

CRANE SPECIFICATIONS

BOOM

5 section full power partially synchronized telescoping boom of round box construction with 5 sheaves at boom head. The synchronization system consists of 2 telescope cylinder, 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...... 11.0 m Fully extended length 43.0 m Extension speed...... 32.0 m in 128 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.

JIB

2 stage swing around boom extention swing around type with triple offset (tilt type). Single sheave at jib head. Stows alongside base boom section

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Length	10.1 m, 17.7 m
Offset	
Root diameter	

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 2.4 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 0.6 m
Wire rope diameter x length	19 mm x 235 m
Drum capacity	304 m, 7 layers
Maximum single line pull (1st layer)	
Maximum permissible linepull wire strength	69.4 kN (7,085 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 0.6 m
Wire rope diameter x length	19 mm x 133 m
Drum capacity	304 m, 7 layers
Maximum single line pull (1st layer)	73.3 kN (7,480 kgf)
Maximum permissible linepull wire strength	69.4 kN (7,085 kgf)

WIRE ROPE

Filler or warrington seal wire (spin-resistant), extra improved plow steel, preformed, independent wire rope core, right regular lay. Main & Auxillary 19 mm 6 x 31 class

HOOK BLOCKS

60 ton (option)

- 6 sheaves with swivel hook and safety latch
- 35 ton (option)
- 3 sheaves with swivel hook and safety latch 5.6 ton

Weighted hook with swivel and safety latch

HYDRAULIC SYSTEM PUMPS

2 variable piston pumps for crane functions. Tandem gear pump for steering, slewing and optional equipment. 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

763 liters capacity. External sight level gauge.

FII TRATION

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.

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 indshield 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 engine start/stop, monitor lamps, cigarette lighter, 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, and slewing free/ lock selector switch.

Instruments - Torque converter oil temperature, engine water temperature, air pressure, fuel, speedometer, tachometer, hour meter and odometer / tripmeter. Engin over-run alarm. Back-up alarm. Low oil pressure/high water temp. Warning device (visual). Rear steer centering light. Hydraulic oil pressure is monitored and displayed on the AML-C display panel.

CRANE SPECIFICATIONS

TADANO Automatic Moment Limiter

(AML-C) 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
 hoom algorithm and algorithm
- boom elevation and slewingWorking condition register switch
- Load radius / boom angle / tip height / slewing range preset function
- External warning lamp
- Tare function

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. 24 volt
Starting	2
Charging	24 volt system, negative ground 2-120 amp. Hour
Battery 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	700 at 1,400 min
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

GRADE ABILITY (tan θ) - 147% (at stall), 30% *

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

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

TADANO AML-C 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 flood lamp switch, roof washer and wiper switch, emergency outrigger set up key switch, jib status switch, eco mode switch, and air conditioning control switch. Lower right console includes 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 22PR (OR) Air pressure: 350 kPa or 29.5-25 28PR (OR) Air pressure: 330 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
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
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COUNTERWEIGHT

Integral with slewing frame Mass... 5,670 kg (Containing weight with auxiliary winch and wire rope)

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

OPTIONAL EQUIPMENT

- Wind speed indicator
- Hook block-60 t capacity
- (6 sheaves, swivel type with safty latch. Mass: approx. 540 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											
Layer	Line speeds ¹	Line pulls Available ²										
	m/min	kN (kgf)										
1st	101	73.3 (7,480)										
2nd	110	67.6 (6,900)										
3rd	119	61.4 (6,260)										
4th	128	56.5 (5,760)										
5th	137	52.9 (5,400)										
6th	146	48.9 (4,990)										
7th ³	155	45.8 (4,670)										

- Maximum permissible line pull wire strength. Main & Auxiliary: 69.4 kN (7,085 kgf) with 6 x 31 class rope.

- 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 Eighth layer of wire rope are not recommended for hoisting operations.

- Fenders - Air dryer
- Water separator with filter (high filtration)
- Air cleaner dust indicator
- Full instrumentation package
- Tire inflation kit
- Towing hooks-Front and rear
- Lifting eyes
- Hook block tie down (front bumper)
- Weighted hook storage compartment
- Winch drum mirror
- Tool storage compartment

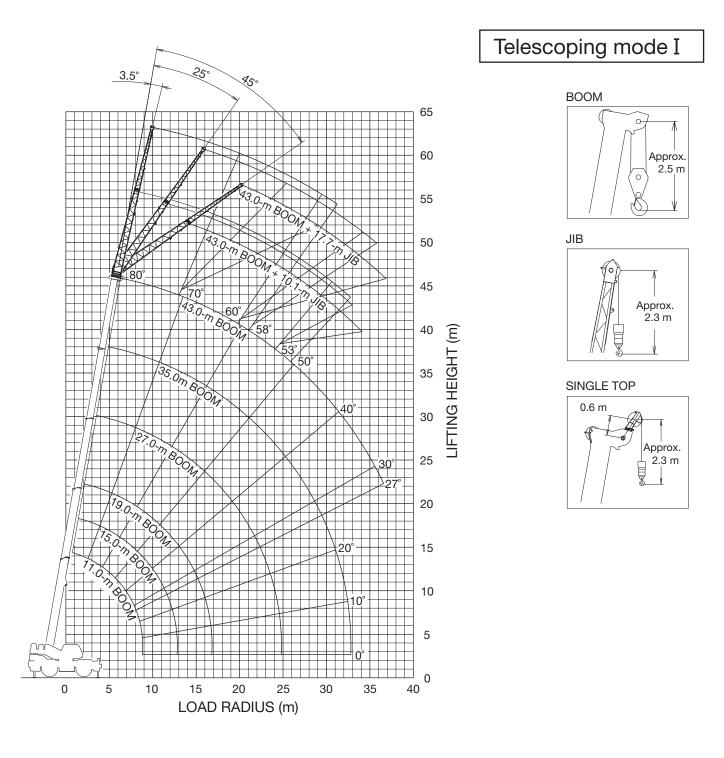
DRUM WIRE ROPE CAPACITIES

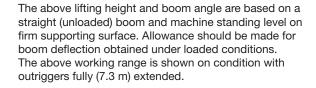
	Main and auxiliary drum grooved lagging										
Wire	19 mm wire rope										
rope	Rope per layer	Total wire rope									
layer	m	m									
1	34.2	34.2									
2	37.3	71.5									
3	40.3	111.8									
4	43.4	155.2									
5	46.4	201.6									
6	49.5	251.1									
7	52.6	303.7									

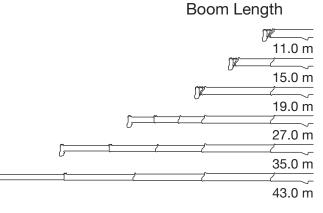
DRUM DIMENSIONS

Root diameter	362 mm
Length	600 mm
Flange diameter	657 mm

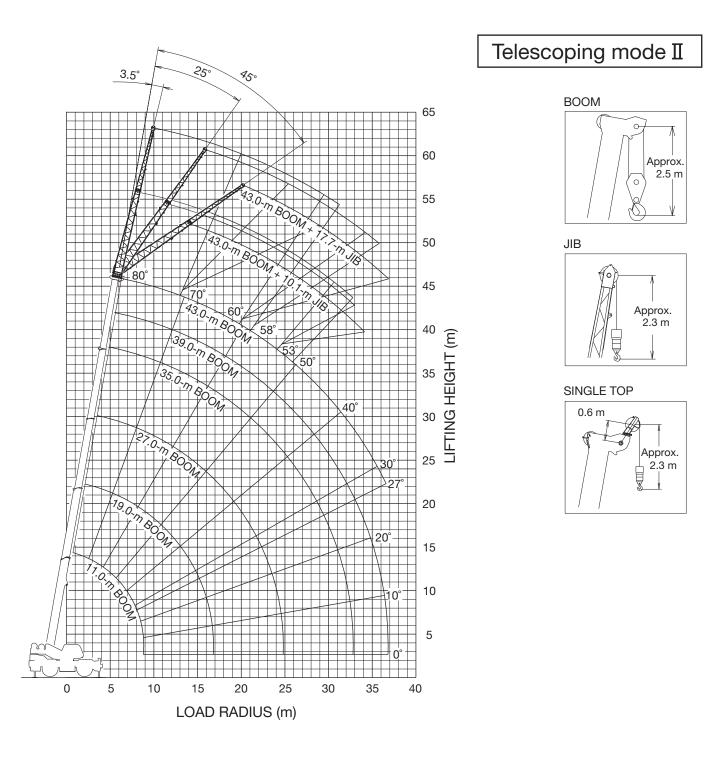
GR-600EX WORKING RANGE CHART



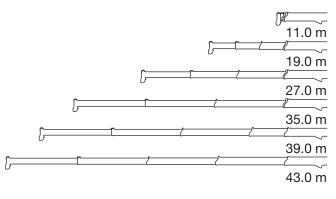




GR-600EX WORKING RANGE CHART



The above lifting height and boom angle are based on a straight (unloaded) boom and machine standing level on firm supporting surface. Allowance should be made for boom deflection obtained under loaded conditions. The above working range is shown on condition with outriggers fully (7.3 m) extended.



						ON OU		GERS F 0° ROTA				0 7.3 m 000 kg)	SPRI	EAD							
A	-	1.0 m		5.0 m		10		0 11017		(-	. ^ IC	00 Kg)		0.5	0		0	9.0 m	4	43.0 m	
В	С	11.0 m	C	5.0 m		19	<u>0 m</u>			27			35.0 m					9.0 m	- 4 C	3.0 m	
3.0	68	60.0	74	40.8	78	32.0	78	22.0			0										
3.5	65	54.9	72	40.8	76	32.0	76	22.0													
4.0	62	53.8	70	40.8	75	32.0	75	22.0													
4.5	59	47.7	68	40.8	73	32.0	73	22.0	78	22.0	78	17.0									
5.0	56	42.8	66	40.8	72	32.0	72	22.0	77	21.3	77	17.0									
5.5	52	38.7	64	37.5	70	32.0	70	22.0	76	20.3	76	17.0									
6.0	48	35.3	61	34.6	68	31.9	68	22.0	75	19.4	75	17.0									
6.5	44	32.4	59	32.0	67	30.3	67	22.0	74	18.6	74	16.2	79	14.0	79	12.0					
7.0	39	29.9	57	29.6	65	28.8	65	22.0	73	17.8	73	15.6	78	13.5	78	11.7					
7.5	34	27.7	54	27.4	64	25.8	63	22.0	72	17.7	72	14.9	77	13.0	77	11.3					
8.0	28	25.7	52	24.9	62	23.2	61	22.0	71	17.6	71	14.4	76	12.6	76	10.9	78	10.0			
8.5	20	22.6	49	22.0	60	21.0	60	22.0	70	17.5	70	13.9	75	12.2	76	10.5	77	10.0			
9.0			47	19.5	58	19.1	58	21.7	68	17.4	69	13.4	75	11.9	75	10.2	76	10.0	80	9.0	
10.0			40	15.8	54	15.3	54	17.8	66	15.7	66	12.4	73	11.8	73	9.5	75	9.6	78	8.7	
11.0			34	13.0	50	12.6	50	15.0	64	13.6	64	11.5	71	11.6	71	8.9	73	9.1	77	8.3	
12.0			25	10.9	46	10.5	46	12.8	62	11.6	62	10.6	69	11.4	70	8.5	72	8.6	75	7.9	
14.0					36	7.6	36	9.7	56	8.6	56	9.3	66	9.1	66	7.7	69	7.9	72	7.4	
16.0					22	5.5	21	7.5	51	6.5	51	7.9	62	7.0	62	6.7	66	7.4	71	7.3	
18.0									45	5.0	45	6.4	58	5.5	58	5.9	62	6.1	66	5.7	
20.0									39	3.9	38	5.2	54	4.4	54	5.2	59	4.9	63	4.6	
22.0									30	3.1	29	4.3	50	3.5	50	4.5	55	4.1	60	3.7	
24.0									17	2.4	17	3.6	45	2.8	46	3.7	51	3.3	56	3.0	
26.0													40	2.2	40	3.2	47	2.8	53	2.4	
28.0													34	1.7	34	2.7	43	2.3	49	1.9	
30.0													27	1.3	27	2.3	38	1.9	45	1.5	
32.0													16	1.0	16	1.9	32	1.5	41	1.2	
34.0																	25	1.2	36	0.9	
36.0																	14	1.0			
D									C)°										27°	
								Telesc	opin	g condit	ions	(%)									
Telescoping Mode		Ι, Π		I		I		П		I		П		I		П		П		Ι, П	

Ivioue	-/-	-	-	_	-	_	-	_	_	- /	
2nd boom	0	50	100	0	100	0	100	0	50	100	
3rd boom	0	0	0	33	33	66	66	100	100	100	
4th boom	0	0	0	33	33	66	66	100	100	100	
Top boom	0	0	0 0 33 33 66 66 100 100 100								
	LIFTIN	IG CAPACIT				E ON OUTRI		LY EXTEND	ED		

	7.3 m SPREAD 360° ROTATION (Unit: ×1000 kg)													
C A	<u>1</u> 1.0 m	<u>1</u> 5.0 m	19.	<u>0 m</u>	27	. <u>0 m</u>	35	.0 m	<u>3</u> 9.0 m					
0° 8	8.8 13.6	12.9 7.5	16.9 4.8	16.8 6.2	24.9 2.1	24.6 3.4	32.9 0.9	32.7 1.7	36.3 0.8					
Telescoping Mode	I,Π	Ι	I	п	I	п	I	п	П					

						ON OI		GGERS OVER S		EXTENI (Unit: >			PREA	٩D							
	A 11.0 m 15.0 m 19.0 m							27.0 m				35.0 m				3	9.0 m	43.0 m			
В	c	1.0 111	C	0.0	C				C 21								S3.0 III		С	0.0 111	
3.0	68	59.6	75	40.8	78	32.0	78	22.0													
3.5	65	53.3	72	40.8	76	32.0	76	22.0													
4.0	62	48.0	70	40.8	75	32.0	75	22.0													
4.5	59	43.5	68	40.8	73	32.0	73	22.0	78	22.0	79	17.0									
5.0	56	39.7	66	39.5	71	32.0	71	22.0	77	21.3	77	17.0									
5.5	52	36.4	64	36.2	70	32.0	70	22.0	76	20.3	77	17.0									
6.0	48	33.5	62	33.3	68	31.8	68	22.0	75	19.4	75	17.0									
6.5	44	31.0	59	30.8	67	27.9	66	22.0	74	18.6	74	16.2	79	14.0	79	12.0					
7.0	40	28.8	57	27.4	65	24.8	65	22.0	73	17.8	73	15.6	78	13.5	78	11.7					
7.5	34	25.5	54	24.4	63	22.2	63	22.0	72	17.7	72	14.9	78	13.0	77	11.3					
8.0	28	22.3	52	21.6	61	20.0	61	22.0	71	17.6	71	14.4	76	12.6	77	10.9	78	10.0			
8.5	20	19.7	49	19.0	59	18.1	60	20.9	70	17.4	70	13.9	75	12.2	76	10.5	77	10.0			
9.0			47	17.0	58	16.5	58	19.1	68	16.0	69	13.4	74	11.9	75	10.2	76	10.0	79	9.0	
10.0			41	13.7	54	13.3	54	15.7	66	13.7	66	12.4	73	11.8	73	9.5	75	9.6	78	8.7	
11.0			34	11.3	50	11.0	50	13.2	64	11.9	64	11.5	71	11.5	71	8.9	74	9.1	76	8.3	
12.0			25	9.4	45	9.1	46	11.3	62	10.2	62	10.6	69	10.1	70	8.5	72	8.6	75	7.9	
14.0					38	6.5	36	8.6	56	7.5	57	8.9	66	8.0	66	7.7	69	7.9	72	7.4	
16.0					21	4.7	21	6.7	51	5.7	51	7.0	62	6.2	63	6.7	66	6.8	69	6.4	
18.0									45	4.4	45	5.7	58	4.8	59	5.8	62	5.4	66	5.1	
20.0									38	3.4	38	4.6	54	3.8	54	4.8	59	4.4	63	4.0	
22.0									30	2.6	29	3.8	49	3.0	50	3.9	55	3.6	59	3.2	
24.0									17	1.9	16	3.2	44	2.4	45	3.3	51	2.9	56	2.6	
26.0													40	1.8	40	2.8	47	2.4	52	2.0	
28.0													34	1.4	34	2.3	42	1.9	48	1.6	
30.0													27	1.0	27	1.9	37	1.5	44	1.2	
32.0															17	1.6	32	1.2	40	0.9	
34.0																	25	0.9		2 2 3	
D									C	, 										30°	
[]								Telesc	opin	g condit	ions	(%)							1		
Telescoping Mode		Ι,Π		Ι		Ι		П		Ι		Π		Ι		П		П		I, ∏	
2nd boom		0		50		100 0			100		0	1	00	0			50		100		
3rd boom		0		0		0		33		33		66	66		100		100		100		
4th boom		0		0		0		33		33		66		66	100			100		100	
Top boom		0		0		0		33		33		66		66		100		100		100	

	0	0	0	00		00	00	100	100	100				
Top boom	0	0	0	33	33	66	66	100	100	100				
	LIFT	ING CAPAC				LE ON OUT Unit: ×1000 I		ID EXTENDE	D					
A														
<u> </u>	8.8 13.5	12.9 7.5	16.8 4.2	16.8 6.1	24.9 1.7	24.6 3.0	32.8 0.6	32.7 1.4	36.4 0.6					
Telescoping Mode	Ι,Π	I			I	П	I	П	П					

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

	ON OUTRIGGERS MID EXTENDED 5.5 m SPREAD OVER SIDE (Unit: ×1000 kg) A 11.0 m 15.0 m 19.0 m 27.0 m 35.0 m 39.0 m 43.0 m																			
	1	1.0 m	1	5.0 m		19				``		3/	1	35	0 m		3	9.0 m	Δ	3.0 m
В	С		c i	0.0	С		C		С				С		C		C	0.0	С	0.0
3.0	68	55.6	74	40.8	78	32.0	78	22.0												
3.5	65	49.4	72	40.8	76	32.0	76	22.0												
4.0	62	44.3	70	40.8	75	32.0	75	22.0												
4.5	59	40.0	68	39.5	73	32.0	73	22.0	78	22.0	79	17.0								
5.0	56	36.3	66	33.2	72	29.6	71	22.0	77	21.3	77	17.0								
5.5	52	32.7	64	28.5	70	25.5	70	22.0	76	20.3	76	17.0								
6.0	48	28.4	62	24.9	69	22.4	68	22.0	75	19.4	75	17.0								
6.5	44	24.2	59	21.9	67	19.8	66	22.0	74	18.5	74	16.2	79	14.0	79	12.0				
7.0	40	20.8	57	19.5	65	17.7	65	20.4	73	16.8	73	15.6	78	13.5	78	11.7				
7.5	34	18.1	54	17.5	63	15.9	63	18.5	72	15.2	72	14.9	77	13.0	77	11.3				
8.0	28	16.0	52	15.5	62	14.3	61	16.9	71	13.9	71	14.4	76	12.6	77	10.9	78	10.0		
8.5	20	14.2	50	13.7	60	13.0	59	15.5	70	12.8	70	13.9	75	12.1	76	10.5	77	10.0		
9.0			47	12.3	58	11.8	58	14.2	68	11.7	69	13.4	74	11.2	75	10.2	77	10.0	79	9.0
10.0			40	9.9	54	9.6	54	11.8	66	10.0	66	11.6	73	9.7	73	9.5	75	9.6	78	8.7
11.0			33	8.1	50	7.8	50	10.0	64	8.6	64	10.2	71	8.5	71	8.9	74	8.9	77	8.2
12.0			24	6.7	46	6.5	45	8.5	61	7.5	61	8.9	69	7.4	70	8.5	72	7.9	75	7.2
14.0					36	4.4	35	6.4	56	5.4	56	6.8	66	5.8	66	6.9	69	6.3	72	5.7
16.0					22	3.0	21	4.9	51	4.0	51	5.3	62	4.4	62	5.4	65	5.0	69	4.6
18.0									45	2.9	45	4.2	58	3.4	59	4.3	62	3.9	66	3.6
20.0									38	2.1	37	3.3	54	2.6	55	3.5	58	3.1	62	2.8
22.0									30	1.5	29	2.7	49	1.9	50	2.8	55	2.5	59	2.1
24.0									18	0.9	15	2.1	45	1.4	45	2.3	51	1.9	55	1.6
26.0													39	0.9	40 34	1.8	46	1.5	52	1.2
28.0 30.0															34 27	1.5 1.2	42	1.1		
32.0															16	0.9				
 							0°							26°	16	0°		31°		43°
							0	Telesc	opin	g condit	ions	(%)		20		0		31		43
Telescoping Mode		Ι, П		Ι		I		П		I		П		Ι		П		П	I	, П
2nd boom		0		50		100		0	1	00		0		100		0		50	1	00
3rd boom		0		0		0	:	33		33		66		66		100	1	00	1	00
4th boom		0		0		0	:	33		33		66		66		100	1	00	1	00
Top boom		0		0		0	:	33		33		66		66		100	1	00	1	00

	LIFTIN	NG CAPACIT	IES AT ZERO 5.5 m SF			E ON OUTRI nit: ×1000 kg	GGERS MID EXTENDED	
C A	<u>1</u> 1.0 m	<u>1</u> 5.0 m	19. в	0 m в	В	.0 m B	35.0 m	
0°	8.8 12.5	12.9 5.6	16.9 2.5	16.8 4.5	24.9 0.7	24.5 2.0	32.8 0.6	
Telescoping Mode	Ι, П	I	I	П	I	П	П	

	ON OUTRIGGERS MIN EXTENDED 2.7 m SPREAD																			
								OVER S	IDE	(Unit: >	(100	0 kg)								
A	1	1.0 m	1	5.0 m		19	.0m			27	.0 m			35	.0 m		3	9.0 m		3.0 m
В	С		С		С		С]	С		С		С]	С		С		С	
3.0	68	26.3	74	22.3	78	19.3	78	22.0												
3.5	65	21.4	72	18.3	76	16.0	76	18.7												
4.0	62	17.8	70	15.4	75	13.5	75	16.1												
4.5	59	15.0	68	13.1	73	11.5	73	14.0	78	10.9	78	12.5								
5.0	55	12.9	66	11.3	72	9.9	71	12.3	77	9.5	77	11.1								
5.5	52	11.2	64	9.8	70	8.6	69	10.9	76	8.4	76	10.0								
6.0	48	9.8	61	8.5	68	7.5	68	9.8	75	7.5	75	9.0								
6.5	44	8.6	59	7.4	67	6.6	66	8.8	74	6.7	74	8.2	78	6.4	79	7.5				
7.0	40	7.6	57	6.5	65	5.7	64	7.9	73	6.0	72	7.4	77	5.8	78	6.9				
7.5	34	6.6	55	5.7	63	5.0	63	7.1	71	5.3	71	6.8	76	5.2	77	6.3				
8.0	28	5.7	52	5.0	61	4.3	61	6.5	70	4.8	70	6.2	75	4.7	76	5.8	77	5.1		
8.5	19	5.0	49	4.4	59	3.8	59	5.9	69	4.3	69	5.7	75	4.3	75	5.4	77	4.7		
9.0			47	3.9	58	3.3	57	5.3	68	3.8	68	5.3	74	3.9	74	5.0	76	4.3	78	3.8
10.0			41	2.9	54	2.4	53	4.4	66	3.1	65	4.5	72	3.2	72	4.3	74	3.7	76	3.2
11.0			33	2.2	49	1.7	49	3.7	63	2.4	63	3.8	70	2.6	71	3.7	73	3.1	75	2.6
12.0			25	1.5	45	1.1	45	3.1	61	1.9	60	3.2	69	2.1	69	3.2	71	2.6	73	2.2
14.0							35	2.0	56	1.0	55	2.3	65	1.3	65	2.3	68	1.8	70	1.4
16.0							20	1.3			49	1.6			62	1.7	64	1.2		
18.0											38	1.1			58	1.2				
D			0°			21°		0°		44°		27°		57°		49°		57°		64°
								Telesc	opin	g condit	ions	(%)								

Telescoping Mode	Ι,Π	I	I	П	I	П	I	П	П	Ι,Π
2nd boom	0	50	100	0	100	0	100	0	50	100
3rd boom	0	0	0	33	33	66	66	100	100	100
4th boom	0	0	0	33	33	66	66	100	100	100
Top boom	0	0	0	33	33	66	66	100	100	100

	LIF	TING CAPA	CITIES AT ZE					MIN EXTEND	ED				
	2.7 m SPREAD OVER SIDE (Unit: ×1000 kg)												
C A	<u>11.0 m</u>	15.0 m в	19.0	D m B									
0°	8.7 4.5	12.9 0.9		16.7 1.1									
Telescoping Mode	I, II	Ι		П									

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

				ON		ERS FULLY				AD
					360°	ROTATION		(Unit: ×100	10kg)	
		4:	3.0m Boorr	n + 10.1m Ji	b					4
С	3.	5°Tilt	25~	Tilt	45°	Tilt		С	3.5	5°Tilt
	R	W	R	W	R	W			R	W
80	10.1	4.2	13.4	3.5	15.7	2.9	1	80	11.6	2.6
79	11.0	4.2	14.4	3.3	16.6	2.9	1	79	12.9	2.6
78	12.2	4.2	15.2	3.2	17.5	2.8	1	78	13.9	2.6
77	13.1	4.1	16.3	3.1	18.3	2.7	1	77	15.0	2.6
76	14.0	3.9	17.1	3.0	19.2	2.7	1	76	16.2	2.5
75	14.9	3.8	18.1	3.0	20.1	2.6	1	75	17.3	2.4
73	16.8	3.5	20.0	2.8	21.7	2.5	1	73	19.4	2.3
70	19.5	3.2	22.6	2.6	24.1	2.3	1	70	22.7	2.1
68	21.3	3.0	24.2	2.5	25.7	2.3	1	68	24.5	2.0
65	23.9	2.8	26.6	2.3	27.9	2.2	1	65	27.6	1.8
63	25.5	2.7	28.2	2.3	29.4	2.1	1	63	29.3	1.7
60	27.8	2.2	30.3	1.9	31.3	1.8		60	32.2	1.4
58	29.3	1.9	31.6	1.6	32.6	1.5		58	33.8	1.2
55	31.2	1.4	33.6	1.3	34.4	1.2				
53	32.6	1.2	34.9	1.1	35.5	1.0				
50	34.5	0.9					1			

			43	.0m Boom	+ 17.7m Jik)	
	С	3.5	°⊤ilt	25°T	ïlt	45°T	ïlt
		R	W	R	W	R	W
]	80	11.6	2.6	17.5	2.1	21.7	1.7
1	79	12.9	2.6	18.5	2.0	22.6	1.7
1	78	13.9	2.6	19.8	2.0	23.6	1.6
1	77	15.0	2.6	20.6	1.9	24.5	1.6
1	76	16.2	2.5	21.7	1.9	25.4	1.6
1	75	17.3	2.4	22.8	1.8	26.3	1.5
1	73	19.4	2.3	24.7	1.7	28.0	1.5
1	70	22.7	2.1	27.7	1.6	30.5	1.4
	68	24.5	2.0	29.4	1.5	32.0	1.3
	65	27.6	1.8	32.2	1.4	34.4	1.3
	63	29.3	1.7	33.8	1.4	35.8	1.2
	60	32.2	1.4	36.4	1.2	37.9	1.0
	58	33.8	1.2	37.7	0.9		

				ON		ERS FULLY ROTATION		XTENDED 7 (Unit: ×100		AD				
		39.0m Boon	n(telescopi	ng mode II)	+ 10.1m Ji	b	Т	İ		39.0m Boor	n(telescopi	ng mode II)	+ 17.7m Ji	b
C	3.	5°Tilt	25	Tilt	45°	Tilt	1	С		5°Tilt		Tilt /	45°	
	R	W	R	W	R	W	1		R	W	R	W	R	W
80	9.5	4.6	13.1	3.8	15.5	3.2	1	80	10.9	2.8	17.2	2.3	21.1	1.8
79	10.5	4.6	13.9	3.6	16.2	3.1	1	79	12.0	2.8	18.2	2.2	21.9	1.8
78	11.4	4.6	14.8	3.5	17.1	3.0	1	78	13.1	2.8	19.0	2.1	22.8	1.7
77	12.5	4.5	15.8	3.4	17.9	2.9	1	77	14.4	2.8	20.0	2.1	23.7	1.7
76	13.3	4.4	16.6	3.3	18.6	2.9	1	76	15.3	2.7	20.9	2.0	24.4	1.7
75	14.2	4.2	17.4	3.2	19.5	2.8	1	75	16.4	2.7	21.9	1.9	25.4	1.6
73	15.9	3.9	19.1	3.1	21.0	2.7	1	73	18.3	2.5	23.7	1.8	26.9	1.6
70	18.4	3.6	21.5	2.8	23.2	2.5	1	70	21.3	2.3	26.3	1.7	29.2	1.5
68	20.1	3.4	23.0	2.7	24.7	2.4		68	23.1	2.2	28.1	1.6	30.7	1.4
65	22.5	3.1	25.3	2.6	26.5	2.3		65	26.0	2.0	30.7	1.5	32.9	1.4
63	24.0	3.0	26.7	2.5	27.9	2.3		63	27.8	1.9	32.4	1.5	34.4	1.3
60	26.3	2.8	28.6	2.3	29.6	2.2		60	30.1	1.8	34.4	1.4	36.3	1.3
58	27.8	2.7	30.2	2.3	31.1	2.1		58	32.1	1.7	36.2	1.4	37.6	1.3
55	29.8	2.3	32.0	2.0	32.8	1.9		55	34.4	1.5	38.3	1.3	39.7	1.2
53	31.0	2.0	33.1	1.8	33.8	1.7		53	35.8	1.3	39.6	1.1	40.6	1.0
50	32.8	1.7	34.8	1.5	35.3	1.5		50	37.9	1.1	41.4	0.9		
48	33.9	1.5	35.8	1.4	36.2	1.3		48	39.2	0.9				
45	35.6	1.2	37.0	1.1	37.6	1.1								
43	36.7	1.1	38.2	1.0										
40	38.1	0.9												

				ON		ERS FULLY				AD				
					360	° ROTATION	I (L	Jnit: ×100)0kg)					
		35m Boom	n(telescopir	ng mode I) +	10.1m Jib					35m Boom	n(telescopin	g mode I) +	- 17.7m Jib	
С	3.	5°Tilt	25°	Tilt	45°	Tilt		С	3.5	ō°Tilt	25°T	īlt	45°1	Filt
	R	W	R	W	R	W			R	W	R	W	R	W
80	8.1	5.6	11.7	4.5	14.0	3.7		80	9.6	3.2	15.8	2.6	20.1	2.1
79	9.1	5.6	12.4	4.4	14.7	3.6		79	10.5	3.2	16.7	2.6	20.8	1.9
78	9.9	5.6	13.2	4.3	15.3	3.6		78	11.5	3.2	17.6	2.5	21.6	1.9
77	10.7	5.6	14.0	4.2	16.1	3.5		77	12.5	3.2	18.3	2.4	22.4	1.9
76	11.5	5.5	14.8	4.0	16.8	3.4		76	13.5	3.2	19.4	2.4	23.2	1.9
75	12.4	5.3	15.5	3.9	17.5	3.4		75	14.4	3.2	20.1	2.3	24.0	1.9
73	13.9	5.0	16.9	3.7	18.9	3.2		73	16.3	3.1	21.9	2.2	25.5	1.9
70	16.2	4.6	19.1	3.5	20.8	3.1		70	19.0	2.9	24.5	2.1	27.7	1.8
68	17.8	4.3	20.6	3.4	22.1	3.0		68	20.7	2.7	26.0	2.0	29.1	1.7
65	19.9	4.0	22.6	3.2	24.0	2.9		65	23.2	2.5	28.3	1.9	31.1	1.7
63	21.3	3.8	24.0	3.1	25.2	2.8		63	24.9	2.4	29.8	1.8	32.3	1.6
60	23.4	3.6	25.8	2.9	26.9	2.7		60	27.3	2.2	31.8	1.7	34.2	1.6
58	24.6	3.2	27.8	2.8	28.1	2.6		58	28.9	2.1	33.3	1.7	35.4	1.5
55	26.4	2.6	28.7	2.3	29.6	2.2		55	30.9	1.8	35.1	1.5	37.0	1.3
53	27.5	2.3	29.7	2.1	30.5	1.9		53	32.5	1.5	36.4	1.3	38.0	1.2
50	29.3	1.9	31.4	1.7	32.0	1.6		50	34.7	1.2	38.2	1.0	39.5	0.9
48	30.4	1.7	32.3	1.5	32.8	1.5		48	36.0	1.0	39.2	0.9		
45	32.0	1.4	33.7	1.3	34.1	1.2								
43	33.0	1.2	34.6	1.1]							
40	34.5	1.0	35.9	0.9										

35.3

38

C: boom angle (°) R: Load radius (m) W: Rated lifting capacity (Unit: ×1,000 kg)

0.9

W

1.8

1.8

1.7

1.7

1.7

1.6

1.6

1.5

1.4

1.4

1.3

1.3 1.2

0.9

GR-600EX RATED LIFTING CAPACITIES

				С		GERS MID				AD
		/3.0-	m Boom +	10.1-m Jib	0		цŬ	1111. × 1000	ky)	
С	2.5	43.0-		5° Tilt	15	° Tilt		С	2	5° Til
								0	-	
	R	W	R	W	R	W			R	
80	9.9	4.2	13.4	3.5	15.8	2.9		80	11.5	
79	11.0	4.2	14.3	3.3	16.7	2.9		79	12.7	
78	12.1	4.2	15.3	3.2	17.6	2.8	1	78	14.0	
77	13.1	4.1	16.3	3.1	18.4	2.7	1	77	15.1	
76	14.0	3.9	17.2	3.0	19.4	2.7	1	76	16.2	
75	15.0	3.8	18.2	3.0	20.0	2.6	1	75	17.3	
73	16.8	3.5	19.9	2.8	21.9	2.5	1	73	19.4	
70	19.5	3.2	22.6	2.6	24.1	2.3		70	22.6	
68	21.2	3.0	24.2	2.5	25.7	2.3		68	24.7	
65	23.8	2.8	26.6	2.3	28.0	2.2		65	27.5	
63	25.4	2.4	28.0	2.0	29.3	1.9		63	29.1	
60	27.4	1.8	30.0	1.6	31.1	1.5]	60	31.7	
58	29.1	1.5	31.5	1.3	32.5	1.2		58	33.4	
55	31.2	1.1	33.5	1.0	34.3	0.9				
53	32.6	0.9					1			

		40.0				
		43.0-r	n Boom + 1	17.7-m Jib		
C	3.5	5° Tilt	25	5° Tilt	45°	' Tilt
	R	W	R	W	R	W
80	11.5	2.6	17.9	2.1	21.9	1.7
79	12.7	2.6	18.6	2.0	22.8	1.7
78	14.0	2.6	19.8	2.0	23.7	1.6
77	15.1	2.6	20.7	1.9	24.5	1.6
76	16.2	2.5	21.7	1.9	25.4	1.6
75	17.3	2.4	22.8	1.8	26.3	1.5
73	19.4	2.3	24.7	1.7	27.9	1.5
70	22.6	2.1	27.6	1.6	30.4	1.4
68	24.7	2.0	29.5	1.5	32.1	1.3
65	27.5	1.8	32.1	1.4	34.2	1.3
63	29.1	1.5	33.7	1.2	35.7	1.1
60	31.7	1.1	36.1	0.9		
58	33.4	0.9				

				C						AD				
					C	VER SIDE	(Ur	nit: ×1000	kg)					
	3	89.0-m Booi	m (telescop	ing mode II) + 10.1-m	Jib			3	89.0-m Booi	m (telescop	ing mode II) + 17.7-m	Jib
С	3.5	5° Tilt	25	° Tilt	45	5° Tilt	1	С	3	.5° Tilt	25	° Tilt	45	° Tilt
	R	W	R	W	R	W	1		R	W	R	W	R	W
80	9.5	4.6	13.0	3.8	15.4	3.2	1 F	80	11.0	2.8	17.1	2.3	21.1	1.
79	10.5	4.6	13.8	3.6	16.1	3.1	1 [79	12.1	2.8	17.9	2.2	22.0	1.
78	11.4	4.6	14.7	3.5	17.0	3.0	1	78	13.2	2.8	19.0	2.1	22.8	1.
77	12.4	4.5	15.6	3.4	17.9	2.9	1	77	14.3	2.8	19.9	2.1	23.6	1.
76	13.4	4.4	16.6	3.3	18.8	2.9	1	76	15.5	2.7	21.0	2.0	24.5	1.
75	14.2	4.2	17.4	3.2	19.5	2.8	1	75	16.4	2.7	21.9	1.9	25.3	1.
73	16.0	3.9	19.1	3.1	20.9	2.7	1 [73	18.4	2.5	23.8	1.8	27.0	1.
70	18.5	3.6	21.4	2.8	23.1	2.5	1 [70	21.4	2.3	26.4	1.7	29.2	1.
68	20.1	3.4	23.1	2.7	24.4	2.4	1 [68	23.2	2.2	28.1	1.6	30.7	1.
65	22.5	3.1	25.2	2.6	26.6	2.3	1 [65	26.0	2.0	30.5	1.5	32.8	1.
63	24.0	3.0	26.8	2.5	27.8	2.3	1 [63	27.8	1.9	32.3	1.5	34.2	1.
60	26.3	2.7	28.9	2.3	29.7	2.2	1 [60	30.3	1.8	34.7	1.4	36.4	1.
58	27.5	2.4	29.9	2.1	30.9	2.0	1 [58	31.8	1.6	36.1	1.3	37.7	1.:
55	29.5	1.9	31.8	1.7	32.6	1.6	7 F	55	34.1	1.3	38.1	1.0	39.4	0.
53	30.8	1.7	32.9	1.5	33.7	1.4	1 [53	35.5	1.1				
50	32.6	1.4	34.6	1.2	35.2	1.2	1 5							
48	33.7	1.2	35.7	1.1	36.1	1.0	1							
45	35.4	1.0					1							
	79 78 77 76 75 73 70 68 65 63 60 58 55 53 50 48	C 3.3 R R 80 9.5 79 10.5 78 11.4 77 12.4 76 13.4 75 14.2 73 16.0 70 18.5 68 20.1 65 22.5 63 24.0 60 26.3 58 27.5 53 30.8 50 32.6 48 33.7	C 3.5° Tilt R W 80 9.5 4.6 79 10.5 4.6 78 11.4 4.6 77 12.4 4.5 76 13.4 4.4 75 14.2 4.2 73 16.0 3.9 70 18.5 3.6 68 20.1 3.4 65 22.5 3.1 63 24.0 3.0 60 26.3 2.7 58 27.5 2.4 55 29.5 1.9 53 30.8 1.7 50 32.6 1.4 48 33.7 1.2	C 3.5° Tilt 25 R W R 80 9.5 4.6 13.0 79 10.5 4.6 13.8 78 11.4 4.6 14.7 77 12.4 4.5 15.6 76 13.4 4.4 16.6 75 14.2 4.2 17.4 73 16.0 3.9 19.1 70 18.5 3.6 21.4 68 20.1 3.4 23.1 65 22.5 3.1 25.2 63 24.0 3.0 26.8 60 26.3 2.7 28.9 58 27.5 2.4 29.9 55 29.5 31.8 53 53 30.8 1.7 32.9 50 32.6 1.4 34.6 48 33.7 1.2 35.7	$\begin{tabular}{ c c c c c c c } \hline & 39.0-m \ {\rm Boom}\ ({\rm telescoping\ mode\ ll}) \\ \hline & 3.5^\circ\ {\rm Tilt} & 25^\circ\ {\rm Tilt} & 25^\circ\ {\rm Tilt} & \\ \hline & R & W & R & W \\ \hline & R & W & R & W \\ \hline & 80 & 9.5 & 4.6 & 13.0 & 3.8 \\ \hline & 79 & 10.5 & 4.6 & 13.8 & 3.6 \\ \hline & 78 & 11.4 & 4.6 & 14.7 & 3.5 \\ \hline & 77 & 12.4 & 4.5 & 15.6 & 3.4 \\ \hline & 76 & 13.4 & 4.4 & 16.6 & 3.3 \\ \hline & 75 & 14.2 & 4.2 & 17.4 & 3.2 \\ \hline & 73 & 16.0 & 3.9 & 19.1 & 3.1 \\ \hline & 70 & 18.5 & 3.6 & 21.4 & 2.8 \\ \hline & 68 & 20.1 & 3.4 & 23.1 & 2.7 \\ \hline & 65 & 22.5 & 3.1 & 25.2 & 2.6 \\ \hline & 63 & 24.0 & 3.0 & 26.8 & 2.5 \\ \hline & 60 & 26.3 & 2.7 & 28.9 & 2.3 \\ \hline & 55 & 29.5 & 1.9 & 31.8 & 1.7 \\ \hline & 55 & 29.5 & 1.9 & 31.8 & 1.7 \\ \hline & 55 & 30.8 & 1.7 & 32.9 & 1.5 \\ \hline & 50 & 32.6 & 1.4 & 34.6 & 1.2 \\ \hline & 48 & 33.7 & 1.2 & 35.7 & 1.1 \\ \hline \end{tabular}$	$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	$\begin{tabular}{ c c c c c c c } \hline OVER SIDE \\ \hline \hline 39.0-m Boom (telescoping mode ll) + 10.1-m Jib \\ \hline 3.5^\circ Tilt & 25^\circ Tilt & 45^\circ Tilt \\ \hline \hline R & W & R & W & R & W \\ \hline 80 & 9.5 & 4.6 & 13.0 & 3.8 & 15.4 & 3.2 \\ \hline 79 & 10.5 & 4.6 & 13.8 & 3.6 & 16.1 & 3.1 \\ \hline 78 & 11.4 & 4.6 & 14.7 & 3.5 & 17.0 & 3.0 \\ \hline 77 & 12.4 & 4.5 & 15.6 & 3.4 & 17.9 & 2.9 \\ \hline 76 & 13.4 & 4.4 & 16.6 & 3.3 & 18.8 & 2.9 \\ \hline 75 & 14.2 & 4.2 & 17.4 & 3.2 & 19.5 & 2.8 \\ \hline 73 & 16.0 & 3.9 & 19.1 & 3.1 & 20.9 & 2.7 \\ \hline 70 & 18.5 & 3.6 & 21.4 & 2.8 & 23.1 & 2.5 \\ \hline 68 & 20.1 & 3.4 & 23.1 & 2.7 & 24.4 & 2.4 \\ \hline 65 & 22.5 & 3.1 & 25.2 & 2.6 & 26.6 & 2.3 \\ \hline 63 & 24.0 & 3.0 & 26.8 & 2.5 & 27.8 & 2.3 \\ \hline 60 & 26.3 & 2.7 & 28.9 & 2.3 & 29.7 & 2.2 \\ \hline 58 & 27.5 & 2.4 & 29.9 & 2.1 & 30.9 & 2.0 \\ \hline 55 & 29.5 & 1.9 & 31.8 & 1.7 & 32.6 & 1.6 \\ \hline 53 & 30.8 & 1.7 & 32.9 & 1.5 & 33.7 & 1.4 \\ \hline 50 & 32.6 & 1.4 & 34.6 & 1.2 & 35.2 & 1.2 \\ \hline 48 & 33.7 & 1.2 & 35.7 & 1.1 & 36.1 & 1.0 \\ \hline \end{tabular}$	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	OVER SIDE (Unit: ×1000 kg) OVER SIDE (Unit: ×1000 kg) 39.0-m Boom (telescoping mode ll) + 10.1-m Jib 39.0-m Boom (telescoping mode ll) + 10.1-m Jib 39.0-m Boom (telescoping mode ll) + 10.1-m Jib R W R W R W 80 9.5 4.6 13.0 3.8 15.4 3.2 79 10.5 4.6 13.8 3.6 16.1 3.1 79 12.1 2.8 17.9 78 11.4 4.6 14.7 3.5 17.0 3.0 78 13.2 2.8 19.0 76 13.4 4.4 16.6 3.3 18.8 2.9 76 15.5 2.7 21.0 75 14.2 4.2 17.4 3.2 19.5 2.8 75 16.4 2.7 21.9 70 18.5 3.6 21.4 2.8 23.1 2.5 70 21.4 2.3 26.4 68 20.1 3.0 26.6 2.3	OVER SIDE (Unit: ×1000 kg) 39.0-m Boom (telescoping mode II) + 10.1-m Jib 39.0-m Boom (telescoping mode II) 39.0-m Boom (telescoping mode II) R W R W R W R W R W R W R W R W R W R W R W R W R W R W R W R W R W R W R U.4 6.6 13.8 15.4 3.2 R 80 11.0 2.8 17.1 2.3 78 11.4 4.6 14.7 3.5 17.0 3.0 78 13.2 2.8 19.0 2.1 76 13.4 4.4 16.6 3.3 18.8 2.9 76 15.5 2.7 21.0 2.0 73 16.0 3.9 19.1 3.1 20.9	OVER SIDE (Unit: x1000 kg) 39.0-m Boom (telescoping mode ll) + 10.1-m Jib 39.0-m Boom (telescoping mode ll) + 10.1-m Jib 39.0-m Boom (telescoping mode ll) + 10.1-m Jib R W R W R W R W R W R W R

				C		GERS MID				AD				
						VER SIDE	<u>(U</u>	nit: ×1000						
_				mode I) + 10				_				mode l) + 1		
С	3.5	5° Tilt	25	5° Tilt	45	5° Tilt		С	3.5	° Tilt	25°	Tilt	45	° Tilt
	R	W	R	W	R	W			R	W	R	W	R	W
80	8.2	5.6	11.6	4.5	13.9	3.7		80	9.6	3.2	15.8	2.6	20.0	2.1
79	9.0	5.6	12.4	4.4	14.7	3.6		79	10.6	3.2	16.7	2.6	20.8	1.9
78	9.9	5.6	13.3	4.3	15.6	3.6	1	78	11.6	3.2	17.5	2.5	21.6	1.9
77	10.8	5.6	14.1	4.2	16.2	3.5	1	77	12.5	3.2	18.5	2.4	22.3	1.9
76	11.6	5.5	14.8	4.0	16.8	3.4	1	76	13.5	3.2	19.4	2.4	23.1	1.9
75	12.4	5.3	15.5	3.9	17.6	3.4	1	75	14.4	3.2	20.2	2.3	23.9	1.9
73	14.0	5.0	17.2	3.7	19.0	3.2	1	73	16.3	3.1	22.1	2.2	25.6	1.9
70	16.2	4.6	19.2	3.5	20.9	3.1	1	70	19.1	2.9	24.4	2.1	27.7	1.8
68	17.8	4.3	20.6	3.4	22.2	3.0	1	68	20.7	2.7	26.0	2.0	29.1	1.7
65	20.0	4.0	22.7	3.2	24.1	2.9	1	65	23.3	2.5	28.2	1.9	31.1	1.7
63	21.4	3.8	24.0	3.1	25.2	2.8	1	63	25.0	2.4	29.8	1.8	32.3	1.6
60	23.3	3.1	25.9	2.7	26.9	2.5		60	27.3	2.2	31.8	1.7	34.1	1.5
58	24.5	2.7	26.9	2.4	27.9	2.2	1	58	28.9	1.8	33.1	1.5	35.3	1.3
55	26.2	2.2	28.6	2.0	29.5	1.8	1	55	31.2	1.5	35.1	1.2	37.0	1.1
53	27.5	1.9	29.7	1.7	30.4	1.6	1	53	32.6	1.2	36.3	1.0	38.0	0.9
50	29.2	1.6	31.2	1.4	31.9	1.3	1	50	34.7	1.0				
48	30.3	1.4	32.3	1.2	32.8	1.2	1 '							
45	32.0	1.1	33.7	1.0	34.1	0.9	1							

C: Loaded boom angle ($\ensuremath{^\circ}\xspace$

33.0

43

R: Load radius (m) W: Rated lifting capacity (Unit:×1,000 kg)

0.9

				(GERS MID				٨D				
					C	OVER SIDE	(L	Jnit: ×1000	kg)					
		43.0r	n Boom +	10.1m Jib						43.0n	n Boom + 1	7.7m Jib		
C	3.5	5°Tilt	25	5°Tilt	45	°Tilt	1	C	3.5	5°Tilt	25	5°Tilt	45	Tilt
	R	W	R	W	R	W	1		R	W	R	W	R	W
80	9.9	4.2	13.2	3.5	15.7	2.9	1	80	11.5	2.6	17.9	2.1	22.0	1.7
79	10.9	4.2	14.3	3.3	16.5	2.9	1	79	12.6	2.6	18.4	2.0	22.5	1.7
78	12.1	4.2	15.4	3.2	17.7	2.8	1	78	13.8	2.6	19.8	2.0	23.6	1.6
77	13.1	4.1	16.3	3.1	18.4	2.7	1	77	14.9	2.6	20.7	1.9	24.4	1.6
76	14.0	3.9	17.2	3.0	19.4	2.7	1	76	16.2	2.5	21.7	1.9	25.4	1.6
75	15.0	3.8	18.2	3.0	20.1	2.6	1	75	17.3	2.4	22.8	1.8	26.4	1.5
73	16.7	3.5	19.9	2.8	21.8	2.5		73	19.5	2.3	24.8	1.7	28.0	1.5
70	19.3	2.8	22.3	2.4	24.1	2.2		70	22.3	1.8	27.4	1.4	30.3	1.3
68	20.9	2.3	23.9	2.0	25.5	1.9		68	24.0	1.4	29.1	1.1	31.8	1.0
65	23.2	1.7	26.1	1.5	27.6	1.4		65	26.9	1.0				
63	24.7	1.4	27.5	1.2	28.9	1.1								
60	27.0	1.0					1							

ON OUTRIGGERS MID EXTENDED 5.5m SPREAD (U

					C	IVER SIDE
	39.	0m Boom(te	elescoping	mode II) + 1	0.1m Jib	
C	3.5	5°Tilt	25	°Tilt	45	°Tilt
	R	W	R	W	R	W
80	9.6	4.6	13.1	3.8	15.5	3.2
79	10.5	4.6	13.8	3.6	16.1	3.1
78	11.4	4.6	14.7	3.5	17.0	3.0
77	12.4	4.5	15.6	3.4	17.8	2.9
76	13.4	4.4	16.6	3.3	18.7	2.9
75	14.2	4.2	17.4	3.2	19.4	2.8
73	15.9	3.9	19.1	3.1	21.0	2.7
70	18.5	3.6	21.4	2.8	23.1	2.5
68	20.1	3.4	22.9	2.7	24.5	2.4
65	22.5	2.8	25.2	2.3	26.4	2.1
63	24.1	2.3	26.8	2.0	27.8	1.8
60	25.8	1.8	28.4	1.6	29.5	1.4
58	27.2	1.5	29.6	1.3	30.7	1.2
55	29.2	1.2	31.4	1.0	32.4	0.9
53	30.5	1.0				

Jnit: ×1000	kg)					
	39.	0m Boom(te	elescoping	mode II) + 1	7.7m Jib	
C	3.	.5°Tilt	25	°Tilt	45	Tilt
	R	W	R	W	R	W
80	11.0	2.8	17.1	2.3	21.1	1.8
79	12.1	2.8	18.1	2.2	22.0	1.8
78	13.2	2.8	18.9	2.1	22.6	1.7
77	14.3	2.8	20.0	2.1	23.6	1.7
76	15.3	2.7	20.8	2.0	24.5	1.7
75	16.4	2.7	21.8	1.9	25.3	1.6
73	18.4	2.5	23.7	1.8	26.9	1.6
70	21.2	2.3	26.4	1.7	29.2	1.5
68	23.2	2.2	28.2	1.6	30.7	1.4
65	25.8	1.8	30.5	1.4	32.6	1.2
63	27.8	1.5	32.4	1.2	34.2	1.0
60	29.9	1.1				
58	31.4	0.9				

				(GERS MID	EXTEND	DED 5	.5m SPREA	٩D				
					-	OVER SIDE	(Unit: ×	1000	0/					
	35r	m Boom(tele	scoping m	ode I) + 10.					35r	n Boom(tele	escoping m	ode I) + 17.		
С	3.5	5°Tilt	25	5°Tilt	4	5°Tilt	C	;	3.5	Tilt	25°	Tilt	45°	Tilt
	R	W	R	W	R	W			R	W	R	W	R	W
80	8.2	5.6	11.7	4.5	14.1	3.7	8	0	9.6	3.2	15.9	2.6	20.1	2.1
79	9.0	5.6	12.4	4.4	14.7	3.6	7	9	10.6	3.2	16.6	2.6	20.8	1.9
78	9.9	5.6	13.2	4.3	15.5	3.6	7	8	11.6	3.2	17.7	2.5	21.7	1.9
77	10.7	5.6	14.0	4.2	16.1	3.5	7	7	12.4	3.2	18.4	2.4	22.3	1.9
76	11.6	5.5	14.8	4.0	16.8	3.4	7	6	13.5	3.2	19.3	2.4	23.2	1.9
75	12.4	5.3	15.5	3.9	17.5	3.4	7	5	14.4	3.2	20.2	2.3	24.0	1.9
73	14.0	5.0	17.0	3.7	18.9	3.2	7	3	16.2	3.1	22.0	2.2	25.6	1.9
70	16.3	4.6	19.2	3.5	20.0	3.1	7	0	19.0	2.9	24.0	2.1	27.6	1.8
68	17.7	3.9	20.6	3.3	22.2	3.0	6	8	20.6	2.7	25.9	2.0	29.0	1.7
65	19.7	3.1	22.4	2.6	23.8	2.4	6	5	23.3	2.2	28.1	1.6	31.0	1.4
63	21.0	2.7	23.7	2.3	25.0	2.1	6	3	24.9	1.8	29.5	1.4	32.3	1.2
60	22.9	2.1	25.5	1.8	26.7	1.6	6	0	27.3	1.3	31.5	1.0		
58	24.2	1.7	26.6	1.5	27.7	1.4	5	8	28.7	1.1				
55	26.0	1.3	28.4	1.2	29.3	1.1								
53	29.2	1.1	29.5	1.0										

C: Loaded boom angle (°) R: Load radius (m)

W: Rated lifting capacity (Unit:×1,000 kg)

				ON RU	BBER	STATIONARY	′ (Unit: ×'	1000 kg)				
			Over	Front					360° Rot	ation		
A [11.0 m		19.0 m		27.0 m		11.0 m		19.0 m		27.0 m
В	С		С		С		С		С		С	
3.0	68	29.5					68	18.6				
3.5	65	27.8					65	14.8				
4.0	62	25.5	75	15.9			62	12.5	75	10.0		
4.5	59	23.0	73	15.9			59	10.6	73	10.0		
5.0	55	20.7	71	15.9			55	9.1	71	9.0		
5.5	52	18.2	70	15.9			52	7.7	70	7.8		
6.0	48	15.7	68	15.9	75	10.0	49	6.6	68	6.6	75	7.5
6.5	44	14.0	66	14.5	74	10.0	44	5.6	66	5.8	74	6.5
7.0	40	12.5	65	13.0	73	10.0	39	4.8	65	5.1	73	5.5
7.5	34	11.0	63	11.6	72	10.0	34	4.2	63	4.5	72	4.7
8.0	28	9.8	61	10.5	71	9.7	29	3.6	61	4.0	71	4.2
8.5	20	8.5	59	9.4	70	9.2	20	3.1	59	3.5	70	3.8
9.0			58	8.4	69	8.8			58	3.0	68	3.3
10.0			54	7.0	66	7.6			54	2.4	66	2.7
11.0			50	6.0	64	6.5			50	1.8	64	2.1
12.0			46	5.1	61	5.5			46	1.3	61	1.7
14.0			36	3.4	56	4.1					56	0.9
16.0			22	2.4	51	3.0						
18.0					45	2.3						
20.0					38	1.5						
22.0					30	1.0						
D		()°			18°		0°		21°		45°
					Teles	coping condit	ions (%)					
Telesconing		тп						τ π				

Telescoping Mode	Ι,Π	П	П	Ι,Π	П	П
2nd boom	0	0	0	0	0	0
3rd boom	0	33	66	0	33	66
4th boom	0	33	66	0	33	66
Top boom	0	33	66	0	33	66

		LIFTIN	IG CAPA	ACITIES AT ZE	RO DE	GREE BOOM	ANGLE	ON RUBBER S	STATIO	VARY		
\smallsetminus		Over Front								360° Rotat	ion	
A	-	11.0 m 19.0 m					1	1.0 m				
В	В	В				В						
0	8.8	8.8 8.0 16.9 2.1				8.8	2.8					

				ON	RUBBEI	R CREEP (Ur	nit: ×100	10 kg)				
			Over	Front					360° Ro	tation		
BA	c -	11.0 m	1	9.0 m	С	27.0 m	1	1.0 m	C	19.0 m	C 2	27.0 m
3.0	68	22.7	C		U U		68	15.0	U		C	
3.5	65	20.2					65	13.0	-			
4.0	62	18.2	74	15.9			62	11.2	74	10.0		
4.5	59	16.5	73	15.9			59	9.5	73	9.8		
5.0	55	15.1	70	15.0			56	8.2	71	8.4		
5.5	52	13.6	70	13.9			52	7.0	70	7.2		
6.0	48	12.4	68	12.8	75	10.0	48	5.9	68	6.2	75	6.7
6.5	44	11.4	66	11.9	74	10.0	44	5.0	66	5.4	74	5.9
7.0	39	10.5	65	11.0	73	10.0	40	4.3	65	4.7	73	5.2
7.5	34	9.5	63	10.1	72	10.0	35	3.7	63	4.1	72	4.6
8.0	28	8.5	61	9.0	71	9.3	28	3.1	61	3.6	71	4.1
8.5	20	7.6	59	8.0	70	8.6	20	2.5	60	3.1	70	3.6
9.0			58	7.3	69	8.0			58	2.7	68	3.2
10.0			54	6.0	66	6.8			54	2.0	66	2.6
11.0			50	5.1	64	5.8			50	1.5	64	2.0
12.0			45	4.2	61	4.9			46	1.1	61	1.5
14.0			36	2.9	56	3.6						
16.0			21	1.8	51	2.6						
18.0					45	1.9						
20.0					38	1.3						
D		0)°			18°		0°		21°		50°
					Teleso	coping conditi	tions (%)					
Telescoping Mode		I,∏		П		П	Ι,Π		П		П	
2nd boom		0		0		0		0		0		0
3rd boom		0		33		66		0		33		66
			1		1		1		-			

Top boom		0		33		66		0		33		66
[LIFTIN	IG CAP	ACITIES AT ZE	ERO DE	GREE BOOM	ANGLE	ON RUBBER :	STATIO	VARY		
			C	ver Front	-					360° Rotat	ion	
A	-	11.0 m	-	9.0 m		_	1	1.0 m				
IR /	В		В				В					
0	8.8	7.3	16.9	1.5			8.8	2.3				

0

33

66

66

A: Boom length (m)

4th boom

B: Load radius (m) C: Loaded boom angle (°)

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

0

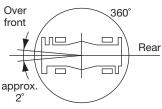
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WARNING AND OPERATING INSTRUCTIONS FOR ON RUBBER LIFTING CAPACITIES

- 1. Rated lifting capacities based on crane stability are according to ISO4305.
- 2. Rated lifting capacities shown in the chart are based on the condition that crane is set on firm level surfaces with suspension lock applied. Those above thick lines are based on tire capacity and those below, on crane stability. They are based on actual load radius increased by tire deformation and boom deflection.
- 3. 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 22PR	420 kPa
29.5-25 28PR	450 kPa

6. Over front operation shall be performed within 2 degrees in front of chassis.



7. On rubber lifting with "jib" is not permitted. Maximum permissible boom length is 27.0 m.

- 8. When making lift on rubber stationary, set parking brake.
- 9. 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.
- 13. The mass of the hook (540 kg for 60 t capacity, 450 kg for 35 t capacity, 150 kg for 5.6 t capacity), slings and all similarly used load handling devices must be considered as part of the load and must be deducted from the lifting capacities.
- 14. For rated lifting capacity of single top, reduce the rated lifting capacities of relevant boom according to a weight reductions for auxiliary load handling equipment. Capacities of single top shall not exceed 5,600 kg including main hook.
- 15. The lifting capacity data stowed in the Automatic Moment Limiter (AML-C) is based on the standard number of parts of line listed in the chart. Standard number of parts of line for on rubber operation should be according to the following table.

Boom length	11.0 m	11.0 m to 27.0 m	Single top	
Telescoping mode	I,I	П	Ι, Π	
Number of parts of line	6	4	1	

WARNING AND OPERATING INSTRUCTIONS 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.
- 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 and Maintenance 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 on outriggers fully extended as determined by ISO4305.
- 2. Rated lifting capacities above thick lines in the chart are based on crane strength and those below, on its stability.
- They are based on actual load radius increased by boom deflection. 3. The weight of handling device such as hook blocks (540 kg for 60 t capacity, 450 kg for 35 t capacity, 150 kg for 5.6 t capacity), 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 the 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 conditions 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 9 m/s to 12 m/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.
- Rated lifting capacities at load radius shall not be exceeded. Do not tip the crane to determine allowable loads.
- Do not operate at boom lengths, radii, or boom angles, where no capacities are shown. Crane may overturn without any load on the hook.
- 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.
- 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 54.9 kN (5,600 kgf) for main winch and auxiliary winch.
- 11. Check the actual number of parts of line with Automatic Moment Limiter (AML-C) before operation. Maximum lifting capacity is restricted by the number of parts of line of Automatic Moment Limiter (AML-C). Limited capacity is as determined from the formula, Single line pull for main winch 54.9 kN(5,600 kgf) x 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 11.0-m Boom length capacities are based on boom fully retracted.
- 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 5,600 kg including the main boom hook mass attached to the boom.

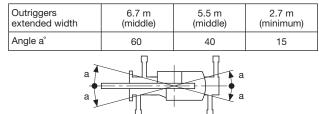
- 16. When a jib is removed, set the jib state switch to the REMOVED position.
- 17. When erecting and stowing jib, be sure to retain it by hand or by other means to prevent its free movement.
- Use "ANTI-TWO-BLOCK DEVICE" disable switch when erecting and stowing jib and when stowing hook block. While the switch is pushed, the hoist does not stop, even when overwind condition occurs.
- 19. For boom length 43.0 m or less and 35.0 m or longer with jib, rated lifting capacities are determined by loaded boom angle only in the column handed "43.0-m Boom + jib".
 For boom length 35.0 m or less with jib, rated lifting capacities are determined by loaded boom angle only in the column headed "35.0-m Boom + jib". For angles not shown, use the next lower loaded boom angle to determine allowable capacity. (Telescoping MODE I) For boom length 43.0 m or less and 39.0 m or longer with jib, rated lifting capacities are determined by loaded boom angle only in the column handed "63.0-m Boom + jib".
 For boom length 43.0 m or less and 39.0 m or longer with jib, rated lifting capacities are determined by loaded boom angle only in the column handed "43.0-m Boom + jib".
 For boom length 39.0 m or less with jib, rated lifting capacities are determined by loaded boom angle only in the column headed "39.0-m Boom + jib".

"39.0-m Boom + jib". For angles not shown, use the next lower loaded boom angle to determine allowable capacity.(Telescoping MODE II)

- 20. 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.
- 21. Before telescoping the boom, set the telescoping mode selector switch to MODE I or MODE II with the boom fully retracted. A change of the telescoping mode is not permissible when the boom has been partially or fully extended.
- 22. The lifting capacity data stowed in the Automatic Moment Limiter (AML-C) is based on the standard number of parts of line listed in the chart. Standard number of parts of line for on outrigger operation should be according to the following table.

Boon	n length	11.0 m		m to 0 m	15,0 m to 19.0 m	19.0 m to 43.0 m	Single top/ jib
Teles mode	coping	Ι, Π	Ι	п	Ι, Π	Ι, Π	Ι, П
Num parts	oer of of line	12	8	6	6	4	1

23. The lifting capacity for over side area differs depending on outrigger extension width. Work with capacity corresponding to the extension width. The lifting capacities for over front and over rear areas are for "outriggers fully extended". However, the areas (angle a) differ depending on the outrigger extension width.



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.
- 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.

WARNING AND OPERATING INSTRUCTIONS FOR USING THE AUTOMATIC MOMENT LIMITER (AML-C)

- 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 pop-up window closes.
 - 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 pop-up window closes.
 - When erecting and stowing jib, select the status of jib set (Jib lift indicative symbol flickers).
- 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 indicative symbol flickers.
 - Press the lift state select key to register the lift state.
 - However, pay attention to the following.

For stationary and creep 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-C) is below the 360° lifting capacity.
- 4. This machine is equipped with an automatic slewing stop 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.

- 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 (AML-C) 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-C) 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-C) aids in place of good operating practice can cause an accident. The operator must exercise caution to assure safety.

GR-600EX Axle weight distribution chart

		Kilograms		
		GVW	Front	Rear
Basic machine		43,735	21,555	22,180
Add:	1. 60 ton 6 sheaves hook block	540	960	-420
	2.35 ton 3 sheaves hook block	450	800	-350
Remove: 1. 5.6 ton hook block		-150	-209	59
	2. Top jib	-335	-365	30
3. Base jib		-865	-1,480	615
	 Counter weight with auxiliary winch and wire rope 	-5,670	2,500	-8,170



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