

Specifications are subject to change without notice. Specification effects on S/No. RA1164 and after.

CRANE SPECIFICATIONS

BOOM

5 section full power partially synchronized telescoping boom of round box construction with 7 sheaves at boom head. The synchronization system consists of 2 telescope cylinders, extension cables and retraction cables. Hydraulic cylinder fitted with holding valve. 2 easily removable wire rope guards, rope dead end provided on both sides of boom head. Boom telescope sections are supported by wear pads both vertically and horizontally.

Fully retracted length...... 12.8 m Fully extended length 51.0 m Extension speed...... 38.2 m in 170 s Root diameter..... 0.44 m

BOOM ELEVATION

By a double acting hydraulic cylinder with holding valve. Combination controls for hand or foot operation. Boom angle indicator.

Automatic speed reduction and slow stop function. Boom angle -1.5°- 80.5° Boom raising speed 20° to 60° in 46 s

JIB (option)

2 stage swing around boom extension with triple offset (tilt type). Single sheave at jib head.

Stows alongside base boom section.

Length	10.1 m, 17.7 m
Offset	3.5°, 25°, 45°
Root diameter	0.396 m

AUXILIARY LIFTING SHEAVE (SINGLE TOP)

Single sheave mounted to main boom head for single line work(stowable).

Root diameter..... 0.396 m

ANTI-TWO-BLOCK DEVICE

Pendant type over-winding cut out device with audio-visual (FAILURE lamp/BUZZER) warning system.

SLEWING

Hydraulic axial piston motor driven through planetary slewing speed reducer. Continuous 360° full circle slewing on ball bearing.

Equipped with manually locked/released slewing brake. A positive slewing lock for pick and carry and travel modes, manually engaged in cab. Twin slewing system : Free slewing or lock slewing controlled by selector switch on front console. Slewing speed 1.5 min⁻¹ {rpm}

WINCH

MAIN WINCH

Variable speed type with grooved drum driven by hydraulic axial piston motor through speed reducer. Power load lowering and raising.

Equipped with automatic brake (neutral brake) and counterbalance valve. Controlled independently of auxiliary winch. Equipped with cable follower and drum rotation indicator.

MAIN DRUM

Root diameter x wide	. 0.362 m x 0.681 m
Wire rope diameter x length	19 mm x 285 m
Drum capacity	346 m, 7 layers
Maximum single line pull (1st layer)	89.1 kN (9,090 kgf)
Maximum permissible linepull wire strength	64.7 kN (6,600 kgf)

AUXILIARY WINCH

Variable speed type with grooved drum driven by hydraulic axial piston motor through speed reducer. Power load lowering and raising.

Equipped with automatic brake (neutral brake) and counterbalance valve. Controlled independently of main winch. Equipped with cable follower and drum rotation indicator.

AUXILIARY DRUM

Root diameter x wide	0.362 m x 0.681 m
Wire rope diameter x length	19 mm x 147 m
Drum capacity	346 m, 7 layers
Maximum single line pull (1st layer)	89.1 kN (9,090 kgf)
Maximum permissible linepull wire strength	64.7 kN (6,600 kgf)

WIRE ROPE

Non-rotating wire (no-spin), extra improved plow steel, preformed, independent wire rope core, right regular lay. Main & Auxillary 19 mm

HOOK BLOCKS

100 ton (option)

7 sheaves with swivel hook and safety latch

50 ton (option)

- 5 sheaves with swivel hook and safety latch
- 35 ton (option) 3 sheaves with swivel hook and safety latch
- 6.6 ton
- Weighted hook with swivel and safety latch

COUNTERWEIGHT

Self-removable counterweight 11,200 kg

HYDRAULIC SYSTEM

PUMPS

2 variable piston pumps for crane functions. Tandem gear pump for steering, slewing and other hydraulic

systems. Powered by carrier engine. Pump disconnect for crane is

engaged/disengaged by rotary switch from operator's cab.

CONTROL VALVES

Multiple valves actuated by pilot pressure with integral pressure relief valves.

RESERVOIR

795 liters capacity. External sight level gauge.

FILTRATION

BETA10=10 return filter, full flow with bypass protection, located inside of hydraulic reservoir. Accessible for easy replacement.

OIL COOLER - Air cooled fan type.

CAB AND CONTROLS

Both crane and drive operations can be performed from one cab mounted on rotating superstructure.

20° tilt, left side, 1 man type, steel construction with sliding door access and safety glass windows opening at side. Door window is powered control. Windshield glass window and roof glass window are shatter-resistant. Wiper and washer (front windshield and roof window). Tinted safety glass and sun visor. Tilt-telescoping steering wheel. Adjustable control lever stands for slewing, boom elevating, boom telescoping, auxiliary winch and main winch. Control lever stands can change neutral positions and tilt for easy access to cab. Foot operated controls: boom elevating, boom telescoping, service brake and engine throttle. 3 way adjustable operator's seat with high back, headrest and armrest. Cab floor mat. Engine throttle knob. Hot water cab heater and air conditioning.

Dash-mounted Instrument panel, Multifunction Display, Starter switch (engine start / stop), 12 V power outlet, USB port, drive selector switch, parking brake switch, steering mode select switch, power window switch, pump engaged/disengaged switch, slewing brake switch, boom telescoping/auxiliary winch select switch, outrigger control panel, free slewing/lock slewing selector switch and air conditioning control swich.

Instruments panel - Torque converter oil temperature, engine water temperature, air pressure, fuel, speedometer, tachometer, hour meter and odometer/tripmeter.

Multi function display - Fuel consumption monitor.

CRANE SPECIFICATIONS

TADANO Automatic Moment Limiter (AML-E2) including:

- Control lever lockout function with audible and visual pre-warning
- Number of parts of line
- · Boom position indicator
- Outrigger state indicator
- Slewing angle
- Boom angle / boom length / jib offset angle / jib length / load radius / rated lifting capacities / actual loads read out
- Potential lifting height
- Ratio of actual load moment to rated load moment indication
- Permissible load
- Automatic Speed Reduction and Slow Stop function on boom elevation and slewing
- Working condition register switch
- Load radius / boom angle / tip height / slewing range preset function
- External warning lamp
- Tare function
- Main hydraulic oil pressure

CARRIER SPECIFICATIONS

TYPE

Rear engine, left-hand drive, driving axle 2-way selected type by manual switch, 4x2 front drive, 4x4 front and rear drive.

FRAME

High tensile steel, all welded mono-box construction.

ENGINE

Model	MITSUBISHI 6M60-TLU3R
	[ECE-R96-02]
Туре	Direct injection diesel
No. of cylinders	6
Combustion	4 cycle, turbo charged and after cooled
Bore x Stroke, mm	118 x 115
Displacement, liters	7.54
Air inlet heater	24 volt preheat
Air cleaner	Dry type, replaceable element
Oil filter	Full flow with replaceable element
Fuel filter	Full flow with replaceable element
Fuel tank, liters	300, right side of carrier
Cooling	Liquid pressurized, recirculating by-pass
Radiator	Fin and tube core, thermostat controlled
Fan, mm	Suction type, 6-blade, 600 dia.
Starting	24 volt
Charging	24 volt system, negative ground
Battery	2-120 amp. Hour
Compressor, air, I /min	830 at 2,600 min ⁻¹
Output, Max. kW (HP)	Gross 200 (267) at 2,600 min ⁻¹
Torque, Max. N•m	785 at 1,400 min ⁻¹
Capacity, liters	
Cooling water	13
Lubrication	13–15
Fuel	300

TRANSMISSION

Electronically controlled full automatic transmission. Torque converter driving full powershift with driving axle selector. 6 forward and 2 reverse speeds, constant mesh.

3 speeds - high range - 2-wheel drive; 4-wheel drive 3 speeds - low range - 4-wheel drive

TRAVEL SPEED - 36 km/h

GRADEABILITY (tan θ) - 85% (at stall), 30%*

* Machine should be operated within the limit of engine crankcase design (17°: MITSUBISHI 6M60-TLU3R)

- Fuel consumption monitor
- Main winch / auxiliarly winch select
- Drum rotation indicator (visible type) main and auxiliary winch
- On-rubber indicator

TADANO AML-E2 monitors outrigger extended length and automatically programs the corresponding "RATED LIFTING CAPACITIES" table

Operator's right hand console includes transmission gear selector, slewing lock lever and sight level bubble.

Upper right console includes roof washer and wiper switch, emergency outrigger set up key switch, jib status switch (option), high speed winch (main / aux) switch, cab tilt switch, automatic pump disconnect enable switch, boom emergency telescoping switch (2nd and 3rd-top)

NOTE: Each crane motion speed is based on unladen conditions.

AXLE

Front: Full floating type, steering and driving axle with planetary reduction.

Rear: Full floating type, steering and driving axle with planetary reduction and non-spin rear differential.

STEERING

Hydraulic power steering controlled by steering wheel. 4 steering modes available: 2 wheel front, 2 wheel rear, 4 wheel coordinated and 4 wheel crab.

SUSPENSION

Front: Rigid mounted to the frame. Rear: Pivot mounted with hydraulic lockout device.

BRAKE SYSTEMS

Service: Air over hydraulic disc brakes on all 4 wheels. Parking/Emergency: Spring applied-air released brake acting on input shaft of front axle. Auxiliary: Electro-pneumatic operated exhaust brake.

TIRES - 29.5-25 36PR (OR) Air pressure: 470 kPa 29.5-25 40PR (OR) Air pressure: 465 kPa

OUTRIGGERS

4 hydraulic, beam and jack outriggers. Vertical jack cylinders equipped with integral holding valve. Each outrigger beam and jack is controlled independently from cab. Beams extend to 7.3 m center-line and retract to within 3.315 m overall width with floats. Outrigger jack floats are attached thus eliminating the need of manually attaching and detaching them. Controls and sight bubble located in superstructure cab. 4 outrigger extension lengths are provided with corresponding "RATED LIFTING CAPACITIES" for crane duty in confined areas. Min. Extension 2.7 m center to center

Min. Extension	2.7 m center to center
Mid. Extension	5.5 m center to center
Mid. Extension	6.7 m center to center
Max. Extension	7.3 m center to center
Float size (Diameter)	0.6 m

STANDARD EQUIPMENT

- Telematics (machine data logging and monitoring system) with - HELLO-NET via internet (availability depends on countries)
- Eco mode system
- Positive control
- Over unwinding prevention
- Emergency steering system
- Transmission neutral position engine start
- Overshift prevention
- Parking braked travel warning
- Tilt-telescope steering wheel
- Halogen head lamp
- Fenders
- Battery disconnect
- 20° tilt cab
- Cup holder
- 12 V power outlet
- LED working lights

OPTIONAL EQUIPMENT

- JIB (10.1m or 17.7m 2 stage swing around boom extension)
- Preparation for JIB (storage and programming)
- Hook block-100 t capacity
- (7 sheaves, swivel type with safty latch. Mass: approx. 750 kg) - Hook block-50 t capacity
- (5 sheaves, swivel type with safty latch. Mass: approx. 500 kg) - Hook block-35 t capacity
- (3 sheaves, swivel type with safty latch. Mass: approx. 450 kg)

HOISTING PERFORMANCE

LINE SPEEDS AND PULLS

	Main or auxiliary winch - 0.362 m drum							
Lover	Line s	peeds ¹	Line pulls Available ²					
Layer	m/ı	min	kN	(kgf)				
	Low	High	Low	High				
1st	84	118	89.1 (9,090)	63.9 (6,520)				
2nd	92	128	80.7 (8,230)	57.8 (5,900)				
3rd	99	139	73.7 (7,520)	52.8 (5,390)				
4th	107	149	67.8 (6,920)	48.6 (4,960)				
5th	115	160	62.8 (6,410)	45.1 (4,600)				
6th	122	170	58.5 (5,970)	41.9 (4,280)				
7th ³	130	181	54.8 (5,590)	39.3 (4,010)				

- Maximum permissible line pull wire strength. Main & Auxiliary: 64.7 kN (6,600 kgf).
- ¹ Line speed based only on hook block, not loaded.
- ² Developed by machinery with each layer of wire rope, but not based on rope strength or other limitations in machinery or equipment.
- ³ Seventh layer of wire rope are not recommended for hoisting operations.

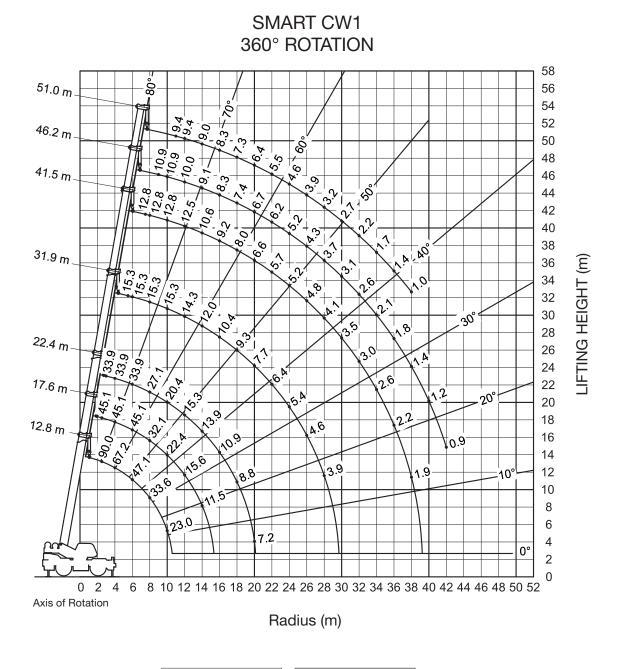
- USB port
- Air dryer
 Water separator with filter (high filtration)
- Air cleaner dust indicator
- Full instrumentation package
- Complete highway light package
- Tire inflation kit
- Towing hooks-Front and rear
- Lifting eyes
- Hook block tie down (front bumper)
- Weighted hook storage compartment
- Winch drum camera with light
- Tool storage compartment
- Automatic pump disconnect
- Self-removable counterweight
- Hook block-6.6t capacity
- (Weighted hook, swivel type with safety latch. Mass: approx. 165 kg)
- Heavy-duty lift device (used at lifting more than 82 t)
- Wind speed indicator
- Air craft warning light
- Beacon lamp
- Radiator cover
- Outriger control box
- Air heater
- Engine coolant heater

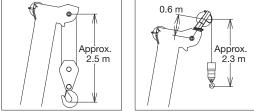
DRUM WIRE ROPE CAPACITIES

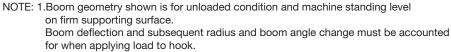
	Main and auxiliary drum grooved lagging							
Wire	19 mm wire rope							
rope	Rope per layer	Total wire rope						
layer	m	m						
1	39.0	39.0						
2	42.5	81.5						
3	46.0	127.5						
4	49.4	176.9						
5	53.0	229.9						
6	56.5	286.4						
7	60.0	346.4						

DRUM DIMENSIONS

Root diameter	362 mm
Length	681 mm
Flange diameter	657 mm

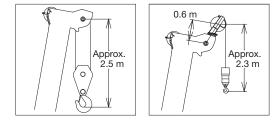






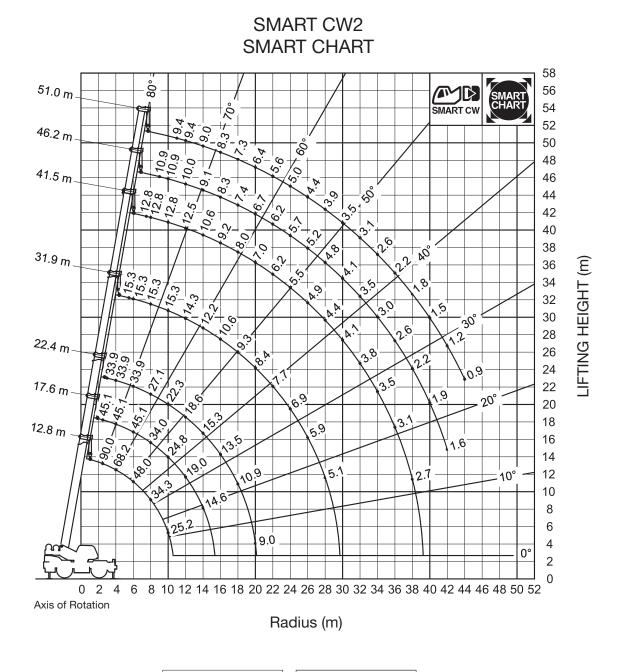
2. When boom length is same as telescoping mode 1 and 2, it show large load.

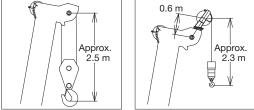
SMART CW2 360° ROTATION 58 51.0 m °08 56 MD °° 54 SMART CW A 52 A |/ ო 46.2 m တ်တ 0.6 . С. , 50 6.4 00' ၀၀ 6 48 0 10. 0 5 41.5 m. 0 46 V ¢ A ŝ ထဲ့တ \$ 44 8 NN $\hat{}$ 9 Ś 42 6 N 2.2 ശ 8 0 40 8 6 °0 9 0 38 NO. ~ ~ 31.9 m 5 LIFTING HEIGHT (m) 36 15.3 15.3 15.3 r 34 J Q 15.3 14.3 °. r 32 0.9 0 3 Ń ~<u>}</u>0° 30 N' +0 <u>ى</u>،9 9 28 22.4 m 9 26 <u>,</u>0 .6 ኅ 6.0 24 3 2.8 റ 17.6 m 22 ري. م 5.1 3 20° 20 A.A 18 2 12.8 m A.9 16 -08⁻ 1.1 6 14 ^{ر6.5} C 9 Δ. 12 2 ′10° 9 10 12.0 8 23.8 6 7.5 4 0° 2 0 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 2 4 0 Axis of Rotation Radius (m)



NOTE: 1.Boom geometry shown is for unloaded condition and machine standing level on firm supporting surface. Boom deflection and subsequent radius and boom angle change must be accounted for when applying load to hook.

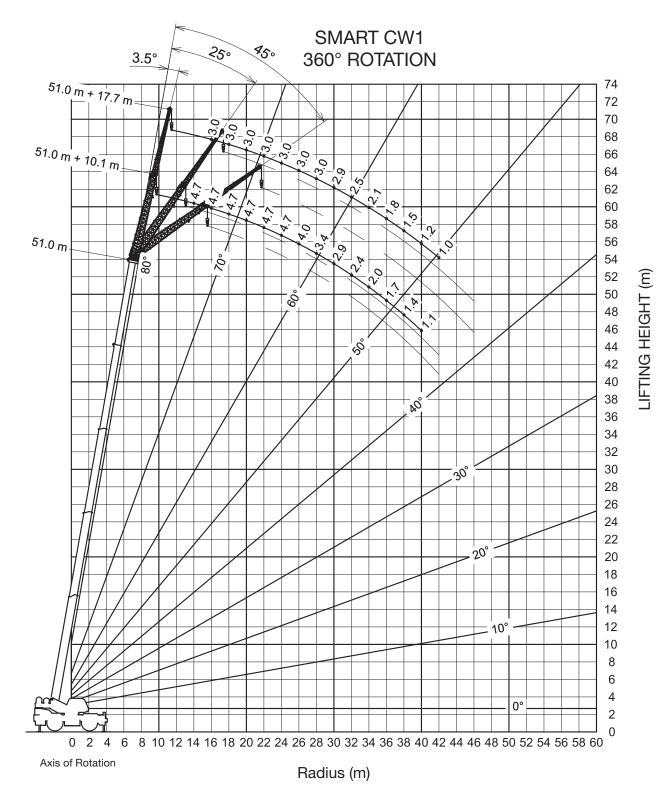
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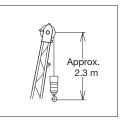
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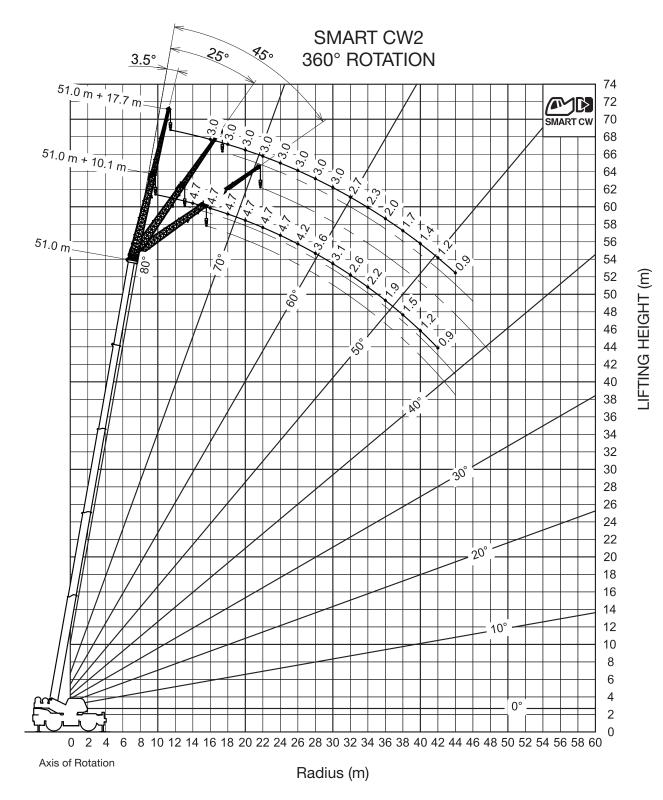
2. When boom length is same as telescoping mode 1 and 2, it show large load.



NOTE: 1.Jib geometry shown are for unloaded condition and machine standing level on firm supporting surface.

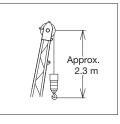
Boom deflection and subsequent radius and boom angle change must be accounted for when applying load to hook.

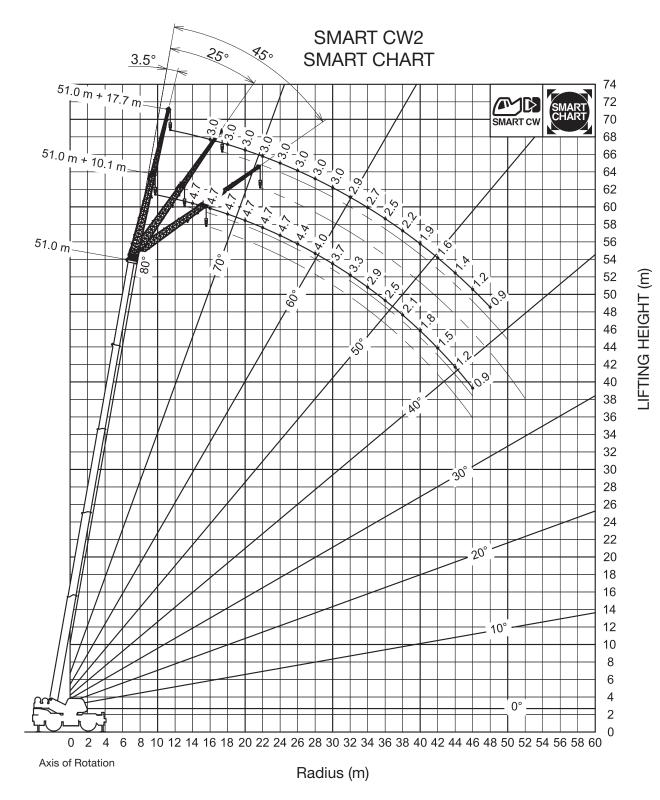




NOTE: 1.Jib geometry shown are for unloaded condition and machine standing level on firm supporting surface.

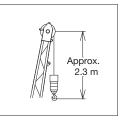
Boom deflection and subsequent radius and boom angle change must be accounted for when applying load to hook.





NOTE: 1.Jib geometry shown are for unloaded condition and machine standing level on firm supporting surface.

Boom deflection and subsequent radius and boom angle change must be accounted for when applying load to hook.



		ON O		360° ROTA	TENDED 7. ATION	3 m SPREA	D			
A	12.8 Over front 360°	17.6	22	2.4	31.9		41.5		46.2	51.0
2.5	100.0 ★ 90.0 ★	45.10								
3.0	83.00 ★	45.10	33.90	15.30						
3.5	74.40	45.10	33.90	15.30						
4.0	67.20	45.10	33.90	15.30						
4.5	61.10	45.10	33.90	15.30						
5.0	55.90	45.10	33.90	15.30						
5.5	51.30	45.10	33.90	15.30	15.30	12.50				
6.0	47.10	45.10	33.90	15.30	15.30	12.50				
6.5	42.90	42.60	32.00	15.30	15.30	12.50				
7.0	39.30	39.10	30.20	15.30	15.30	12.50				
7.5	36.30	35.60	28.60	15.30	15.30	12.50	12.80	12.40		
8.0	33.60	32.10	27.10	15.30	15.30	12.50	12.80	12.40		
9.0	28.20	26.60	24.10	15.30	15.30	12.50	12.80	11.90	10.90	
10.0	23.00	22.40	20.40	15.30	15.30	12.50	12.80	11.20	10.90	
11.0		18.60	17.50	15.30	15.30	12.50	12.80	10.60	10.50	9.40
12.0		15.60	15.20	15.30	14.30	12.50	12.50	9.90	10.00	9.40
14.0		11.50	11.10	13.90	12.00	11.70	10.60	8.60	9.10	9.00
16.0			8.20	10.90	9.70	10.40	9.20	7.70	8.30	8.30
18.0			6.20	8.80	7.60	9.30	8.00	6.90	7.40	7.30
20.0			4.70	7.20	6.10	7.70	6.60	6.20	6.70	6.40
22.0					4.80	6.40	5.40	5.70	6.20	5.50
24.0					3.80	5.40	4.40	5.20	5.20	4.60
26.0					3.00	4.60	3.60	4.80	4.30	3.90
28.0					2.40	3.90	2.90	4.10	3.70	3.20
30.0							2.40	3.50	3.10	2.70
32.0							1.90	3.00	2.60	2.20
34.0							1.40	2.60	2.10	1.70
36.0							1.10	2.20	1.80	1.40
38.0								1.90	1.40	1.00
40.0									1.20	
42.0									0.90	
D		C)°		12°	0°	21°	0°	21°	41°
			TELESC		NDITIONS					
Telescoping mode	1, 2	1	1	2	1	2	1	2	2	1, 2
2nd Boom	0	50	100	0	100	0	100	0	50	100
3rd Boom	0	0	0	33	33	67	67	100	100	100
4th Boom	0	0	0	33	33	67	67	100	100	100
Top Boom	0	0	0	33	33	67	67	100	100	100
			00	UNTERWEI	GHT 11 2 t					

COUNTERWEIGHT 11.2 t ON OUTRIGGERS FULLY EXTENDED 7.3 m SPREAD									
360° ROTATION SMART CW1 (Unit: × 1,000 kg)									
Δ	12.8	17.6	22.4	22.4		31.9	41.5		
С	В	В	В	В	В		В		
0° 10.7 8.9 15.5 4.9 20.2 2.1 20.2 4.3 29.6 2.2 38.7 1.4									
Telescoping mode 1,2 1 1 2 2 2									

★ With attachment sheaves A: Boom length (m)

B: Load radius (m)

C: Loaded boom angle (°) D: Minimum boom angle (°) for indicated length (no load)

SMART CW		ON O		UNTERWEI 6 FULLY EX 360° ROT/ SMART (TENDED 7. ATION	3 m SPREA	D		(Unit: ×	1,000 kg)
В	12.8 Over front 360°	17.6	22	2.4	31.9		41.5		46.2	51.0
2.5	100.0 ★ 90.0 ★	45.10								
3.0	84.10 ★	45.10	33.90	15.30						
3.5	75.40	45.10	33.90	15.30						
4.0	68.20	45.10	33.90	15.30						
4.5	62.00	45.10	33.90	15.30						
5.0	56.70	45.10	33.90	15.30						
5.5	52.10	45.10	33.90	15.30	15.30	12.50				
6.0	48.00	45.10	33.90	15.30	15.30	12.50				
6.5	43.80	43.50	32.00	15.30	15.30	12.50				
7.0	40.10	39.80	30.20	15.30	15.30	12.50				
7.5	37.00	36.70	28.60	15.30	15.30	12.50	12.80	12.40		
8.0	34.30	33.30	27.10	15.30	15.30	12.50	12.80	12.40		
9.0	29.20	27.70	24.50	15.30	15.30	12.50	12.80	11.90	10.90	
10.0	23.80	23.30	21.30	15.30	15.30	12.50	12.80	11.20	10.90	
11.0		19.30	18.30	15.30	15.30	12.50	12.80	10.60	10.50	9.40
12.0		16.30	15.90	15.30	14.30	12.50	12.50	9.90	10.00	9.40
14.0		12.00	11.60	14.40	12.20	11.70	10.60	8.60	9.10	9.00
16.0			8.70	11.40	10.10	10.40	9.20	7.70	8.30	8.30
18.0			6.60	9.20	8.00	9.30	8.00	6.90	7.40	7.30
20.0			5.10	7.50	6.40	8.10	7.00	6.20	6.70	6.40
22.0					5.10	6.80	5.70	5.70	6.20	5.60
24.0					4.10	5.70	4.70	5.20	5.40	4.90
26.0					3.30	4.90	3.90	4.80	4.60	4.20
28.0					2.60	4.20	3.20	4.40	3.90	3.50
30.0					2.00		2.60	3.80	3.30	2.90
32.0							2.10	3.20	2.80	2.40
34.0							1.60	2.80	2.30	1.90
36.0							1.30	2.40	1.90	1.50
38.0							0.90	2.10	1.60	1.20
40.0							0.00	23	1.30	0.90
42.0									1.10	
D		C)°		12°	0°	17°	0°	21°	38°
			TELESC	COPING CC	NDITIONS	(%)				
Telescoping mode	1,2	1	1	2	1	2	1	2	2	1, 2
2nd Boom	0	50	100	0	100	0	100	0	50	100
3rd Boom	0	0	0	33	33	67	67	100	100	100
4th Boom	0	0	0	33	33	67	67	100	100	100
Top Boom	0	0	0	33	33	67	67	100	100	100
			<u> </u>		CUT 11 2 +					

COUNTERWEIGHT 11.2 t										
ON OUTRIGGERS FULLY EXTENDED 7.3 m SPREAD										
	360° ROTATION									
				SMART	CW2			(Unit: × 1,000 kg)		
Α	12.8	17.6	22.4	22.4		31.9	41.5			
C	В	В	В	B	B	5	В			
0° 10.7 8.9 15.5 4.9 20.2 2.1 20.2 4.3 29.6 2.2 38.7 1.5										
Telescoping mode	1, 2	1	1	2		2	2			

★ With attachment sheaves A: Boom length (m)

B: Load radius (m)

C: Loaded boom angle (°) D: Minimum boom angle (°) for indicated length (no load)

MART CW		ON O		UNTERWEI S FULLY EX SMART C SMART (TENDED 7. HART	3 m SPREA	D		(Unit: ×	1,000 kg)
B	12.8 Over front 360°	17.6	22	2.4	31	.9	41	.5	46.2	51.0
2.5	100.0 ★ 90.0 ★	45.10								
3.0	84.10 ★	45.10	33.90	15.30						
3.5	75.40	45.10	33.90	15.30						
4.0	68.20	45.10	33.90	15.30						
4.5	62.00	45.10	33.90	15.30						
5.0	56.70	45.10	33.90	15.30						
5.5	52.10	45.10	33.90	15.30	15.30	12.50				
6.0	48.00	45.10	33.90	15.30	15.30	12.50				
6.5	43.80	43.50	32.00	15.30	15.30	12.50				
7.0	40.10	39.80	30.20	15.30	15.30	12.50				
7.5	37.00	36.70	28.60	15.30	15.30	12.50	12.80	12.40		
8.0	34.30	34.00	27.10	15.30	15.30	12.50	12.80	12.40		
9.0	29.30	28.90	24.50	15.30	15.30	12.50	12.80	11.90	10.90	
10.0	25.20	24.80	22.30	15.30	15.30	12.50	12.80	11.20	10.90	
11.0		21.60	20.50	15.30	15.30	12.50	12.80	10.60	10.50	9.40
12.0		19.00	18.60	15.30	14.30	12.50	12.50	9.90	10.00	9.40
14.0		14.60	14.20	15.30	12.20	11.70	10.60	8.60	9.10	9.00
16.0			10.70	13.50	10.60	10.40	9.20	7.70	8.30	8.30
18.0			8.30	10.90	9.30	9.30	8.00	6.90	7.40	7.30
20.0			6.50	9.00	7.90	8.40	7.00	6.20	6.70	6.40
22.0					6.40	7.70	6.20	5.70	6.20	5.60
24.0					5.20	6.90	5.50	5.20	5.70	5.00
26.0					4.30	5.90	4.90	4.80	5.20	4.40
28.0					3.50	5.10	4.10	4.40	4.80	3.90
30.0	(25*)	(Asi)					3.40	4.10	4.10	3.50
32.0							2.80	3.80	3.50	3.10
34.0							2.30	3.50	3.00	2.60
36.0		₩-+-					1.90	3.10	2.60	2.20
38.0		T T					1.50	2.70	2.20	1.80
40.0		' ¥							1.90	1.50
42.0	25%	145							1.60	1.20
44.0										0.90
D		C)°		10°	0°	15°	0°	19°	29°
			TELESC	COPING CC	NDITIONS	(%)				
Telescoping mode	1, 2	1	1	2	1	2	1	2	2	1, 2
2nd Boom	0	50	100	0	100	0	100	0	50	100
3rd Boom	0	0	0	33	33	67	67	100	100	100
4th Boom	0	0	0	33	33	67	67	100	100	100
Top Boom	0	0	0	33	33	67	67	100	100	100

		ON C		UNTERWE	GHT 11.2 t (TENDED 7.3 m SPREA	AD.	
				SMART C			(Unit: × 1,000 kg)
A	12.8	17.6	22.4	22.4	31.9	41.5	
С	B	B	B	B	B	B	
0°	10.7 8.	9 15.5 4.9	20.2 2.1	20.2 4.3	29.6 2.2	38.6 1.8	
Telescoping mode	1, 2	1	1	2	2	2	

★ With attachment sheaves
A: Boom length (m)
B: Load radius (m)
C: Loaded boom angle (°)
D: Minimum boom angle (°) for indicated length (no load)

		ON C	COUNTER DUTRIGGERS FULL	RWEI	GHT 11.2 t TENDED 7.3 m SPF ATION	READ		
			360° SM	ART	CW1			(Unit: × 1,000 kg)
	51	m Boom + 10.1 m	JIB			51	m Boom + 17.7 m	JIB
В	3.5° Offset	25° Offset	45° Offset	1	В	3.5° Offset	25° Offset	45° Offset
14.0	4.70				14.0			
16.0	4.70				16.0	3.00		
18.0	4.70	4.70			18.0	3.00		
20.0	4.70	4.70	4.40		20.0	3.00		
22.0	4.70	4.70	4.30		22.0	3.00	2.80	
24.0	4.70	4.40	4.10		24.0	3.00	2.70	
26.0	4.00	4.00	3.80		26.0	3.00	2.60	2.20
28.0	3.40	3.70	3.50		28.0	3.00	2.50	2.10
30.0	2.90	3.30	3.30		30.0	2.90	2.50	2.10
32.0	2.40	2.80	3.00		32.0	2.50	2.40	2.00
34.0	2.00	2.40	2.60		34.0	2.10	2.30	1.90
36.0	1.70	2.00	2.20		36.0	1.80	2.30	1.90
38.0	1.40	1.60	1.80	1	38.0	1.50	2.00	1.80
40.0	1.10	1.30	1.40		40.0	1.20	1.70	1.80
42.0		1.00	1.10]	42.0	1.00	1.40	1.70
44.0]	44.0		1.10	1.40
46.0				1	46.0		0.90	1.10
Telescoping mode	1, 2	1, 2	1, 2		Telescoping mode	1, 2	1, 2	1, 2

		ON (COUNTE DUTRIGGERS FUL 360°	RWEIC	GHT 11.2 t TENDED 7.3 m SPF ATION 2W1	READ		(Unit: × 1,000 kg)
	46.2	2 m Boom + 10.1 m	JIB			46.	2 m Boom + 17.7 m	, 0/
В	3.5° Offset	25° Offset	45° Offset		В	3.5° Offset	25° Offset	45° Offset
12.0	5.20				12.0			
14.0	5.20				14.0	3.20		
16.0	5.20	5.20			16.0	3.20		
18.0	5.20	5.20	4.50		18.0	3.20		
20.0	5.20	4.90	4.40		20.0	3.20		
22.0	5.00	4.50	4.20		22.0	3.20	2.80	
24.0	4.70	4.10	3.90		24.0	3.20	2.70	
26.0	4.40	3.80	3.60		26.0	3.20	2.60	2.20
28.0	3.70	3.50	3.40		28.0	3.20	2.60	2.10
30.0	3.40	3.30	3.10		30.0	3.00	2.50	2.00
32.0	2.90	3.00	2.90		32.0	2.70	2.40	2.00
34.0	2.50	2.80	2.70		34.0	2.50	2.30	1.90
36.0	2.10	2.30	2.50		36.0	2.30	2.20	1.90
38.0	1.70	2.00	2.10		38.0	2.00	2.00	1.80
40.0	1.40	1.60	1.70		40.0	1.70	1.90	1.80
42.0	1.20	1.30	1.40		42.0	1.40	1.70	1.70
44.0	0.90	1.10			44.0	1.10	1.50	1.60
46.0					46.0	0.90	1.20	1.30
48.0					48.0		1.00	1.10
Telescoping mode	2	2	2		Telescoping mode	2	2	2

				ON C	OUTRIGGI	ERS FULL 360°	Y EX ROTA	GHT 11.2 t TENDED 7.3 m SPF ATION	READ				()	000 ()
		41 5	m Boom	+ 10.1 m		SMA	RT C	2001		41 5	5 m Boom	1 + 17.7 m	(Unit: × 1	,000 kg)
В	3.5° (25° C			Offset		В	3.5° (Offset		Offset
10.0	6.60							10.0						
11.0	6.60	5.70						11.0						
12.0	6.60	5.70						12.0						
14.0	6.60	5.70	6.20					14.0	3.90	3.40				
16.0	6.60	5.70	5.90	5.70	4.70			16.0	3.90	3.40				
18.0	6.60	5.70	5.60	5.20	4.50	4.50		18.0	3.90	3.40				
20.0	6.60	5.10	5.40	4.70	4.40	4.30		20.0	3.90	3.40	3.10	3.00		
22.0	5.80	4.60	5.10	4.30	4.30	4.10		22.0	3.90	3.40	2.90	2.90		
24.0	4.90	4.10	4.90	3.90	4.20	3.80		24.0	3.80	3.40	2.80	2.70	2.30	2.20
26.0	4.20	3.80	4.70	3.60	4.10	3.50		26.0	3.60	3.30	2.70	2.60	2.20	2.20
28.0	3.60	3.40	4.00	3.30	4.00	3.20		28.0	3.40	3.00	2.60	2.50	2.10	2.10
30.0	3.00	3.20	3.30	3.00	3.60	3.00		30.0	3.20	2.70	2.50	2.50	2.00	2.00
32.0	2.40	2.90	2.80	2.80	3.00	2.70		32.0	2.80	2.50	2.40	2.40	2.00	2.00
34.0	2.00	2.70	2.30	2.60	2.40	2.60		34.0	2.40	2.30	2.30	2.20	1.90	1.90
36.0	1.60	2.50	1.90	2.40	2.00	2.40		36.0	2.00	2.10	2.20	2.00	1.90	1.90
38.0	1.30	2.20	1.50	2.20	1.60	2.20		38.0	1.60	2.00	2.10	1.90	1.80	1.80
40.0	0.90	1.90	1.10	2.00				40.0	1.30	1.80	1.70	1.80	1.80	1.70
42.0		1.60		1.70				42.0	1.00	1.70	1.40	1.60	1.60	1.60
44.0		1.30		1.40				44.0		1.60	1.10	1.50	1.20	1.50
46.0		1.10		1.20				46.0		1.30		1.40	0.90	1.40
48.0		0.90						48.0		1.10		1.30		
50.0								50.0		0.90		1.10		
52.0								52.0				0.90		
Telescoping mode	1	2	1	2	1	2		Telescoping mode	1	2	1	2	1	2

B: Load radius (m)

SMART CW		ON C	COUNTEF DUTRIGGERS FULL 360° SM/	WEIGHT 11.2 t Y EXTENDED 7.3 I ROTATION RT CW2	m SPREAD		(Unit: × 1,000 kg)
	51	m Boom + 10.1 m	JIB		51	m Boom + 17.7 m	JIB
В	3.5° Offset	25° Offset	45° Offset	В	3.5° Offset	25° Offset	45° Offset
14.0	4.70			14.0			
16.0	4.70			16.0	3.00		
18.0	4.70	4.70		18.0	3.00		
20.0	4.70	4.70	4.40	20.0	3.00		
22.0	4.70	4.70	4.30	22.0	3.00	2.80	
24.0	4.70	4.40	4.10	24.0	3.00	2.70	
26.0	4.20	4.00	3.80	26.0	3.00	2.60	2.20
28.0	3.60	3.70	3.50	28.0	3.00	2.50	2.10
30.0	3.10	3.50	3.30	30.0	3.00	2.50	2.10
32.0	2.60	3.00	3.10	32.0	2.70	2.40	2.00
34.0	2.20	2.60	2.80	34.0	2.30	2.30	1.90
36.0	1.90	2.20	2.40	36.0	2.00	2.30	1.90
38.0	1.50	1.80	2.00	38.0	1.70	2.10	1.80
40.0	1.20	1.50	1.60	40.0	1.40	1.80	1.80
42.0	0.90	1.10	1.30	42.0	1.20	1.50	1.80
44.0		0.90	1.00	44.0	0.90	1.30	1.50
46.0				46.0		1.00	1.20
48.0				48.0			1.00
Telescoping mode	1, 2	1, 2	1, 2	Telescop mode	ing 1, 2	1, 2	1, 2

		ON (COUNTER		GHT 11.2 t TENDED 7.3 m SPF ATION CW2	READ		
SMART CW			360° SM	ART	CW2			(Unit: × 1,000 kg)
	46.2	2 m Boom + 10.1 m	JIB	1		46.	2 m Boom + 17.7 m	n JIB
В	3.5° Offset	25° Offset	45° Offset		В	3.5° Offset	25° Offset	45° Offset
12.0	5.20				12.0			
14.0	5.20				14.0	3.20		
16.0	5.20	5.20			16.0	3.20		
18.0	5.20	5.20	4.50		18.0	3.20		
20.0	5.20	4.90	4.40		20.0	3.20		
22.0	5.00	4.50	4.20		22.0	3.20	2.80	
24.0	4.70	4.10	3.90		24.0	3.20	2.70	
26.0	4.40	3.80	3.60		26.0	3.20	2.60	2.20
28.0	3.70	3.50	3.40		28.0	3.20	2.60	2.10
30.0	3.40	3.30	3.10		30.0	3.00	2.50	2.00
32.0	3.10	3.00	2.90		32.0	2.70	2.40	2.00
34.0	2.70	2.80	2.70		34.0	2.50	2.30	1.90
36.0	2.30	2.50	2.60		36.0	2.30	2.20	1.90
38.0	1.90	2.10	2.20		38.0	2.20	2.00	1.80
40.0	1.60	1.80	1.90		40.0	1.80	1.90	1.80
42.0	1.30	1.50	1.50		42.0	1.50	1.80	1.70
44.0	1.00	1.20			44.0	1.30	1.60	1.60
46.0		0.90			46.0	1.00	1.30	1.50
48.0					48.0		1.10	1.20
50.0					50.0		0.90	0.90
Telescoping mode	2	2	2		Telescoping mode	2	2	2

SMART CW				ONC	OUTRIGGI	COUNTER ERS FULL 360°	RWEI	GHT 11.2 t TENDED 7.3 m SPF ATION	READ					
						SM	ART	CW2					(Unit: × 1	,000 kg)
В			5 m Boom					В				+ 17.7 m	•·	
	3.5° C	Offset	25° C	Offset	45° C	Offset			3.5° C	Offset	25° C	Offset	45° C	Offset
10.0	6.60							10.0						
11.0	6.60	5.70						11.0						
12.0	6.60	5.70						12.0						
14.0	6.60	5.70	6.20					14.0	3.90	3.40				
16.0	6.60	5.70	5.90	5.70	4.70			16.0	3.90	3.40				
18.0	6.60	5.70	5.60	5.20	4.50	4.50		18.0	3.90	3.40				
20.0	6.60	5.10	5.40	4.70	4.40	4.30		20.0	3.90	3.40	3.10	3.00		
22.0	6.10	4.60	5.10	4.30	4.30	4.10		22.0	3.90	3.40	2.90	2.90		
24.0	5.20	4.10	4.90	3.90	4.20	3.80		24.0	3.80	3.40	2.80	2.70	2.30	2.20
26.0	4.50	3.80	4.70	3.60	4.10	3.50		26.0	3.60	3.30	2.70	2.60	2.20	2.20
28.0	3.80	3.40	4.20	3.30	4.00	3.20		28.0	3.40	3.00	2.60	2.50	2.10	2.10
30.0	3.20	3.20	3.60	3.00	3.80	3.00		30.0	3.20	2.70	2.50	2.50	2.00	2.00
32.0	2.60	2.90	3.00	2.80	3.20	2.70		32.0	3.00	2.50	2.40	2.40	2.00	2.00
34.0	2.20	2.70	2.50	2.60	2.60	2.60		34.0	2.60	2.30	2.30	2.20	1.90	1.90
36.0	1.80	2.50	2.00	2.40	2.20	2.40		36.0	2.10	2.10	2.20	2.00	1.90	1.90
38.0	1.40	2.30	1.60	2.20	1.70	2.20		38.0	1.80	2.00	2.10	1.90	1.80	1.80
40.0	1.10	2.00	1.30	2.10				40.0	1.50	1.80	1.90	1.80	1.80	1.70
42.0		1.70	1.00	1.90				42.0	1.20	1.70	1.50	1.60	1.70	1.60
44.0		1.50		1.60				44.0	0.90	1.60	1.20	1.50	1.40	1.50
46.0		1.20		1.30				46.0		1.40	1.00	1.40	1.10	1.40
48.0		1.00						48.0		1.20		1.30		
50.0								50.0		1.10		1.20		
52.0								52.0		0.90		1.00		
Telescoping mode	1	2	1	2	1	2		Telescoping mode	1	2	1	2	1	2

B: Load radius (m)

SMART CW		ON C	COUNTER DUTRIGGERS FULL SMA SMA	RWEI Y EX RT CI ART (GHT 11.2 t TENDED 7.3 m SPR HART CW2	EAD		(Unit: × 1,000 kg)
	51	m Boom + 10.1 m 、	JIB			51	m Boom + 17.7 m	JIB
В	3.5° Offset	25° Offset	45° Offset		В	3.5° Offset	25° Offset	45° Offset
14.0	4.70				14.0			(25°) (25°)
16.0	4.70				16.0	3.00		
18.0	4.70	4.70			18.0	3.00		
20.0	4.70	4.70	4.40		20.0	3.00		
22.0	4.70	4.70	4.30		22.0	3.00	2.80	
24.0	4.70	4.40	4.10		24.0	3.00	2.70	
26.0	4.40	4.00	3.80		26.0	3.00	2.60	2.20
28.0	4.00	3.70	3.50		28.0	3.00	2.50	2.10
30.0	3.70	3.50	3.30		30.0	3.00	2.50	2.10
32.0	3.30	3.20	3.10		32.0	2.90	2.40	2.00
34.0	2.90	3.00	2.90		34.0	2.70	2.30	1.90
36.0	2.50	2.70	2.70		36.0	2.50	2.30	1.90
38.0	2.10	2.40	2.50		38.0	2.20	2.20	1.80
40.0	1.80	2.00	2.20		40.0	1.90	2.00	1.80
42.0	1.50	1.70 🏹	<u></u> 1.80		42.0	1.60	1.90	1.80
44.0	1.20	1.40	1.50		44.0	1.40	1.80	1.70
46.0	0.90	1.10	1.20		46.0	1.20	1.50	1.60
48.0					48.0	0.90	1.20	1.40
50.0					50.0		1.00	1.10
52.0		25%	259		52.0			0.90
Telescoping mode	1, 2	1, 2	1, 2		Telescoping mode	1, 2	1, 2	1, 2

SMART CW		ONC		RWEI	GHT 11.2 t TENDED 7.3 m SPF HART W2	READ		
			SMA	ART	W2			(Unit: × 1,000 kg)
в	46.2	2 m Boom + 10.1 m	JIB		В	46.2	2 m Boom + 17.7 m	
D	3.5° Offset	25° Offset	45° Offset		D	3.5° Offset	25° Offset	45° Offset
12.0	5.20				12.0			
14.0	5.20				14.0	3.20		
16.0	5.20	5.20			16.0	3.20		
18.0	5.20	5.20	4.50		18.0	3.20		▁⊨ᡛ═══Ӂ҉═┼╢▁
20.0	5.20	4.90	4.40		20.0	3.20		
22.0	5.00	4.50	4.20		22.0	3.20	2.80	
24.0	4.70	4.10	3.90		24.0	3.20	2.70	
26.0	4.40	3.80	3.60		26.0	3.20	2.60	2.20
28.0	3.70	3.50	3.40		28.0	3.20	2.60	2.10
30.0	3.40	3.30	3.10		30.0	3.00	2.50	2.00
32.0	3.20	3.00	2.90		32.0	2.70	2.40	2.00
34.0	2.90	2.80	2.70		34.0	2.50	2.30	1.90
36.0	2.70	2.60	2.60		36.0	2.30	2.20	1.90
38.0	2.50	2.50	2.40		38.0	2.20	2.00	1.80
40.0	2.20	2.30	2.30		40.0	2.00	1.90	1.80
42.0	1.80	2.00	2.10		42.0	1.90	1.80	1.70
44.0	1.60	1.70 🗸 🖄	25		44.0	1.70	1.70	1.60
46.0	1.30	1.40			46.0	1.50	1.60	1.50
48.0	1.10	1.20			48.0	1.30	1.50	1.40
50.0	0.90	0.90	₩ T T T T T T T T T T T T T		50.0	1.10	1.30	1.30
52.0					52.0	0.90	1.10	
54.0		25%	259		54.0		0.90	
Telescoping mode	2	2	2		Telescoping mode	2	2	2

SMART CW				ON C	OUTRIGGI	COUNTER ERS FULL SMA	RWEIC Y EX RT CI	GHT 11.2 t TENDED 7.3 m SPI HART W2	READ				(Unit: × 1	000 ka)
		41.5	5 m Boom	+ 10.1 m	JIB					41.5	5 m Boom	1 + 17.7 m		,000 Ng/
В	3.5° (Offset	25° C	Offset	45° C	Offset		В	3.5° (Offset	25° C	Offset	45° C	Offset
10.0	6.60							10.0						
11.0	6.60	5.70						11.0					(25°)	25
12.0	6.60	5.70						12.0						<i>K</i> P
14.0	6.60	5.70	6.20					14.0	3.90	3.40				₩X4H
16.0	6.60	5.70	5.90	5.70	4.70			16.0	3.90	3.40				AR I
18.0	6.60	5.70	5.60	5.20	4.50	4.50		18.0	3.90	3.40				
20.0	6.60	5.10	5.40	4.70	4.40	4.30		20.0	3.90	3.40	3.10	3.00	25%	
22.0	6.30	4.60	5.10	4.30	4.30	4.10		22.0	3.90	3.40	2.90	2.90		
24.0	5.60	4.10	4.90	3.90	4.20	3.80		24.0	3.80	3.40	2.80	2.70	2.30	2.20
26.0	5.00	3.80	4.70	3.60	4.10	3.50		26.0	3.60	3.30	2.70	2.60	2.20	2.20
28.0	4.40	3.40	4.60	3.30	4.00	3.20		28.0	3.40	3.00	2.60	2.50	2.10	2.10
30.0	4.00	3.20	4.10	3.00	3.90	3.00		30.0	3.20	2.70	2.50	2.50	2.00	2.00
32.0	3.40	2.90	3.70	2.80	3.80	2.70		32.0	3.10	2.50	2.40	2.40	2.00	2.00
34.0	2.90	2.70	3.20	2.60	3.30	2.60		34.0	3.00	2.30	2.30	2.20	1.90	1.90
36.0	2.40	2.50	2.70	2.40	2.80	2.40		36.0	2.80	2.10	2.20	2.00	1.90	1.90
38.0	2.00	2.30	2.30	2.20	2.40	2.20		38.0	2.40	2.00	2.10	1.90	1.80	1.80
40.0	1.70	2.10	1.90	2.10				40.0	2.00	1.80	2.00	1.80	1.80	1.70
42.0	1.40	2.00	1.50	2.00	(25°)	25)		42.0	1.70	1.70	2.00	1.60	1.80	1.60
44.0	1.10	1.90	1.20	1.80				44.0	1.40	1.60	1.70	1.50	1.70	1.50
46.0		1.70	0.90	1.70				46.0	1.20	1.40	1.40	1.40	1.60	1.40
48.0		1.50				AR II		48.0	0.90	1.30	1.20	1.30		
50.0								50.0		1.20	0.90	1.20		
52.0					255	5		52.0		1.20		1.10		
54.0								54.0		1.10				
Telescoping mode	1	2	1	2	1	2		Telescoping mode	1	2	1	2	1	2

B: Load radius (m)

			ON RUBBEI	WEIGHT 11.2 t R STATIONARY RT CW1			(Unit: × 1,000 kg)
	0\	/er front			360	° Rotation	
A	12.8	22.4	31.9	A	12.8	22.4	31.9
4.0	27.40			4.0	17.70		
4.5	24.60			4.5	15.00		
5.0	22.30			5.0	12.50		
5.5	20.30			5.5	10.40		
6.0	18.60	15.30		6.0	8.80	9.70	
6.5	17.10	15.30		6.5	7.50	8.60	
7.0	15.70	15.30		7.0	6.50	7.80	
7.5	14.50	15.30	12.50	7.5	5.60	7.00	6.60
8.0	13.40	14.30	12.50	8.0	4.80	6.30	6.00
8.5	12.30	13.20	12.20	8.5	4.10	5.60	5.50
9.0	11.00	12.20	11.40	9.0	3.50	5.00	5.00
10.0		10.50	9.90	10.0		4.00	4.10
11.0		8.90	8.70	11.0		3.20	3.40
12.0		7.60	7.60	12.0		2.50	2.80
14.0		5.70	6.00	14.0		1.50	1.90
14.0		4.30	4.80	16.0		1.00	1.10
18.0		3.20	3.70	18.0			1.10
20.0		2.50	2.90	20.0			
20.0		2.00	2.90	20.0			
22.0			1.70	22.0			
26.0			1.30	26.0			
28.0			0.90	28.0	00	440	57 0
D	-)°	20°	D	<u>0°</u>	41°	<u>57°</u>
Telescoping mode	1, 2	2	2	Telescoping mode	1, 2	2	2
2nd Boom	0	0	0	2nd Boom	0	0	0
3rd Boom	0	33	67	3rd Boom	0	33	67
4th Boom	0	33	67	4th Boom	0	33	67
Top Boom	0	33	67	Top Boom	0	33	67
A	12.8	ver front 22.4	ON RUBBEI	WEIGHT 11.2 t R STATIONARY RT CW1	12.8	° Rotation	(Unit: × 1,000 kg)
C A O°			ON RUBBEI	R STATIONARY RT CW1		? Rotation	(Unit: × 1,000 kg)
c	12.8 B	22.4 B	ON RUBBEI SMA	R STATIONARY RT CW1	12.8 B	? Rotation	(Unit: × 1,000 kg)
c	12.8 B 10.7 7.9	22.4 B 20.2 2.0	ON RUBBEI SMA	R STATIONARY RT CW1	12.8 B 10.7 2.0		(Unit: × 1,000 kg)
C	12.8 B 10.7 7.9	22.4 B	ON RUBBEI SMA	R STATIONARY RT CW1	12.8 B 10.7 2.0	² Rotation	
C 0° A B	12.8 B 10.7 7.9 00 12.8	22.4 B 20.2 2.0	ON RUBBEI SMA	R STATIONARY RT CW1 C A C O° WEIGHT 11.2 t BER CREEP RT CW1 A B A B A	12.8 B 10.7 2.0		
C 0° A B 4.0	12.8 B 10.7 7.9 0 12.8 21.10	22.4 B 20.2 2.0	ON RUBBEI SMA COUNTER ON RUB SMA	R STATIONARY RT CW1 C A C 0° WEIGHT 11.2 t BER CREEP RT CW1 A B A B 4.0	12.8 B 10.7 2.0 360°	? Rotation	(Unit: × 1,000 kg)
C 0° B 4.0 4.5	12.8 B 10.7 7.9 0 12.8 21.10 19.00	22.4 B 20.2 2.0	ON RUBBEI SMA COUNTER ON RUB SMA	R STATIONARY RT CW1 A C 0° WEIGHT 11.2 t BER CREEP RT CW1 A A B A A A B 4.0 4.5	12.8 B 10.7 2.0 360° 12.8	? Rotation	(Unit: × 1,000 kg)
C 0° B 4.0 4.5 5.0	12.8 B 10.7 7.9 00 12.8 21.10 19.00 17.10	22.4 B 20.2 2.0	ON RUBBEI SMA COUNTER ON RUB SMA	R STATIONARY RT CW1 A C 0° WEIGHT 11.2 t BER CREEP RT CW1 A A B A A B A A B B A B B A B B A B A B A B A B A B A B A B A B A B A B B A A B A A B A A B A A A B A A A A A A A A A A A A A	12.8 B 10.7 2.0 360 ⁴ 12.8 10.50	? Rotation	(Unit: × 1,000 kg)
C 0° A B 4.0 4.5 5.0 5.5	12.8 B 10.7 7.9 00 12.8 21.10 19.00 17.10 15.50	22.4 B 20.2 2.0 ver front 22.4	ON RUBBEI SMA COUNTER ON RUB SMA	R STATIONARY RT CW1 A C 0° WEIGHT 11.2 t BER CREEP RT CW1 A A B 4.0 4.5 5.0 5.5	12.8 B 10.7 2.0 360 [°] 12.8 10.50 9.10	? Rotation	(Unit: × 1,000 kg)
C 0° A B 4.0 4.5 5.0 5.5 6.0	12.8 B 10.7 7.9 00 12.8 21.10 19.00 17.10 15.50 14.00	22.4 B 20.2 2.0 ver front 22.4 15.30	ON RUBBEI SMA COUNTER ON RUB SMA	R STATIONARY RT CW1 A C 0° WEIGHT 11.2 t BER CREEP RT CW1 A B 4.0 4.5 5.0 5.5 6.0	12.8 B 10.7 2.0 360 [°] 12.8 10.50 9.10 7.90	? Rotation	(Unit: × 1,000 kg)
C 0° A B 4.0 4.5 5.0 5.5 6.0 6.5	12.8 B 10.7 7.9 00 12.8 21.10 19.00 17.10 15.50 14.00 12.80	22.4 B 20.2 2.0 ver front 22.4 15.30 14.10	ON RUBBEI SMA COUNTER ON RUB SMA	R STATIONARY RT CW1 C 0° WEIGHT 11.2 t BER CREEP RT CW1 A B 4.0 4.5 5.0 5.5 6.0 6.5	12.8 B 10.7 2.0 360° 12.8 10.50 9.10 7.90 6.70	P Rotation	(Unit: × 1,000 kg)
C 0° B 4.0 4.5 5.0 5.5 6.0 6.5 7.0	12.8 B 10.7 7.9 0v 12.8 21.10 19.00 17.10 15.50 14.00 12.80 11.70	22.4 B 20.2 2.0 ver front 22.4 15.30 14.10 13.00	COUNTER ON RUB COUNTER ON RUB SMA 31.9	R STATIONARY RT CW1 A C 0° WEIGHT 11.2 t BER CREEP RT CW1 A A B A A B A A B A A A A A A A A A A A A A	12.8 B 10.7 2.0 360° 12.8 10.50 9.10 7.90 6.70 5.70	² Rotation 22.4 7.20	(Unit: × 1,000 kg)
C 0° B A B 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5	12.8 B 10.7 7.9 0v 12.8 21.10 19.00 17.10 15.50 14.00 12.80 11.70 10.70	22.4 B 20.2 2.0 ver front 22.4 15.30 14.10 13.00 12.00	ON RUBBEI SMA COUNTER ON RUB SMA 31.9 31.9 12.40	R STATIONARY RT CW1 A C 0° WEIGHT 11.2 t BER CREEP RT CW1 A 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5	12.8 B 10.7 2.0 360 ⁴ 12.8 10.50 9.10 7.90 6.70 5.70 4.90	² Rotation 22.4 7.20 6.30	(Unit: × 1,000 kg)
C 0° A B 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0	12.8 B 10.7 7.9 00 12.8 21.10 19.00 17.10 15.50 14.00 12.80 11.70 10.70 9.80	22.4 B 20.2 2.0 ver front 22.4 15.30 14.10 13.00 12.00 11.10	ON RUBBE SMA COUNTER ON RUB SMA 31.9 31.9 12.40 11.60	R STATIONARY RT CW1 A C 0° WEIGHT 11.2 t BER CREEP RT CW1 A A B 4.0 4.5 5.0 5.5 6.0 6.0 6.5 7.0 7.5 8.0	12.8 B 10.7 2.0 360° 12.8 10.50 9.10 7.90 6.70 5.70 4.90 4.20	² Rotation 22.4 7.20 6.30 5.60	(Unit: × 1,000 kg)
C 0° A B 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5	12.8 B 10.7 7.9 12.8 21.10 19.00 17.10 15.50 14.00 12.80 11.70 10.70 9.80 9.00	22.4 B 20.2 2.0 ver front 22.4 15.30 14.10 13.00 12.00 11.10 10.40	ON RUBBE SMA COUNTER ON RUB SMA 31.9 31.9 12.40 11.60 10.80	R STATIONARY RT CW1 A C 0° WEIGHT 11.2 t BER CREEP RT CW1 A 4.0 4.5 5.0 6.0 6.5 7.0 7.5 8.0 8.5	12.8 B 10.7 2.0 360° 12.8 10.50 9.10 7.90 6.70 5.70 4.90 4.20 3.60	² Rotation 22.4 7.20 6.30 5.60 5.00	(Unit: × 1,000 kg) 31.9 5.60 5.10
C 0° A B 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0	12.8 B 10.7 7.9 00 12.8 21.10 19.00 17.10 15.50 14.00 12.80 11.70 10.70 9.80	22.4 B 20.2 2.0 ver front 22.4 15.30 14.10 13.00 12.00 11.10 10.40 9.60	ON RUBBEI SMA COUNTER ON RUB SMA 31.9 31.9 12.40 11.60 10.80 10.00	R STATIONARY RT CW1 A C 0° WEIGHT 11.2 t BER CREEP RT CW1 A 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0	12.8 B 10.7 2.0 360° 12.8 10.50 9.10 7.90 6.70 5.70 4.90 4.20	² Rotation 22.4 7.20 6.30 5.60 5.00 4.50	(Unit: × 1,000 kg) 31.9 5.60 5.10 4.60
C 0° A B 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5	12.8 B 10.7 7.9 12.8 21.10 19.00 17.10 15.50 14.00 12.80 11.70 10.70 9.80 9.00	22.4 B 20.2 2.0 ver front 22.4 15.30 14.10 13.00 12.00 11.10 10.40	ON RUBBE SMA COUNTER ON RUB SMA 31.9 31.9 12.40 11.60 10.80 10.00 8.70	R STATIONARY RT CW1 A C 0° WEIGHT 11.2 t BER CREEP RT CW1 A 4.0 4.5 5.0 6.0 6.5 7.0 7.5 8.0 8.5	12.8 B 10.7 2.0 360° 12.8 10.50 9.10 7.90 6.70 5.70 4.90 4.20 3.60	² Rotation 22.4 7.20 6.30 5.60 5.00	(Unit: × 1,000 kg) 31.9 5.60 5.10
C 0° A B 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0	12.8 B 10.7 7.9 12.8 21.10 19.00 17.10 15.50 14.00 12.80 11.70 10.70 9.80 9.00	22.4 B 20.2 2.0 ver front 22.4 15.30 14.10 13.00 12.00 11.10 10.40 9.60	ON RUBBEI SMA COUNTER ON RUB SMA 31.9 31.9 12.40 11.60 10.80 10.00	R STATIONARY RT CW1 A C 0° WEIGHT 11.2 t BER CREEP RT CW1 A 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0	12.8 B 10.7 2.0 360° 12.8 10.50 9.10 7.90 6.70 5.70 4.90 4.20 3.60	² Rotation 22.4 7.20 6.30 5.60 5.00 4.50	(Unit: × 1,000 kg) 31.9 5.60 5.10 4.60
C 0° B 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 10.0	12.8 B 10.7 7.9 12.8 21.10 19.00 17.10 15.50 14.00 12.80 11.70 10.70 9.80 9.00	22.4 B 20.2 2.0 ver front 22.4 15.30 14.10 13.00 12.00 11.10 10.40 9.60 8.40	ON RUBBE SMA COUNTER ON RUB SMA 31.9 31.9 12.40 11.60 10.80 10.00 8.70	R STATIONARY RT CW1 A C 0° WEIGHT 11.2 t BER CREEP RT CW1 A A B A B A B A B A B A B A B A B A B C C C C C C C C C C C C C	12.8 B 10.7 2.0 360° 12.8 10.50 9.10 7.90 6.70 5.70 4.90 4.20 3.60	² Rotation 22.4 7.20 6.30 5.60 5.00 4.50 3.50	(Unit: × 1,000 kg) 31.9 5.60 5.10 4.60 3.90
C 0° B A B 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 10.0 11.0	12.8 B 10.7 7.9 12.8 21.10 19.00 17.10 15.50 14.00 12.80 11.70 10.70 9.80 9.00	22.4 B 20.2 2.0 ver front 22.4 15.30 14.10 13.00 12.00 11.10 10.40 9.60 8.40 7.30	ON RUBBEI SMA COUNTER ON RUB SMA 31.9 31.9 12.40 11.60 10.80 10.00 8.70 7.60	R STATIONARY RT CW1 A C 0° WEIGHT 11.2 t BER CREEP RT CW1 A B 4.0 4.5 5.0 5.5 6.0 6.5 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 10.0 11.0	12.8 B 10.7 2.0 360° 12.8 10.50 9.10 7.90 6.70 5.70 4.90 4.20 3.60	² Rotation 22.4 7.20 6.30 5.60 5.00 4.50 3.50 2.80	(Unit: × 1,000 kg) 31.9 31.9 5.60 5.10 4.60 3.90 3.20
C 0° A B 4.0 4.5 5.0 5.5 6.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 10.0 11.0 12.0 14.0	12.8 B 10.7 7.9 12.8 21.10 19.00 17.10 15.50 14.00 12.80 11.70 10.70 9.80 9.00	22.4 B 20.2 2.0 /er front 22.4 15.30 14.10 13.00 12.00 11.10 10.40 9.60 8.40 7.30 6.20	ON RUBBEI SMA COUNTER ON RUB SMA 31.9 12.40 11.60 10.80 10.00 8.70 7.60 6.70	R STATIONARY RT CW1 A C 0° WEIGHT 11.2 t BER CREEP RT CW1 A A B 4.0 4.5 5.0 6.0 6.5 7.0 7.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 10.0 11.0 12.0 14.0	12.8 B 10.7 2.0 360° 12.8 10.50 9.10 7.90 6.70 5.70 4.90 4.20 3.60	² Rotation 22.4 7.20 6.30 5.60 5.00 4.50 3.50 2.80 2.20	(Unit: × 1,000 kg) 31.9 5.60 5.10 4.60 3.90 3.20 2.60
C 0° B 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 10.0 11.0 12.0 14.0 16.0	12.8 B 10.7 7.9 12.8 21.10 19.00 17.10 15.50 14.00 12.80 11.70 10.70 9.80 9.00	22.4 B 20.2 2.0 ver front 22.4 15.30 14.10 13.00 12.00 11.10 10.40 9.60 8.40 7.30 6.20 4.60 3.40	ON RUBBEI SMA COUNTER ON RUB SMA 31.9 31.9 12.40 11.60 10.80 10.00 8.70 7.60 6.70 5.00 3.80	R STATIONARY RT CW1 A C 0° WEIGHT 11.2 t BER CREEP RT CW1 A A B A A B A A B A A A A A A A A A A A A A	12.8 B 10.7 2.0 360° 12.8 10.50 9.10 7.90 6.70 5.70 4.90 4.20 3.60	² Rotation 22.4 7.20 6.30 5.60 5.00 4.50 3.50 2.80 2.20	(Unit: × 1,000 kg) 31.9 5.60 5.10 4.60 3.20 2.60 1.70
C 0° B A B 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 10.0 11.0 12.0 14.0 16.0 18.0	12.8 B 10.7 7.9 12.8 21.10 19.00 17.10 15.50 14.00 12.80 11.70 10.70 9.80 9.00	22.4 B 20.2 2.0 ver front 22.4 15.30 14.10 13.00 12.00 11.10 10.40 9.60 8.40 7.30 6.20 4.60 3.40 2.60	ON RUBBE SMA COUNTER ON RUB SMA 31.9 31.9 12.40 11.60 10.80 10.80 10.80 10.00 8.70 7.60 6.70 5.00 3.80 3.00	R STATIONARY RT CW1 A C 0° WEIGHT 11.2 t BER CREEP RT CW1 A 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 10.0 11.0 12.0 14.0 16.0 18.0	12.8 B 10.7 2.0 360° 12.8 10.50 9.10 7.90 6.70 5.70 4.90 4.20 3.60	² Rotation 22.4 7.20 6.30 5.60 5.00 4.50 3.50 2.80 2.20	(Unit: × 1,000 kg) 31.9 5.60 5.10 4.60 3.20 2.60 1.70
C 0° B A B 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 10.0 11.0 12.0 14.0 14.0 14.0 18.0 20.0	12.8 B 10.7 7.9 12.8 21.10 19.00 17.10 15.50 14.00 12.80 11.70 10.70 9.80 9.00	22.4 B 20.2 2.0 ver front 22.4 15.30 14.10 13.00 12.00 11.10 10.40 9.60 8.40 7.30 6.20 4.60 3.40	ON RUBBEI SMA COUNTER ON RUB SMA 31.9 31.9 12.40 11.60 10.80 10.00 8.70 7.60 6.70 5.00 3.80 3.00 2.30	R STATIONARY RT CW1 A C 0° WEIGHT 11.2 t BER CREEP RT CW1 A A B 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 10.0 11.0 12.0 14.0 18.0 20.0	12.8 B 10.7 2.0 360° 12.8 10.50 9.10 7.90 6.70 5.70 4.90 4.20 3.60	² Rotation 22.4 7.20 6.30 5.60 5.00 4.50 3.50 2.80 2.20	(Unit: × 1,000 kg) 31.9 5.60 5.10 4.60 3.20 2.60 1.70
C 0° A B 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 10.0 11.0 12.0 14.0 14.0 14.0 20.0 22.0	12.8 B 10.7 7.9 12.8 21.10 19.00 17.10 15.50 14.00 12.80 11.70 10.70 9.80 9.00	22.4 B 20.2 2.0 ver front 22.4 15.30 14.10 13.00 12.00 11.10 10.40 9.60 8.40 7.30 6.20 4.60 3.40 2.60	ON RUBBEI SMA COUNTER ON RUB SMA 31.9 12.40 11.60 10.80 10.00 8.70 7.60 6.70 5.00 3.80 3.00 2.30 1.70	R STATIONARY RT CW1 A C 0° WEIGHT 11.2 t BER CREEP RT CW1 A A B 4.0 4.5 5.0 5.5 6.0 6.0 6.5 7.0 7.5 8.0 8.5 9.0 10.0 11.0 12.0 14.0 16.0 18.0 20.0 22.0	12.8 B 10.7 2.0 360° 12.8 10.50 9.10 7.90 6.70 5.70 4.90 4.20 3.60	² Rotation 22.4 7.20 6.30 5.60 5.00 4.50 3.50 2.80 2.20	(Unit: × 1,000 kg) 31.9 5.60 5.10 4.60 3.20 2.60 1.70
C 0° A B 4.0 4.5 5.0 6.0 6.5 7.0 7.5 8.0 8.5 9.0 10.0 11.0 12.0 14.0 16.0 18.0 20.0 22.0 24.0	12.8 B 10.7 7.9 12.8 21.10 19.00 17.10 15.50 14.00 12.80 11.70 10.70 9.80 9.00	22.4 B 20.2 2.0 ver front 22.4 15.30 14.10 13.00 12.00 11.10 10.40 9.60 8.40 7.30 6.20 4.60 3.40 2.60	ON RUBBEI SMA COUNTER ON RUB SMA 31.9 31.9 12.40 11.60 10.80 10.00 8.70 7.60 6.70 5.00 3.80 3.00 2.30 1.70 1.30	R STATIONARY RT CW1 A C 0° WEIGHT 11.2 t BER CREEP RT CW1 A A B A A A A A A A A A A A A A	12.8 B 10.7 2.0 360° 12.8 10.50 9.10 7.90 6.70 5.70 4.90 4.20 3.60	² Rotation 22.4 7.20 6.30 5.60 5.00 4.50 3.50 2.80 2.20	(Unit: × 1,000 kg) 31.9 5.60 5.10 4.60 3.20 2.60 1.70
C 0° A B A A B A A C A C C C C C C C C C C C C C	12.8 B 10.7 7.9 0 12.8 21.10 19.00 17.10 15.50 14.00 12.80 11.70 10.70 9.80 9.00 8.30 	22.4 B 20.2 2.0 ver front 22.4 15.30 14.10 13.00 12.00 11.10 13.00 10.40 9.60 8.40 7.30 6.20 4.60 3.40 2.60 1.90 1.90	ON RUBBEL SMA COUNTER ON RUB SMA 31.9 31.9 12.40 11.60 10.80 10.00 8.70 7.60 6.70 5.00 3.80 3.80 3.00 2.30 1.70 1.30 0.90	R STATIONARY RT CW1 A C 0° WEIGHT 11.2 t BER CREEP RT CW1 A A B A A A A A A A A A A A A A	12.8 B 10.7 2.0 360° 12.8 10.50 9.10 7.90 6.70 5.70 4.90 4.20 3.60 3.10	² Rotation 22.4 7.20 6.30 5.60 5.00 4.50 3.50 2.80 2.20 1.30	(Unit: × 1,000 kg) 31.9 31.9 5.60 5.10 4.60 3.90 3.20 2.60 1.70 1.00
C 0° A B A.0 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 10.0 11.0 12.0 14.0 16.0 18.0 20.0 22.0 24.0 D	12.8 B 10.7 7.9 0v 12.8 21.10 19.00 17.10 15.50 14.00 12.80 11.70 10.70 9.80 9.00 8.30 	22.4 B 20.2 2.0 ver front 22.4 15.30 14.10 13.00 12.00 11.10 10.40 9.60 8.40 7.30 6.20 4.60 3.40 2.60 1.90	ON RUBBE SMA COUNTER ON RUB SMA 31.9 31.9 12.40 11.60 10.80 10.00 8.70 7.60 6.70 5.00 3.80 3.00 2.30 1.70 1.30 0.90 29°	R STATIONARY RT CW1 A C O° WEIGHT 11.2 t BER CREEP RT CW1 A B A B A B A B A B A B A B A B A B A	12.8 B 10.7 2.0 360° 12.8 10.50 9.10 7.90 6.70 5.70 4.90 4.20 3.60 3.10 	² Rotation 22.4 7.20 6.30 5.60 5.00 4.50 3.50 2.80 2.20 1.30 4.30	(Unit: × 1,000 kg) 31.9 31.9 5.60 5.10 4.60 3.90 3.20 2.60 1.70 1.00 5.7°
C 0° A B A.0 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 10.0 11.0 12.0 14.0 14.0 14.0 18.0 20.0 22.0 24.0 24.0 26.0 D Telescoping mode	12.8 B 10.7 7.9 10.7 12.8 21.10 19.00 17.10 15.50 14.00 12.80 11.70 10.70 9.80 9.00 8.30 	22.4 B 20.2 2.0 /er front 22.4 15.30 14.10 13.00 12.00 11.10 10.40 9.60 8.40 7.30 6.20 4.60 3.40 2.60 1.90 	ON RUBBEL SMA COUNTER ON RUB SMA 31.9 31.9 12.40 11.60 10.80 10.00 8.70 7.60 6.70 5.00 3.80 3.00 2.30 1.70 1.30 0.90 29° 2	R STATIONARY RT CW1 A C 0° WEIGHT 11.2 t BER CREEP RT CW1 A B 4.0 4.5 5.0 5.5 6.0 6.5 7.0 6.5 7.0 6.5 8.0 8.5 9.0 10.0 11.0 12.0 14.0 16.0 18.0 20.0 22.0 24.0 D Telescoping mode	12.8 B 10.7 2.0 360° 12.8 10.50 9.10 7.90 6.70 5.70 4.90 4.20 3.60 3.10 0° 1, 2	² Rotation 22.4 7.20 6.30 5.60 5.00 4.50 3.50 2.80 2.20 1.30 4.30 2.20 1.30	(Unit: × 1,000 kg) 31.9 31.9 5.60 5.10 4.60 3.90 3.20 2.60 1.70 1.00 5.7° 2
C 0° A B 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 10.0 11.0 12.0 14.0 16.0 18.0 20.0 22.0 24.0 26.0 D Telescoping mode 2nd Boom	12.8 B 10.7 7.9 10.7 12.8 21.10 19.00 17.10 15.50 14.00 12.80 11.70 10.70 9.80 9.00 8.30 	22.4 B 20.2 2.0 ver front 22.4 15.30 14.10 13.00 11.10 10.40 9.60 8.40 7.30 6.20 4.60 3.40 2.60 1.90 	ON RUBBEI SMA COUNTER ON RUB SMA 31.9 12.40 11.60 10.80 10.00 8.70 7.60 6.70 5.00 3.80 3.00 2.30 1.70 1.30 0.90 29° 2 0	R STATIONARY RT CW1 A C 0° WEIGHT 11.2 t BER CREEP RT CW1 A A A A A A A A A A A A A	12.8 B 10.7 2.0 360° 12.8 10.50 9.10 7.90 6.70 5.70 4.90 4.20 3.60 3.10 	² Rotation 22.4 7.20 6.30 5.60 5.00 4.50 3.50 2.80 2.20 1.30 1.30 4.3° 2.20 0	(Unit: × 1,000 kg) 31.9 31.9 5.60 5.10 4.60 3.20 2.60 1.70 1.00 5.7° 2 0
C 0° A B 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 10.0 11.0 12.0 14.0 16.0 18.0 22.0 24.0 22.0 24.0 26.0 D Telescoping mode 2nd Boom 3rd Boom	12.8 B 10.7 7.9 00 12.8 21.10 19.00 17.10 15.50 14.00 12.80 11.70 10.70 9.80 9.00 8.30 0 0 0 0 0	22.4 B 20.2 2.0 ver front 22.4 15.30 14.10 13.00 12.00 11.10 10.40 9.60 8.40 7.30 6.20 4.60 3.40 2.60 1.90 2 0 33	ON RUBBEN SMA COUNTER ON RUB SMA 31.9 31.9 12.40 11.60 10.80 10.00 8.70 7.60 6.70 5.00 3.80 3.00 2.30 1.70 1.30 0.90 29° 2 0 0 67	R STATIONARY RT CW1 A C O° WEIGHT 11.2 t BER CREEP RT CW1 A B A B A A B A B A B A B A B A B A B	12.8 B 10.7 2.0 360° 12.8 10.50 9.10 7.90 6.70 5.70 4.90 4.20 3.60 3.10 	² Rotation 22.4 7.20 6.30 5.60 5.60 5.00 4.50 3.50 2.80 2.20 1.30 1.30 4.3° 2.20 1.30	(Unit: × 1,000 kg) 31.9 31.9 5.60 5.10 4.60 3.20 2.60 1.70 1.00 57° 2 0 67
C 0° A B 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 10.0 11.0 12.0 14.0 16.0 18.0 20.0 22.0 24.0 26.0 D Telescoping mode 2nd Boom	12.8 B 10.7 7.9 10.7 12.8 21.10 19.00 17.10 15.50 14.00 12.80 11.70 10.70 9.80 9.00 8.30 	22.4 B 20.2 2.0 ver front 22.4 15.30 14.10 13.00 11.10 10.40 9.60 8.40 7.30 6.20 4.60 3.40 2.60 1.90 	ON RUBBEI SMA COUNTER ON RUB SMA 31.9 12.40 11.60 10.80 10.00 8.70 7.60 6.70 5.00 3.80 3.00 2.30 1.70 1.30 0.90 29° 2 0	R STATIONARY RT CW1 A C 0° WEIGHT 11.2 t BER CREEP RT CW1 A A A A A A A A A A A A A	12.8 B 10.7 2.0 360° 12.8 10.50 9.10 7.90 6.70 5.70 4.90 4.20 3.60 3.10 	² Rotation 22.4 7.20 6.30 5.60 5.00 4.50 3.50 2.80 2.20 1.30 1.30 4.3° 2.20 0	(Unit: × 1,000 kg) 31.9 31.9 5.60 5.10 4.60 3.20 2.60 1.70 1.00 5.7° 2 0

COUNTERWEIGHT 11.2 t ON RUBBER CREEP SMART CW1 (Unit: × 1,000 kg)									
Over front						ARIC	360° Rotation		
C A O°	C A 12.8 22.4 B B B						A 12.8 C B 0° 10.7		

A: Boom length (m) B: Load radius (m) C: Loaded boom angle (°) D: Minimum boom angle (°) for indicated length (no load)

SMART CW2 Over front 360° Rota A 12.8 22.4 31.9 A 12.8 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.5 5.0 5.0 5.5 21.20 5.5 <th< th=""><th>ation</th><th>(Unit: × 1,000 kg)</th></th<>	ation	(Unit: × 1,000 kg)
A 12.8 22.4 31.9 4.0 28.50 4.0 4.0 4.5 25.70 4.5 5.0 5.0 23.30 5.5 5.5 5.5		(01111: × 1,000 kg)
4.0 28.50 4.0 4.5 25.70 4.5 5.0 23.30 5.0 5.5 21.20 5.5	22.4	31.9
4.5 25.70 4.5 5.0 23.30 5.0 5.0 5.5 21.20 5.5 5.5		
5.0 23.30 5.0 5.5 21.20 5.5 5.5		
6.0 19.50 15.30 6.0 9.90		
6.5 17.90 15.30 6.5 8.50		
7.0 16.50 15.30 7.0 7.30		
7.5 15.20 15.30 12.50 7.5 6.40	7.90	
8.0 14.10 15.30 12.50 8.0 5.50	7.10	
8.5 13.00 14.10 12.50 8.5 4.80	6.40	
9.0 11.80 13.00 12.10 9.0 4.10	5.70	5.70
10.0 11.20 10.60 10.0 10.0	4.60	4.80
11.0 9.50 9.30 11.0	3.70	4.00
12.0 8.20 8.20 12.0	3.00	3.40
14.0 6.10 6.50 14.0	1.90	2.40
16.0 4.70 5.10 16.0	1.10	1.60
18.0 3.60 4.00 18.0		0.90
20.0 2.80 3.20 20.0		
22.0 2.50 22.0		
24.0 2.00 24.0		
26.0 1.50 26.0		
28.0 1.10 28.0		
D 0° 17° D 0°	36°	53°
Telescoping mode 1, 2 2 2 Telescoping mode 1, 2	2	2
2nd Boom 0 0 0 2nd Boom 0	0	0
3rd Boom 0 33 67 3rd Boom 0	33	67
4th Boom 0 33 67 4th Boom 0	33	67
Top Boom 0 33 67 Top Boom 0	33	67
Over front 360° Rota A 12.8 22.4 B B C A 12.8 0° 10.7 8.3 20.2 2.2 0° 10.7 2.4	ation	
SMART CW SMART CW2		(Unit: × 1,000 kg)
Over front 360° Rota	ation	
A 12.8 22.4 31.9 A 12.8	22.4	31.9
4.0 22.30 4.0		
4.5 20.00 4.5		
4.5 20.00 4.5 9 5.0 18.10 5.0 <td></td> <td></td>		
4.5 20.00 4.5 9 5.0 18.10 5.0 5.0 10 5.5 16.40 5.5		
4.5 20.00 4.5 5.0 18.10 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.5 5.5 5.5 6.0 5.5 6.0 8.80 5.5 <td></td> <td></td>		
4.5 20.00 4.5 1 5.0 18.10 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.5 <td></td> <td></td>		
4.5 20.00 4.5 4.5 5.0 18.10 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.5 5.5 5.5 5.5 5.5 6.0 8.80 6.5 7.60 6.5 7.60 7.0 6.50 7.00 6.50 7.0 6.50 7.0 6.50 7.0 7.0 7.0 6.50 7.0 6.50 7.0 6.50 7.0		
4.5 20.00 4.5 4.5 5.0 18.10 5.5 6.0 5.5 6.0 8.80 6.5 7.60 6.5 7.60 6.5 7.0 6.50 7.0 6.50 7.0 6.50 7.0 6.50 7.0 6.50 7.0 6.50 7.5 5.70 7.5 7.5 5.70 7.5 7.5 7.5	6.20	
4.5 20.00 4.5 4.5 5.0 18.10 5.5 6.0 8.80 6.0 8.80 6.5 7.60 6.5 7.60 7.0 6.50 7.0 6.50 7.0 6.50 7.5 5.70 7.5 5.70 7.5 5.70 8.0 4.90	6.30	
4.5 20.00 4.5 4.5 5.0 18.10 5.5 5.70 5.70 7.5 5.70 7.5 5.70 5.70 8.0 4.90 8.5 4.30 4.30 5 4.30 5	5.60	
4.5 20.00 4.5 4.5 1 5.0 18.10 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5.7 5.7 5.7 7.5 5.7 7.5 5.7 7.5 5.70 7.5 5.70 7.5 5.70 8.0 4.90 8.5 4.30 8.5 4.30 8.5 4.30 8.5 4.30 8.5 4.30 8.5 4.30 8.5 4.30 8.5 4.30 8.5 4.30 8.5 4.30 8.5 4.30 8.5 4.30 8.5 4.30 8.5 4.30 8.5 4.30 8.5 4.30 8.5 4.30 8.5 4.30 8.5 4.30 </td <td>5.60 5.00</td> <td></td>	5.60 5.00	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	5.60 5.00 4.10	4.50
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	5.60 5.00 4.10 3.30	3.70
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	5.60 5.00 4.10 3.30 2.70	3.70 3.10
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	5.60 5.00 4.10 3.30 2.70 1.70	3.70 3.10 2.10
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	5.60 5.00 4.10 3.30 2.70	3.70 3.10
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	5.60 5.00 4.10 3.30 2.70 1.70	3.70 3.10 2.10
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	5.60 5.00 4.10 3.30 2.70 1.70	3.70 3.10 2.10
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	5.60 5.00 4.10 3.30 2.70 1.70	3.70 3.10 2.10
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	5.60 5.00 4.10 3.30 2.70 1.70	3.70 3.10 2.10
4.5 20.00 4.5 4.5 4.5 5.0 18.10 5.0 5.0 5.0 5.0 6.0 14.90 15.30 6.0 8.80 6.5 13.60 14.90 6.5 7.60 7.0 12.40 13.70 7.5 7.5 8.0 10.50 11.80 12.20 8.5 9.70 11.00 11.40 9.0 8.90 9.40 8.5 11.0 7.80 8.30 11.0 7.80 8.30 11.0 6.80 7.10 14.0 5.00 5.50 16.0 3.80 4.20 18.0 2.90 3.30 20.0 2.20 2.60 24.0 1.10 12.0 24.0 1.10	5.60 5.00 4.10 3.30 2.70 1.70 1.00	3.70 3.10 2.10 1.40
4.5 20.00 4.5 4.5 1 5.0 18.10 5.0 5.0 5.0 5.0 6.0 14.90 15.30 6.5 5.5 6.0 6.5 13.60 14.90 6.5 7.60 7.0 12.40 13.70 7.5 6.5 7.60 7.5 11.40 12.70 12.50 8.0 4.90 8.5 9.70 11.00 11.40 8.5 4.30 9.0 8.90 10.30 10.70 9.0 3.70 10.0 8.90 9.40 11.0 9.0 3.70 11.0 7.80 8.30 11.0 12.0 14.0 5.00 5.50 14.0 14.0 14.0 2.90 3.30 18.0 20.0 22.0 2.20 2.60 22.0 22.0 24.0 1.50 26° 0°	5.60 5.00 4.10 3.30 2.70 1.70 1.00 3.7°	3.70 3.10 2.10 1.40 55°
4.5 20.00 4.5 4.5 4.5 5.0 18.10 5.0 5.0 5.0 5.0 6.0 14.90 15.30 6.5 5.5 6.0 6.5 13.60 14.90 6.5 7.60 7.0 12.40 13.70 6.5 7.60 7.5 11.40 12.70 12.50 8.0 10.50 11.80 12.20 8.5 9.70 11.00 11.40 9.0 8.90 10.30 10.70 10.0 8.90 9.40 11.0 7.80 8.30 11.0 7.80 8.30 11.0 2.90 3.30 11.0 2.90 3.30 20.0 2.20 2.60 22.0 2.20 2.60 22.0 1.10 22.0 24.0 1.2 2 2 2 0° 7 1.2	5.60 5.00 4.10 3.30 2.70 1.70 1.00 3.7° 2	3.70 3.10 2.10 1.40 55° 2
4.5 20.00 4.5 4.5 5.0 18.10 5.5 5.6 5.6 5.6 5.6 6.0 14.90 15.30 5.5 6.0 8.80 6.5 13.60 14.90 6.5 7.60 6.5 7.0 12.40 13.70 7.0 6.50 7.0 8.0 10.50 11.80 12.20 8.0 4.90 8.5 9.70 11.00 11.40 8.5 4.30 9.0 8.90 9.40 10.0 8.5 4.30 11.0 7.80 8.30 11.0 8.5 4.30 12.0 6.80 7.10 12.0 14.0 10.0 14.0 5.00 5.50 14.0 11.0 12.0 14.0 2.90 3.30 12.0 16.0 18.0 20.0 2.20 2.00 22.0 22.0 24.0 1.50 24.0 22.0 26.0 1.10 26.0 0° D 0° 26° D 0° $Telescoping mode$ $1,2$ 2 2 $2nd Boorn$ 0 0 0 0	5.60 5.00 4.10 3.30 2.70 1.70 1.00 37° 2 0	3.70 3.10 2.10 1.40 55° 2 0
4.5 20.00 4.5 4.5 4.5 5.0 18.10 5.5 5.6 5.6 5.6 5.6 5.6 5.6 5.6 6.0 8.80 6.5 13.60 14.90 6.5 7.60 6.5 7.60 7.0 12.40 13.70 7.0 6.50 7.5 8.0 10.50 11.80 12.20 8.5 4.30 8.5 9.70 11.00 11.40 8.5 4.30 9.0 8.90 10.30 10.70 9.0 3.70 11.0 7.80 8.30 11.0 12.0 6.80 14.0 5.00 5.50 14.0 12.0 16.0 2.20 2.60 22.0 16.0 22.0 2.20 2.60 22.0 22.0 24.0 1.50 24.0 22.0 26.0 0° 26° 0° D 0° 26° D 0° $2nd Boom$ 0 33 67	5.60 5.00 4.10 3.30 2.70 1.70 1.00 337° 2 0 333	3.70 3.10 2.10 1.40 55° 2 0 67
4.5 20.00 4.5 4.5 5.0 18.10 5.5 5.6 5.6 5.6 5.6 6.0 14.90 15.30 5.5 6.0 8.80 6.5 13.60 14.90 6.5 7.60 6.5 7.0 12.40 13.70 7.0 6.50 7.0 8.0 10.50 11.80 12.20 8.0 4.90 8.5 9.70 11.00 11.40 8.5 4.30 9.0 8.90 9.40 10.0 8.5 4.30 11.0 7.80 8.30 11.0 8.5 4.30 12.0 6.80 7.10 12.0 14.0 10.0 14.0 5.00 5.50 14.0 11.0 12.0 14.0 2.90 3.30 12.0 16.0 18.0 20.0 2.20 2.00 22.0 22.0 24.0 1.50 24.0 22.0 26.0 1.10 26.0 0° D 0° 26° D 0° $Telescoping mode$ $1,2$ 2 2 $2nd Boorn$ 0 0 0 0	5.60 5.00 4.10 3.30 2.70 1.70 1.00 37° 2 0	3.70 3.10 2.10 1.40 55° 2 0

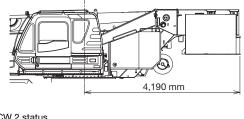
COUNTERWEIGHT 11.2 t ON RUBBER CREEP SMART CW2 (Unit: × 1,000 kg)										
	Over front						360° Rotation			
C A C O°	A 12.8 22.4 B B						A 12.8 B 0° 10.7 2.3			

A: Boom length (m) B: Load radius (m) C: Loaded boom angle (°) D: Minimum boom angle (°) for indicated length (no load)

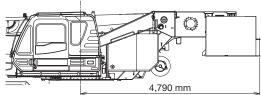
SMART COUNTERWEIGHT

You can increase the capacity by changing the mounting position of the counterweight.

SMART CW 1 status



SMART CW 2 status



• SMART CW 1: Counterweight is mounted at the front.

• SMART CW 2: Counterweight is mounted at the rear.

WARNING AND OPERATING INSTRUCTIONS FOR ON RUBBER LIFTING CAPACITIES

NOTES FOR ON-RUBBER LIFTING CAPACITIES

- 1. Rated lifting capacities on rubber based on crane stability are according to ISO 4305.
- Rated lifting capacities shown in the chart are based on condition that crane is set on firm level surfaces with suspension-lock applied. They are based on actual load radius increased by tire deformation and boom deflection.
- If the suspension-lock cylinders contain air, the axle will not be locked completely and rated lifting capacities may not be obtainable. Bleed the cylinders according to the operation safety and maintenance manual.
- Rated lifting capacities are based on proper tire inflation, capacity and condition. Damaged tires are hazardous to safe operation of crane.
- 5. Tires shall be inflated to correct air pressure.

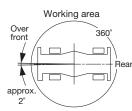
Tires	Air Pressure
29.5–25 36PR	470 kPa
29.5–25 40PR	465 kPa

- 6. Over front operation shall be performed within 2 degrees in front of chassis. When boom is out of 2 degrees in front of chassis, 360° capacities are effective.
- 7. On-rubber lifting with "jib" is not permitted. Maximum permissible boom length is 31.9 m.
- 8. When making lift on-rubber stationary, set parking brake.
- For creep operation, travel slowly and keep the lifted load as close to the ground as possible, and especially avoid any abrupt steering, accelerating or braking.
- 10. Do not operate the crane while carrying the load.
- 11. Creep is motion for crane not to travel more than 60 m in any 30 minute period and to travel at the speed of less than 1.6 km/h.
- 12. For creep operation, choose the drive mode and proper gear according to the road or working condition.

 The lifting capacity data stored in the AUTOMATIC MOMENT LIMITER (AML-E2) is based on the standard number of parts of line listed in the chart.
 Standard number of parts of line for on-rubber operation

Standard number of parts of line for on-rubber operation should be according to the following table.

Boom length	12.8 m	12.8 m to 31.9 m	Single top jib	
Number of parts of line	6	4	1	



WARNING AND OPERATING INSTRUCTIONS

NOTES FOR LIFTING CAPACITIES

GENERAL

- RATED LIFTING CAPACITIES apply only to the machine as originally manufactured and normally equipped by TADANO LTD. Modifications to the machine or use of optional equipment other than that specified can result in a reduction of capacity.
- 2. Hydraulic cranes can be hazardous if improperly operated or maintained. Operation and maintenance of this machine must be in compliance with information, in the Operation Manual supplied with the crane. If this manual is missing, order a replacement through the distributor.

SET UP

- Rated lifting capacities on the chart are the maximum allowable crane capacities and are based on the machine standing level on firm supporting surface under ideal job conditions. Depending on the nature of the supporting surface, it may be necessary to have structural supports under the outrigger floats or tires to spread the loads to a larger bearing surface.
- 2. For outrigger operation, outriggers shall be properly extended with tires free of supporting surface before operating crane.

OPERATION

- 1. Rated lifting capacities based on crane stability are according to ISO 4305.
- 2. Rated lifting capacities are based on actual load radius increased by boom deflection.
- 3. The weight of handling device such as hook blocks, slings, etc., must be considered as part of the load and must be deducted from the lifting capacities.
- 4. Rated lifting capacities are based on freely suspended loads and make no allowance for such factors as the effect of wind,sudden stopping of loads, supporting surface conditions, inflation of tires, operating speeds, side loads, etc. Side pull on boom or jib is extremely dangerous. Such action can damage the boom, jib or slewing mechanism, and lead to overturning of the crane.
- 5. Rated lifting capacities do not account for wind on lifted load or boom. We recommend against working under the condition that the load is out of control due to a strong wind. During boom lift,consider that the rated lifting capacity is reduced by 50% when the wind speed is 9m/s to 12m/s; reduced by 70% when the wind speed is 12 m/s to 14 m/s. If the wind speed is 14 m/s or over, stop operation. During jib lift, stop operation if the wind speed is 9 m/s or over.
- 6. Rated lifting capacities at load radius shall not be exceeded. Do not tip the crane to determine allowable loads.
- 7. Do not operate at boom lengths, radii,or boom angle, where no capacities are shown. Crane may overturn without any load on the hook.
- 8. When boom length is between values listed, refer to the rated lifting capacities of the next longer and next shorter booms for the same radius. The lesser of the two rated lifting capacities shall be used.
- 9. When making lifts at a load radius not shown, use the next longer radius to determine allowable capacity.
- 10. Load per line should not exceed 6,600 kg for main winch and auxiliary winch.
- 11. Check the actual number of parts of line with AUTOMATIC MOMENT LIMITER (AML-E2) before operation. Maximum lifting capacity is restricted by the number of parts of line of AUTO-MATIC MOMENT LIMITER (AML-E2). Limited capacity is as determined from the formula, Single line pull for main winch 6,600 kg × number of parts of line.
- 12. The boom angle before loading should be greater to account for

deflection. For rated lifting capacities, the loaded boom angle and the load radius is for reference only.

- 13. The 12.8 m boom length capacities are based on boom fully retracted. If not fully retracted [less than 17.6 m boom length], use the rated lifting capacities for the 17.6 m boom length.
- 14. Extension or retraction of the boom with loads may be attempted within the limits of the RATED LIFTING CAPACITIES. The ability to telescope loads is limited by hydraulic pressure, boom angle, boom length, crane maintenance, etc.
- 15. For lifting capacity of single top, deduct the weight of the load handling equipment from the rated lifting capacity of the boom. For the lifting capacity of single top, the net capacity shall not exceed 6,600 kg including the main boom hook mass attached to the boom.
- 16. When the base jib or top jib or both jibs are dismounted, set the jib state switch to the DISMOUNTED position.
- 17. When erecting and stowing jib, be sure to retain it by hand or by other means to prevent its free movement.
- Use "ANTI-TWOBLOCK" disable switch when erecting and stowing jib and when stowing hook block. While the switch is pushed, the hoist does not stop, even when overwind condition occurs.
- 19. When lifting a load by using jib (aux.winch) and boom (main winch) simultaneously, do the following:
 - Enter the operation status as jib operation, not as boom operation.
 - Before starting operation, make sure that mass of load is within rated lifting capacity for jib.
- 20. Before telescoping the boom, set the telescoping mode selector switch to mode 1 or mode 2 with the boom fully retracted. A change of the telescoping mode is not permissible when the boom has been partially or fully extended.
- 21. Traveling on road in a special steering mode (four-wheel steering,four-wheel sideways steering, etc.) is very danger-ous,and must be strictly avoided. Drive the machine in two-wheel steering mode only. Special steering modes should only be used for low speed travel within work sites.
- Crane operation is prohibited without full counterweight 11.2 ton mounted. Outriggers shall be extended 7.3 m spread when mounting or dismounting removable counterweight.
- The lifting capacity data stored in the AUTOMATIC MOMENT LIMITER (AML-E2) is based on the standard number of parts of line listed in the chart.

Boom length	12.8 m ★	12.8 m 12.8 m to 22.4 m		22.4 m to 51.0 m	Single top jib	
Telescoping mode	1, 2	1, 2	1	2	1, 2	1, 2
Number of parts of line	18	14	8	4	4	1

Standard number of parts of line for each boom length should be according to the following table.

★ With attachment sheaves

DEFINITIONS

- 1. Load Radius: Horizontal distance from a projection of the axis of rotation to supporting surface before loading to the center of the vertical hoist line or tackle with load applied.
- 2. Loaded Boom Angle: The angle between the boom base section and the horizontal, after lifting the rated lifting capacity at the load radius.
- 3. Working Area: Area measured in a circular arc about the centerline of rotation.
- 4. Freely Suspended Load: Load hanging free with no direct external force applied except by the hoist line.
- 5. Side Load: Horizontal side force applied to the lifted load either on the ground or in the air.

NOTES FOR AUTOMATIC MOMENT LIMITER (AML-E2)

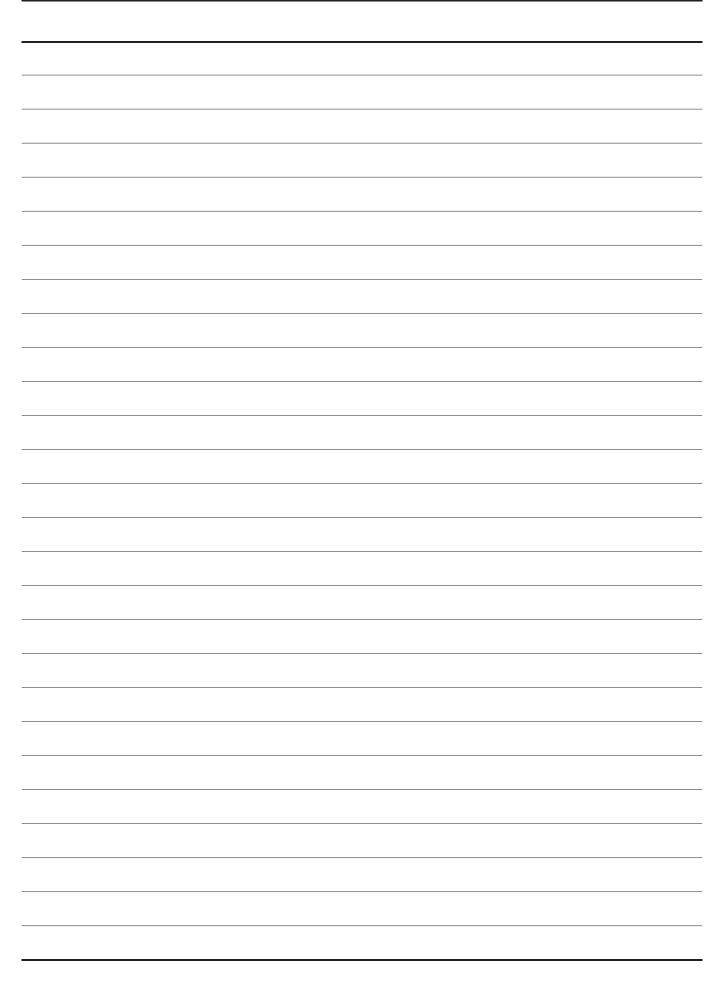
- 1. Set AML select keys in accordance with the actually operating crane conditions and don't fail to make sure, before crane operation, that the displays on front panel are correct.
- 2. When operating crane on outriggers:
 - Set "P.T.O." switch to "ON".
 - Press the outrigger state select key to register for the outrigger operation. If the display agrees with the actual state, press the set key to register. After the completion of the registration, the display returns to the crane operation status.
 - Press the lift state select key to register the lift state to be used (single top/jib/boom).
 - Each time the lift state select key is pressed, the display changes. If the display agrees with the actual state, press the set key to register. After the completion of the registration, the display returns to the crane operation status.
 - When erecting and stowing jib,select the status of jib set (Jib state indicative symbol lights up).
- 3. When operating crane on-rubber:
 - Set "P.T.O." switch to "ON".
 - Press the outrigger state select key to register for the on-rubber operation. Each time the outrigger state select key is pressed, the display changes. Select the creep operation, the on-rubber state indicator symbol lights up.
 - Press the lift state select key to register the lift state. However, pay attention to the following. For stationary operation.
 - The front capacities are attainable only when the over front position symbol comes on. When the boom is more than 2 degrees from centered over front of chassis, 360° capacities are in effect.
 - When a load is lifted in the front position and then slewed to the side area, make sure the value of the AUTOMATIC MOMENT LIMITER (AML-E2) is below the 360° lifting capacity.

- 4. This machine is equipped with an automatic slewing stopping device. (For the details, see Operation and Maintenance Manual.) But,operate very carefully because the automatic slewing stop does not work in the following cases.
 During on-rubber operation.
- When the AML emergency operation switch is set to "ON". 5. During crane operation, make sure that the displays on front
- panel are in accordance with actual operating conditions. 6. The displayed values of AUTOMATIC MOMENT LIMITER
- b. The displayed values of AUTOMATIC MOMENT LIMITER (AML-E2) are based on freely suspended loads and make no allowance for such factors as the effect of wind, sudden stopping of loads, supporting surface conditions, inflation of tire,operating speed, side loads, etc. For safe operation, it is recommended when extending and lowering boom or slewing, lifting loads shall be appropriately reduced.
- 7. AUTOMATIC MOMENT LIMITER (AML-E2) is intended as an aid to the operator. Under no condition should it be relied upon to replace use of capacity charts and operating instruction. Sole reliance upon AUTOMATIC MOMENT LIMITER (AML-E2) aids in place of good operating practice can cause an accident. The operator must exercise caution to assure safety.
- 8. The lifting capacity differs depending on the outrigger extension width and slewing position. Work with the capacity corresponding to the outrigger extension width and slewing position. For the relationship among the outrigger extension width, slewing position and lifting capacities, refer to the working area charts.

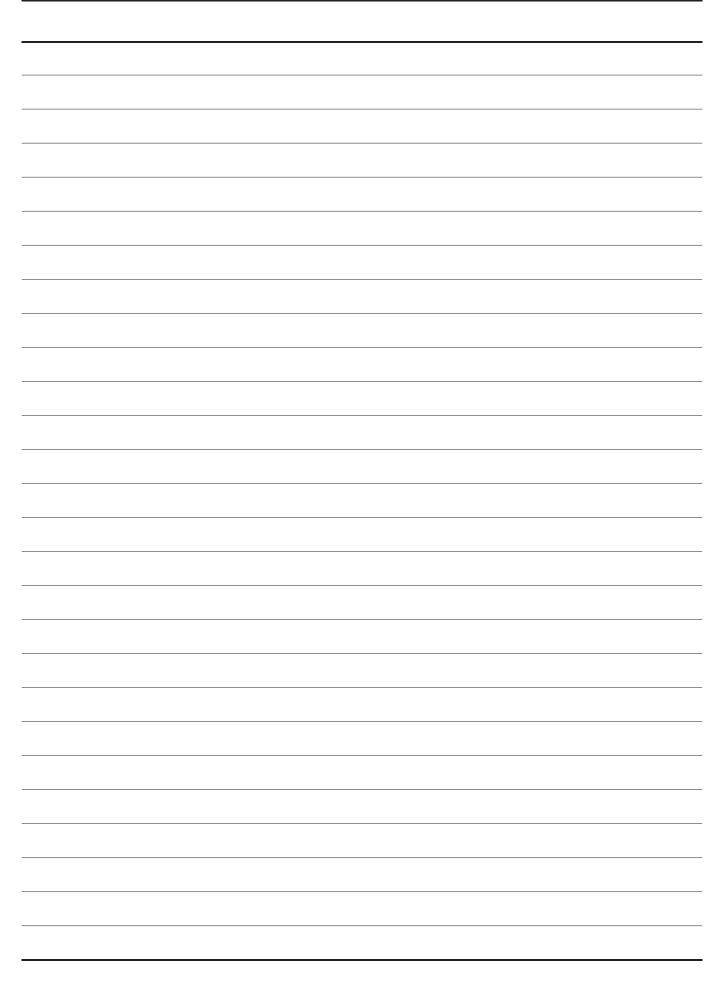
GR-1000EX-4 AXLE WEIGHT DISTRIBUTION CHART

			Kilograms		
		GVW	Front	Rear	
Base machine incl. Jib storage,	Top Jib and Base Jib	55,050	26,400	28,650	
Add:	1. 100 ton 7 sheaves hook block (option)	750	1,386	-636	
	2. 50 ton 5 sheaves hook block (option)	500	924	-424	
	3. 35 ton 3 sheaves hook block (option)	450	832	-382	
Remove:	1. 6.6 ton hook block	-165	-251	86	
	2. Top jib (option)	-336	-534	198	
	3. Base jib (option)	-867	-1,886	1,019	
	4. Removable counterweight	-11,200	4,296	-15,496	
Smart Counterw	eight (SMART CW2)	0	-1,700	1,700	

MEMO



MEMO





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