.15				2.00				1.70				1.95				2.00				1.50				1.50				1.50				30.0																			
	23.0																	4.00				2.25				2.00				1.85				1.70				1.85				1.50				1.70				1.80				1.30				1.30				1.30				32.0																							
	24.0																	4.00				2.05				1.70				1.65				1.50				1.35				1.15				1.35				0.95				1.10				1.20				0.90				1.10				1.15				34.0															
	25.0																	4.00				1.85				1.50				1.35				1.15				1.00				0.85				1.00				0.60				0.80				0.60				0.75				0.85				36.0																			
	26.0																	4.00				1.65				1.35				1.15				0.95				0.70				0.60				0.50				0.50				0.45				0.50				38.0																											
	27.0																	4.00				1.45				1.15				0.95				0.70				0.50				0.45				0.40				0.40				0.40				40.0																															
	28.0																	4.00				1.25				1.05				0.85				0.65				0.45				0.35				0.35				0.35				0.35				42.0																															
	29.0																	4.00				1.05				0.85				0.65				0.45				0.35				0.25				0.25				0.25				0.25				44.0																															
30.0																	4.00				0.85				0.65				0.45				0.35				0.25				0.15				0.15				0.15				0.15				46.0																																
31.0																	4.00				0.65				0.45				0.35				0.25				0.15				0.05				0.05				0.05				0.05				48.0																																
32.0																	4.00				0.45				0.35				0.25				0.15				0.05				0.05				0.05				0.05				0.05				50.0																																
33.0																	4.00				0.25				0.25				0.15				0.05				0.05				0.05				0.05				0.05				0.05				52.0																																
34.0																	4.00				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				54.0																																
35.0																	4.00				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				55.0																																
36.0																	4.00				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				56.0																																
37.0																	4.00				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				58.0																																
38.0																	4.00				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				60.0																																
39.0																	4.00				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				62.0																																
40.0																	4.00				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				64.0																																
41.0																	4.00				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				66.0																																
42.0																	4.00				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				68.0																																
43.0																	4.00				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				70.0																																
44.0																	4.00				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				72.0																																
45.0																	4.00				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				74.0																																
46.0																	4.00				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				76.0																																
47.0																	4.00				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				78.0																																
48.0																	4.00				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				80.0																																
49.0																	4.00				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				82.0																																
50.0																	4.00				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				84.0																																
51.0																	4.00				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				86.0																																
52.0																	4.00				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				88.0																																
53.0																	4.00				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				90.0																																
54.0																	4.00				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				92.0																																
55.0																	4.00				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				94.0																																
56.0																	4.00				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				0.05				96.0																																
	1	0				0				0				0				0				46				46				46				46				92				92				92				92				100				100				100				100				1																			
	2	0				0				0				0				92				92				92				92				92				92				92				92				92				92				100				100				100				100				2															
	3	0				0				0				0				92				92				92				92				92				92				92				92				92				92				92				100				100				100				100				3											
	4	0				0				0				0				92				92				92				92				92				92				92				92				92				92				92				92				100				100				100				100				4							
	5	0				0				0				0				92				92				92				92				92				92				92				92				92				92				92				92				92				100				100				100				100				5			
ID		1				1				1				1				9				9				9				9				10				10				10				10				11				11				11				11				22				22				22				22				ID							
		[DEG]				28 - 84				35 - 84				54 - 84				68 - 84				26 - 84				35 - 84				54 - 84				68 - 84				39 - 84				38 - 84				54 - 84				67 - 84				47 - 84				48 - 84				55 - 84				69 - 84				50 - 84				51 - 84				55 - 84				68 - 84				[DEG]			
						1				1				1				1				1				1				1				1				1				1				1																																											

					
FAJ	13.1 m	4.0 t	7.2 m	360°	JPN

		m				38.2				38.2				38.2				41.7				41.7				41.7				41.7				45.2				45.2				45.2				45.2				48.0				48.0				48.0				48.0				m			
		°	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°																						
		2.0	2.80																																											2.0																							
		3.0	2.80																																										3.0																								
		4.0	2.80																																										4.0																								
		5.0	2.80																																										5.0																								
		6.0	2.80																																										6.0																								
		7.0	2.80	2.60																																									7.0																								
		8.0	2.80	2.45				2.80					2.80																															8.0																									
		9.0	2.80	2.30				2.80					2.80							2.80																									9.0																								
		10.0	2.65	2.20				2.80					2.80							2.80																									10.0																								
		11.0	2.50	2.10	1.65			2.80					2.80							2.80																										11.0																							
		12.0	2.35	2.00	1.55	0.90		2.80					2.80							2.75																										12.0																							
		13.0	2.25	1.95	1.50	0.85		2.80	2.20				2.80	2.20						2.70																										13.0																							
		14.0	2.10	1.85	1.45	0.85		2.80	2.15				2.75	2.15						2.65	2.15																										14.0																						
		16.0	1.95	1.75	1.35			2.70	2.05	1.55			2.65	2.05	1.55					2.60	2.05																										16.0																						
		18.0	1.80	1.65				2.55	2.00	1.50	0.80		2.55	2.00	1.50	0.80				2.50	2.00	1.50	0.80																							18.0																							
		20.0	1.70					2.45	1.90	1.40	0.80		2.45	1.90	1.45	0.80				2.45	1.90	1.45	0.80																							0.80		20.0																					
		22.0						2.30	1.85	1.35	0.75		2.35	1.85	1.35	0.75				2.35	1.85	1.40	0.75																							22.0																							
		24.0						2.20	1.80	1.30	0.75		2.25	1.80	1.35	0.75				2.25	1.80	1.35	0.75																							24.0																							
		26.0						2.10	1.75	1.25	0.75		2.15	1.75	1.30	0.75				2.15	1.75	1.30	0.75																							26.0																							
		28.0						2.00	1.70	1.25			2.05	1.70	1.25	0.75				2.10	1.75	1.25	0.70																								28.0																						
		30.0						1.95	1.70	1.20			2.00	1.70	1.20					2.00	1.70	1.20	0.70																									30.0																					
		32.0						1.90	1.65	1.20			1.90	1.65	1.20					1.65	1.65	1.20																									32.0																						
		34.0						1.70	1.60	1.15			1.55	1.65	1.15					1.30	1.60	1.15																									34.0																						
		36.0						1.40	1.60				1.20	1.45	1.15					1.00	1.25	1.15																										36.0																					
		38.0						1.10	1.30				0.95	1.15						0.70	0.95	1.10																											38.0																				
		40.0						0.85	1.00				0.70	0.90						0.70	0.95	1.10																											40.0																				
		42.0						0.65	0.75					0.65							0.70	0.80																									42.0																						
		44.0																																														44.0																					
	46.0																																														46.0																						
	48.0																																														48.0																						
	50.0																																														50.0																						
	52.0																																														52.0																						
	54.0																																														54.0																						
	55.0																																														55.0																						
	56.0																																														56.0																						
	1	0	0	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	92	92	92	92	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	1																							
	2	0	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	2																						
	3	0	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	3																						
	4	0	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	4																						
	5	0	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	5																							
	ID	1	1	1	1	9	9	9	9	9	10	10	10	10	10	11	11	11	11	11	11	11	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	ID																								
	[DEG]	0 - 84	40 - 84	57 - 84	71 - 84	33 - 84	38 - 84	56 - 84	69 - 84	43 - 84	45 - 84	57 - 84	68 - 84	43 - 84	45 - 84	57 - 84	68 - 84	50 - 84	52 - 84	54 - 84	68 - 84	51 - 84	52 - 84	57 - 84	70 - 84	70 - 84	70 - 84	70 - 84	70 - 84	70 - 84	70 - 84	70 - 84	70 - 84	70 - 84	70 - 84	70 - 84	70 - 84	70 - 84	70 - 84	70 - 84	70 - 84	70 - 84	70 - 84	[DEG]																									
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1																									
		5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t																									



	m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m	
	°	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°	
 m	2.0																					2.0	
	3.0	1.50																				3.0	
	4.0	1.50																				4.0	
	5.0	1.50																				5.0	
	6.0	1.50																				6.0	
	7.0	1.50																				7.0	
	8.0	1.50				1.50																8.0	
	9.0	1.50	1.25			1.50				1.50				1.45									9.0
	10.0	1.45	1.15			1.50				1.50				1.45				1.35					10.0
	11.0	1.35	1.10			1.50				1.45				1.40				1.35					11.0
	12.0	1.25	1.05			1.45				1.45				1.40				1.35					12.0
	13.0	1.20	1.00			1.45				1.40				1.35				1.30					13.0
	14.0	1.15	0.95	0.85		1.40				1.40				1.35				1.30					14.0
	16.0	1.00	0.90	0.80	0.55	1.35	1.00			1.30	1.00			1.30	1.00			1.25					16.0
	18.0	0.95	0.85	0.75	0.50	1.30	0.95			1.25	0.95			1.25	0.95			1.20	0.95				18.0
	20.0	0.85	0.80	0.75	0.50	1.20	0.90	0.75		1.20	0.90	0.75		1.20	0.90			1.15	0.90				20.0
	22.0	0.80	0.75	0.70		1.15	0.90	0.75	0.50	1.15	0.90	0.75	0.50	1.15	0.90	0.75		1.15	0.90	0.75			22.0
	24.0	0.75	0.75			1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	0.45	24.0
	26.0					1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	0.45	26.0
	28.0					1.00	0.80	0.70	0.45	1.00	0.80	0.70	0.45	1.05	0.80	0.70	0.45	1.00	0.80	0.70	0.45	0.45	28.0
	30.0					0.95	0.80	0.70	0.45	0.95	0.80	0.70	0.45	1.00	0.80	0.70	0.45	1.00	0.80	0.70	0.45	0.45	30.0
	32.0					0.90	0.75	0.70		0.95	0.75	0.70	0.40	0.95	0.75	0.70	0.40	0.95	0.75	0.70	0.40	0.40	32.0
	34.0					0.85	0.75	0.70		0.90	0.75	0.70		0.90	0.75	0.70	0.40	0.90	0.75	0.70	0.40	0.40	34.0
	36.0					0.85	0.75	0.70		0.85	0.75	0.70		0.90	0.75	0.70		0.90	0.75	0.65	0.40	0.40	36.0
	38.0					0.80	0.70	0.70		0.85	0.70	0.70		0.85	0.70	0.65		0.85	0.70	0.65		0.40	38.0
	40.0					0.80	0.70	0.70		0.80	0.70	0.70		0.75	0.70	0.65		0.75	0.70	0.65		0.40	40.0
	42.0					0.75	0.70			0.75	0.70	0.70		0.55	0.70	0.65		0.50	0.70	0.65		0.40	42.0
	44.0					0.75	0.70			0.55	0.70				0.60	0.65			0.55	0.70	0.65		44.0
46.0					0.55	0.70			0.40	0.55				0.40						0.50		46.0	
48.0					0.40	0.50																48.0	
50.0																						50.0	
52.0																						52.0	
54.0																						54.0	
55.0																						55.0	
56.0																						56.0	
 %	1	0	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	100	100	100	100	1	
	2	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	2	
	3	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	3	
	4	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	4	
	5	1	1	1	1	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	5	
 [DEG]	ID	19 - 84	31 - 84	51 - 84	65 - 84	11 - 84	37 - 84	54 - 84	71 - 84	11 - 84	47 - 84	55 - 84	70 - 84	51 - 84	52 - 84	57 - 84	69 - 84	53 - 84	56 - 84	57 - 84	68 - 84	ID	
 [DEG]		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
 t		5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t		

	m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m
	°	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°
	2.0	4.00																				2.0
	3.0	4.00																				3.0
	4.0	4.00	4.00																			4.0
	5.0	4.00	4.00																			5.0
	6.0	4.00	4.00	3.00																		6.0
	7.0	4.00	4.00	2.85		4.00				4.00												7.0
	8.0	4.00	4.00	2.70	1.60	4.00				4.00				4.00				4.00				8.0
	9.0	4.00	4.00	2.55	1.55	4.00				4.00				4.00				4.00				9.0
	10.0	4.00	3.90	2.45	1.50	4.00	4.00			4.00	4.00			4.00				4.00				10.0
	11.0	4.00	3.70	2.35		4.00	4.00			4.00	4.00			4.00	4.00			4.00				11.0
	12.0	4.00	3.50	2.30		4.00	4.00	2.65	1.55	4.00	4.00	2.65		4.00	3.95			4.00	3.70			12.0
	13.0	4.00	3.35			4.00	4.00	2.60	1.50	4.00	4.00	3.90	2.60	1.50	4.00	3.80	2.60		3.95	3.55		13.0
	14.0	4.00	3.20			4.00	3.85	2.55	1.50	4.00	3.75	2.55	1.50	4.00	3.65	2.55	1.50	3.85	3.45	2.60	1.50	14.0
	16.0					4.00	3.60	2.45	1.45	3.95	3.50	2.45	1.45	3.85	3.40	2.45	1.45	3.55	3.20	2.50	1.45	16.0
	18.0					3.75	3.35	2.35	1.40	3.65	3.25	2.35	1.40	3.55	3.20	2.40	1.40	3.30	3.05	2.40	1.40	18.0
	20.0					3.50	3.15	2.25	1.40	3.40	3.05	2.30	1.40	3.30	3.00	2.30	1.40	3.05	2.85	2.30	1.40	20.0
	22.0					3.25	2.95	2.20	1.35	3.20	2.90	2.20	1.35	3.10	2.80	2.25	1.35	2.70	2.60	2.25	1.35	22.0
	24.0					2.95	2.80	2.15		2.80	2.75	2.15	1.35	2.55	2.65	2.15	1.35	2.35	2.25	2.20	1.35	24.0
	26.0					2.40	2.65	2.10		2.25	2.50	2.10		2.00	2.30	2.10		1.90	1.95	1.95	1.30	26.0
	28.0					1.95	2.15	2.05		1.80	2.00	2.05		1.50	1.80	2.00		1.45	1.70	1.75		28.0
	30.0					1.50	1.70	1.80		1.35	1.55	1.70		1.10	1.35	1.50		1.05	1.30	1.50		30.0
	32.0					1.15	1.30			1.00	1.20	1.30						0.75	0.95	1.10		32.0
	34.0					0.85	0.95			0.70	0.85					0.65	0.75					34.0
	36.0					0.55	0.65			0.40	0.55								0.60	0.70		36.0
	38.0						0.40															38.0
	40.0																					40.0
	42.0																					42.0
	44.0																					44.0
46.0																					46.0	
48.0																					48.0	
50.0																					50.0	
52.0																					52.0	
54.0																					54.0	
55.0																					55.0	
56.0																					56.0	
	1	0	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	100	100	100	100	1
	2	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	2
	3	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	3
	4	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	4
	5	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	5
ID	1	1	1	1	9	9	9	9	9	10	10	10	10	11	11	11	11	22	22	22	22	ID
	[DEG]	28 - 84	35 - 84	54 - 84	68 - 84	37 - 84	35 - 84	54 - 84	68 - 84	42 - 84	46 - 84	54 - 84	67 - 84	53 - 84	54 - 84	55 - 84	69 - 84	56 - 84	56 - 84	58 - 84	68 - 84	[DEG]
		5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	

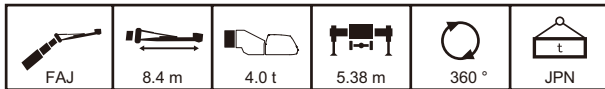
Full automatic jib

					
FAJ	13.1 m	4.0 t	6.4 m	360°	JPN

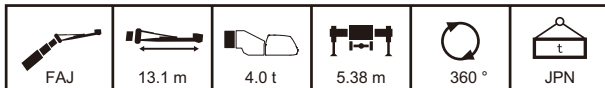
 m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m	
 °	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°	
 m	2.0	2.80																			2.0	
	3.0	2.80																			3.0	
	4.0	2.80																			4.0	
	5.0	2.80																			5.0	
	6.0	2.80																			6.0	
	7.0	2.80	2.60																		7.0	
	8.0	2.80	2.45			2.80			2.80												8.0	
	9.0	2.80	2.30			2.80			2.80				2.80								9.0	
	10.0	2.65	2.20	1.75		2.80			2.80				2.80				2.65				10.0	
	11.0	2.50	2.10	1.65		2.80			2.80				2.80				2.65				11.0	
	12.0	2.35	2.00	1.55	0.90	2.80			2.80				2.75				2.60				12.0	
	13.0	2.25	1.95	1.50	0.85	2.80	2.20		2.80	2.20			2.70				2.55				13.0	
	14.0	2.10	1.85	1.45	0.85	2.80	2.15		2.75	2.15			2.65	2.15			2.55				14.0	
	16.0	1.95	1.75	1.35		2.70	2.05	1.55		2.65	2.05	1.55		2.60	2.05		2.45	2.05			16.0	
	18.0	1.80	1.65			2.55	2.00	1.50	0.80	2.55	2.00	1.50	0.80	2.50	2.00	1.50	0.80	2.40	1.95	1.50		18.0
	20.0	1.70				2.45	1.90	1.40	0.80	2.45	1.90	1.45	0.80	2.45	1.90	1.45	0.80	2.35	1.90	1.45	0.80	20.0
	22.0					2.30	1.85	1.35	0.75	2.35	1.85	1.35	0.75	2.35	1.85	1.40	0.75	2.30	1.85	1.40	0.75	22.0
	24.0					2.20	1.80	1.30	0.75	2.25	1.80	1.35	0.75	2.25	1.80	1.35	0.75	2.25	1.80	1.35	0.75	24.0
	26.0					2.10	1.75	1.25	0.75	2.15	1.75	1.30	0.75	2.15	1.75	1.30	0.75	2.00	1.75	1.30	0.75	26.0
	28.0					2.00	1.70	1.25		2.05	1.70	1.25	0.75	1.90	1.75	1.25	0.70	1.75	1.75	1.25	0.70	28.0
	30.0					1.90	1.70	1.20		1.75	1.70	1.20		1.50	1.70	1.20	0.70	1.40	1.55	1.20	0.70	30.0
	32.0					1.55	1.65	1.20		1.35	1.65	1.20		1.15	1.50	1.20		1.05	1.35	1.20		32.0
	34.0					1.20	1.45	1.15		1.05	1.30	1.15		0.80	1.10	1.15		0.75	1.10	1.15		34.0
	36.0					0.90	1.15			0.75	1.00	1.15		0.55	0.80	1.00			0.75	0.95		36.0
	38.0					0.65	0.85			0.50	0.75				0.55	0.70				0.65		38.0
	40.0						0.60				0.50											40.0
	42.0																					42.0
	44.0																					44.0
	46.0																					46.0
	48.0																					48.0
	50.0																					50.0
	52.0																					52.0
	54.0																					54.0
	55.0																					55.0
	56.0																					56.0
 %	1	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	100	100	100	100	1	
	2	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	2	
	3	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	3	
	4	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	4	
	5	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	5	
ID	1	1	1	1	9	9	9	9	10	10	10	10	11	11	11	11	22	22	22	22	ID	
 [DEG]	0 - 84	40 - 84	57 - 84	71 - 84	41 - 84	43 - 84	56 - 84	69 - 84	46 - 84	48 - 84	57 - 84	68 - 84	53 - 84	55 - 84	57 - 84	68 - 84	58 - 84	59 - 84	60 - 84	70 - 84	[DEG]	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t		

					
FAJ	17.7 m	4.0 t	6.4 m	360°	JPN

	m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m
	°	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°
 m	2.0																					2.0
	3.0	1.50																				3.0
	4.0	1.50																				4.0
	5.0	1.50																				5.0
	6.0	1.50																				6.0
	7.0	1.50																				7.0
	8.0	1.50				1.50																8.0
	9.0	1.50	1.25			1.50				1.50				1.45								9.0
	10.0	1.45	1.15			1.50				1.50				1.45				1.35				10.0
	11.0	1.35	1.10			1.50				1.45				1.40				1.35				11.0
	12.0	1.25	1.05			1.45				1.45				1.40				1.35				12.0
	13.0	1.20	1.00			1.45				1.40				1.35				1.30				13.0
	14.0	1.15	0.95	0.85		1.40				1.40				1.35				1.30				14.0
	16.0	1.00	0.90	0.80	0.55	1.35	1.00			1.30	1.00			1.30	1.00			1.25				16.0
	18.0	0.95	0.85	0.75	0.50	1.30	0.95			1.25	0.95			1.25	0.95			1.20	0.95			18.0
	20.0	0.85	0.80	0.75	0.50	1.20	0.90	0.75		1.20	0.90	0.75		1.20	0.90			1.15	0.90			20.0
	22.0	0.80	0.75	0.70		1.15	0.90	0.75	0.50	1.15	0.90	0.75	0.50	1.15	0.90	0.75		1.15	0.90	0.75		22.0
	24.0	0.75	0.75			1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	24.0
	26.0					1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	26.0
	28.0					1.00	0.80	0.70	0.45	1.00	0.80	0.70	0.45	1.05	0.80	0.70	0.45	1.00	0.80	0.70	0.45	28.0
	30.0					0.95	0.80	0.70	0.45	0.95	0.80	0.70	0.45	1.00	0.80	0.70	0.45	1.00	0.80	0.70	0.45	30.0
	32.0					0.90	0.75	0.70		0.95	0.75	0.70	0.40	0.95	0.75	0.70	0.40	0.95	0.75	0.70	0.40	32.0
	34.0					0.85	0.75	0.70		0.90	0.75	0.70		0.90	0.75	0.70	0.40	0.90	0.75	0.70	0.40	34.0
	36.0					0.85	0.75	0.70		0.85	0.75	0.70		0.85	0.75	0.70		0.75	0.75	0.65	0.40	36.0
	38.0					0.80	0.70	0.70		0.80	0.70	0.70		0.60	0.70	0.65			0.70	0.65		38.0
	40.0					0.75	0.70	0.70		0.60	0.70	0.70			0.70	0.65			0.65	0.65		40.0
	42.0					0.55	0.70			0.40	0.65	0.70			0.45	0.60				0.60		42.0
	44.0						0.55				0.40											44.0
	46.0																					46.0
	48.0																					48.0
50.0																					50.0	
52.0																					52.0	
54.0																					54.0	
55.0																					55.0	
56.0																					56.0	
	1	0	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	100	100	100	100	1
	2	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	2
	3	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	3
	4	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	4
	ID	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	5
		1	1	1	1	9	9	9	9	10	10	10	10	11	11	11	11	22	22	22	22	ID
 [DEG]	[DEG]	19 - 84	31 - 84	51 - 84	65 - 84	42 - 84	45 - 84	54 - 84	71 - 84	47 - 84	50 - 84	55 - 84	70 - 84	56 - 84	57 - 84	59 - 84	69 - 84	59 - 84	61 - 84	62 - 84	68 - 84	[DEG]
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	



m		10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m
°		5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°
	2.0	4.00																				2.0
	3.0	4.00																				3.0
	4.0	4.00	4.00																			4.0
	5.0	4.00	4.00																			5.0
	6.0	4.00	4.00	3.00																		6.0
	7.0	4.00	4.00	2.85		4.00				4.00												7.0
	8.0	4.00	4.00	2.70	1.60	4.00				4.00				4.00				4.00				8.0
	9.0	4.00	4.00	2.55	1.55	4.00				4.00				4.00				4.00				9.0
	10.0	4.00	3.90	2.45	1.50	4.00	4.00			4.00	4.00			4.00				4.00				10.0
	11.0	4.00	3.70	2.35		4.00	4.00			4.00	4.00			4.00	4.00			4.00				11.0
	12.0	4.00	3.50	2.30		4.00	4.00	2.65	1.55	4.00	4.00	2.65		4.00	3.95			4.00	3.70			12.0
	13.0	4.00	3.35			4.00	4.00	2.60	1.50	4.00	3.90	2.60	1.50	4.00	3.80	2.60		3.95	3.55			13.0
	14.0	4.00	3.20			4.00	3.85	2.55	1.50	4.00	3.75	2.55	1.50	4.00	3.65	2.55	1.50	3.85	3.45	2.60	1.50	14.0
	16.0					4.00	3.60	2.45	1.45	3.95	3.50	2.45	1.45	3.85	3.40	2.45	1.45	3.55	3.20	2.50	1.45	16.0
	18.0					3.75	3.35	2.35	1.40	3.65	3.25	2.35	1.40	3.50	3.20	2.40	1.40	3.30	3.05	2.40	1.40	18.0
	20.0					3.30	3.15	2.25	1.40	3.10	3.05	2.30	1.40	2.75	3.00	2.30	1.40	2.65	2.85	2.30	1.40	20.0
	22.0					2.60	2.90	2.20	1.35	2.40	2.80	2.20	1.35	2.10	2.45	2.25	1.35	2.00	2.40	2.25	1.35	22.0
	24.0					2.05	2.30	2.15		1.85	2.20	2.15	1.35	1.55	1.90	2.15	1.35	1.45	1.80	2.10	1.35	24.0
	26.0					1.60	1.80	1.95		1.40	1.65	1.85		1.10	1.40	1.60		1.00	1.35	1.55	1.30	26.0
	28.0					1.15	1.40	1.50		1.00	1.25	1.40		0.70	0.95	1.15						28.0
	30.0					0.80	1.00	1.10		0.65	0.85	1.00				0.75						30.0
	32.0					0.50	0.65				0.55	0.65										32.0
	34.0																					34.0
	36.0																					36.0
	38.0																					38.0
	40.0																					40.0
	42.0																					42.0
	44.0																					44.0
	46.0																					46.0
	48.0																					48.0
	50.0																					50.0
	52.0																					52.0
	54.0																					54.0
	55.0																					55.0
	56.0																					56.0
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	3	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	3
	4	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	4
	5	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	5
	ID	1	1	1	1	9	9	9	9	10	10	10	10	11	11	11	11	22	22	22	22	ID
[DEG]		28 - 84	35 - 84	54 - 84	68 - 84	45 - 84	48 - 84	54 - 84	68 - 84	52 - 84	53 - 84	54 - 84	67 - 84	58 - 84	62 - 84	61 - 84	69 - 84	63 - 84	64 - 84	65 - 84	68 - 84	[DEG]
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	



		m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m
		°	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°
	2.0	2.80																					2.0
	3.0	2.80																					3.0
	4.0	2.80																					4.0
	5.0	2.80																					5.0
	6.0	2.80																					6.0
	7.0	2.80	2.60																				7.0
	8.0	2.80	2.45				2.80				2.80				2.80								8.0
	9.0	2.80	2.30				2.80				2.80				2.80								9.0
	10.0	2.65	2.20	1.75			2.80				2.80				2.80				2.65				10.0
	11.0	2.50	2.10	1.65			2.80				2.80				2.80				2.65				11.0
	12.0	2.35	2.00	1.55	0.90		2.80				2.80				2.75				2.60				12.0
	13.0	2.25	1.95	1.50	0.85		2.80	2.20			2.80	2.20			2.70				2.55				13.0
	14.0	2.10	1.85	1.45	0.85		2.80	2.15			2.75	2.15			2.65	2.15			2.55				14.0
	16.0	1.95	1.75	1.35			2.70	2.05	1.55		2.65	2.05	1.55		2.60	2.05			2.45	2.05			16.0
	18.0	1.80	1.65				2.55	2.00	1.50	0.80	2.55	2.00	1.50	0.80	2.50	2.00	1.50	0.80	2.40	1.95	1.50		18.0
	20.0	1.70					2.45	1.90	1.40	0.80	2.45	1.90	1.45	0.80	2.45	1.90	1.45	0.80	2.35	1.90	1.45	0.80	20.0
	22.0						2.30	1.85	1.35	0.75	2.35	1.85	1.35	0.75	2.35	1.85	1.40	0.75	2.30	1.85	1.40	0.75	22.0
	24.0						2.20	1.80	1.30	0.75	2.25	1.80	1.35	0.75	1.90	1.80	1.35	0.75	1.80	1.80	1.35	0.75	24.0
	26.0						1.95	1.75	1.25	0.75	1.75	1.75	1.30	0.75	1.45	1.75	1.30	0.75	1.35	1.75	1.30	0.75	26.0
	28.0						1.55	1.70	1.25		1.35	1.70	1.25	0.75	1.05	1.50	1.25	0.70	0.95	1.40	1.25	0.70	28.0
	30.0						1.20	1.50	1.20		1.00	1.35	1.20		0.70	1.10	1.20	0.70		1.05	1.20	0.70	30.0
	32.0						0.85	1.15	1.20		0.70	1.00	1.20			0.75	1.00			0.70	0.95		32.0
	34.0						0.60	0.85	1.00			0.70	0.90				0.65						34.0
	36.0							0.55					0.60										36.0
	38.0																						38.0
	40.0																						40.0
	42.0																						42.0
	44.0																						44.0
	46.0																						46.0
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	54.0																						54.0
	55.0																						55.0
	56.0																						56.0
	1	0	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	100	100	100	100	1	
	2	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	2	
	3	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	3	
	4	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	4	
	5	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	5	
	ID	1	1	1	1	9	9	9	9	10	10	10	10	11	11	11	11	22	22	22	22	ID	
	[DEG]	0 - 84	40 - 84	57 - 84	71 - 84	48 - 84	50 - 84	56 - 84	69 - 84	54 - 84	57 - 84	57 - 84	68 - 84	60 - 84	62 - 84	62 - 84	68 - 84	64 - 84	64 - 84	66 - 84	70 - 84	[DEG]	
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t		

Full automatic jib

					
FAJ	17.7 m	4.0 t	5.38 m	360°	JPN

	m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m	
	°	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°	
 m	2.0																					2.0	
	3.0	1.50																				3.0	
	4.0	1.50																				4.0	
	5.0	1.50																				5.0	
	6.0	1.50																				6.0	
	7.0	1.50																				7.0	
	8.0	1.50				1.50																8.0	
	9.0	1.50	1.25			1.50				1.50				1.45									9.0
	10.0	1.45	1.15			1.50				1.50				1.45				1.35					10.0
	11.0	1.35	1.10			1.50				1.45				1.40				1.35					11.0
	12.0	1.25	1.05			1.45				1.45				1.40				1.35					12.0
	13.0	1.20	1.00			1.45				1.40				1.35				1.30					13.0
	14.0	1.15	0.95	0.85		1.40				1.40				1.35				1.30					14.0
	16.0	1.00	0.90	0.80	0.55	1.35	1.00			1.30	1.00			1.30	1.00			1.25					16.0
	18.0	0.95	0.85	0.75	0.50	1.30	0.95			1.25	0.95			1.25	0.95			1.20	0.95				18.0
	20.0	0.85	0.80	0.75	0.50	1.20	0.90	0.75		1.20	0.90	0.75		1.20	0.90			1.15	0.90				20.0
	22.0	0.80	0.75	0.70		1.15	0.90	0.75	0.50	1.15	0.90	0.75	0.50	1.15	0.90	0.75		1.15	0.90	0.75			22.0
	24.0	0.75	0.75			1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45		24.0
	26.0					1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45		26.0
	28.0					1.00	0.80	0.70	0.45	1.00	0.80	0.70	0.45	1.05	0.80	0.70	0.45	1.00	0.80	0.70	0.45		28.0
	30.0					0.95	0.80	0.70	0.45	0.95	0.80	0.70	0.45	1.00	0.80	0.70	0.45	0.95	0.80	0.70	0.45		30.0
	32.0					0.90	0.75	0.70		0.95	0.75	0.70	0.40	0.70	0.75	0.70	0.40		0.75	0.70	0.40		32.0
	34.0					0.85	0.75	0.70		0.75	0.75	0.70			0.75	0.70	0.40		0.75	0.70	0.40		34.0
	36.0					0.65	0.75	0.70		0.50	0.75	0.70				0.60	0.70				0.65	0.40	36.0
	38.0					0.45	0.70	0.70			0.60	0.70					0.60						38.0
	40.0						0.50	0.60															40.0
	42.0																						42.0
	44.0																						44.0
	46.0																						46.0
	48.0																						48.0
	50.0																						50.0
	52.0																						52.0
54.0																						54.0	
55.0																						55.0	
56.0																						56.0	
 %	1	0	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	100	100	100	100	1	
	2	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	2	
	3	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	3	
	4	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	4	
	5	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	5	
ID	1	1	1	1	9	9	9	9	10	10	10	10	10	11	11	11	11	22	22	22	22	ID	
 [DEG]	[DEG]	19 - 84	31 - 84	51 - 84	65 - 84	49 - 84	52 - 84	54 - 84	71 - 84	55 - 84	58 - 84	58 - 84	70 - 84	62 - 84	63 - 84	64 - 84	69 - 84	65 - 84	67 - 84	68 - 84	68 - 84	[DEG]	
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t		

					
FAJ	8.4 m	4.0 t	4.18 m	360°	JPN

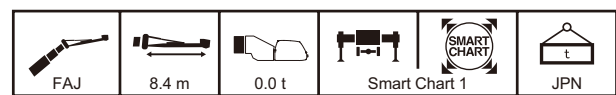
	m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m	
	°	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°	
 m	2.0	4.00																				2.0	
	3.0	4.00																				3.0	
	4.0	4.00	4.00																			4.0	
	5.0	4.00	4.00																			5.0	
	6.0	4.00	4.00																			6.0	
	7.0	4.00	4.00	2.85		4.00				4.00												7.0	
	8.0	4.00	4.00	2.70	1.60	4.00				4.00				4.00				4.00				8.0	
	9.0	4.00	4.00	2.55	1.55	4.00				4.00				4.00				4.00				9.0	
	10.0	4.00	3.90	2.45	1.50	4.00	4.00			4.00	4.00			4.00				4.00				10.0	
	11.0	4.00	3.70	2.35		4.00	4.00			4.00	4.00			4.00	4.00			4.00				11.0	
	12.0	4.00	3.50	2.30		4.00	4.00	2.65	1.55	4.00	4.00	2.65		4.00	3.95			4.00	3.70			12.0	
	13.0	4.00	3.35			4.00	4.00	2.60	1.50	4.00	3.90	2.60	1.50	4.00	3.80	2.60		3.95	3.55			13.0	
	14.0	4.00	3.20			4.00	3.85	2.55	1.50	4.00	3.75	2.55	1.50	3.75	3.65	2.55	1.50	3.60	3.45	2.60	1.50	14.0	
	16.0					3.40	3.60	2.45	1.45	3.10	3.50	2.45	1.45	2.75	3.35	2.45	1.45	2.65	3.20	2.50	1.45	16.0	
	18.0					2.60	3.00	2.35	1.40	2.35	2.80	2.35	1.40	2.00	2.50	2.40	1.40	1.90	2.40	2.40	1.40	18.0	
	20.0					1.95	2.30	2.25	1.40	1.70	2.10	2.30	1.40	1.35	1.80	2.15	1.40	1.30	1.70	2.05	1.40	20.0	
	22.0					1.40	1.70	1.95	1.35	1.15	1.50	1.80	1.35		1.25	1.50	1.35		1.15	1.45	1.35	22.0	
	24.0					0.95	1.25	1.45		0.75	1.05	1.25	1.35			1.00	1.10			0.95	1.05	24.0	
	26.0					0.55	0.80	1.00				0.80											26.0
	28.0							0.60															28.0
	30.0																						30.0
	32.0																						32.0
	34.0																						34.0
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55.0																						55.0	
56.0																						56.0	
 %	1	0	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	100	100	100	100	1	
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	3	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	3	
	4	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	4	
	5	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	5	
ID	1	1	1	1	9	9	9	9	9	10	10	10	10	11	11	11	11	22	22	22	22	ID	
 [DEG]	[DEG]	28 - 84	35 - 84	54 - 84	68 - 84	55 - 84	58 - 84	57 - 84	68 - 84	61 - 84	64 - 84	63 - 84	67 - 84	68 - 84	69 - 84	68 - 84	69 - 84	69 - 84	70 - 84	70 - 84	71 - 84	[DEG]	
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t		



	m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m
	°	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°
 m	2.0	2.80																				2.0
	3.0	2.80																				3.0
	4.0	2.80																				4.0
	5.0	2.80																				5.0
	6.0	2.80																				6.0
	7.0	2.80	2.60																			7.0
	8.0	2.80	2.45			2.80				2.80												8.0
	9.0	2.80	2.30			2.80				2.80				2.80								9.0
	10.0	2.65	2.20	1.75		2.80				2.80				2.80				2.65				10.0
	11.0	2.50	2.10	1.65		2.80				2.80				2.80				2.65				11.0
	12.0	2.35	2.00	1.55	0.90	2.80				2.80				2.75				2.60				12.0
	13.0	2.25	1.95	1.50	0.85	2.80	2.20			2.80	2.20			2.70				2.55				13.0
	14.0	2.10	1.85	1.45	0.85	2.80	2.15			2.75	2.15			2.65	2.15			2.55				14.0
	16.0	1.95	1.75	1.35		2.70	2.05	1.55		2.65	2.05	1.55		2.60	2.05			2.45	2.05			16.0
	18.0	1.80	1.65			2.55	2.00	1.50	0.80	2.55	2.00	1.50	0.80	2.35	2.00	1.50	0.80	2.25	1.95	1.50		18.0
	20.0	1.70				2.30	1.90	1.40	0.80	2.05	1.90	1.45	0.80	1.75	1.90	1.45	0.80	1.65	1.90	1.45	0.80	20.0
	22.0					1.75	1.85	1.35	0.75	1.55	1.85	1.35	0.75	1.20	1.80	1.40	0.75	1.15	1.75	1.40	0.75	22.0
	24.0					1.30	1.75	1.30	0.75	1.10	1.60	1.35	0.75		1.30	1.35	0.75		1.25	1.35	0.75	24.0
	26.0					0.95	1.35	1.25	0.75	0.70	1.15	1.30	0.75		0.90	1.25	0.75			1.20	0.75	26.0
	28.0					0.60	0.95	1.20			0.80	1.05	0.75			0.85	0.70				0.70	28.0
	30.0						0.65	0.85				0.70										30.0
	32.0							0.55														32.0
	34.0																					34.0
	36.0																					36.0
	38.0																					38.0
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55.0																					55.0	
56.0																					56.0	
 %	1	0	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	100	100	100	100	1
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	3	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	3
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	5	1	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	5
 [DEG]	ID	1	1	1	1	9	9	9	9	10	10	10	10	11	11	11	11	22	22	22	22	ID
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 t		1	1	1	1	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	

	m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m	
	°	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°	
 m	2.0																					2.0	
	3.0	1.50																				3.0	
	4.0	1.50																				4.0	
	5.0	1.50																				5.0	
	6.0	1.50																				6.0	
	7.0	1.50																				7.0	
	8.0	1.50				1.50																8.0	
	9.0	1.50	1.25			1.50				1.50					1.45								9.0
	10.0	1.45	1.15			1.50				1.50					1.45				1.35				10.0
	11.0	1.35	1.10			1.50				1.45					1.40				1.35				11.0
	12.0	1.25	1.05			1.45				1.45					1.40				1.35				12.0
	13.0	1.20	1.00			1.45				1.40					1.35				1.30				13.0
	14.0	1.15	0.95	0.85		1.40				1.40					1.35				1.30				14.0
	16.0	1.00	0.90	0.80	0.55	1.35	1.00			1.30	1.00				1.30	1.00			1.25				16.0
	18.0	0.95	0.85	0.75	0.50	1.30	0.95			1.25	0.95				1.25	0.95			1.20	0.95			18.0
	20.0	0.85	0.80	0.75	0.50	1.20	0.90	0.75		1.20	0.90	0.75			1.20	0.90			1.15	0.90			20.0
	22.0	0.80	0.75	0.70		1.15	0.90	0.75	0.50	1.15	0.90	0.75	0.50		1.15	0.90	0.75		1.15	0.90	0.75		22.0
	24.0	0.75	0.75			1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45		1.10	0.85	0.70	0.45	1.00	0.85	0.70	0.45	24.0
	26.0					1.05	0.85	0.70	0.45	1.00	0.85	0.70	0.45			0.85	0.70	0.45		0.85	0.70	0.45	26.0
	28.0					0.90	0.80	0.70	0.45	0.70	0.80	0.70	0.45			0.80	0.70	0.45		0.80	0.70	0.45	28.0
	30.0					0.65	0.80	0.70	0.45		0.80	0.70	0.45				0.70	0.45			0.70	0.45	30.0
	32.0						0.75	0.70			0.60	0.70	0.40				0.70	0.40				0.40	32.0
	34.0						0.50	0.70				0.60											34.0
	36.0							0.50															36.0
	38.0								0.50														38.0
	40.0																						40.0
	42.0																						42.0
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56.0																						56.0	
 %	1	0	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	100	100	100	100	1	
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	5	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	5	
[ID]	1	1	1	1	9	9	9	9	10	10	10	10	11	11	11	11	11	22	22	22	22	[ID]	
 [DEG]	[DEG]	19 - 84	31 - 84	51 - 84	65 - 84	59 - 84	60 - 84	61 - 84	71 - 84	64 - 84	65 - 84	66 - 84	70 - 84	69 - 84	71 - 84	70 - 84	71 - 84	70 - 84	72 - 84	74 - 84	72 - 84	[DEG]	
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t		

Full automatic jib



m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m
°	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°
2.0	4.00																				2.0
3.0	4.00																				3.0
4.0	4.00	4.00																			4.0
5.0	4.00	4.00																			5.0
6.0	4.00	4.00	3.00																		6.0
7.0	4.00	4.00	2.85		4.00				4.00												7.0
8.0	4.00	4.00	2.70	1.60	4.00				4.00				4.00				4.00				8.0
9.0	4.00	4.00	2.55	1.55	4.00				4.00				4.00				4.00				9.0
10.0	4.00	3.90	2.45	1.50	4.00	4.00			4.00	4.00			4.00				4.00				10.0
11.0	4.00	3.70	2.35		4.00	4.00			4.00	4.00			4.00	4.00			4.00				11.0
12.0	4.00	3.50	2.30		4.00	4.00	2.65	1.55	4.00	4.00	2.85		4.00	3.95			4.00	3.70			12.0
13.0	4.00	3.35			4.00	4.00	2.60	1.50	4.00	3.90	2.60	1.50	4.00	3.80	2.60		3.95	3.55			13.0
14.0	4.00	3.20			4.00	3.85	2.55	1.50	4.00	3.75	2.55	1.50	4.00	3.65	2.55	1.50	3.85	3.45	2.60	1.50	14.0
16.0					4.00	3.60	2.45	1.45	3.95	3.50	2.45	1.45	3.85	3.40	2.45	1.45	3.55	3.20	2.50	1.45	16.0
18.0					3.75	3.35	2.35	1.40	3.65	3.25	2.35	1.40	3.55	3.20	2.40	1.40	3.30	3.05	2.40	1.40	18.0
20.0					3.50	3.15	2.25	1.40	3.40	3.05	2.30	1.40	3.30	3.00	2.30	1.40	3.05	2.85	2.30	1.40	20.0
22.0					3.25	2.95	2.20	1.35	3.20	2.90	2.20	1.35	3.10	2.80	2.25	1.35	2.70	2.60	2.25	1.35	22.0
24.0					3.05	2.80	2.15		2.95	2.75	2.15	1.35	2.90	2.65	2.15	1.35	2.35	2.25	2.20	1.35	24.0
26.0					2.85	2.65	2.10		2.80	2.60	2.10		2.70	2.55	2.10		2.00	1.95	1.95	1.30	26.0
28.0					2.60	2.55	2.05		2.60	2.45	2.05		2.55	2.40	2.05		1.75	1.70	1.75		28.0
30.0					2.35	2.40	2.00		2.50	2.35	2.00		2.40	2.30	2.00		1.50	1.50	1.50		30.0
32.0					2.05	2.10			2.20	2.25	2.00		1.95	2.20	2.00		1.30	1.30	1.30		32.0
34.0					1.85	1.90			1.80	1.95			1.50	1.70	1.85		1.10	1.10	1.15		34.0
36.0					1.60	1.65			1.40	1.55			1.15	1.30			0.95	0.95	0.95		36.0
38.0					1.25	1.35			1.10	1.20			0.80	0.95			0.75	0.80			38.0
40.0					0.95				0.80	0.90			0.50	0.65			0.50	0.65			40.0
42.0					0.70				0.50	0.60											42.0
44.0																					44.0
46.0																					46.0
48.0																					48.0
50.0																					50.0
52.0																					52.0
54.0																					54.0
55.0																					55.0
56.0																					56.0
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2	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	2
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ID	1	1	1	1	9	9	9	9	10	10	10	10	11	11	11	11	22	22	22	22	ID
[DEG]	28 - 84	35 - 84	54 - 84	68 - 84	18 - 84	35 - 84	54 - 84	68 - 84	30 - 84	33 - 84	54 - 84	67 - 84	41 - 84	45 - 84	55 - 84	69 - 84	45 - 84	48 - 84	55 - 84	68 - 84	[DEG]
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	



 m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m	
 °	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°	
 m	2.0	2.80																			2.0	
	3.0	2.80																			3.0	
	4.0	2.80																			4.0	
	5.0	2.80																			5.0	
	6.0	2.80																			6.0	
	7.0	2.80	2.60																		7.0	
	8.0	2.80	2.45		2.80				2.80												8.0	
	9.0	2.80	2.30		2.80				2.80					2.80							9.0	
	10.0	2.65	2.20	1.75	2.80				2.80					2.80				2.65				10.0
	11.0	2.50	2.10	1.65	2.80				2.80					2.80				2.65				11.0
	12.0	2.35	2.00	1.55	0.90	2.80			2.80					2.75				2.60				12.0
	13.0	2.25	1.95	1.50	0.85	2.80	2.20		2.80	2.20				2.70				2.55				13.0
	14.0	2.10	1.85	1.45	0.85	2.80	2.15		2.80	2.15				2.65	2.15			2.55				14.0
	16.0	1.95	1.75	1.35		2.70	2.05	1.55		2.65	2.05	1.55		2.60	2.05			2.45	2.05			16.0
	18.0	1.80	1.65			2.55	2.00	1.50	0.80	2.55	2.00	1.50	0.80	2.50	2.00	1.50	0.80	2.40	1.95	1.50		18.0
	20.0	1.70				2.45	1.90	1.40	0.80	2.45	1.90	1.45	0.80	2.45	1.90	1.45	0.80	2.35	1.90	1.45	0.80	20.0
	22.0					2.30	1.85	1.35	0.75	2.35	1.85	1.35	0.75	2.35	1.85	1.40	0.75	2.30	1.85	1.40	0.75	22.0
	24.0					2.20	1.80	1.30	0.75	2.25	1.80	1.35	0.75	2.25	1.80	1.35	0.75	2.25	1.80	1.35	0.75	24.0
	26.0					2.10	1.75	1.25	0.75	2.15	1.75	1.30	0.75	2.15	1.75	1.30	0.75	2.00	1.75	1.30	0.75	26.0
	28.0					2.00	1.70	1.25		2.05	1.70	1.25	0.75	2.10	1.75	1.25	0.75	1.75	1.75	1.25	0.70	28.0
	30.0					1.95	1.70	1.20		2.00	1.70	1.20		2.00	1.70	1.20	0.70	1.55	1.55	1.20	0.70	30.0
	32.0					1.90	1.65	1.20		1.90	1.65	1.20		1.95	1.65	1.20		1.35	1.35	1.20		32.0
	34.0					1.80	1.60	1.15		1.85	1.65	1.15		1.90	1.65	1.15		1.15	1.20	1.15		34.0
	36.0					1.75	1.60			1.80	1.60	1.15		1.55	1.60	1.15		1.00	1.00	1.05		36.0
	38.0					1.60	1.60			1.50	1.60			1.20	1.50	1.10		0.85	0.90	0.90		38.0
	40.0					1.35	1.45			1.20	1.40			0.90	1.15	1.10		0.70	0.75	0.80		40.0
	42.0					1.10	1.20			0.90	1.10			0.65	0.85			0.60	0.65			42.0
	44.0					0.85				0.65	0.80				0.60				0.55			44.0
	46.0					0.65					0.55											46.0
	48.0																					48.0
	50.0																					50.0
	52.0																					52.0
54.0																					54.0	
55.0																					55.0	
56.0																					56.0	
 %	1	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	100	100	100	100	1	
	2	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	2	
	3	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	3	
	4	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	4	
	ID	5	0	0	0	0	92	92	92	92	92	92	92	92	92	92	100	100	100	100	5	
		1	1	1	1	9	9	9	9	10	10	10	10	11	11	11	11	22	22	22	22	ID
 [DEG]	0 - 84	40 - 84	57 - 84	71 - 84	22 - 84	38 - 84	56 - 84	69 - 84	36 - 84	37 - 84	57 - 84	68 - 84	45 - 84	46 - 84	54 - 84	68 - 84	48 - 84	49 - 84	57 - 84	70 - 84	[DEG]	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t		



	m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m	
	°	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°	
 m	2.0																					2.0	
	3.0	1.50																				3.0	
	4.0	1.50																				4.0	
	5.0	1.50																				5.0	
	6.0	1.50																				6.0	
	7.0	1.50																				7.0	
	8.0	1.50				1.50																8.0	
	9.0	1.50	1.25			1.50				1.50				1.45									9.0
	10.0	1.45	1.15			1.50				1.50				1.45				1.35					10.0
	11.0	1.35	1.10			1.50				1.45				1.40				1.35					11.0
	12.0	1.25	1.05			1.45				1.45				1.40				1.35					12.0
	13.0	1.20	1.00			1.45				1.40				1.35				1.30					13.0
	14.0	1.15	0.95	0.85		1.40				1.40				1.35				1.30					14.0
	16.0	1.00	0.90	0.80	0.55	1.35	1.00			1.30	1.00			1.30	1.00			1.25					16.0
	18.0	0.95	0.85	0.75	0.50	1.30	0.95			1.25	0.95			1.25	0.95			1.20	0.95				18.0
	20.0	0.85	0.80	0.75	0.50	1.20	0.90	0.75		1.20	0.90	0.75		1.20	0.90			1.15	0.90				20.0
	22.0	0.80	0.75	0.70		1.15	0.90	0.75	0.50	1.15	0.90	0.75	0.50	1.15	0.90	0.75		1.15	0.90	0.75			22.0
	24.0	0.75	0.75			1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	0.45	24.0
	26.0					1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	0.45	26.0
	28.0					1.00	0.80	0.70	0.45	1.00	0.80	0.70	0.45	1.05	0.80	0.70	0.45	1.00	0.80	0.70	0.45	0.45	28.0
	30.0					0.95	0.80	0.70	0.45	0.95	0.80	0.70	0.45	1.00	0.80	0.70	0.45	1.00	0.80	0.70	0.45	0.45	30.0
	32.0					0.90	0.75	0.70		0.95	0.75	0.70	0.40	0.95	0.75	0.70	0.40	0.95	0.75	0.70	0.40	0.40	32.0
	34.0					0.85	0.75	0.70		0.90	0.75	0.70		0.90	0.75	0.70	0.40	0.90	0.75	0.70	0.40	0.40	34.0
	36.0					0.85	0.75	0.70		0.85	0.75	0.70		0.90	0.75	0.70		0.90	0.75	0.65	0.40	0.40	36.0
	38.0					0.80	0.70	0.70		0.85	0.70	0.70		0.85	0.70	0.65		0.85	0.70	0.65		0.40	38.0
	40.0					0.80	0.70	0.70		0.80	0.70	0.70		0.80	0.70	0.65		0.75	0.70	0.65		0.40	40.0
	42.0					0.75	0.70			0.80	0.70	0.70	0.70	0.80	0.70	0.65		0.65	0.70	0.65			42.0
	44.0					0.75	0.70			0.75	0.70			0.75	0.70	0.65		0.55	0.60	0.65			44.0
46.0					0.75	0.70			0.75	0.70			0.50	0.70	0.65		0.45	0.50	0.55			46.0	
48.0					0.70	0.70			0.55	0.70								0.40		0.55			48.0
50.0					0.55				0.40	0.50						0.55							50.0
52.0					0.40																		52.0
54.0																							54.0
55.0																							55.0
56.0																							56.0
 %	1	0	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	100	100	100	100	1	
	2	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	2	
	3	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	3	
	4	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	4	
	5	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	5	
ID	1	1	1	1	9	9	9	9	10	10	10	10	11	11	11	11	11	22	22	22	22	ID	
 [DEG]		19 - 84	31 - 84	51 - 84	65 - 84	17 - 84	37 - 84	54 - 84	71 - 84	34 - 84	40 - 84	55 - 84	70 - 84	46 - 84	49 - 84	57 - 84	69 - 84	49 - 84	52 - 84	57 - 84	68 - 84	[DEG]	
 t		5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t		

	m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m	
	°	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°	
	2.0	4.00																				2.0	
	3.0	4.00																				3.0	
	4.0	4.00	4.00																			4.0	
	5.0	4.00	4.00																			5.0	
	6.0	4.00	4.00	3.00																		6.0	
	7.0	4.00	4.00	2.85		4.00				4.00												7.0	
	8.0	4.00	4.00	2.70	1.60	4.00				4.00								4.00				8.0	
	9.0	4.00	4.00	2.55	1.55	4.00				4.00					4.00			4.00				9.0	
	10.0	4.00	3.90	2.45	1.50	4.00	4.00			4.00	4.00				4.00			4.00				10.0	
	11.0	4.00	3.70	2.35		4.00	4.00			4.00	4.00				4.00	4.00		4.00				11.0	
	12.0	4.00	3.50	2.30		4.00	4.00	2.65	1.55	4.00	4.00	2.65			4.00	3.95		4.00	3.70			12.0	
	13.0	4.00	3.35			4.00	4.00	2.60	1.50	4.00	4.00	3.90	2.60		4.00	3.80	2.60		3.95	3.55		13.0	
	14.0	4.00	3.20			4.00	3.85	2.55	1.50	4.00	3.75	2.55	1.50		4.00	3.65	2.55	1.50	3.85	3.45	2.60	1.50	14.0
	16.0					4.00	3.60	2.45	1.45	3.95	3.50	2.45	1.45		3.85	3.40	2.45	1.45	3.55	3.20	2.50	1.45	16.0
	18.0					3.75	3.35	2.35	1.40	3.65	3.25	2.35	1.40		3.55	3.20	2.40	1.40	3.30	3.05	2.40	1.40	18.0
	20.0					3.50	3.15	2.25	1.40	3.40	3.05	2.30	1.40		3.30	3.00	2.30	1.40	3.05	2.85	2.30	1.40	20.0
	22.0					3.25	2.95	2.20	1.35	3.20	2.90	2.20	1.35		3.10	2.80	2.25	1.35	2.70	2.60	2.25	1.35	22.0
	24.0					3.05	2.80	2.15		2.95	2.75	2.15	1.35		2.90	2.65	2.15	1.35	2.35	2.25	2.20	1.35	24.0
	26.0					2.85	2.65	2.10		2.80	2.60	2.10			2.70	2.55	2.10		2.00	1.95	1.95	1.30	26.0
	28.0					2.60	2.55	2.05		2.45	2.45	2.05			2.20	2.40	2.05		1.75	1.70	1.75		28.0
	30.0					2.15	2.30	2.00		2.00	2.20	2.00			1.75	2.00	2.00		1.50	1.50	1.50		30.0
	32.0					1.70	1.90			1.55	1.75	1.85			1.30	1.55	1.65		1.25	1.30	1.30		32.0
	34.0					1.35	1.50			1.20	1.35				0.95	1.15	1.25		0.90	1.10	1.15		34.0
	36.0					1.05	1.15			0.85	1.00				0.65	0.80			0.60	0.80	0.90		36.0
	38.0					0.75	0.85			0.60	0.70					0.50				0.45			38.0
	40.0					0.50						0.45											40.0
	42.0																						42.0
	44.0																						44.0
46.0																						46.0	
48.0																						48.0	
50.0																						50.0	
52.0																						52.0	
54.0																						54.0	
55.0																						55.0	
56.0																						56.0	
	1	0	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	100	100	100	100	1	
	2	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	2	
	3	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	3	
	4	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	4	
	5	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	5	
	ID	1	1	1	1	9	9	9	9	10	10	10	10	11	11	11	11	22	22	22	22	ID	
	[DEG]	28 - 84	35 - 84	54 - 84	68 - 84	26 - 84	35 - 84	54 - 84	68 - 84	39 - 84	38 - 84	54 - 84	67 - 84	47 - 84	48 - 84	55 - 84	69 - 84	50 - 84	51 - 84	55 - 84	68 - 84	[DEG]	
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t		

Full automatic jib

					
FAJ	13.1 m	0.0 t	Smart Chart 2		JPN

	m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m	
	°	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°	
	2.0	2.80																				2.0	
	3.0	2.80																				3.0	
	4.0	2.80																				4.0	
	5.0	2.80																				5.0	
	6.0	2.80																				6.0	
	7.0	2.80	2.60																			7.0	
	8.0	2.80	2.45			2.80				2.80				2.80								8.0	
	9.0	2.80	2.30			2.80				2.80				2.80								9.0	
	10.0	2.65	2.20	1.75		2.80				2.80				2.80				2.65				10.0	
	11.0	2.50	2.10	1.65		2.80				2.80				2.80				2.65				11.0	
	12.0	2.35	2.00	1.55	0.90	2.80				2.80				2.75				2.60				12.0	
	13.0	2.25	1.95	1.50	0.85	2.80	2.20			2.80	2.20			2.70				2.55				13.0	
	14.0	2.10	1.85	1.45	0.85	2.80	2.15			2.75	2.15			2.65	2.15			2.55				14.0	
	16.0	1.95	1.75	1.35		2.70	2.05	1.55		2.65	2.05	1.55		2.60	2.05			2.45	2.05			16.0	
	18.0	1.80	1.65			2.55	2.00	1.50	0.80	2.55	2.00	1.50	0.80	2.50	2.00	1.50	0.80	2.40	1.95	1.50		18.0	
	20.0	1.70				2.45	1.90	1.40	0.80	2.45	1.90	1.45	0.80	2.45	1.90	1.45	0.80	2.35	1.90	1.45	0.80	20.0	
	22.0					2.30	1.85	1.35	0.75	2.35	1.85	1.35	0.75	2.35	1.85	1.40	0.75	2.30	1.85	1.40	0.75	22.0	
	24.0					2.20	1.80	1.30	0.75	2.25	1.80	1.35	0.75	2.25	1.80	1.35	0.75	2.25	1.80	1.35	0.75	24.0	
	26.0					2.10	1.75	1.25	0.75	2.15	1.75	1.30	0.75	2.15	1.75	1.30	0.75	2.00	1.75	1.30	0.75	26.0	
	28.0					2.00	1.70	1.25		2.05	1.70	1.25	0.75	2.10	1.75	1.25	0.70	1.75	1.75	1.25	0.70	28.0	
	30.0					1.95	1.70	1.20		2.00	1.70	1.20		2.00	1.70	1.20	0.70	1.55	1.55	1.20	0.70	30.0	
	32.0					1.90	1.65	1.20		1.90	1.65	1.20		1.70	1.65	1.20		1.35	1.35	1.20		32.0	
	34.0					1.75	1.60	1.15		1.55	1.65	1.15		1.35	1.65	1.15		1.15	1.20	1.15		34.0	
	36.0					1.40	1.60			1.25	1.50	1.15		1.00	1.30	1.15		0.95	1.00	1.05		36.0	
	38.0					1.10	1.30			0.95	1.15			0.70	0.95	1.10		0.65	0.90	0.90		38.0	
	40.0					0.85	1.00			0.70	0.90				0.70	0.80		0.40	0.65	0.80		40.0	
	42.0					0.65	0.75				0.65								0.40				42.0
	44.0																						44.0
46.0																						46.0	
48.0																						48.0	
50.0																						50.0	
52.0																						52.0	
54.0																						54.0	
55.0																						55.0	
56.0																						56.0	
	1	0	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	100	100	100	100	1	
	2	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	2	
	3	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	3	
	4	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	4	
	5	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	5	
ID	1	1	1	1	9	9	9	9	9	10	10	10	10	11	11	11	11	22	22	22	22	ID	
	[DEG]	0 - 84	40 - 84	57 - 84	71 - 84	33 - 84	38 - 84	56 - 84	69 - 84	43 - 84	45 - 84	57 - 84	68 - 84	50 - 84	52 - 84	54 - 84	68 - 84	51 - 84	52 - 84	57 - 84	70 - 84	[DEG]	
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t		

					
FAJ	17.7 m	0.0 t	Smart Chart 2		JPN

		m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m
		°	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°
	2.0																						2.0
	3.0	1.50																					3.0
	4.0	1.50																					4.0
	5.0	1.50																					5.0
	6.0	1.50																					6.0
	7.0	1.50																					7.0
	8.0	1.50				1.50																	8.0
	9.0	1.50	1.25			1.50					1.50				1.45								9.0
	10.0	1.45	1.15			1.50					1.50				1.45				1.35				10.0
	11.0	1.35	1.10			1.50					1.45				1.40				1.35				11.0
	12.0	1.25	1.05			1.45					1.45				1.40				1.35				12.0
	13.0	1.20	1.00			1.45					1.40				1.35				1.30				13.0
	14.0	1.15	0.95	0.85		1.40					1.40				1.35				1.30				14.0
	16.0	1.00	0.90	0.80	0.55	1.35	1.00				1.30	1.00			1.30	1.00			1.25				16.0
	18.0	0.95	0.85	0.75	0.50	1.30	0.95				1.25	0.95			1.25	0.95			1.20	0.95			18.0
	20.0	0.85	0.80	0.75	0.50	1.20	0.90	0.75			1.20	0.90	0.75		1.20	0.90			1.15	0.90			20.0
	22.0	0.80	0.75	0.70		1.15	0.90	0.75	0.50		1.15	0.90	0.75	0.50	1.15	0.90	0.75		1.15	0.90	0.75		22.0
	24.0	0.75	0.75			1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	1.10	1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	24.0
	26.0					1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	1.05	1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	26.0
	28.0					1.00	0.80	0.70	0.45	1.00	0.80	0.70	0.45	1.05	1.05	0.80	0.70	0.45	1.00	0.80	0.70	0.45	28.0
	30.0					0.95	0.80	0.70	0.45	0.95	0.80	0.70	0.45	1.00	1.00	0.80	0.70	0.45	1.00	0.80	0.70	0.45	30.0
	32.0					0.90	0.75	0.70		0.95	0.75	0.70	0.40	0.95	0.95	0.75	0.70	0.40	0.95	0.75	0.70	0.40	32.0
	34.0					0.85	0.75	0.70		0.90	0.75	0.70		0.90	0.90	0.75	0.70	0.40	0.90	0.75	0.70	0.40	34.0
	36.0					0.85	0.75	0.70		0.85	0.75	0.70		0.85	0.90	0.75	0.70		0.90	0.75	0.65	0.40	36.0
	38.0					0.80	0.70	0.70		0.85	0.70	0.70		0.85	0.85	0.70	0.65		0.85	0.70	0.65		38.0
	40.0					0.80	0.70	0.70		0.80	0.70	0.70		0.80	0.75	0.70	0.65		0.70	0.70	0.65		40.0
42.0					0.75	0.70			0.75	0.70	0.70		0.75	0.55	0.70	0.65		0.50	0.70	0.65		42.0	
44.0					0.75	0.70			0.55	0.70			0.55	0.60	0.70	0.65			0.55	0.65		44.0	
46.0					0.55	0.70			0.40	0.55			0.40		0.60					0.50		46.0	
48.0						0.50																48.0	
50.0																						50.0	
52.0																						52.0	
54.0																						54.0	
55.0																						55.0	
56.0																						56.0	
	1	0	0	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	100	100	100	100	1
	2	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	2
	3	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	3	
	4	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	4	
	5	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	5	
ID		1	1	1	1	9	9	9	9	9	10	10	10	10	11	11	11	11	22	22	22	22	ID
 [DEG]		[DEG]	19 - 84	31 - 84	51 - 84	65 - 84	35 - 84	37 - 84	54 - 84	71 - 84	41 - 84	47 - 84	55 - 84	70 - 84	51 - 84	52 - 84	57 - 84	69 - 84	53 - 84	56 - 84	57 - 84	68 - 84	[DEG]
			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
			5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	



					
FAJ	13.1 m	0.0 t	7.8 m	360°	JPN

	m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m	
	°	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°	
 m	2.0	2.80																				2.0	
	3.0	2.80																				3.0	
	4.0	2.80																				4.0	
	5.0	2.80																				5.0	
	6.0	2.80																				6.0	
	7.0	2.80	2.60																			7.0	
	8.0	2.80	2.45			2.80				2.80												8.0	
	9.0	2.80	2.30			2.80				2.80				2.80								9.0	
	10.0	2.65	2.20	1.75		2.80				2.80				2.80				2.65				10.0	
	11.0	2.50	2.10	1.65		2.80				2.80				2.80				2.65				11.0	
	12.0	2.35	2.00	1.55	0.90	2.80				2.80				2.75				2.60				12.0	
	13.0	2.25	1.95	1.50	0.85	2.80	2.20			2.80	2.20			2.70				2.55				13.0	
	14.0	2.10	1.85	1.45	0.85	2.80	2.15			2.75	2.15			2.65	2.15			2.55				14.0	
	16.0	1.95	1.75	1.35		2.70	2.05	1.55		2.65	2.05	1.55		2.60	2.05			2.45	2.05			16.0	
	18.0	1.80	1.65			2.55	2.00	1.50	0.80	2.55	2.00	1.50	0.80	2.50	2.00	1.50	0.80	2.40	1.95	1.50		18.0	
	20.0	1.70				2.45	1.90	1.40	0.80	2.45	1.90	1.45	0.80	2.45	1.90	1.45	0.80	2.35	1.90	1.45	0.80	20.0	
	22.0					2.30	1.85	1.35	0.75	2.35	1.85	1.35	0.75	2.35	1.85	1.40	0.75	2.30	1.85	1.40	0.75	22.0	
	24.0					2.20	1.80	1.30	0.75	2.25	1.80	1.35	0.75	2.25	1.80	1.35	0.75	2.25	1.80	1.35	0.75	24.0	
	26.0					2.10	1.75	1.25	0.75	2.15	1.75	1.30	0.75	2.15	1.75	1.30	0.75	2.00	1.75	1.30	0.75	26.0	
	28.0					2.00	1.70	1.25		2.05	1.70	1.25	0.75	2.00	1.75	1.25	0.70	1.75	1.75	1.25	0.70	28.0	
	30.0					1.95	1.70	1.20		1.80	1.70	1.20		1.55	1.70	1.20	0.70	1.50	1.55	1.20	0.70	30.0	
	32.0					1.60	1.65	1.20		1.45	1.65	1.20		1.20	1.55	1.20		1.10	1.35	1.20		32.0	
	34.0					1.25	1.50	1.15		1.10	1.40	1.15		0.85	1.20	1.15		0.80	1.15	1.15		34.0	
	36.0					0.95	1.20			0.80	1.05	1.15		0.55	0.85	1.05			0.80	1.00		36.0	
	38.0					0.70	0.90			0.55	0.75					0.55	0.70				0.70		38.0
	40.0					0.50	0.65				0.50												40.0
	42.0																						42.0
	44.0																						44.0
46.0																						46.0	
48.0																						48.0	
50.0																						50.0	
52.0																						52.0	
54.0																						54.0	
55.0																						55.0	
56.0																						56.0	
 %	1	0	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	100	100	100	100	1	
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	3	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	3	
	4	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	4	
	5	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	5	
ID	1	1	1	1	9	9	9	9	9	10	10	10	10	11	11	11	11	22	22	22	22	ID	
 [DEG]	[DEG]	0 - 84	40 - 84	57 - 84	71 - 84	38 - 84	43 - 84	56 - 84	69 - 84	46 - 84	48 - 84	57 - 84	68 - 84	53 - 84	55 - 84	57 - 84	68 - 84	58 - 84	59 - 84	60 - 84	70 - 84	[DEG]	
 m	m	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t		

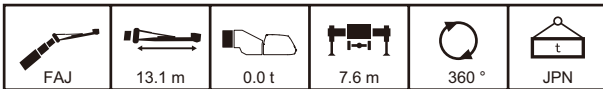
Full automatic jib

					
FAJ	17.7 m	0.0 t	7.8 m	360°	JPN

		m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m	
		°	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°	
	2.0																						2.0	
	3.0	1.50																					3.0	
	4.0	1.50																					4.0	
	5.0	1.50																					5.0	
	6.0	1.50																					6.0	
	7.0	1.50																					7.0	
	8.0	1.50					1.50																8.0	
	9.0	1.50	1.25				1.50				1.50				1.45								9.0	
	10.0	1.45	1.15				1.50				1.50				1.45				1.35				10.0	
	11.0	1.35	1.10				1.50				1.45				1.40				1.35				11.0	
	12.0	1.25	1.05				1.45				1.45				1.40				1.35				12.0	
	13.0	1.20	1.00				1.45				1.40				1.35				1.30				13.0	
	14.0	1.15	0.95	0.85			1.40				1.40				1.35				1.30				14.0	
	16.0	1.00	0.90	0.80	0.55		1.35	1.00			1.30	1.00			1.30	1.00			1.25				16.0	
	18.0	0.95	0.85	0.75	0.50		1.30	0.95			1.25	0.95			1.25	0.95			1.20	0.95			18.0	
	20.0	0.85	0.80	0.75	0.50		1.20	0.90	0.75		1.20	0.90	0.75		1.20	0.90			1.15	0.90			20.0	
	22.0	0.80	0.75	0.70			1.15	0.90	0.75	0.50	1.15	0.90	0.75	0.50	1.15	0.90	0.75		1.15	0.90	0.75		22.0	
	24.0	0.75	0.75				1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	24.0	
	26.0						1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	26.0	
	28.0						1.00	0.80	0.70	0.45	1.00	0.80	0.70	0.45	1.05	0.80	0.70	0.45	1.00	0.80	0.70	0.45	28.0	
	30.0						0.95	0.80	0.70	0.45	0.95	0.80	0.70	0.45	1.00	0.80	0.70	0.45	1.00	0.80	0.70	0.45	30.0	
	32.0						0.90	0.75	0.70		0.95	0.75	0.70	0.40	0.95	0.75	0.70	0.40	0.95	0.75	0.70	0.40	32.0	
	34.0						0.85	0.75	0.70		0.90	0.75	0.70		0.90	0.75	0.70	0.40	0.90	0.75	0.70	0.40	34.0	
	36.0						0.85	0.75	0.70		0.85	0.75	0.70		0.90	0.75	0.70		0.80	0.75	0.65	0.40	36.0	
	38.0						0.80	0.70	0.70		0.85	0.70	0.70		0.65	0.70	0.65		0.55	0.70	0.65		38.0	
	40.0						0.80	0.70	0.70		0.65	0.70	0.70			0.70	0.65			0.70	0.65		40.0	
	42.0						0.60	0.70			0.40	0.65	0.70			0.50	0.65					0.65		42.0
	44.0						0.40	0.55				0.45												44.0
46.0																							46.0	
48.0																							48.0	
50.0																							50.0	
52.0																							52.0	
54.0																							54.0	
55.0																							55.0	
56.0																							56.0	
	1	0	0	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	100	100	100	100	1	
	2	0	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	2	
	3	0	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	3	
	4	0	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	4	
	5	0	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	5	
ID		1	1	1	1	9	9	9	9	10	10	10	10	10	11	11	11	11	22	22	22	22	ID	
		[DEG]	19 - 34	31 - 84	51 - 84	65 - 84	39 - 84	45 - 84	54 - 84	71 - 84	47 - 84	50 - 84	55 - 84	70 - 84	56 - 84	57 - 84	59 - 84	69 - 84	57 - 84	61 - 84	62 - 84	68 - 84	[DEG]	
			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
			5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t		

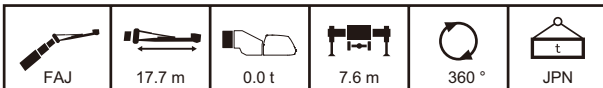
					
FAJ	8.4 m	0.0 t	7.6 m	360°	JPN

[illegible]



 m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m	
 °	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°	
 m	2.0	2.80																			2.0	
	3.0	2.80																			3.0	
	4.0	2.80																			4.0	
	5.0	2.80																			5.0	
	6.0	2.80																			6.0	
	7.0	2.80	2.60																		7.0	
	8.0	2.80	2.45		2.80				2.80													8.0
	9.0	2.80	2.30		2.80				2.80					2.80								9.0
	10.0	2.65	2.20	1.75	2.80				2.80					2.80			2.65					10.0
	11.0	2.50	2.10	1.65	2.80				2.80					2.80			2.65					11.0
	12.0	2.35	2.00	1.55	0.90	2.80			2.80					2.75			2.60					12.0
	13.0	2.25	1.95	1.50	0.85	2.80	2.20		2.80	2.20				2.70			2.55					13.0
	14.0	2.10	1.85	1.45	0.85	2.80	2.15		2.75	2.15				2.65	2.15		2.55					14.0
	16.0	1.95	1.75	1.35		2.70	2.05	1.55	2.65	2.05	1.55			2.60	2.05		2.45	2.05				16.0
	18.0	1.80	1.65			2.55	2.00	1.50	0.80	2.55	2.00	1.50	0.80	2.50	2.00	1.50	0.80	2.40	1.95	1.50		18.0
	20.0	1.70				2.45	1.90	1.40	0.80	2.45	1.90	1.45	0.80	2.45	1.90	1.45	0.80	2.35	1.90	1.45	0.80	20.0
	22.0					2.30	1.85	1.35	0.75	2.35	1.85	1.35	0.75	2.35	1.85	1.40	0.75	2.30	1.85	1.40	0.75	22.0
	24.0					2.20	1.80	1.30	0.75	2.25	1.80	1.35	0.75	2.25	1.80	1.35	0.75	2.25	1.80	1.35	0.75	24.0
	26.0					2.10	1.75	1.25	0.75	2.15	1.75	1.30	0.75	2.15	1.75	1.30	0.75	2.00	1.75	1.30	0.75	26.0
	28.0					2.00	1.70	1.25		2.05	1.70	1.25	0.75	1.85	1.75	1.25	0.70	1.75	1.75	1.25	0.70	28.0
	30.0					1.80	1.70	1.20		1.65	1.70	1.20		1.40	1.70	1.20	0.70	1.35	1.55	1.20	0.70	30.0
	32.0					1.45	1.65	1.20		1.30	1.60	1.20		1.05	1.45	1.20		1.00	1.35	1.20		32.0
	34.0					1.15	1.40	1.15		1.00	1.25	1.15		0.75	1.05	1.15		0.70	1.00	1.15		34.0
	36.0					0.85	1.10			0.70	0.95	1.10			0.75	0.95			0.70	0.90		36.0
	38.0					0.60	0.80				0.65					0.60				0.60		38.0
	40.0						0.55															40.0
	42.0																					42.0
	44.0																					44.0
46.0																					46.0	
48.0																					48.0	
50.0																					50.0	
52.0																					52.0	
54.0																					54.0	
55.0																					55.0	
56.0																					56.0	
 %	1	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	100	100	100	100	1	
	2	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	2	
	3	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	3	
	4	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	4	
	5	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	5	
ID	1	1	1	1	9	9	9	9	10	10	10	10	11	11	11	11	22	22	22	22	ID	
 [DEG]	0 - 84	40 - 84	57 - 84	71 - 84	41 - 84	43 - 84	56 - 84	69 - 84	49 - 84	51 - 84	57 - 84	68 - 84	55 - 84	57 - 84	57 - 84	68 - 84	58 - 84	59 - 84	60 - 84	70 - 84	[DEG]	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t		

FAJ



	m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m
	°	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°
	2.0																					2.0
	3.0	1.50																				3.0
	4.0	1.50																				4.0
	5.0	1.50																				5.0
	6.0	1.50																				6.0
	7.0	1.50																				7.0
	8.0	1.50				1.50																8.0
	9.0	1.50	1.25			1.50				1.50				1.45								9.0
	10.0	1.45	1.15			1.50				1.50				1.45				1.35				10.0
	11.0	1.35	1.10			1.50				1.45				1.40				1.35				11.0
	12.0	1.25	1.05			1.45				1.45				1.40				1.35				12.0
	13.0	1.20	1.00			1.45				1.40				1.35				1.30				13.0
	14.0	1.15	0.95	0.85		1.40				1.40				1.35				1.30				14.0
	16.0	1.00	0.90	0.80	0.55	1.35	1.00			1.30	1.00			1.30	1.00			1.25				16.0
	18.0	0.95	0.85	0.75	0.50	1.30	0.95			1.25	0.95			1.25	0.95			1.20	0.95			18.0
	20.0	0.85	0.80	0.75	0.50	1.20	0.90	0.75		1.20	0.90	0.75		1.20	0.90			1.15	0.90			20.0
	22.0	0.80	0.75	0.70		1.15	0.90	0.75	0.50	1.15	0.90	0.75	0.50	1.15	0.90	0.75		1.15	0.90	0.75		22.0
	24.0	0.75	0.75			1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	24.0
	26.0					1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	26.0
	28.0					1.00	0.80	0.70	0.45	1.00	0.80	0.70	0.45	1.05	0.80	0.70	0.45	1.00	0.80	0.70	0.45	28.0
	30.0					0.95	0.80	0.70	0.45	0.95	0.80	0.70	0.45	1.00	0.80	0.70	0.45	1.00	0.80	0.70	0.45	30.0
	32.0					0.90	0.75	0.70		0.95	0.75	0.70	0.40	0.95	0.75	0.70	0.40	0.95	0.75	0.70	0.40	32.0
	34.0					0.85	0.75	0.70		0.90	0.75	0.70		0.90	0.75	0.70	0.40	0.90	0.75	0.70	0.40	34.0
	36.0					0.85	0.75	0.70		0.85	0.75	0.70		0.80	0.75	0.70		0.70	0.75	0.65	0.40	36.0
	38.0					0.80	0.70	0.70		0.75	0.70	0.70		0.55	0.70	0.65			0.70	0.65		38.0
	40.0					0.70	0.70	0.70		0.55	0.70	0.70			0.65	0.65			0.60	0.65		40.0
	42.0					0.50	0.70				0.60	0.70					0.55					42.0
	44.0						0.50															44.0
46.0							0.50														46.0	
48.0																					48.0	
50.0																					50.0	
52.0																					52.0	
54.0																					54.0	
55.0																					55.0	
56.0																					56.0	
	1	0	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	100	100	100	100	1
	2	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	2
	3	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	3
	4	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	4
	5	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	5
	ID	1	1	1	1	9	9	9	9	10	10	10	10	11	11	11	11	22	22	22	22	ID
	[DEG]	19 - 84	31 - 84	51 - 84	65 - 84	42 - 84	45 - 84	54 - 84	71 - 84	50 - 84	53 - 84	55 - 84	70 - 84	56 - 84	59 - 84	59 - 84	69 - 84	59 - 84	61 - 84	62 - 84	68 - 84	[DEG]
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	

Full automatic jib

					
FAJ	8.4 m	0.0 t	7.2 m	360 °	JPN

 m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m
 °	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°
2.0	4.00																				2.0
3.0	4.00																				3.0
4.0	4.00	4.00																			4.0
5.0	4.00	4.00																			5.0
6.0	4.00	4.00	3.00																		6.0
7.0	4.00	4.00	2.85		4.00				4.00												7.0
8.0	4.00	4.00	2.70	1.60	4.00				4.00				4.00				4.00				8.0
9.0	4.00	4.00	2.55	1.55	4.00				4.00				4.00				4.00				9.0
10.0	4.00	3.90	2.45	1.50	4.00	4.00			4.00	4.00			4.00				4.00				10.0
11.0	4.00	3.70	2.35		4.00	4.00			4.00	4.00			4.00	4.00			4.00				11.0
12.0	4.00	3.50	2.30		4.00	4.00	2.65	1.55	4.00	4.00	2.85		4.00	3.95			4.00	3.70			12.0
13.0	4.00	3.35			4.00	4.00	2.60	1.50	4.00	3.90	2.60	1.50	4.00	3.80	2.60		3.95	3.55			13.0
14.0	4.00	3.20			4.00	3.85	2.55	1.50	4.00	3.75	2.55	1.50	4.00	3.65	2.55	1.50	3.85	3.45	2.60	1.50	14.0
16.0					4.00	3.60	2.45	1.45	3.95	3.50	2.45	1.45	3.85	3.40	2.45	1.45	3.55	3.20	2.50	1.45	16.0
18.0					3.75	3.35	2.35	1.40	3.65	3.25	2.35	1.40	3.55	3.20	2.40	1.40	3.30	3.05	2.40	1.40	18.0
20.0					3.50	3.15	2.25	1.40	3.40	3.05	2.30	1.40	3.30	3.00	2.30	1.40	3.05	2.85	2.30	1.40	20.0
22.0					3.20	2.95	2.20	1.35	3.05	2.90	2.20	1.35	2.75	2.80	2.25	1.35	2.65	2.60	2.25	1.35	22.0
24.0					2.55	2.80	2.15		2.40	2.70	2.15	1.35	2.10	2.45	2.15	1.35	2.05	2.25	2.20	1.35	24.0
26.0					2.05	2.25	2.10		1.90	2.15	2.10		1.60	1.90	2.10		1.50	1.85	1.95	1.30	26.0
28.0					1.60	1.80	1.90		1.45	1.70	1.80		1.15	1.45	1.60		1.05	1.35	1.55		28.0
30.0					1.20	1.40	1.50		1.05	1.25	1.40		0.75	1.00	1.20		0.70	0.95	1.15		30.0
32.0					0.85	1.00			0.70	0.90	1.00			0.65	0.80				0.75		32.0
34.0					0.55	0.70			0.40	0.55											34.0
36.0						0.40															36.0
38.0																					38.0
40.0																					40.0
42.0																					42.0
44.0																					44.0
46.0																					46.0
48.0																					48.0
50.0																					50.0
52.0																					52.0
54.0																					54.0
55.0																					55.0
56.0																					56.0
1	0	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	100	100	100	100	1
2	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	2
3	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	3
4	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	4
5	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	5
ID	1	1	1	1	9	9	9	9	10	10	10	10	11	11	11	11	22	22	22	22	ID
 [DEG]	28 - 84	35 - 84	54 - 84	68 - 84	41 - 84	40 - 84	54 - 84	68 - 84	46 - 84	49 - 84	54 - 84	67 - 84	56 - 84	57 - 84	58 - 84	69 - 84	58 - 84	61 - 84	60 - 84	68 - 84	[DEG]
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	

					
FAJ	13.1 m	0.0 t	7.2 m	360 °	JPN

 m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m	
 °	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°	
 m	2.0	2.80																			2.0	
	3.0	2.80																			3.0	
	4.0	2.80																			4.0	
	5.0	2.80																			5.0	
	6.0	2.80																			6.0	
	7.0	2.80	2.60																		7.0	
	8.0	2.80	2.45		2.80				2.80													8.0
	9.0	2.80	2.30		2.80				2.80					2.80								9.0
	10.0	2.65	2.20	1.75	2.80				2.80					2.80				2.65				10.0
	11.0	2.50	2.10	1.65	2.80				2.80					2.80				2.65				11.0
	12.0	2.35	2.00	1.55	0.90	2.80			2.80					2.75				2.60				12.0
	13.0	2.25	1.95	1.50	0.85	2.80	2.20		2.80	2.20				2.70				2.55				13.0
	14.0	2.10	1.85	1.45	0.85	2.80	2.15		2.75	2.15				2.65	2.15			2.55				14.0
	16.0	1.95	1.75	1.35		2.70	2.05	1.55		2.65	2.05	1.55		2.60	2.05			2.45	2.05			16.0
	18.0	1.80	1.65			2.55	2.00	1.50	0.80	2.55	2.00	1.50	0.80	2.50	2.00	1.50	0.80	2.40	1.95	1.50		18.0
	20.0	1.70				2.45	1.90	1.40	0.80	2.45	1.90	1.45	0.80	2.45	1.90	1.45	0.80	2.35	1.90	1.45	0.80	20.0
	22.0					2.30	1.85	1.35	0.75	2.35	1.85	1.35	0.75	2.35	1.85	1.40	0.75	2.30	1.85	1.40	0.75	22.0
	24.0					2.20	1.80	1.30	0.75	2.25	1.80	1.35	0.75	2.25	1.80	1.35	0.75	2.25	1.80	1.35	0.75	24.0
	26.0					2.10	1.75	1.25	0.75	2.15	1.75	1.30	0.75	1.95	1.75	1.30	0.75	1.90	1.75	1.30	0.75	26.0
	28.0					1.95	1.70	1.25		1.80	1.70	1.25	0.75	1.50	1.75	1.25	0.70	1.45	1.75	1.25	0.70	28.0
	30.0					1.55	1.70	1.20		1.40	1.70	1.20		1.15	1.55	1.20	0.70	1.05	1.45	1.20	0.70	30.0
	32.0					1.25	1.50	1.20		1.05	1.40	1.20		0.80	1.15	1.20		0.70	1.10	1.20		32.0
	34.0					0.95	1.15	1.15		0.75	1.05	1.15			0.85	1.05			0.75	1.00		34.0
	36.0					0.65	0.85			0.50	0.75	0.90				0.70				0.65		36.0
	38.0						0.60				0.50											38.0
	40.0																					40.0
	42.0																					42.0
	44.0																					44.0
46.0																					46.0	
48.0																					48.0	
50.0																					50.0	
52.0																					52.0	
54.0																					54.0	
55.0																					55.0	
56.0																					56.0	
 %	1	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	92	100	100	100	100	1
	2	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	2
	3	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	3
	4	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	4
	ID	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	5
	1	1	1	1	9	9	9	9	10	10	10	10	11	11	11	11	11	22	22	22	22	ID
 [DEG]	0 - 84	40 - 84	57 - 84	71 - 84	45 - 84	47 - 84	56 - 84	69 - 84	49 - 84	51 - 84	57 - 84	68 - 84	58 - 84	60 - 84	60 - 84	68 - 84	60 - 84	62 - 84	62 - 84	70 - 84	[DEG]	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t		



	m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m	
	°	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°	
 m	2.0																					2.0	
	3.0	1.50																				3.0	
	4.0	1.50																				4.0	
	5.0	1.50																				5.0	
	6.0	1.50																				6.0	
	7.0	1.50																				7.0	
	8.0	1.50				1.50																8.0	
	9.0	1.50	1.25			1.50				1.50				1.45								9.0	
	10.0	1.45	1.15			1.50				1.50				1.45				1.35				10.0	
	11.0	1.35	1.10			1.50				1.45				1.40				1.35				11.0	
	12.0	1.25	1.05			1.45				1.45				1.40				1.35				12.0	
	13.0	1.20	1.00			1.45				1.40				1.35				1.30				13.0	
	14.0	1.15	0.95	0.85		1.40				1.40				1.35				1.30				14.0	
	16.0	1.00	0.90	0.80	0.55	1.35	1.00			1.30	1.00			1.30	1.00			1.25				16.0	
	18.0	0.95	0.85	0.75	0.50	1.30	0.95			1.25	0.95			1.25	0.95			1.20	0.95			18.0	
	20.0	0.85	0.80	0.75	0.50	1.20	0.90	0.75		1.20	0.90			1.20	0.90			1.15	0.90			20.0	
	22.0	0.80	0.75	0.70		1.15	0.90	0.75	0.50	1.15	0.90	0.75	0.50	1.15	0.90	0.75		1.15	0.90	0.75		22.0	
	24.0	0.75	0.75			1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	24.0	
	26.0					1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	26.0	
	28.0					1.00	0.80	0.70	0.45	1.00	0.80	0.70	0.45	1.05	0.80	0.70	0.45	1.00	0.80	0.70	0.45	28.0	
	30.0					0.95	0.80	0.70	0.45	0.95	0.80	0.70	0.45	1.00	0.80	0.70	0.45	1.00	0.80	0.70	0.45	30.0	
	32.0					0.90	0.75	0.70		0.95	0.75	0.70	0.40	0.95	0.75	0.70	0.40	0.95	0.75	0.70	0.40	32.0	
	34.0					0.85	0.75	0.70		0.90	0.75	0.70		0.80	0.75	0.70	0.40	0.75	0.75	0.70	0.40	34.0	
	36.0					0.85	0.75	0.70		0.80	0.75	0.70			0.75	0.70		0.75	0.75	0.65	0.40	36.0	
	38.0					0.75	0.70	0.70		0.55	0.70	0.70			0.70	0.65			0.60	0.65		38.0	
	40.0					0.50	0.70	0.70			0.65	0.70				0.65				0.60			40.0
	42.0						0.55				0.40		0.55										42.0
	44.0																						44.0
	46.0																						46.0
	48.0																						48.0
	50.0																						50.0
	52.0																						52.0
54.0																						54.0	
55.0																						55.0	
56.0																						56.0	
 %	1	0	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	100	100	100	100	1	
	2	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	2	
	3	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	3	
	4	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	4	
	5	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	5	
ID	1	1	1	1	9	9	9	9	9	10	10	10	10	11	11	11	11	22	22	22	22	ID	
 [DEG]		19 - 84	31 - 84	51 - 84	65 - 84	46 - 84	49 - 84	54 - 84	71 - 84	52 - 84	53 - 84	55 - 84	70 - 84	60 - 84	61 - 84	62 - 84	69 - 84	61 - 84	63 - 84	64 - 84	68 - 84	[DEG]	
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t		

[illegible]

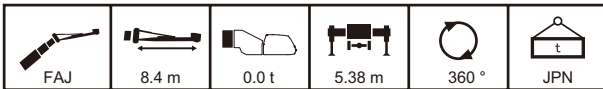
Full automatic jib

					
FAJ	13.1 m	0.0 t	6.4 m	360°	JPN

	m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m
	°	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°
 m	2.0	2.80																				2.0
	3.0	2.80																				3.0
	4.0	2.80																				4.0
	5.0	2.80																				5.0
	6.0	2.80																				6.0
	7.0	2.80	2.60																			7.0
	8.0	2.80	2.45			2.80				2.80												8.0
	9.0	2.80	2.30			2.80				2.80				2.80								9.0
	10.0	2.65	2.20	1.75		2.80				2.80				2.80				2.65				10.0
	11.0	2.50	2.10	1.65		2.80				2.80				2.80				2.65				11.0
	12.0	2.35	2.00	1.55	0.90	2.80				2.80				2.75				2.60				12.0
	13.0	2.25	1.95	1.50	0.85	2.80	2.20			2.80	2.20			2.70				2.55				13.0
	14.0	2.10	1.85	1.45	0.85	2.80	2.15			2.75	2.15			2.65	2.15			2.55				14.0
	16.0	1.95	1.75	1.35		2.70	2.05	1.55		2.65	2.05	1.55		2.60	2.05			2.45	2.05			16.0
	18.0	1.80	1.65			2.55	2.00	1.50	0.80	2.55	2.00	1.50	0.80	2.50	2.00	1.50	0.80	2.40	1.95	1.50		18.0
	20.0	1.70				2.45	1.90	1.40	0.80	2.45	1.90	1.45	0.80	2.45	1.90	1.45	0.80	2.35	1.90	1.45	0.80	20.0
	22.0					2.30	1.85	1.35	0.75	2.35	1.85	1.35	0.75	2.30	1.85	1.40	0.75	2.20	1.85	1.40	0.75	22.0
	24.0					2.20	1.80	1.30	0.75	2.10	1.80	1.35	0.75	1.75	1.80	1.35	0.75	1.70	1.80	1.35	0.75	24.0
	26.0					1.80	1.75	1.25	0.75	1.65	1.75	1.30	0.75	1.30	1.75	1.30	0.75	1.25	1.75	1.30	0.75	26.0
	28.0					1.40	1.70	1.25		1.25	1.60	1.25	0.75	0.90	1.35	1.25	0.70	0.85	1.30	1.25	0.70	28.0
	30.0					1.05	1.35	1.20		0.90	1.25	1.20			0.95	1.20	0.70		0.90	1.20	0.70	30.0
	32.0					0.75	1.05	1.20		0.60	0.90	1.10					0.90					32.0
	34.0					0.50	0.75	0.90			0.60	0.80										34.0
	36.0																					36.0
	38.0																					38.0
	40.0																					40.0
	42.0																					42.0
	44.0																					44.0
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54.0																					54.0	
55.0																					55.0	
56.0																					56.0	
 %	1	0	0	0	0	0	0	0	0	46	46	46	46	92	92	92	92	100	100	100	100	1
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 [DEG]	[DEG]	0 - 84	40 - 84	57 - 84	71 - 84	48 - 84	53 - 84	56 - 84	69 - 84	54 - 84	57 - 84	59 - 84	68 - 84	62 - 84	64 - 84	65 - 84	68 - 84	64 - 84	66 - 84	66 - 84	70 - 84	[DEG]
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	

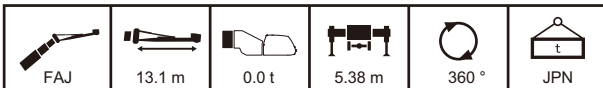
					
FAJ	17.7 m	0.0 t	6.4 m	360°	JPN

	m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m	
	°	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°	
 m	2.0																					2.0	
	3.0	1.50																				3.0	
	4.0	1.50																				4.0	
	5.0	1.50																				5.0	
	6.0	1.50																				6.0	
	7.0	1.50																				7.0	
	8.0	1.50				1.50																8.0	
	9.0	1.50	1.25			1.50				1.50				1.45								9.0	
	10.0	1.45	1.15			1.50				1.50				1.45				1.35				10.0	
	11.0	1.35	1.10			1.50				1.45				1.40				1.35				11.0	
	12.0	1.25	1.05			1.45				1.45				1.40				1.35				12.0	
	13.0	1.20	1.00			1.45				1.40				1.35				1.30				13.0	
	14.0	1.15	0.95	0.85		1.40				1.40				1.35				1.30				14.0	
	16.0	1.00	0.90	0.80	0.55	1.35	1.00			1.30	1.00			1.30	1.00			1.25				16.0	
	18.0	0.95	0.85	0.75	0.50	1.30	0.95			1.25	0.95			1.25	0.95			1.20	0.95			18.0	
	20.0	0.85	0.80	0.75	0.50	1.20	0.90	0.75		1.20	0.90	0.75		1.20	0.90			1.15	0.90			20.0	
	22.0	0.80	0.75	0.70		1.15	0.90	0.75	0.50	1.15	0.90	0.75	0.50	1.15	0.90	0.75		1.15	0.90	0.75		22.0	
	24.0	0.75	0.75			1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	24.0	
	26.0					1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45	26.0	
	28.0					1.00	0.80	0.70	0.45	1.00	0.80	0.70	0.45	1.05	0.80	0.70	0.45	1.00	0.80	0.70	0.45	28.0	
	30.0					0.95	0.80	0.70	0.45	0.95	0.80	0.70	0.45	0.90	0.80	0.70	0.45	0.80	0.80	0.70	0.45	30.0	
	32.0					0.90	0.75	0.70		0.90	0.75	0.70	0.40		0.75	0.70	0.40		0.75	0.70	0.40	32.0	
	34.0					0.80	0.75	0.70		0.60	0.75	0.70			0.75	0.70	0.40		0.70	0.70	0.40	34.0	
	36.0					0.55	0.75	0.70			0.75	0.70			0.70	0.70			0.65	0.65	0.40	36.0	
	38.0						0.60	0.70			0.50	0.70	0.70									38.0	
	40.0						0.40	0.55														40.0	
	42.0																					42.0	
	44.0																					44.0	
	46.0																					46.0	
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55.0																					55.0		
56.0																					56.0		
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	ID	1	1	1	1	9	9	9	9	10	10	10	10	10	11	11	11	11	22	22	22	22	ID
 [DEG]	[DEG]	19 - 84	31 - 84	51 - 84	65 - 84	51 - 84	52 - 84	54 - 84	71 - 84	57 - 84	58 - 84	61 - 84	70 - 84	64 - 84	65 - 84	66 - 84	69 - 84	65 - 84	67 - 84	68 - 84	68 - 84	[DEG]	
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t		



m		10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m
°		5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°
	2.0	4.00																				2.0
	3.0	4.00																				3.0
	4.0	4.00	4.00																			4.0
	5.0	4.00	4.00																			5.0
	6.0	4.00	4.00	3.00																		6.0
	7.0	4.00	4.00	2.85		4.00				4.00												7.0
	8.0	4.00	4.00	2.70	1.60	4.00				4.00				4.00				4.00				8.0
	9.0	4.00	4.00	2.55	1.55	4.00				4.00				4.00				4.00				9.0
	10.0	4.00	3.90	2.45	1.50	4.00	4.00			4.00	4.00			4.00				4.00				10.0
	11.0	4.00	3.70	2.35		4.00	4.00			4.00	4.00			4.00	4.00			4.00	3.70			11.0
	12.0	4.00	3.50	2.30		4.00	4.00	2.65	1.55	4.00	4.00	2.65		4.00	3.95			4.00	3.70			12.0
	13.0	4.00	3.35			4.00	4.00	2.60	1.50	4.00	3.90	2.60	1.50	4.00	3.80	2.60		3.95	3.55			13.0
	14.0	4.00	3.20			4.00	3.85	2.55	1.50	4.00	3.75	2.55	1.50	4.00	3.65	2.55	1.50	3.85	3.45	2.60	1.50	14.0
	16.0					3.65	3.60	2.45	1.45	3.35	3.50	2.45	1.45	2.95	3.40	2.45	1.45	2.85	3.20	2.50	1.45	16.0
	18.0					2.75	3.20	2.35	1.40	2.50	3.00	2.35	1.40	2.15	2.65	2.40	1.40	2.05	2.55	2.40	1.40	18.0
	20.0					2.05	2.45	2.25	1.40	1.85	2.25	2.30	1.40	1.50	1.95	2.30	1.40	1.40	1.85	2.20	1.40	20.0
	22.0					1.50	1.85	2.10	1.35	1.30	1.65	1.90	1.35	0.95	1.35	1.65	1.35	1.30	1.60	1.35		22.0
	24.0					1.05	1.35	1.55		0.80	1.15	1.35	1.35			1.10	1.20		1.05	1.15		24.0
	26.0					0.65	0.90	1.05			0.70	0.90										26.0
	28.0						0.50	0.65														28.0
	30.0																					30.0
	32.0																					32.0
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ID		1	1	1	1	9	9	9	9	10	10	10	10	11	11	11	11	22	22	22	22	ID
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		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	

FAJ



m		10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m
°		5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°
m	2.0	2.80																				2.0
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	4.0	2.80																				4.0
	5.0	2.80																				5.0
	6.0	2.80																				6.0
	7.0	2.80	2.60																			7.0
	8.0	2.80	2.45			2.80				2.80												8.0
	9.0	2.80	2.30			2.80				2.80				2.80								9.0
	10.0	2.65	2.20	1.75		2.80				2.80				2.80				2.65				10.0
	11.0	2.50	2.10	1.65		2.80				2.80				2.80				2.65				11.0
	12.0	2.35	2.00	1.55	0.90	2.80				2.80				2.75				2.60				12.0
	13.0	2.25	1.95	1.50	0.85	2.80	2.20			2.80	2.20			2.70				2.55				13.0
	14.0	2.10	1.85	1.45	0.85	2.80	2.15			2.75	2.15			2.65	2.15			2.55				14.0
	16.0	1.95	1.75	1.35		2.70	2.05	1.55		2.65	2.05	1.55		2.60	2.05			2.45	2.05			16.0
	18.0	1.80	1.65			2.55	2.00	1.50	0.80	2.55	2.00	1.50	0.80	2.50	2.00	1.50	0.80	2.40	1.95	1.50		18.0
	20.0	1.70				2.45	1.90	1.40	0.80	2.20	1.90	1.45	0.80	1.85	1.90	1.45	0.80	1.80	1.90	1.45	0.80	20.0
	22.0					1.90	1.85	1.35	0.75	1.65	1.85	1.35	0.75	1.35	1.85	1.40	0.75	1.25	1.85	1.40	0.75	22.0
	24.0					1.40	1.80	1.30	0.75	1.20	1.70	1.35	0.75	0.90	1.40	1.35	0.75		1.35	1.35	0.75	24.0
	26.0					1.00	1.45	1.25	0.75	0.80	1.25	1.30	0.75		1.00	1.30	0.75		0.90	1.30	0.75	26.0
	28.0					0.70	1.05	1.25			0.85	1.15	0.75			0.95	0.70			0.90	0.70	28.0
	30.0						0.70	0.95				0.80										30.0
	32.0							0.60														32.0
	34.0																					34.0
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	5	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	5
ID	1	1	1	1	9	9	9	9	9	10	10	10	10	11	11	11	11	22	22	22	22	ID
[DEG]		0 - 84	40 - 84	57 - 84	71 - 84	57 - 84	59 - 84	59 - 84	69 - 84	62 - 84	64 - 84	65 - 84	68 - 84	67 - 84	69 - 84	69 - 84	70 - 84	70 - 84	70 - 84	71 - 84	72 - 84	[DEG]
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
		5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	

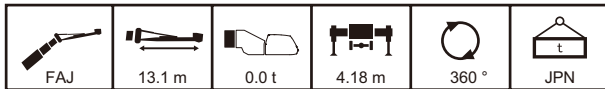
Full automatic jib

					
FAJ	17.7 m	0.0 t	5.38 m	360°	JPN

 m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m
 °	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°
2.0																					2.0
3.0	1.50																				3.0
4.0	1.50																				4.0
5.0	1.50																				5.0
6.0	1.50																				6.0
7.0	1.50																				7.0
8.0	1.50				1.50																8.0
9.0	1.50	1.25			1.50				1.50				1.45								9.0
10.0	1.45	1.15			1.50				1.50				1.45				1.35				10.0
11.0	1.35	1.10			1.50				1.45				1.40				1.35				11.0
12.0	1.25	1.05			1.45				1.45				1.40				1.35				12.0
13.0	1.20	1.00			1.45				1.40				1.35				1.30				13.0
14.0	1.15	0.95	0.85		1.40				1.40				1.35				1.30				14.0
16.0	1.00	0.90	0.80	0.55	1.35	1.00			1.30	1.00			1.30	1.00			1.25				16.0
18.0	0.95	0.85	0.75	0.50	1.30	0.95			1.25	0.95			1.25	0.95			1.20	0.95			18.0
20.0	0.85	0.80	0.75	0.50	1.20	0.90	0.75		1.20	0.90	0.75		1.20	0.90			1.15	0.90			20.0
22.0	0.80	0.75	0.70		1.15	0.90	0.75	0.50	1.15	0.90	0.75	0.50	1.15	0.90	0.75		1.15	0.90	0.75		22.0
24.0	0.75	0.75			1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	1.10	0.85	0.70	0.45	24.0
26.0					1.05	0.85	0.70	0.45	1.05	0.85	0.70	0.45		0.85	0.70	0.45		0.85	0.70	0.45	26.0
28.0					1.00	0.80	0.70	0.45	0.80	0.80	0.70	0.45		0.80	0.70	0.45		0.80	0.70	0.45	28.0
30.0					0.70	0.80	0.70	0.45		0.80	0.70	0.45			0.70	0.45			0.70	0.45	30.0
32.0						0.75	0.70			0.65	0.70	0.40			0.70	0.40				0.40	32.0
34.0						0.55	0.70				0.70										34.0
36.0							0.55														36.0
38.0																					38.0
40.0																					40.0
42.0																					42.0
44.0																					44.0
46.0																					46.0
48.0																					48.0
50.0																					50.0
52.0																					52.0
54.0																					54.0
55.0																					55.0
56.0																					56.0
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2	0	0	0	0	92	92	92	92	92	92	92	92	92	92	92	92	100	100	100	100	2
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ID	1	1	1	1	9	9	9	9	10	10	10	10	11	11	11	11	22	22	22	22	ID
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	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	

					
FAJ	8.4 m	0.0 t	4.18 m	360°	JPN

 m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m
 °	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°
2.0	4.00																				2.0
3.0	4.00																				3.0
4.0	4.00	4.00																			4.0
5.0	4.00	4.00																			5.0
6.0	4.00	4.00	3.00																		6.0
7.0	4.00	4.00	2.85		4.00				4.00												7.0
8.0	4.00	4.00	2.70	1.60	4.00				4.00				4.00				4.00				8.0
9.0	4.00	4.00	2.55	1.55	4.00				4.00				4.00				4.00				9.0
10.0	4.00	3.90	2.45	1.50	4.00	4.00			4.00	4.00			4.00				4.00				10.0
11.0	4.00	3.70	2.35		4.00	4.00			4.00	4.00			3.90	4.00			3.80	3.70			11.0
12.0	4.00	3.50	2.30		4.00	4.00	2.65	1.55	3.65	4.00	2.65		3.25	3.95			3.15	3.70			12.0
13.0	4.00	3.35			3.40	4.00	2.60	1.50	3.10	3.75	2.60	1.50	2.70	3.40	2.60		2.60	3.30			13.0
14.0		3.65	3.20		2.85	3.45	2.55	1.50	2.60	3.20	2.55	1.50	2.20	2.90	2.55	1.50	2.10	2.80	2.60	1.50	14.0
16.0					2.00	2.55	2.45	1.45	1.75	2.30	2.45	1.45	1.40	2.00	2.45	1.45		1.90	2.35	1.45	16.0
18.0					1.35	1.80	2.15	1.40	1.10	1.60	1.95	1.40		1.30	1.65	1.40			1.60	1.40	18.0
20.0					0.80	1.20	1.50	1.40		1.00	1.30	1.40				1.20					20.0
22.0						0.70	0.95	1.05				0.90									22.0
24.0																					24.0
26.0																					26.0
28.0																					28.0
30.0																					30.0
32.0																					32.0
34.0																					34.0
36.0																					36.0
38.0																					38.0
40.0																					40.0
42.0																					42.0
44.0																					44.0
46.0																					46.0
48.0																					48.0
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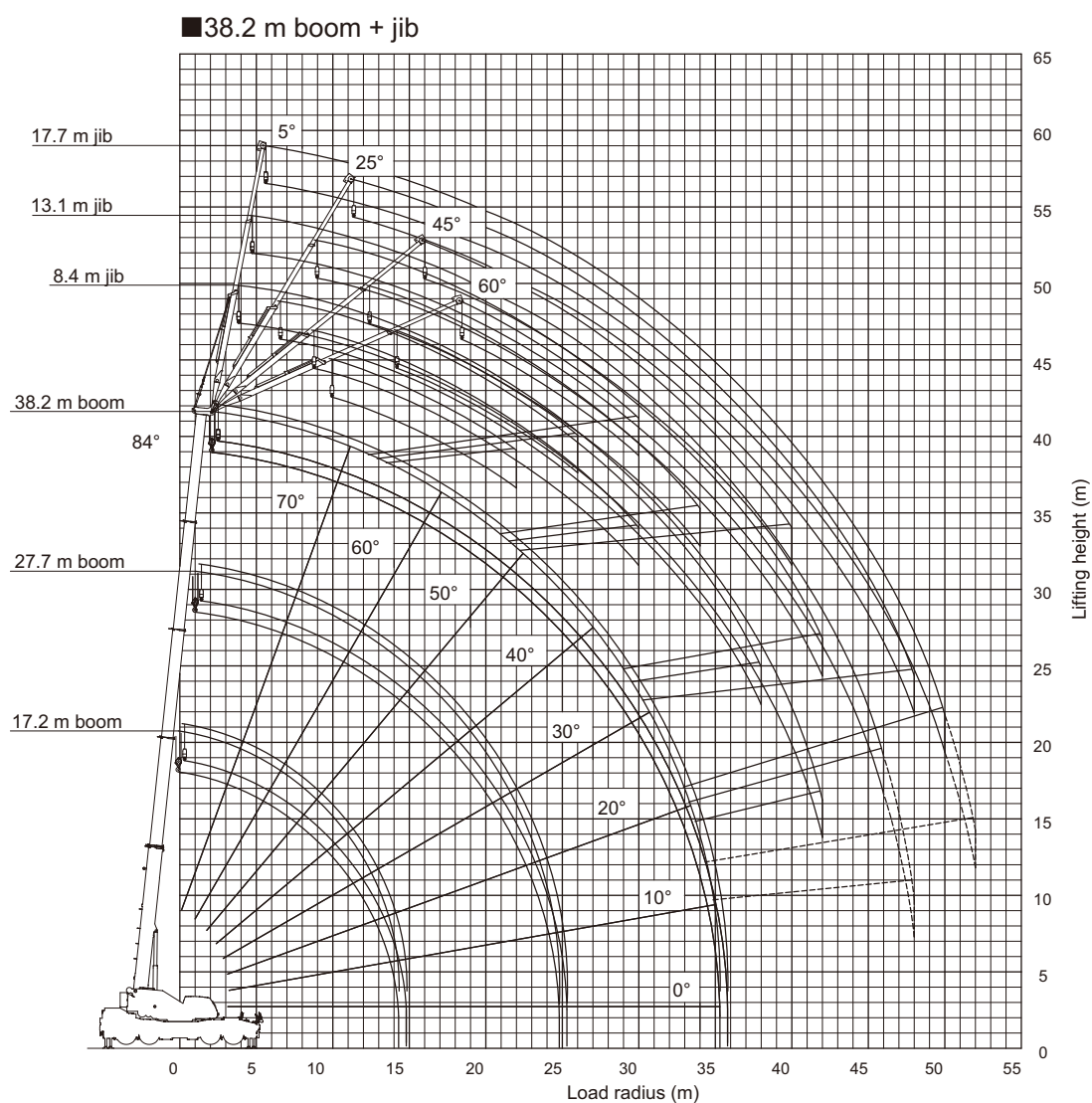
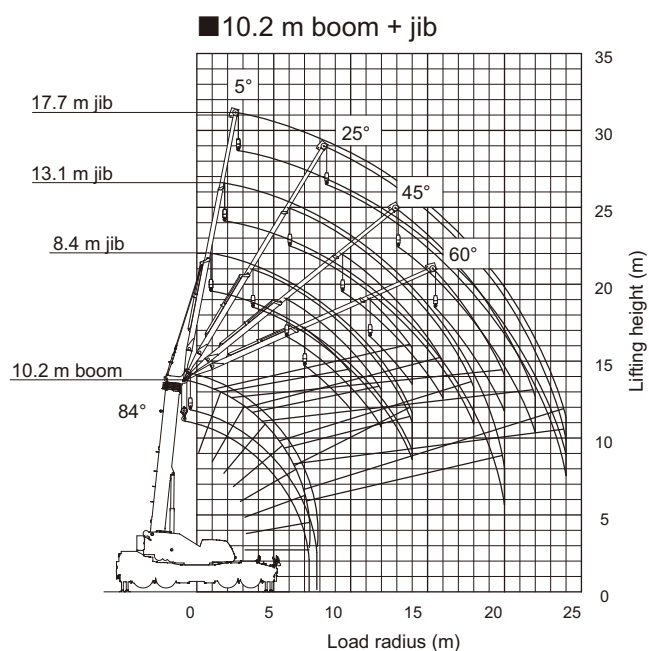
	m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m
	°	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°
2.0	2.80																					2.0
3.0	2.80																					3.0
4.0	2.80																					4.0
5.0	2.80																					5.0
6.0	2.80																					6.0
7.0	2.80	2.60																				7.0
8.0	2.80	2.45				2.80				2.80												8.0
9.0	2.80	2.30				2.80				2.80				2.80								9.0
10.0	2.65	2.20	1.75			2.80				2.80				2.80				2.65				10.0
11.0	2.50	2.10	1.65			2.80				2.80				2.80				2.65				11.0
12.0	2.35	2.00	1.55	0.90		2.80				2.80				2.75				2.60				12.0
13.0	2.25	1.95	1.50	0.85	2.80	2.20				2.80	2.20			2.70				2.55				13.0
14.0	2.10	1.85	1.45	0.85	2.80	2.15				2.75	2.15			2.60	2.15			2.50				14.0
16.0	1.95	1.75	1.35		2.40	2.05	1.55			2.15	2.05	1.55		1.80	2.05			1.70	2.05			16.0
18.0	1.80	1.65			1.75	2.00	1.50	0.80	1.50	2.00	1.50	0.80		1.20	1.90	1.50	0.80		1.85	1.50		18.0
20.0	1.70				1.20	1.80	1.40	0.80	1.00	1.60	1.45	0.80			1.30	1.45	0.80		1.25	1.45	0.80	20.0
22.0					0.75	1.30	1.35	0.75		1.10	1.35	0.75				1.30	0.75			1.25	0.75	22.0
24.0						0.85	1.20	0.75			1.05	0.75					0.75					24.0
26.0							0.80	0.75				0.75										26.0
28.0																						28.0
30.0																						30.0
32.0																						32.0
34.0																						34.0
36.0																						36.0
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	m	10.2	10.2	10.2	10.2	38.2	38.2	38.2	38.2	41.7	41.7	41.7	41.7	45.2	45.2	45.2	45.2	48.0	48.0	48.0	48.0	m	
 °	°	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	5	25	45	60	°	
 m	2.0																					2.0	
	3.0	1.50																				3.0	
	4.0	1.50																				4.0	
	5.0	1.50																				5.0	
	6.0	1.50																				6.0	
	7.0	1.50																				7.0	
	8.0	1.50				1.50																8.0	
	9.0	1.50	1.25			1.50				1.50				1.45									9.0
	10.0	1.45	1.15			1.50				1.50				1.45				1.35					10.0
	11.0	1.35	1.10			1.50				1.45				1.40				1.35					11.0
	12.0	1.25	1.05			1.45				1.45				1.40				1.35					12.0
	13.0	1.20	1.00			1.45				1.40				1.35				1.30					13.0
	14.0	1.15	0.95	0.85		1.40				1.40				1.35				1.30					14.0
	16.0	1.00	0.90	0.80	0.55	1.35	1.00			1.30	1.00			1.30	1.00			1.25	0.95				16.0
	18.0	0.95	0.85	0.75	0.50	1.30	0.95			1.25	0.95			1.25	0.95			1.20	0.95				18.0
	20.0	0.85	0.80	0.75	0.50	1.20	0.90	0.75		1.20	0.90	0.75		1.20	0.90	0.75		1.20	0.90	0.75			20.0
	22.0	0.80	0.75	0.70		1.10	0.90	0.75	0.50	0.85	0.90	0.75	0.50		0.90	0.75	0.45		0.90	0.75	0.45		22.0
	24.0	0.75	0.75			0.70	0.85	0.70	0.45		0.85	0.70	0.45	0.45		0.70	0.45	0.45		0.70	0.45	0.45	24.0
	26.0						0.85	0.70	0.45		0.75	0.70	0.45			0.70	0.45			0.70	0.45		26.0
	28.0						0.60	0.70	0.45			0.70	0.45	0.45			0.45						28.0
	30.0							0.65	0.45				0.45										30.0
	32.0																						32.0
	34.0																						34.0
	36.0																						36.0
	38.0																						38.0
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56.0																						56.0	
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		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t	5 t		

Working range chart

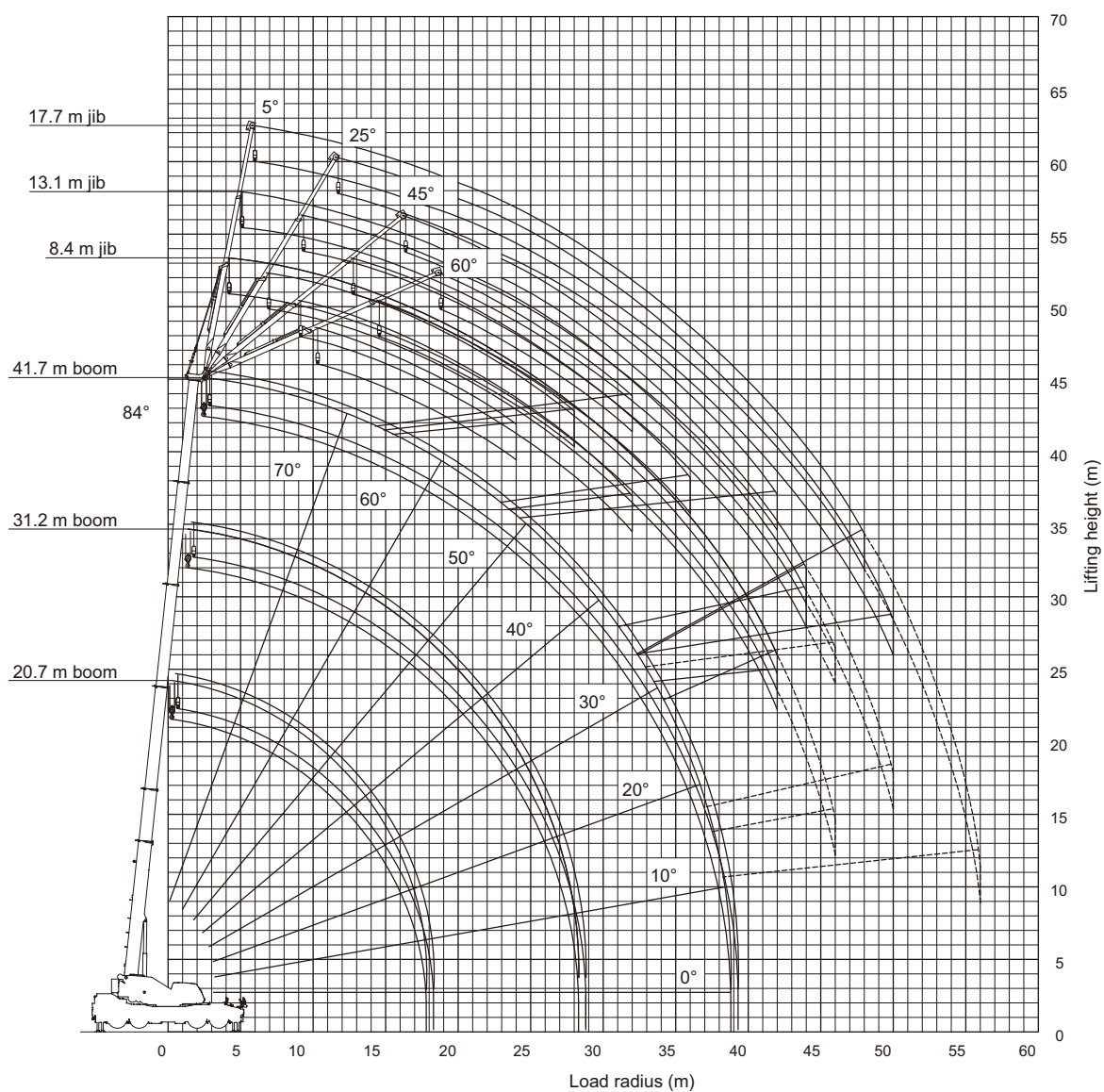
Working range chart



- Note
1. The above drawing does not include boom and jib deflection.
 2. The above drawing shows outrigger maximum (7.8 m) extension with counterweights mounted.
 3. The dotted lines in the above drawing show Smart Chart 1 capacity use.

Working range chart

■ 41.7 m boom + jib

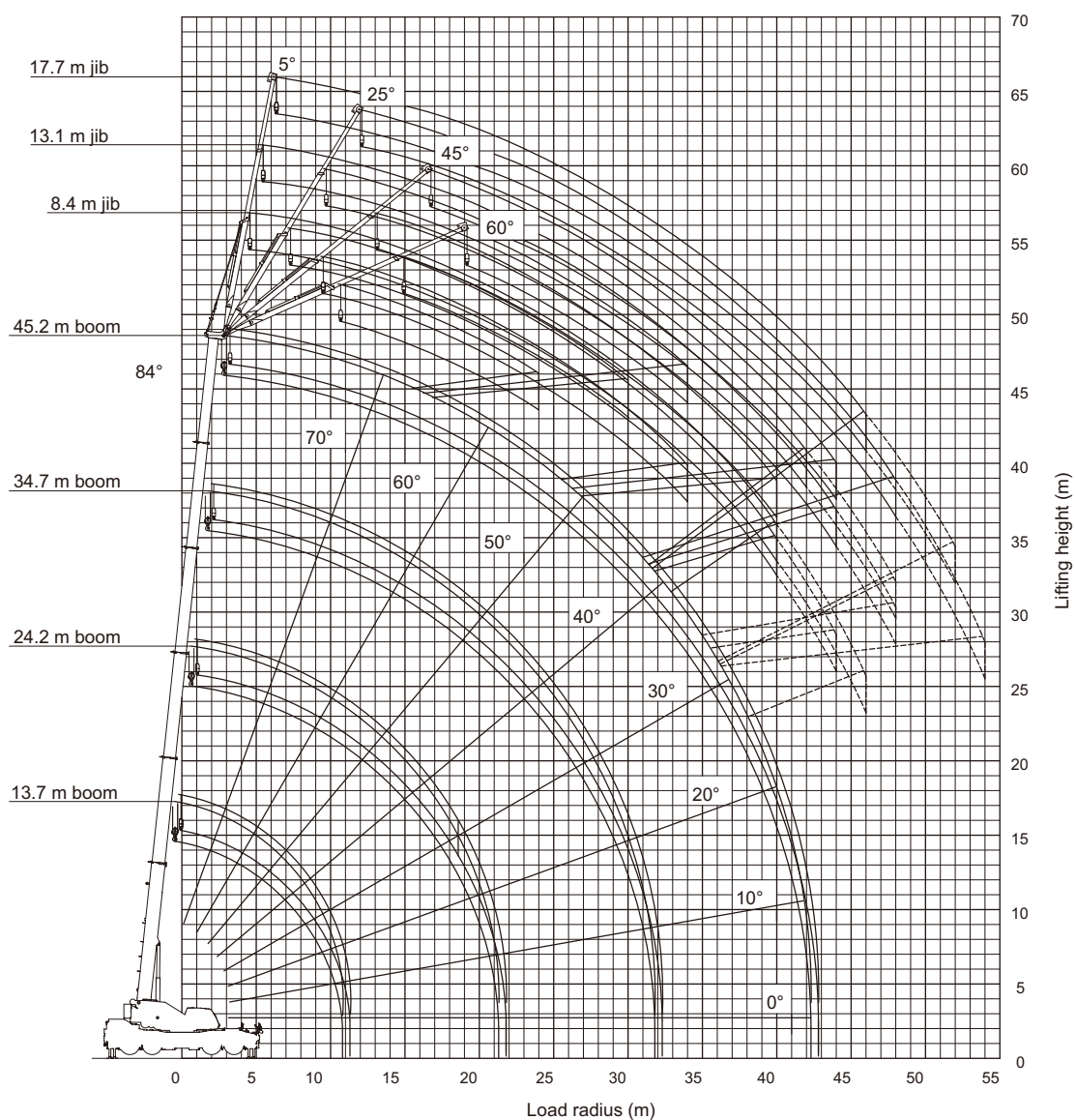


- Note 1. The above drawing does not include boom and jib deflection.
 2. The above drawing shows outrigger maximum (7.8 m) extension with counterweights mounted.
 3. The dotted lines in the above drawing show Smart Chart 1 capacity use.

Working range chart

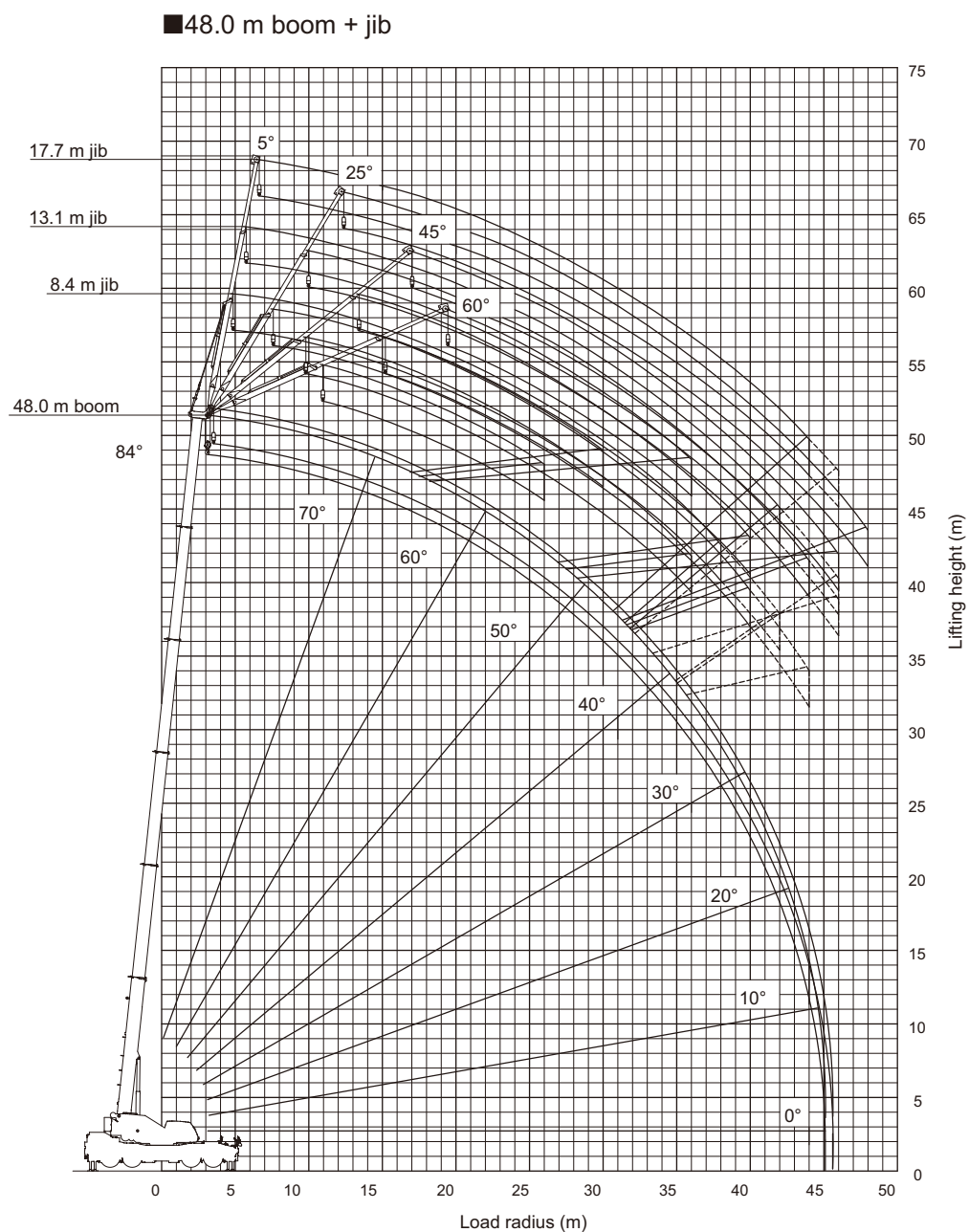
Working range chart

■ 45.2 m boom + jib



- Note
1. The above drawing does not include boom and jib deflection.
 2. The above drawing shows outrigger maximum (7.8 m) extension with counterweights mounted.
 3. The dotted lines in the above drawing show Smart Chart 1 capacity use.

Working range chart



- Note 1. The above drawing does not include boom and jib deflection.
 2. The above drawing shows outrigger maximum (7.8 m) extension with counterweights mounted.
 3. The dotted lines in the above drawing show Smart Chart 1 capacity use.

Working area

■ Working area diagram

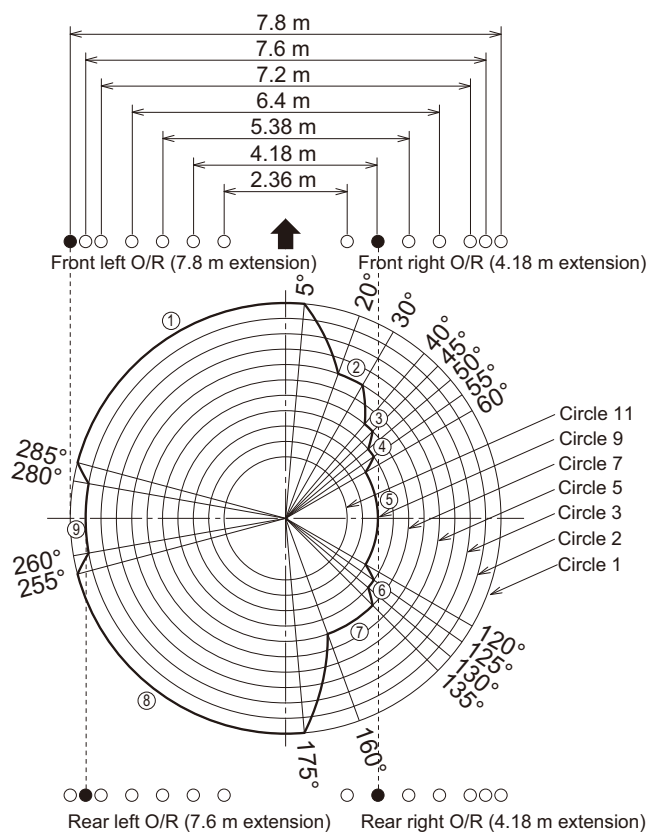
Standard capacity

The size of the circles shown in the drawing of working areas corresponds to performances as determined by outrigger extension widths. Areas are further restricted when counterweights are attached, as shown in the chart below.

	C/W mass Capacity classification	Applicable capacity (boom lift)		Applicable capacity (jib lift)	
		4 t	0 t	4 t	0 t
Circle 1	7.8 m	○	○	○	○
Circle 2	7.6 m	○	○	○	○
Circle 3	7.2 m	○	○	○	○
Circle 4	(6.8 m)	○	○	○	○
Circle 5	6.4 m	○	○	○	○
Circle 6	(6.0 m)	○	○	○	○
Circle 7	5.38 m	○	○	○	○
Circle 8	(4.8 m)	○	○	○	○
Circle 9	4.18 m	○	○	○	○
Circle 10	(3.5 m)		○		
Circle 11	2.36 m		○		

–Example–

When performing boom lift using the outrigger extension widths shown in the drawing, the capacity and range per each working area will be as listed below.



Working area ①: Maximum extension (7.8 m) capacity

Working area ②: Middle extension (6.4 m) capacity

Working area ③: Middle extension (5.38 m) capacity

Working area ④: Interpolated capacity value based on extension width of outriggers (4.8 m)

Working area ⑤: Middle extension (4.18 m) capacity

Working area ⑥: Interpolated capacity value based on extension width of outriggers (4.8 m)

Working area ⑦: Middle extension (5.38 m) capacity

Working area ⑧: Maximum extension (7.8 m) capacity

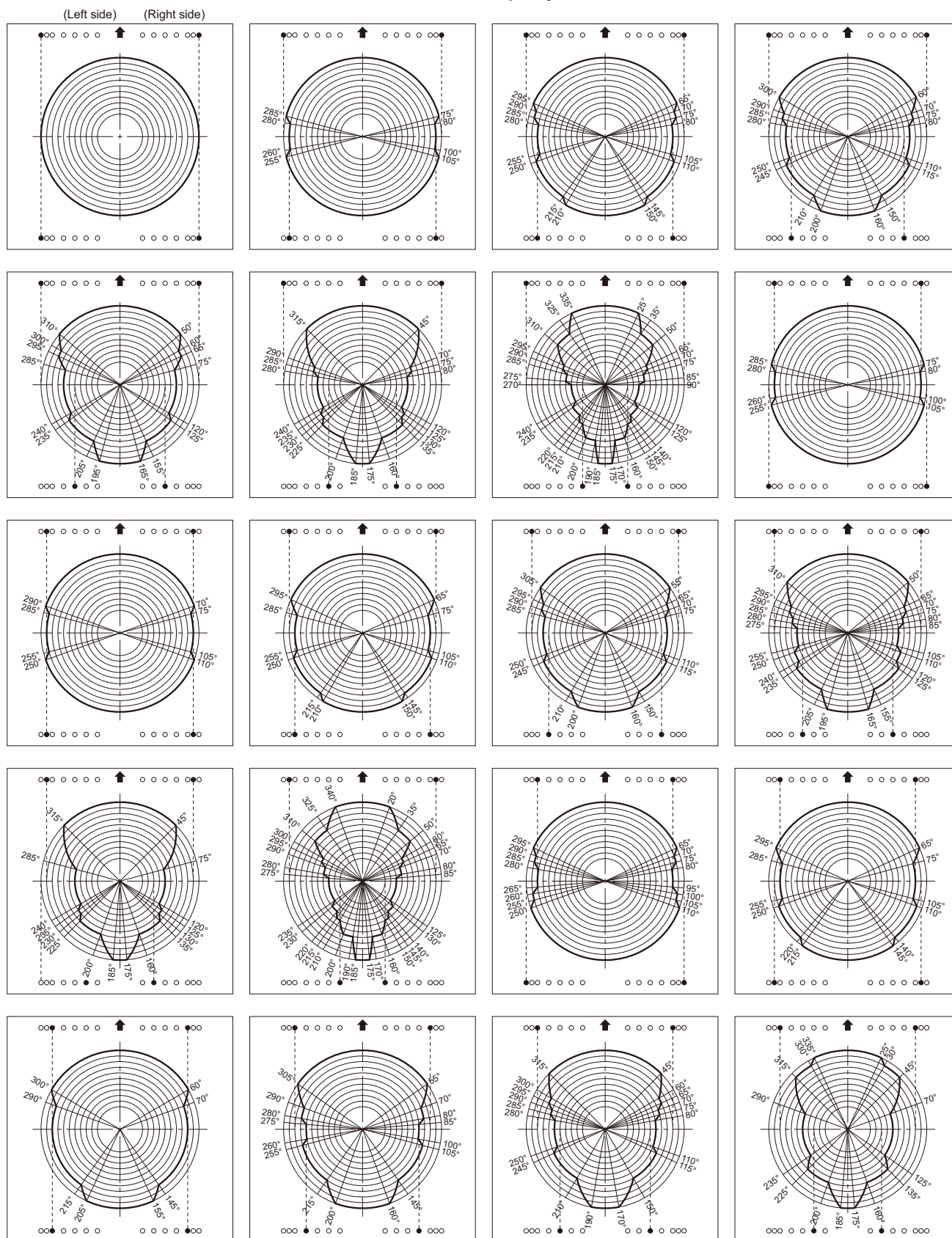
Working area ⑨: Middle extension (7.6 m) capacity

The switchover area connecting each capacity range is considered as 5°, with the increase/decrease in capacity indicated proportionally.

Working area

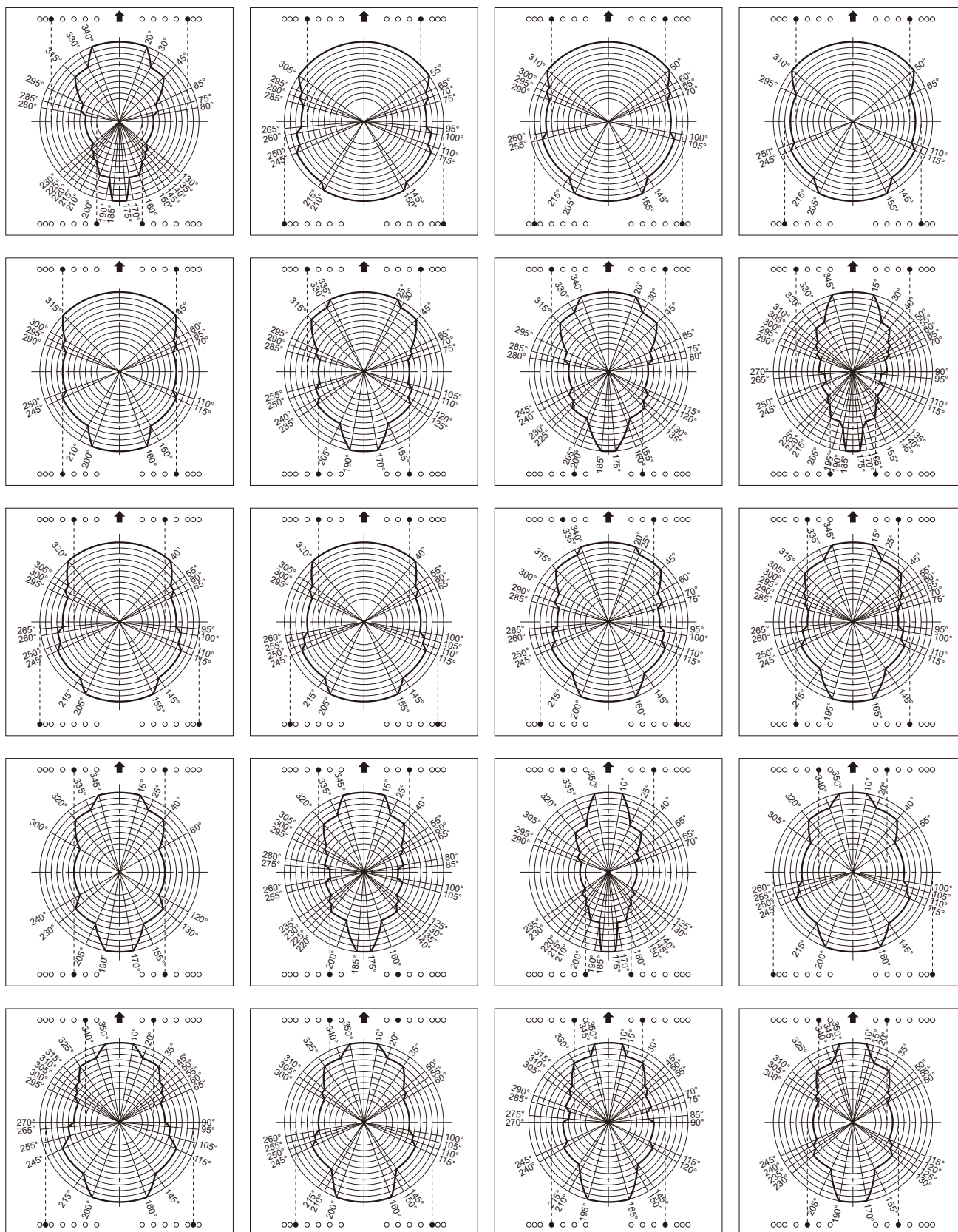
■ Working area diagram

Standard capacity



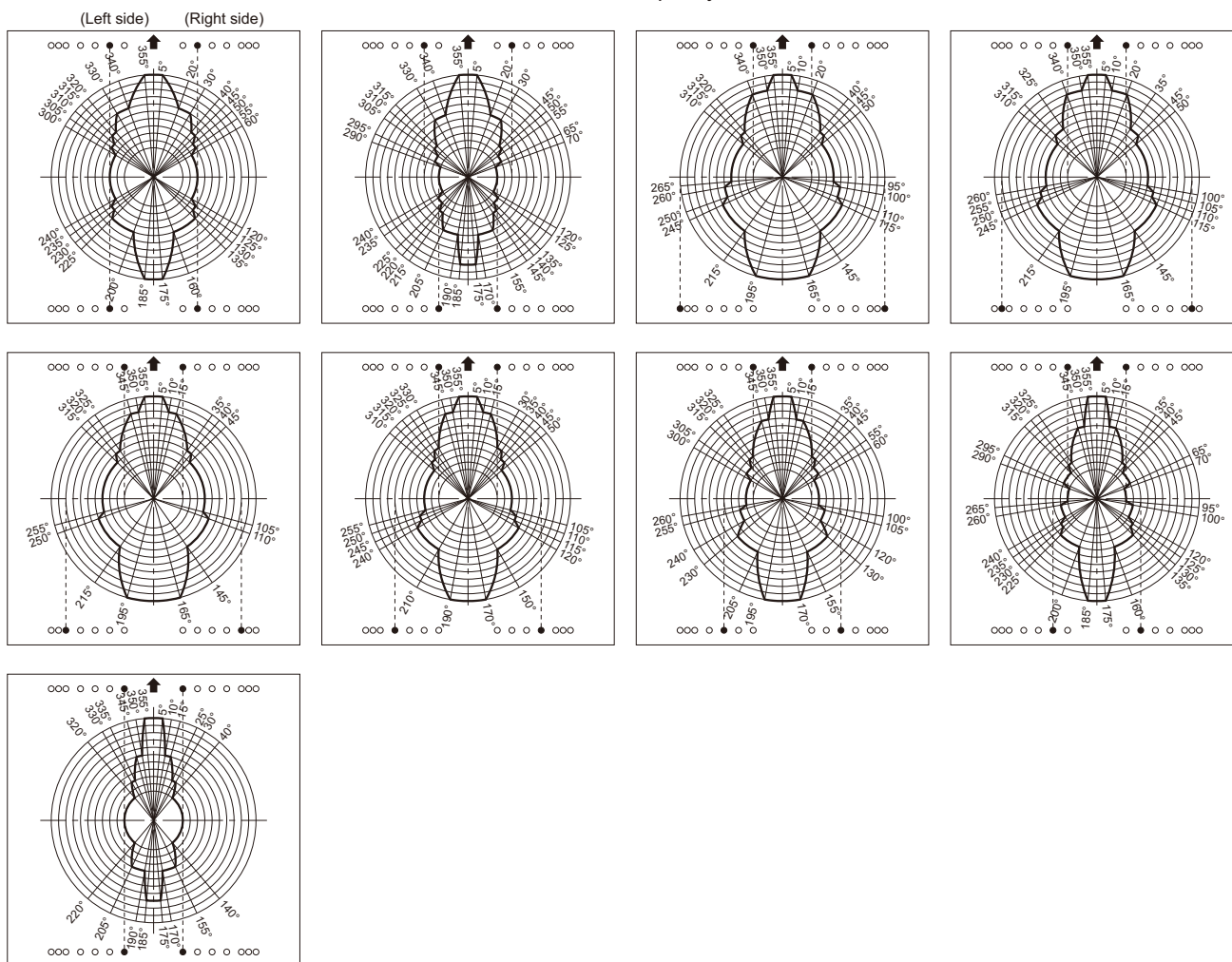
Working area

Standard capacity



Working area

Standard capacity



Working area

■ Working area diagram

Smart Chart capacity

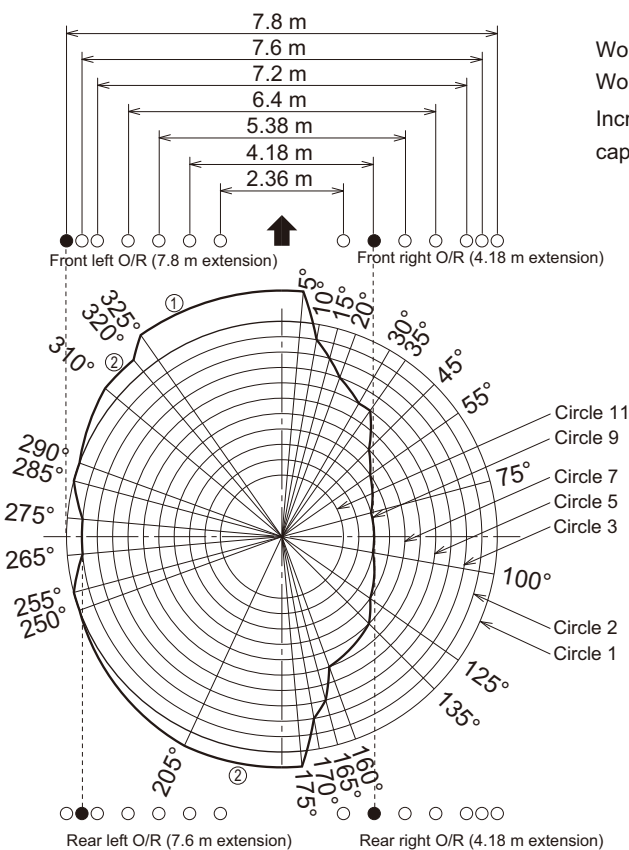
The size of the circles shown in the drawing of working areas corresponds to capacities as determined by outrigger extension widths. Areas are further restricted when counterweights are mounted, as shown in the chart below.

		Applicable capacity (boom lift)		Applicable capacity (jib lift)	
		4 t	0 t	4 t	0 t
Area ①	Smart Chart 1	○	○	○	○
Area ②	Smart Chart 2	○	○	○	○
Circle 1	7.8 m	○	○	○	○
Circle 2	7.6 m	○	○	○	○
Circle 3	7.2 m	○	○	○	○
Circle 4	(6.8 m)	○	○	○	○
Circle 5	6.4 m	○	○	○	○
Circle 6	(6.0 m)	○	○	○	○
Circle 7	5.38 m	○	○	○	○
Circle 8	(4.8 m)	○	○	○	○
Circle 9	4.18 m	○	○	○	○
Circle 10	(3.5 m)		○		
Circle 11	2.36 m		○		

–Example–

When performing boom lift using the outrigger extension widths shown in the drawing, the capacity and range per each working area will be as listed below.

Smart Chart capacity comprises Smart Chart 1 capacity, which is determined according to front stability, and Smart Chart 2 capacity, which is determined according to rear stability. Furthermore, changes in capacities are interpolated proportionally.



Working area ① : Smart Chart 1 capacity

Working area ② : Smart Chart 2 capacity

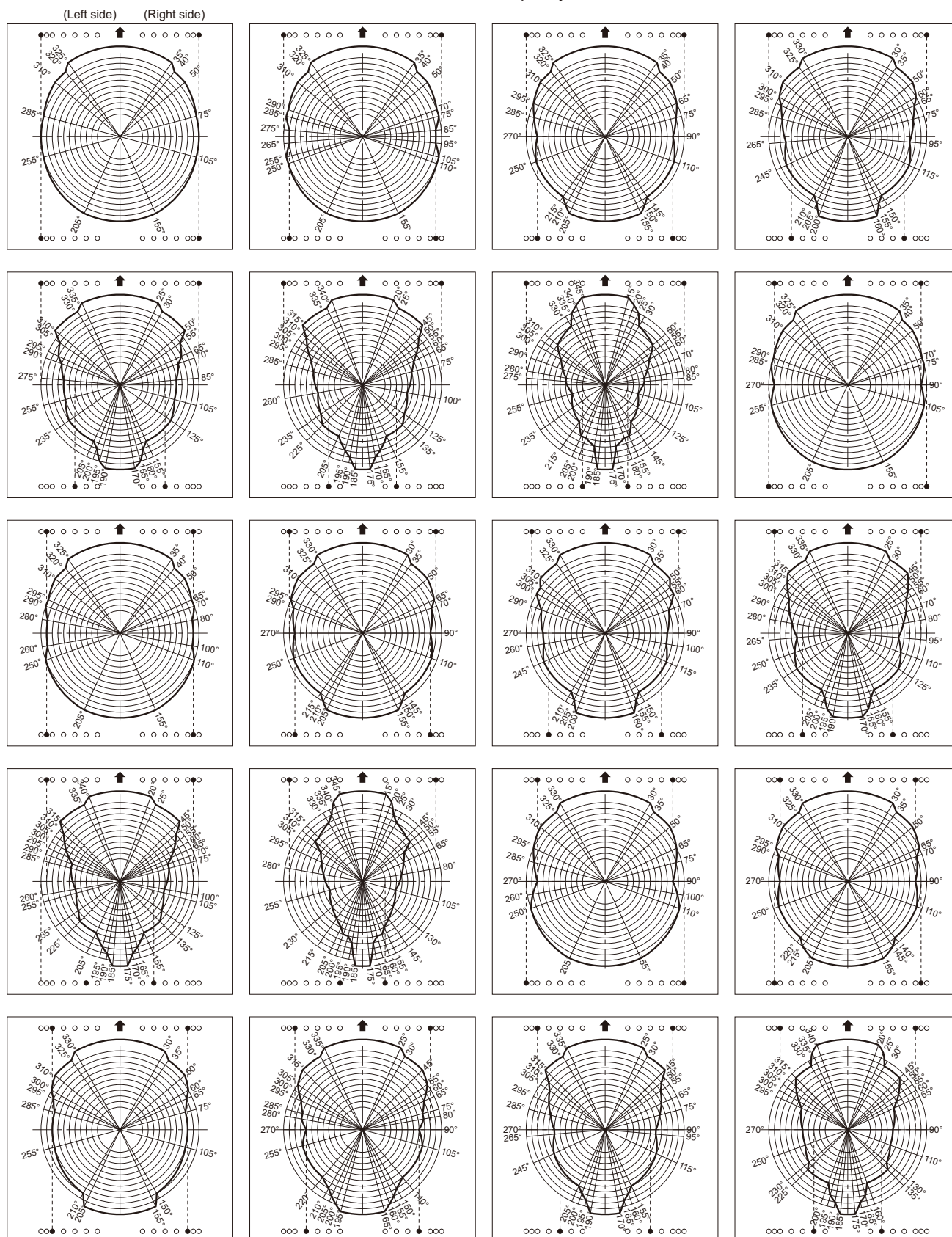
Increases/decreases for switchover areas connecting each capacity range are indicated proportionally.

Working area

■ Working area diagram



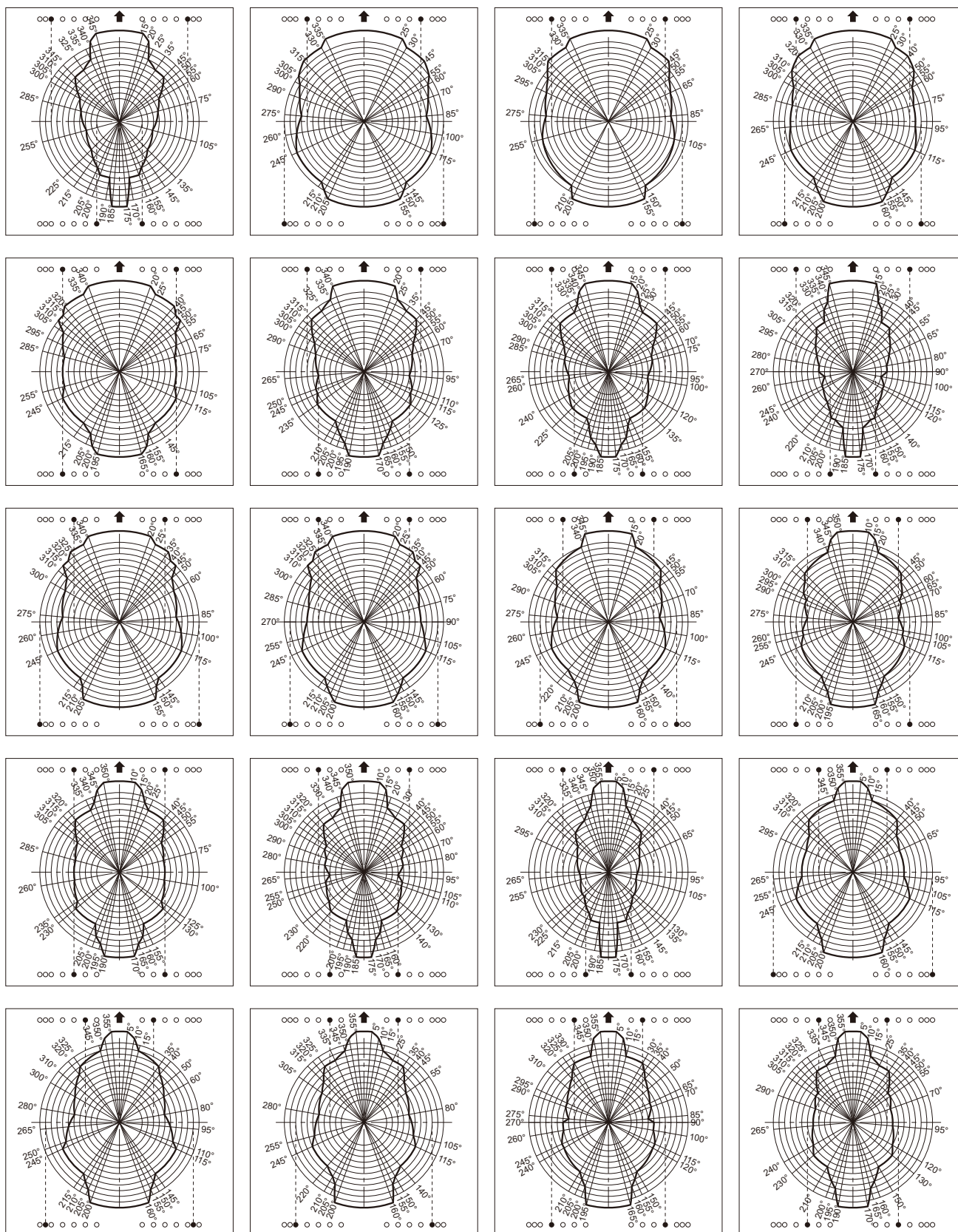
Smart Chart capacity



Working area



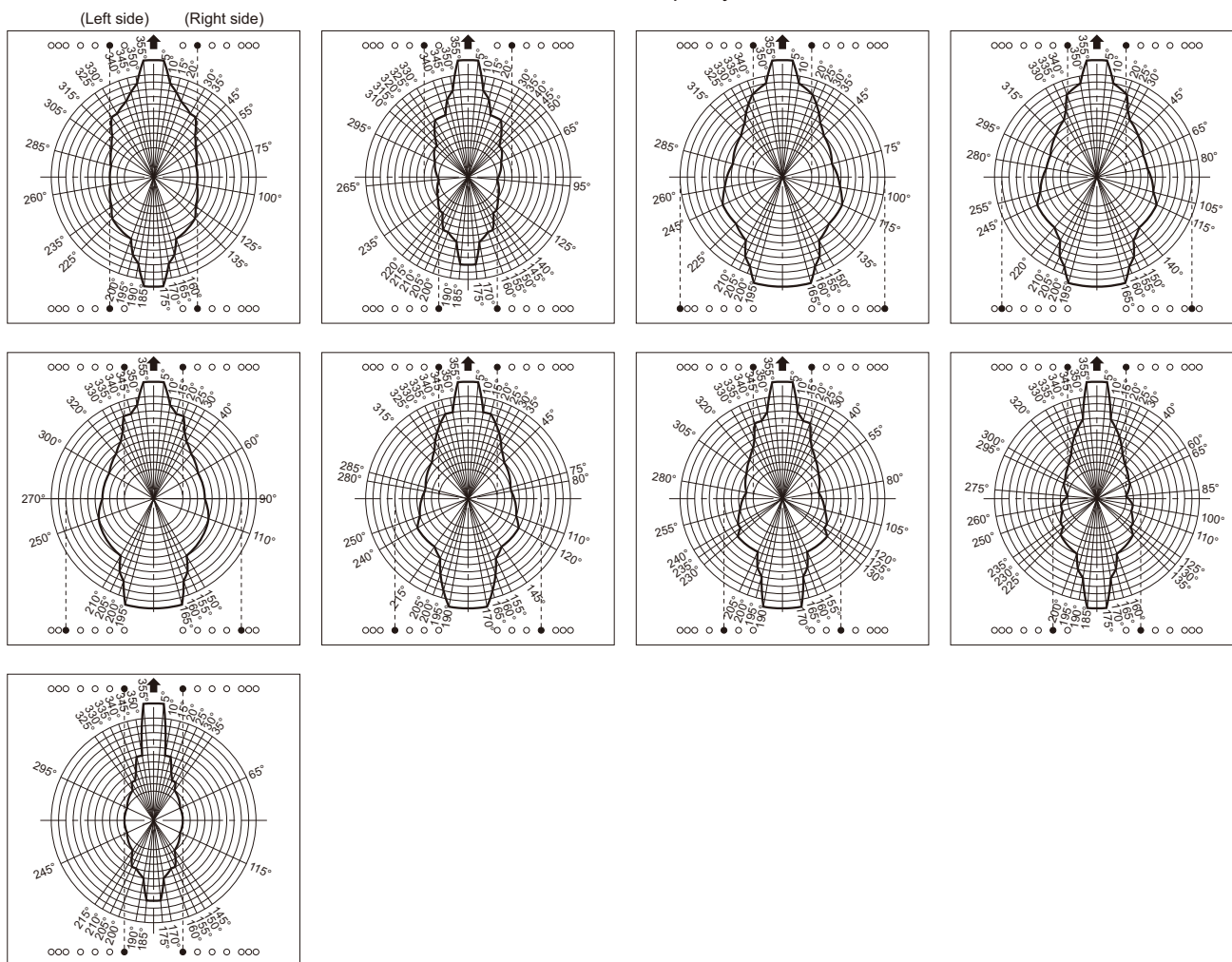
Smart Chart capacity



Working area



Smart Chart capacity



MEMO

MEMO



Note: Due to improvements, specs for delivered products may differ slightly from those listed here.

GR-1000N-1-00101 Boom + full automatic jib (FAJ)

1905-01-02 ■ ■ ■ ■