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TADANO ROUGH TERRAIN CRANE

SPEC. SHEET NO. GR-1450E-2-00101/EX-03

GR-1450EX

Left - hand steering

GENERAL DATA

CRANE CAPACITY		145,000 kg at 2.5 m
BOOM	6-section,	13.1 m - 61.0m
DIMENSION		
Overall length	approx.	16,190 mm
Overall width	approx.	3,315 mm
Overall height	approx.	3,785 mm
MASS		
Gross vehicle mass	approx.	90,805 kg
-1st axle	approx.	28,701 kg
-2nd axle	approx.	30,814 kg
-3rd axle	approx.	31,290 kg
PERFORMANCE		
Max. travelling speed (with counterweight)	computed	15 km/h
Gradeability(tan θ) (with 18.2t counterweight)	computed	52 % (at stall) *30 %

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

CRANE SPECIFICATIONS

MODEL
GR-1450EX

CAPACITY
145,000 kg at 2.5 m

BOOM
Six sections extended by single telescoping cylinder, 13.1m~61.0m, of round box construction with 7 sheaves, 0.400m root diameter, at boom head.
Hydraulic cylinders fitted with holding valves.
Fully retracted length ..... 13.1 m
Fully extended length ..... 61.0 m
Extension speed ..... 47.9 m in 450 s

JIB
Two staged slewing around boom extension. Triple offset (0˚/20˚/40˚) type. Stows alongside base boom section.
Assistant cylinders for mounting and stowing.
Single sheave at jib head.
Length ..... 10.3 m and 18.0 m

SINGLE TOP (AUXILIARY BOOM SHEAVE)
Single sheave, 0.440m root diameter. Mounted to main boom head for single line work.

ELEVATION
By a double-acting hydraulic cylinder, fitted with holding valve.
Automatic speed reduction and slow stop function.
Boom angle ..... -1.5˚ to 81.5˚
Boom raising speed ..... 20˚ to 60˚ in 28 s

HOIST—Main winch
Variable speed type with grooved drum driven by hydraulic axial piston motor through winch speed reducer. Power load lowering and hoisting. Equipped with automatic brake (Neutral brake) and counterbalance valve. Controlled independently of auxiliary winch.
Single line pull ..... 70.6 kN {7,200 kgf}
Single line speed(High) ..... 136 m/min (at the 4th layer)
Single line speed(Low) ..... 97 m/min (at the 4th layer)
Wire rope ..... No-spin type
Diameter x length ..... 19 mm x 320 m

HOOK BLOCK(Optional) - 100 t capacity
8 sheaves, swivel type hook with safety latch.

HOOK BLOCK(Optional) -45 t capacity
3 sheaves, swivel type hook with safety latch.

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HOIST—Auxiliary winch

Variable speed type with grooved drum driven by hydraulic axial piston motor through winch speed reducer. Power load lowering and hoisting. Equipped with automatic brake (Neutral brake) and counterbalance valve. Controlled independently of main winch.

Single line pull ..... 70.6 kN {7,200 kgf}
Single line speed(High) ..... 136 m/min (at the 4th layer)
Single line speed(Low) ..... 97 m/min (at the 4th layer)
Wire rope ..... No-spin type
Diameter x length ..... 19 mm x 225 m

HOOK BLOCK - 7.2 t capacity

Swivel hook with safety latch for single line use.

SLEWING

Hydraulic axial piston motor driven through planetary speed reducer. Continuous 360˚ full circle slewing on ball bearing slew ring. Equipped with manually locked/released slewing brake.
Front positive slewing lock manually engaged in cab.
Twin slewing system: Free slewing or lock slewing controlled by selector switch on front console.

Slewing speed ..... 1.3 min^{-1} {rpm}

HYDRAULIC SYSTEM

Pumps.....Two variable piston pumps for crane functions. Tandem gear pump for steering, slewing and optional equipment.
Control valves.....Multiple valves actuated by pilot pressure with integral pressure relief valves.
Circuit.....Equipped with air cooled type oil cooler. Oil pressure appears on AML display for main circuit.
Hydraulic oil tank capacity..... approx. 763 liters
Filters.....Return line filter

CRANE CONTROL

By 4 control levers for slewing, boom elevation, main winch, boom telescoping or auxiliary winch with 2 control pedals for boom elevation and boom telescoping based on ISO standard layout. Control lever stands can change neutral positions and tilt for easy access to cab.

CAB

Both crane and drive operations can be performed from one cab mounted on rotating superstructure. 15˚ tilt, Left side, one-man type, steel construction with sliding door access and tinted safety glass windows opening at side. Door window is powered control.
Operator's 3 way adjustable seat with headrest and armrest.
Air conditioner (Hot water heater and cooler).

TADANO Automatic Moment Limiter (Model: AML-C)

Main unit in crane cab gives audible and visual warning of approach to overload. Automatically cuts out crane motions before overload. With working range (load radius and/or boom angle and/or tip height and/or slewing range) limit function.
Automatic speed reduction and slow stop function on boom elevation and slewing.
Following functions are displayed.

Load as percentage
Number of parts of line of rope
Boom angle
Boom length
Load radius
Outriggers position
On-tire indicator
Actual hook load
Permissible load
Boom position indicator
Potential hook height
Slewing angle
Main hydraulic oil pressure
Jib length and jib offset angle (only when jib operation)

OUTRIGGERS

Hydraulically operated H-type outriggers. Each outrigger controlled simultaneously or independently from the cab.
Equipped with sight level gauge.
Floats can be stowed on vertical cylinders or removed to improve approach and departure angles.
All cylinders fitted with pilot check valves.
Crane operation with different extended length of each outrigger.
Equipped with extension width detector for each outrigger.
Outrigger unit is self-removable for ease of transportation.

Extended width
Fully ..... 8,200 mm
Middle ..... 7,300 mm
Middle ..... 5,500 mm
Minimum ..... 2,990 mm
Float size (Diameter) ..... 570 mm

COUNTERWEIGHT

STANDARD ... 18.2t. Hydraulically installed and removed.
OPTIONAL WEIGHT .... Additional 11.1t for total of 29.3t.

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

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CARRIER SPECIFICATIONS

SPEC. SHEET NO. GR-1450E-2-00101/EX-03

TYPE

Rear engine, left hand steering, driving axle 2-way selected type by manual switch.

6x2 1st drive
6x4 1st and 3rd drive

FRAME

High-tensile steel, all welded mono-box construction.

ENGINE

Model ..... Mitsubishi 6M60-TL
Type ..... 4 cycle, turbo charged and after cooled, 6 cylinder in line, direct injection, water cooled diesel engine.
Piston displacement ..... 7,540 cm^3
Bore x stroke ..... 118 mm x 115 mm
Max. output ..... 200 kW at 2,600 min^{-1} {rpm}
Max. torque ..... 785 N-m at 1,400 min^{-1} {rpm}

TRANSMISSION

Electronically controlled full automatic transmission.
Torque converter driving full powershift with driving axle selector.
5 forward and 2 reverse speeds, constant mesh.
2 speeds - High range - 2 wheel drive ; 4 wheel drive
3 speeds - Low range - 4 wheel drive

AXLES

1st ..... Full floating type, steering and driving axle with planetary reduction and open differential.
2nd ..... Steering and not driving axle.
3rd ..... Full floating type, steering and driving axle with planetary reduction and open differential.

STEERING

Hydraulic power steering controlled by steering wheel.
Four steering modes available:

2-wheel front
4-wheel rear
6-wheel coordinated
6-wheel crab

SUSPENSION

1st ..... Rigid mounted to frame.
2nd,3rd .... "Hydro-Pneumatic suspension cylinders" with leveling adjustment and oscillation.

BRAKE SYSTEM

Service .... Air over hydraulic disc brakes on all 6 wheels.
Parking / Emergency .... Spring applied-air released brake acting on input shaft of 1st and 3rd axle.
Auxiliary ..... Electro-pneumatic operated exhaust brake.

ELECTRIC SYSTEM

24 V DC. 2 batteries of 12 V - 120 Ah capacity.

FUEL TANK CAPACITY

300 liters

TIRES

26.5R25☆☆, Air pressure:650kPa

TURN RADIUS

Min. turning radius (at center of extreme outer tire)
2-wheel steering .....14.9 m
6-wheel steering ..... 9.9 m

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EQUIPMENT

STANDARD EQUIPMENT

Automatic moment limiter (AML)
External lamp (AML)
Tare function
Tadano twin slewing system and front positive slewing lock
Winch automatic fail-safe brake
Cable follower
7.2 t capacity hook block (swivel hook)
Anti-two-block device
Hook safety latch
Pilot check valves
Holding valves
Counterbalance valves
Hydraulic pressure relief valves
Slewing brake
Boom angle indicator
Boom elevation foot pedal
Boom telescoping foot pedal
Outrigger extension width detector
Air conditioner (hot water heater and cooler)
Sight level gauge
Hydraulic oil cooler
Electric windshield wiper and washer
Roof window wiper and washer
Power window (cab door)
Tachometer/Speedometer
15˚ tilt cab
3 way adjustable cloth seat with seat belt, headrest and armrest
Cab floor mat
Sun visor (front and roof)
Automatic drive system
Transmission neutral position engine start
Overshift prevention
Parking braked travel warning
Tilt-telescope steering wheel
Emergency steering
Back-up alarm
Air cleaner dust indicator
Air dryer
Water separator with filter
Engine over-run alarm
Towing eyes - front and rear
Telematics (machine data logging and monitoring system) with - HELLO-NET via internet (availability depends on countries)
Winch drum rotation indicator (visual type)
Winch drum mirror
2-speed hoist
Self-removable counterweight
Additional counterweight 11.1 t
Self-removable outrigger unit
Anemometer
Boom and jib mounted aircraft warning lamp
Removable boom system
Fuel consumption monitor
Positive control
Eco mode system

OPTIONAL EQUIPMENT

☐100 t capacity hook block (8 sheaves)
☐Additional 100 t capacity hook block (8 sheaves) and additional sheaves < Used at lifting more than 100 t >
☐45 t capacity hook block (3 sheaves)
☐Over-unwinding prevention
☐Tire inflation kit

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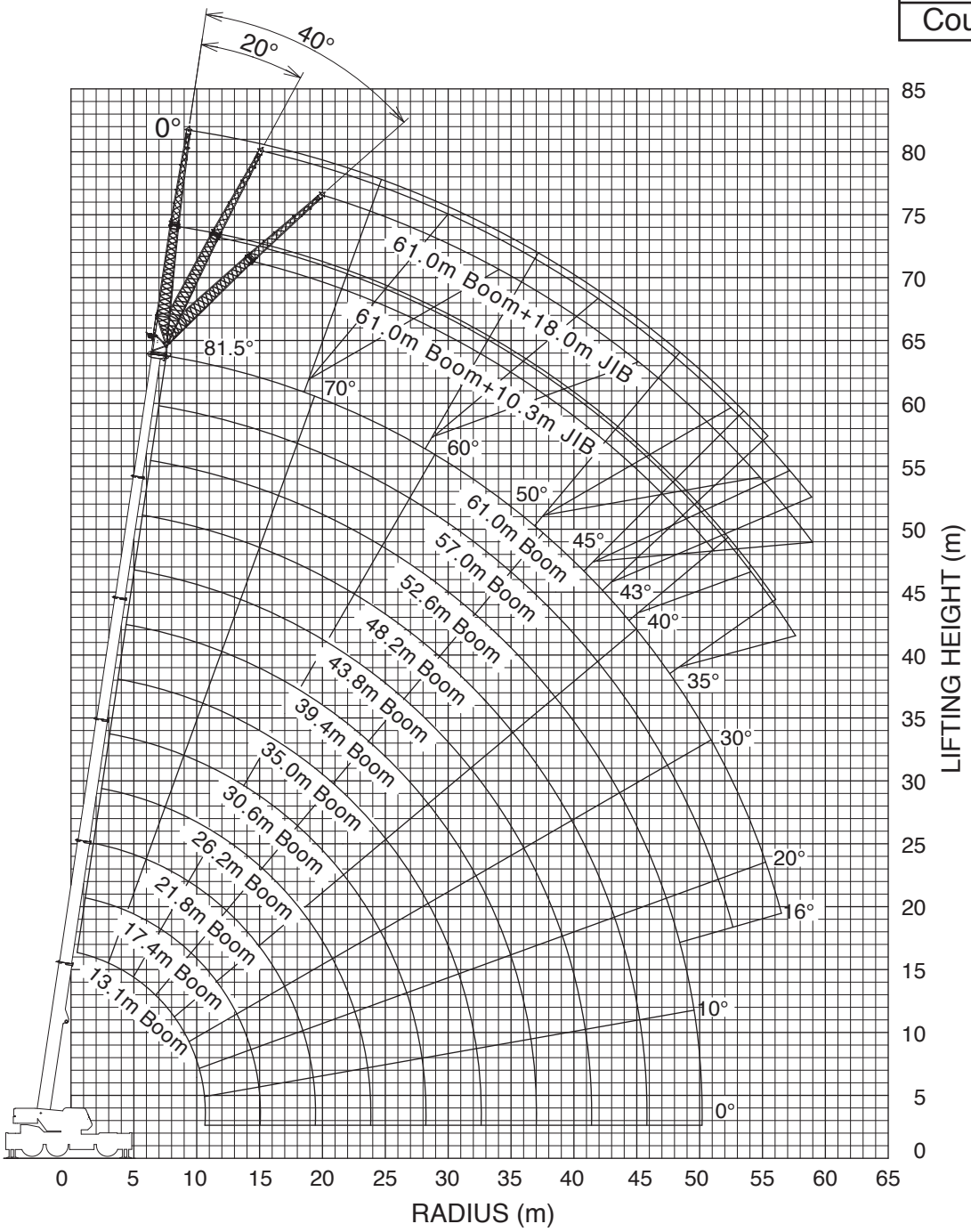
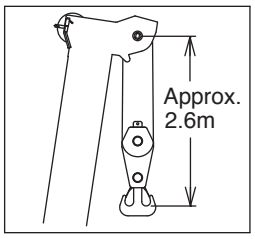
WORKING RANGE

SPEC. SHEET NO. GR-1450E-2-00101/EX-03

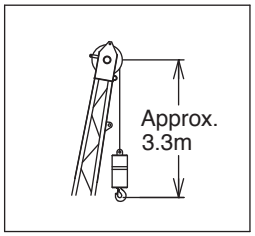
Manual offset jib
Counterweight 29.3t



BOOM



JIB



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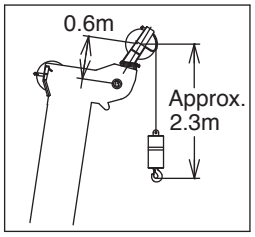

NOTE: 1.Boom and jib geometry shown are for unloaded condition and machine standing level on firm supporting surface.
Boom deflection and subsequent radius and boom angle change must be accounted for when applying load to hook.

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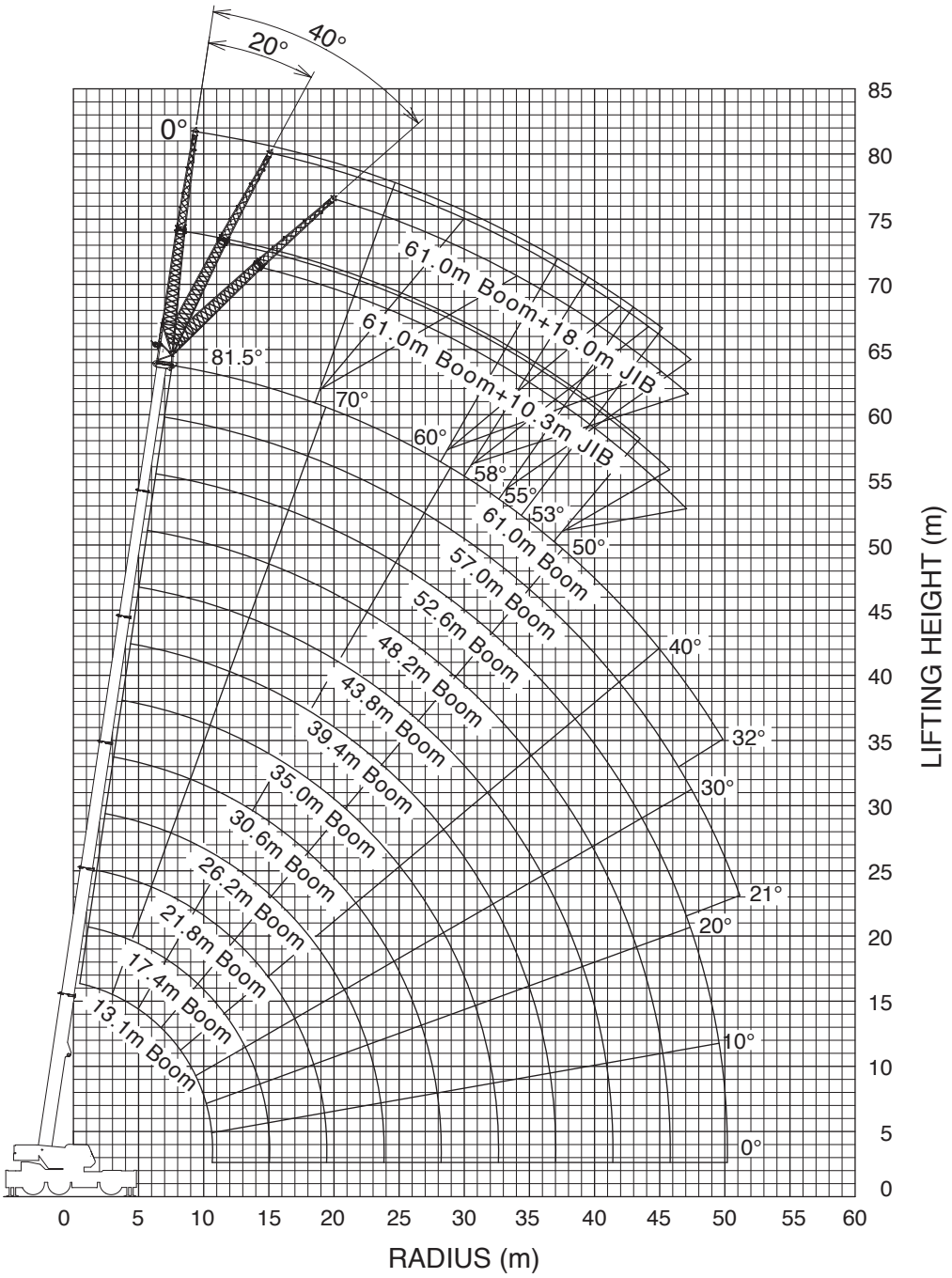
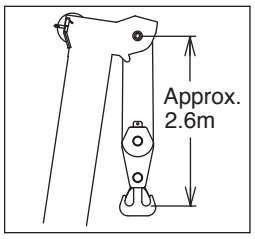
WORKING RANGE

SPEC. SHEET NO. GR-1450E-2-00101/EX-03

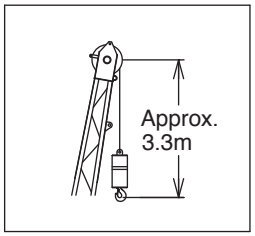
Manual offset jib
Counterweight 18.2t



BOOM



JIB



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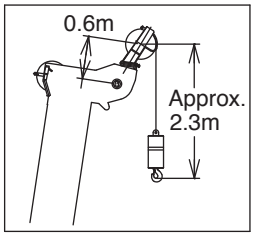

NOTE: 1.Boom and jib geometry shown are for unloaded condition and machine standing level on firm supporting surface.
Boom deflection and subsequent radius and boom angle change must be accounted for when applying load to hook.

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RATED LIFTING CAPACITIES (IN METRIC TON)
ISO4305

SPEC. SHEET NO. GR-1450E-2-00101/EX-03

Boom

COUNTERWEIGHT 29.3t
ON OUTRIGGERS FULLY EXTENDED 8.2m SPREAD
360˚ ROTATION (Unit:×1,000kg)

B \ A	13.1m	17.4m	21.8m	26.2m	30.6m	35.0m	39.4m	43.8m	48.2m	52.6m	57.0m	61.0m
2.50	**145.0	90.7	79.0									
3.00	*110.6	90.7	79.0	37.0								
3.50	*101.5	90.7	79.0	66.0								
4.00	93.6	90.1	79.0	66.0	37.0							
4.50	85.9	83.7	79.0	66.0	48.2							
5.00	79.3	78.1	75.8	66.0	48.2	35.2						
5.50	73.5	73.2	71.0	66.0	48.2	35.2						
6.00	68.3	68.3	66.7	63.5	48.2	38.7						
6.50	63.7	64.1	63.6	60.5	48.2	37.5	30.1					
7.00	59.6	60.0	60.2	57.8	48.2	35.9	30.1					
7.50	56.0	56.4	56.5	55.3	48.2	35.2	30.1	22.1				
8.00	52.7	53.1	53.2	52.9	48.0	35.2	29.5	23.9				
9.00	46.8	47.3	47.5	47.2	44.8	35.2	27.9	23.9	17.2			
10.00	37.3	41.7	41.9	41.6	41.6	35.2	26.2	22.9	18.9	13.5		
11.00		37.1	37.3	37.5	37.7	33.2	24.4	22.0	18.9	15.0		
12.00		33.4	33.5	34.3	33.9	31.5	22.7	21.0	18.4	15.0	12.0	
14.00		27.8	27.6	28.4	28.0	28.4	20.9	19.2	16.9	15.0	12.0	10.4
16.00			23.3	24.0	24.3	24.3	19.3	17.1	15.5	14.1	12.0	10.4
18.00			21.2	20.2	21.3	20.7	17.8	15.4	14.3	13.1	12.0	10.4
20.00				18.1	17.8	17.3	16.5	14.0	12.9	12.1	11.2	10.2
22.00				15.4	15.2	14.6	15.2	12.7	11.8	11.2	10.4	9.6
24.00					13.0	13.6	13.1	11.7	10.8	10.4	9.8	9.0
26.00					11.3	11.9	11.4	10.8	10.1	9.6	9.1	8.4
28.00					8.2	10.5	9.9	9.6	9.4	8.8	8.5	7.8
30.00						9.3	8.7	9.1	8.6	8.2	8.0	7.3
32.00						8.3	7.7	8.0	7.5	7.7	7.4	6.7
34.00							6.8	7.1	6.9	7.0	6.6	6.2
36.00							6.1	6.3	6.5	6.2	5.8	5.8
38.00								5.9	5.8	5.5	5.1	5.1
40.00								5.5	5.2	4.9	4.5	4.5
42.00									4.6	4.4	3.9	3.9
44.00									4.2	3.9	3.4	3.4
46.00										3.4	3.0	3.0
48.00										3.1	2.6	2.6
50.00										2.7	2.2	2.2
52.00											1.9	1.9
54.00											1.7	1.6
56.00												1.3

**Over front with special equipment
*With special equipment

A :Boom length (m)
B :Load radius (m)

In this table, the thick line which divides strength area and stability area is not shown because the figure of this table is indicated the best performance at the same boom length among the plural telescopic boom patterns.

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RATED LIFTING CAPACITIES ISO4305

SPEC. SHEET NO. GR-1450E-2-00101/EX-03

Jib

COUNTERWEIGHT 29.3t
ON OUTRIGGERS FULLY EXTENDED 8.2m SPREAD
360˚ ROTATION

C	61.0m Boom + 10.3m Manual offset jib					
	0˚ Tilt		20˚ Tilt		40˚ Tilt	
	R	W	R	W	R	W
81.5	13.2	5.5	17.3	5.5	20.3	5.2
81	13.9	5.5	18.1	5.5	21.0	5.1
80	15.9	5.5	19.7	5.4	22.4	4.9
79	17.2	5.5	21.3	5.3	23.7	4.8
78	18.8	5.5	22.5	5.1	25.1	4.7
77	20.3	5.5	23.8	4.9	26.3	4.5
76	21.9	5.5	25.3	4.8	27.6	4.4
75	23.3	5.3	26.6	4.7	28.8	4.3
73	26.1	5.0	29.2	4.4	31.2	4.1
70	29.8	4.5	32.9	4.1	34.6	3.8
68	32.3	4.3	35.2	3.9	36.8	3.6
65	35.9	4.0	38.6	3.6	39.9	3.4
63	38.0	3.7	40.8	3.5	42.0	3.3
60	41.3	3.4	43.7	3.2	45.0	3.1
58	43.4	3.2	45.8	3.0	46.7	2.9
55	46.4	3.0	48.6	2.8	49.4	2.7
53	48.2	2.8	50.4	2.7	51.1	2.6
50	50.8	2.5	52.6	2.3	53.1	2.2
48	52.2	2.2	54.0	2.0	54.5	1.9
45	54.3	1.8	56.1	1.7	56.4	1.6
43	55.7	1.6	57.3	1.4		
40	57.7	1.3	59.2	1.2		
38	58.9	1.1	60.2	1.0		
35	60.8	0.9	61.8	0.8		
33						
30						
28						
25						
E	1					

C	57.0m Boom + 10.3m Manual offset jib					
	0˚ Tilt		20˚ Tilt		40˚ Tilt	
	R	W	R	W	R	W
81.5	11.8	6.2	15.7	6.2	18.6	5.8
81	12.5	6.2	16.5	6.2	19.2	5.8
80	14.0	6.2	18.0	6.2	20.5	5.6
79	15.5	6.2	19.2	6.0	21.7	5.4
78	16.9	6.2	20.5	5.8	22.9	5.3
77	18.4	6.2	21.8	5.6	24.1	5.1
76	19.8	6.2	23.1	5.5	25.3	5.0
75	21.1	6.1	24.3	5.3	26.5	4.9
73	23.6	5.7	26.7	5.0	28.7	4.6
70	27.2	5.2	30.1	4.6	31.9	4.3
68	29.4	4.9	32.4	4.4	34.0	4.1
65	32.7	4.5	35.6	4.1	37.0	3.9
63	35.0	4.3	37.5	3.9	38.9	3.7
60	38.0	4.0	40.5	3.7	41.8	3.6
58	40.1	3.9	42.5	3.6	43.4	3.4
55	42.9	3.6	45.2	3.4	46.1	3.3
53	44.6	3.4	46.9	3.3	47.6	3.2
50	47.2	3.2	49.1	3.0	49.6	2.8
48	48.7	2.9	50.5	2.7	50.9	2.6
45	50.7	2.4	52.4	2.3	52.8	2.2
43	52.1	2.2	53.6	2.0		
40	54.0	1.8	55.4	1.7		
38	55.2	1.6	56.4	1.5		
35	56.9	1.4	58.0	1.3		
33	57.9	1.2	58.9	1.2		
30	59.5	1.1	60.0	1.0		
28	60.3	0.9	60.9	0.9		
25	61.5	0.8	61.9	0.8		
E	1					

COUNTERWEIGHT 29.3t
ON OUTRIGGERS FULLY EXTENDED 8.2m SPREAD
360˚ ROTATION

C	52.6m Boom + 10.3m Manual offset jib					
	0˚ Tilt		20˚ Tilt		40˚ Tilt	
	R	W	R	W	R	W
81.5	10.3	7.2	14.3	7.2	17.3	6.8
81	10.9	7.2	14.9	7.2	17.9	6.7
80	12.3	7.2	16.3	7.2	19.1	6.5
79	13.7	7.2	17.6	7.1	20.2	6.3
78	15.0	7.2	18.8	6.9	21.4	6.1
77	16.4	7.2	19.7	6.6	22.5	6.0
76	17.6	7.2	21.1	6.4	23.5	5.8
75	19.0	7.2	22.2	6.2	24.6	5.7
73	21.3	6.8	24.4	5.9	26.7	5.4
70	24.8	6.2	27.7	5.4	29.6	5.0
68	26.9	5.9	29.7	5.2	31.5	4.8
65	30.1	5.4	32.7	4.9	34.3	4.6
63	32.1	5.2	34.6	4.7	36.0	4.4
60	35.0	4.8	37.4	4.4	38.7	4.2
58	36.8	4.5	39.2	4.2	40.4	4.1
55	39.5	4.2	41.6	4.0	42.6	3.8
53	41.1	4.0	43.2	3.8	44.1	3.7
50	43.6	3.8	45.4	3.5	46.0	3.4
48	44.9	3.4	46.6	3.2	47.2	3.1
45	46.8	2.9	48.5	2.7	48.9	2.6
43	48.1	2.7	49.6	2.5		
40	49.9	2.3	51.2	2.1		
38	51.1	2.1	52.3	1.9		
35	52.9	1.8	54.0	1.7		
33	53.8	1.6	54.9	1.5		
30	55.3	1.4	56.1	1.3		
28	56.1	1.3	56.8	1.2		
25	57.3	1.1	57.7	1.1		
23	57.9	1.0				
20	58.8	0.9				
E	1					

C	35.0m Boom + 10.3m Manual offset jib					
	0˚ Tilt		20˚ Tilt		40˚ Tilt	
	R	W	R	W	R	W
81.5			8.9	10.6	11.3	7.3
81			9.3	10.5	11.7	7.2
80			10.1	10.2	12.5	7.1
79			10.9	10.0	13.2	7.0
78			11.9	9.7	14.0	6.9
77			12.6	9.5	14.8	6.9
76			13.3	9.3	15.5	6.8
75	11.3	14.1	14.1	9.1	16.2	6.7
73	12.9	13.2	15.6	8.7	17.6	6.5
70	15.2	12.2	17.9	8.2	19.6	6.3
68	16.7	11.6	19.3	7.9	21.0	6.2
65	18.9	10.8	21.4	7.6	22.9	6.1
63	20.3	10.4	22.8	7.4	24.2	6.0
60	22.4	9.9	24.8	7.1	26.0	5.9
58	23.7	9.6	26.0	6.9	27.2	5.8
55	25.7	9.1	27.8	6.7	28.9	5.8
53	26.8	8.7	29.0	6.5	29.9	5.7
50	28.6	8.3	30.6	6.4	31.5	5.7
48	29.7	8.0	31.7	6.3	32.4	5.7
45	31.4	7.7	33.2	6.1	33.8	5.6
43	32.4	7.5	34.1	6.1		
40	33.9	7.2	35.5	6.0		
38	34.9	6.9	36.3	5.9		
35	36.1	6.4	37.5	5.9		
33	36.9	6.1	38.1	5.8		
30	38.1	5.7	39.1	5.4		
28	38.7	5.4	39.7	5.2		
25	39.7	5.2	40.4	5.0		
23	40.3	5.0				
20	41.0	4.8				
E	2					

C :Loaded boom angle (˚)
R :Load radius (m)
W:Rated lifting capacity (Unit:×1,000kg)
E :Number of parts of line

https://truckmanualshub.com/

RATED LIFTING CAPACITIES ISO4305

SPEC. SHEET NO. GR-1450E-2-00101/EX-03

Jib

COUNTERWEIGHT 29.3t
ON OUTRIGGERS FULLY EXTENDED 8.2m SPREAD
360˚ ROTATION

C	61.0m Boom + 18.0m Manual offset jib					
	0˚ Tilt		20˚ Tilt		40˚ Tilt	
	R	W	R	W	R	W
81.5	15.1	3.7	22.4	3.7	27.2	3.2
81	16.1	3.7	23.0	3.7	28.2	3.2
80	17.7	3.7	25.0	3.7	29.6	3.1
79	19.6	3.7	26.7	3.7	31.2	3.1
78	21.5	3.7	28.3	3.6	32.6	3.0
77	23.0	3.7	29.8	3.5	34.0	3.0
76	24.9	3.7	31.4	3.4	35.4	3.0
75	26.6	3.7	32.7	3.3	36.6	2.9
73	29.7	3.7	35.5	3.1	39.3	2.9
70	33.9	3.4	39.3	2.9	42.8	2.7
68	36.7	3.3	41.9	2.8	45.1	2.6
65	40.6	3.0	45.6	2.6	48.2	2.4
63	43.3	2.9	47.9	2.5	50.5	2.4
60	46.8	2.6	51.3	2.4	53.3	2.2
58	49.2	2.5	53.3	2.2	55.3	2.2
55	52.4	2.3	56.3	2.1	57.8	2.0
53	54.3	2.1	58.0	1.9	59.1	1.7
50	56.8	1.7	60.1	1.5	60.9	1.3
48	58.6	1.5	61.7	1.3	62.2	1.1
45	60.8	1.1	63.7	1.0	64.1	0.9
43	62.3	0.9	64.9	0.8		
40						
38						
35						
E	1					

C	57.0m Boom + 18.0m Manual offset jib					
	0˚ Tilt		20˚ Tilt		40˚ Tilt	
	R	W	R	W	R	W
81.5	13.3	4.0	20.2	4.0	24.8	3.3
81	14.1	4.0	21.1	4.0	25.6	3.3
80	15.7	4.0	22.7	4.0	27.1	3.3
79	17.3	4.0	24.2	3.9	28.3	3.2
78	19.0	4.0	25.7	3.8	29.8	3.2
77	20.6	4.0	27.1	3.7	31.0	3.1
76	22.2	4.0	28.6	3.7	32.4	3.1
75	23.8	4.0	30.0	3.6	33.6	3.1
73	26.9	4.0	32.7	3.5	36.0	3.0
70	31.3	4.0	36.6	3.3	39.5	2.9
68	34.0	3.8	39.1	3.2	41.6	2.8
65	37.7	3.5	42.5	3.0	44.8	2.8
63	40.2	3.4	44.7	2.9	46.8	2.7
60	43.6	3.1	48.0	2.8	49.8	2.6
58	45.9	3.0	50.0	2.7	51.5	2.5
55	49.0	2.8	52.8	2.5	54.1	2.4
53	50.9	2.6	54.6	2.4	55.5	2.2
50	53.5	2.3	56.8	2.0	57.4	1.9
48	55.0	2.0	58.2	1.8	58.6	1.6
45	57.3	1.7	60.2	1.5	60.4	1.3
43	58.8	1.5	61.4	1.3		
40	60.8	1.2	63.1	1.0		
38	62.1	1.0	64.3	0.9		
35	64.0	0.8				
E	1					

COUNTERWEIGHT 29.3t
ON OUTRIGGERS FULLY EXTENDED 8.2m SPREAD
360˚ ROTATION

C	52.6m Boom + 18.0m Manual offset jib					
	0˚ Tilt		20˚ Tilt		40˚ Tilt	
	R	W	R	W	R	W
81.5	12.0	4.7	18.7	4.4	23.2	3.4
81	12.8	4.7	19.4	4.4	23.8	3.4
80	14.3	4.7	20.9	4.3	25.3	3.4
79	15.9	4.7	22.2	4.2	26.5	3.3
78	17.3	4.7	23.5	4.1	27.7	3.3
77	18.8	4.7	24.9	4.0	28.9	3.3
76	20.1	4.7	26.2	3.9	30.1	3.2
75	21.7	4.7	27.5	3.9	31.2	3.2
73	24.7	4.7	30.0	3.7	33.4	3.1
70	28.7	4.7	33.7	3.6	36.7	3.0
68	31.2	4.5	36.1	3.5	38.8	3.0
65	34.8	4.2	39.4	3.3	41.6	2.9
63	37.0	4.0	41.4	3.2	43.5	2.9
60	40.3	3.8	44.5	3.1	46.3	2.8
58	42.3	3.6	46.4	3.1	48.1	2.8
55	45.3	3.3	49.3	3.0	50.6	2.8
53	47.1	3.2	51.0	2.9	52.0	2.7
50	49.7	2.8	53.2	2.5	53.8	2.3
48	51.3	2.5	54.5	2.2	55.0	2.0
45	53.6	2.1	56.4	1.8	56.7	1.7
43	55.1	1.9	57.7	1.6		
40	57.1	1.6	59.5	1.4		
38	58.5	1.4	60.6	1.2		
35	60.4	1.1	62.1	1.0		
33	61.7	1.0	63.0	0.9		
30	63.3	0.8				
28						
25						
23						
20						
E	1					

C	35.0m Boom + 18.0m Manual offset jib					
	0˚ Tilt		20˚ Tilt		40˚ Tilt	
	R	W	R	W	R	W
81.5	7.4	6.4	13.3	5.4	18.0	3.7
81	8.0	6.4	13.7	5.3	18.4	3.7
80	9.0	6.4	14.7	5.2	19.3	3.6
79	10.2	6.4	15.7	5.1	20.1	3.6
78	11.1	6.4	16.6	5.0	20.9	3.6
77	12.1	6.4	17.5	4.8	21.7	3.5
76	13.0	6.4	18.5	4.7	22.5	3.5
75	14.0	6.4	19.3	4.6	23.4	3.5
73	15.8	6.4	21.2	4.5	24.9	3.4
70	18.7	6.3	22.7	4.2	27.1	3.3
68	20.3	6.0	25.4	4.1	28.5	3.2
65	22.9	5.6	27.8	3.9	30.7	3.2
63	24.6	5.3	29.4	3.8	32.0	3.2
60	27.1	5.0	31.6	3.6	34.0	3.1
58	28.7	4.8	33.0	3.6	35.3	3.1
55	30.9	4.6	35.0	3.4	37.1	3.1
53	32.4	4.4	36.5	3.4	38.1	3.0
50	34.5	4.2	38.3	3.3	39.7	3.0
48	35.9	4.1	39.6	3.3	40.7	3.0
45	37.7	3.9	41.1	3.2	42.0	3.0
43	39.0	3.8	42.2	3.2		
40	40.7	3.7	43.7	3.1		
38	41.8	3.6	44.5	3.1		
35	43.3	3.5	45.8	3.1		
33	44.3	3.4	46.5	3.1		
30	45.7	3.3	47.5	3.1		
28	46.5	3.3	48.1	3.1		
25	47.6	3.2	48.8	3.1		
23	48.3	3.2				
20	49.1	3.1				
E	1					

C :Loaded boom angle (˚)
R :Load radius (m)
W:Rated lifting capacity (Unit:×1,000kg)
E :Number of parts of line

https://truckmanualshub.com/

RATED LIFTING CAPACITIES ISO4305

SPEC. SHEET NO. GR-1450E-2-00101/EX-03

Jib

COUNTERWEIGHT 18.2t
ON OUTRIGGERS FULLY EXTENDED 8.2m SPREAD
360˚ ROTATION

C	61.0m Boom + 10.3m Manual offset jib					
	0˚ Tilt		20˚ Tilt		40˚ Tilt	
	R	W	R	W	R	W
81.5	13.2	5.5	17.3	5.5	20.3	5.2
81	13.9	5.5	18.1	5.5	21.0	5.1
80	15.9	5.5	19.7	5.4	22.4	4.9
79	17.2	5.5	21.3	5.3	23.7	4.8
78	18.8	5.5	22.5	5.1	25.1	4.7
77	20.3	5.5	23.8	4.9	26.3	4.5
76	21.9	5.5	25.3	4.8	27.6	4.4
75	23.3	5.3	26.6	4.7	28.8	4.3
73	26.1	5.0	29.2	4.4	31.2	4.1
70	29.8	4.5	32.9	4.1	34.6	3.8
68	32.3	4.3	35.2	3.9	36.8	3.6
65	35.9	4.0	38.6	3.6	39.9	3.4
63	37.8	3.6	46.7	3.2	41.8	3.0
60	40.4	2.7	43.0	2.5	44.2	2.3
58	42.2	2.3	44.6	2.1	45.9	1.9
55	44.8	1.7	47.3	1.5	48.3	1.5
53	46.5	1.4	48.8	1.2	49.8	1.2
50	49.0	1.0	51.1	0.9	51.9	0.8
48						
45						
E	1					

C	57.0m Boom + 10.3m Manual offset jib					
	0˚ Tilt		20˚ Tilt		40˚ Tilt	
	R	W	R	W	R	W
81.5	11.8	6.2	15.7	6.2	18.6	5.8
81	12.5	6.2	16.5	6.2	19.2	5.8
80	14.0	6.2	18.0	6.2	20.5	5.6
79	15.5	6.2	19.2	6.0	21.7	5.4
78	16.9	6.2	20.5	5.8	22.9	5.3
77	18.4	6.2	21.8	5.6	24.1	5.1
76	19.8	6.2	23.1	5.5	25.3	5.0
75	21.1	6.1	24.3	5.3	26.5	4.9
73	23.6	5.7	26.7	5.0	28.7	4.6
70	27.2	5.2	30.1	4.6	31.9	4.3
68	29.4	4.9	32.4	4.4	34.0	4.1
65	32.7	4.5	35.6	4.1	37.0	3.9
63	35.0	4.3	37.5	3.9	38.7	3.7
60	38.7	3.5	40.0	3.2	41.2	3.0
58	40.3	3.0	41.7	2.7	42.6	2.6
55	42.8	2.4	44.0	2.2	45.1	2.1
53	44.4	2.0	45.6	1.8	46.4	1.7
50	46.6	1.6	47.8	1.4	48.6	1.3
48	48.2	1.3	49.2	1.2	49.9	1.1
45	50.3	0.9	51.3	0.8	51.8	0.8
E	1					

COUNTERWEIGHT 18.2t
ON OUTRIGGERS FULLY EXTENDED 8.2m SPREAD
360˚ ROTATION

C	52.6m Boom + 10.3m Manual offset jib					
	0˚ Tilt		20˚ Tilt		40˚ Tilt	
	R	W	R	W	R	W
81.5	10.3	7.2	14.3	7.2	17.3	6.8
81	10.9	7.2	14.9	7.2	17.9	6.7
80	12.3	7.2	16.3	7.2	19.1	6.5
79	13.7	7.2	17.6	7.1	20.2	6.3
78	15.0	7.2	18.8	6.9	21.4	6.1
77	16.4	7.2	19.7	6.6	22.5	6.0
76	17.6	7.2	21.1	6.4	23.5	5.8
75	19.0	7.2	22.2	6.2	24.6	5.7
73	21.3	6.8	24.4	5.9	26.7	5.4
70	24.8	6.2	27.7	5.4	29.6	5.0
68	26.9	5.9	29.7	5.2	31.5	4.8
65	30.1	5.4	32.7	4.9	34.3	4.6
63	32.1	5.2	34.6	4.7	36.0	4.4
60	35.6	4.3	37.0	3.8	38.3	3.6
58	37.1	3.7	38.5	3.3	39.7	3.1
55	39.5	3.0	40.9	2.7	41.9	2.5
53	41.0	2.5	42.3	2.3	43.2	2.2
50	43.2	2.0	44.6	1.8	45.3	1.7
48	44.6	1.7	45.8	1.6	46.5	1.5
45	46.7	1.3	47.7	1.2	48.3	1.1
43	47.2	1.1	49.0	1.0		
40	49.2	0.8				
38						
35						
33						
30						
28						
25						
23						
20						
E	1					

C	35.0m Boom + 10.3m Manual offset jib					
	0˚ Tilt		20˚ Tilt		40˚ Tilt	
	R	W	R	W	R	W
81.5			8.9	10.6	11.3	7.3
81			9.3	10.5	11.7	7.2
80			10.1	10.2	12.5	7.1
79			10.9	10.0	13.2	7.0
78			11.9	9.7	14.0	6.9
77			12.6	9.5	14.8	6.9
76			13.3	9.3	15.5	6.8
75	11.3	14.1	14.1	9.1	16.2	6.7
73	12.9	13.2	15.6	8.7	17.6	6.5
70	15.2	12.2	17.9	8.2	19.6	6.3
68	16.7	11.6	19.3	7.9	21.0	6.2
65	18.9	10.8	21.4	7.6	22.9	6.1
63	20.3	10.4	22.8	7.4	24.2	6.0
60	22.4	9.9	24.8	7.1	26.0	5.9
58	23.7	9.6	26.0	6.9	27.2	5.8
55	25.7	9.1	27.8	6.7	28.9	5.8
53	26.8	8.3	29.0	6.5	29.9	5.7
50	28.5	7.2	30.6	6.4	31.5	5.7
48	29.6	6.7	31.8	6.1	32.4	5.7
45	31.2	5.9	33.1	5.5	33.7	5.3
43	32.2	5.5	34.0	5.1		
40	33.6	4.9	35.3	4.6		
38	34.5	4.6	36.1	4.3		
35	35.9	4.2	37.3	4.0		
33	36.7	4.0	38.0	3.8		
30	37.8	3.6	39.0	3.5		
28	38.5	3.5	39.5	3.3		
25	39.5	3.2	40.3	3.1		
23	40.1	3.1				
20	40.4	2.9				
E	2					

C :Loaded boom angle (˚)
R :Load radius (m)
W:Rated lifting capacity (Unit:×1,000kg)
E :Number of parts of line

https://truckmanualshub.com/

RATED LIFTING CAPACITIES ISO4305

SPEC. SHEET NO. GR-1450E-2-00101/EX-03

Jib

COUNTERWEIGHT 18.2t
ON OUTRIGGERS FULLY EXTENDED 8.2m SPREAD
360˚ ROTATION

C	61.0m Boom + 18.0m Manual offset jib					
	0˚ Tilt		20˚ Tilt		40˚ Tilt	
	R	W	R	W	R	W
81.5	15.1	3.7	22.4	3.7	27.2	3.2
81	16.1	3.7	23.0	3.7	28.2	3.2
80	17.7	3.7	25.0	3.7	29.6	3.1
79	19.6	3.7	26.7	3.7	31.2	3.1
78	21.5	3.7	28.3	3.6	32.6	3.0
77	23.0	3.7	29.8	3.5	34.0	3.0
76	24.9	3.7	31.4	3.4	35.4	3.0
75	26.6	3.7	32.7	3.3	36.6	2.9
73	29.7	3.7	35.5	3.1	39.3	2.9
70	33.9	3.4	39.3	2.9	42.8	2.7
68	36.7	3.3	41.9	2.8	45.1	2.6
65	40.6	3.0	45.5	2.6	48.2	2.2
63	42.6	2.6	47.4	2.1	49.7	1.9
60	45.5	1.9	50.0	1.6	52.1	1.4
58	47.4	1.5	51.6	1.2	53.8	1.1
55	50.2	1.0	54.3	0.8		
53	52.2	0.8				
50						
48						
E	1					

C	57.0m Boom + 18.0m Manual offset jib					
	0˚ Tilt		20˚ Tilt		40˚ Tilt	
	R	W	R	W	R	W
81.5	13.3	4.0	20.2	4.0	24.8	3.3
81	14.1	4.0	21.1	4.0	25.6	3.3
80	15.7	4.0	22.7	4.0	27.1	3.3
79	17.3	4.0	24.2	3.9	28.3	3.2
78	19.0	4.0	25.7	3.8	29.8	3.2
77	20.6	4.0	27.1	3.7	31.0	3.1
76	22.2	4.0	28.6	3.7	32.4	3.1
75	23.8	4.0	30.0	3.6	33.6	3.1
73	26.9	4.0	32.7	3.5	36.0	3.0
70	31.3	4.0	36.6	3.3	39.5	2.9
68	34.0	3.8	39.1	3.2	41.6	2.8
65	37.7	3.5	42.5	3.0	44.8	2.8
63	40.2	3.3	44.6	2.7	46.5	2.4
60	42.8	2.5	47.1	2.1	49.0	1.9
58	44.7	2.1	48.8	1.8	50.6	1.6
55	47.4	1.6	51.2	1.3	52.8	1.2
53	49.1	1.3	52.9	1.1	54.2	0.9
50	51.7	0.9				
48						
E	1					

COUNTERWEIGHT 18.2t
ON OUTRIGGERS FULLY EXTENDED 8.2m SPREAD
360˚ ROTATION

C	52.6m Boom + 18.0m Manual offset jib					
	0˚ Tilt		20˚ Tilt		40˚ Tilt	
	R	W	R	W	R	W
81.5	12.0	4.7	18.7	4.4	23.2	3.4
81	12.8	4.7	19.4	4.4	23.8	3.4
80	14.3	4.7	20.9	4.3	25.3	3.4
79	15.9	4.7	22.2	4.2	26.5	3.3
78	17.3	4.7	23.5	4.1	27.7	3.3
77	18.8	4.7	24.9	4.0	28.9	3.3
76	20.1	4.7	26.2	3.9	30.1	3.2
75	21.7	4.7	27.5	3.9	31.2	3.2
73	24.7	4.7	30.0	3.7	33.4	3.1
70	28.7	4.7	33.7	3.6	36.7	3.0
68	31.2	4.5	36.1	3.5	38.8	3.0
65	34.8	4.2	39.4	3.3	41.6	2.9
63	36.9	4.0	41.4	3.2	43.5	2.9
60	39.5	3.1	44.1	2.6	46.3	2.3
58	41.4	2.7	45.8	2.2	47.7	2.0
55	44.1	2.1	48.2	1.7	49.8	1.5
53	45.8	1.7	49.7	1.4	51.3	1.3
50	48.5	1.3	52.1	1.1	53.1	0.9
48	50.2	1.0	53.5	0.8		
45						
43						
40						
38						
35						
33						
30						
28						
25						
23						
20						
E	1					

C	35.0m Boom + 18.0m Manual offset jib					
	0˚ Tilt		20˚ Tilt		40˚ Tilt	
	R	W	R	W	R	W
81.5	7.4	6.4	13.3	5.4	18.0	3.7
81	8.0	6.4	13.7	5.3	18.4	3.7
80	9.0	6.4	14.7	5.2	19.3	3.6
79	10.2	6.4	15.7	5.1	20.1	3.6
78	11.1	6.4	16.6	5.0	20.9	3.6
77	12.1	6.4	17.5	4.8	21.7	3.5
76	13.0	6.4	18.5	4.7	22.5	3.5
75	14.0	6.4	19.3	4.6	23.4	3.5
73	15.8	6.4	21.2	4.5	24.9	3.4
70	18.7	6.3	22.7	4.2	27.1	3.3
68	20.3	6.0	25.4	4.1	28.5	3.2
65	22.9	5.6	27.8	3.9	30.7	3.2
63	24.6	5.3	29.4	3.8	32.0	3.2
60	27.1	5.0	31.6	3.6	34.0	3.1
58	28.7	4.8	33.0	3.6	35.3	3.1
55	30.9	4.6	35.0	3.4	37.1	3.1
53	32.4	4.4	36.5	3.4	38.1	3.0
50	34.5	4.2	38.3	3.3	39.7	3.0
48	35.9	4.1	39.6	3.3	40.7	3.0
45	37.7	3.9	41.1	3.2	42.0	3.0
43	39.0	3.8	42.2	3.2		
40	40.7	3.7	43.7	3.1		
38	41.7	3.4	44.5	3.1		
35	43.2	3.1	45.7	2.8		
33	44.3	2.9	46.4	2.7		
30	45.5	2.7	47.4	2.5		
28	46.3	2.5	47.9	2.3		
25	47.4	2.3	48.6	2.2		
23	48.1	2.2				
20	48.9	2.1				
E	1					

C :Loaded boom angle (˚)
R :Load radius (m)
W:Rated lifting capacity (Unit:×1,000kg)
E :Number of parts of line

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NOTES FOR "ON OUTRIGGERS" TABLE

1. Rated lifting capacities shown in the table are based on condition that crane is set on firm level surface. Those above thick lines are based on crane strength and those below, on its stability. (Excluding the table shown in page 7)
2. Rated lifting capacities based on crane stability are according to ISO4305.
3. The mass of the hook (1,080 kg for 100t capacity, 610 kg for 45t capacity, 300 kg for 7.2 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.
4. For rated lifting capacity of single top, reduce the rated lifting capacities of relevant boom according to a weight reduction for auxiliary load handling equipment. Capacities of single top shall not exceed 7,200 kg including main boom hook mass and the net capacity must be so reduced.
5. Standard number of parts of line for each boom length is as shown below. Load per line should not surpass 70.6 kN {7,200 kgf} for main winch and auxiliary winch.

Boom length	13.1m	17.4m			21.8m				26.2m			
Telescoping conditions (%)												
Tele.1	0	0	0	0	0	0	45	0	0	0	45	0
Tele.2	0	0	45	0	0	0	45	45	0	0	45	45
Tele.3	0	0	0	45	0	0	0	45	0	45	45	45
Tele.4	0	0	0	0	0	45	0	0	45	45	0	45
Tele.5	0	45	0	0	90	45	0	0	90	45	0	0
Number of parts of line	22	6	14	14	6	6	12	12	6	6	10	9

Boom length	30.6m				35.0m				39.4m		
Telescoping conditions (%)											
Tele.1	0	0	90	45	0	45	90	0	0	90	45
Tele.2	0	45	45	45	0	45	45	45	0	45	45
Tele.3	0	45	45	45	45	45	45	45	90	45	45
Tele.4	90	45	0	45	90	45	45	45	90	45	45
Tele.5	90	45	0	0	90	45	0	90	90	45	90
Number of parts of line	6	6	8	8	6	6	7	6	4	6	6

Boom length	43.8m				48.2m				52.6m	57.0m	61.0m
Telescoping conditions (%)											
Tele.1	0	45	90	90	0	90	45	45	90	90	100
Tele.2	45	45	90	45	90	90	90	90	90	90	100
Tele.3	90	45	45	45	90	90	90	90	90	90	100
Tele.4	90	90	45	45	90	45	90	90	90	90	100
Tele.5	90	90	45	90	90	45	45	90	45	90	100
Number of parts of line	4	4	4	4	4	4	4	4	4	4	4

The lifting capacity data stowed in the AUTOMATIC MOMENT LIMITER (AML) is based on the standard number of parts of line listed in the chart.
Maximum lifting capacity is restricted by the number of parts of line of AUTOMATIC MOMENT LIMITER (AML).

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RATED LIFTING CAPACITIES ISO4305

SPEC. SHEET NO. GR-1450E-2-00101/EX-03

WITHOUT COUNTERWEIGHT
ON-RUBBER STATIONARY (Unit: x 1,000kg)

B \ A	Over front and rear						360˚ Rotation					
	13.1m		17.4m		21.8m		13.1m		17.4m		21.8m	
	C		C		C		C		C		C	
2.50	73	10.0	78	10.0	80	10.0	73	10.0	78	10.0	80	10.0
3.00	71	10.0	76	10.0	79	10.0	71	10.0	76	10.0	79	10.0
3.50	68	10.0	74	10.0	78	10.0	68	9.9	74	10.0	78	10.0
4.00	66	10.0	72	10.0	76	10.0	66	8.0	72	9.7	76	10.0
4.50	63	10.0	71	10.0	75	10.0	63	6.4	71	8.1	75	9.0
5.00	61	9.2	69	10.0	74	10.0	61	5.1	69	6.8	74	7.7
5.50	58	8.0	67	9.5	72	10.0	58	4.0	67	5.7	72	6.6
6.00	55	6.9	65	8.4	71	9.1	55	3.0	65	4.7	71	5.6
6.50	52	5.9	63	7.4	69	8.1	52	2.1	63	3.9	69	4.8
7.00	49	5.1	61	6.5	68	7.4			61	3.1	68	4.1
7.50	46	4.3	59	5.8	67	6.6			59	2.4	67	3.3
8.00	43	3.3	57	5.1	65	5.9			57	1.7	65	2.7
9.00	35	1.8	53	3.7	62	4.6					62	1.7
10.00			49	2.4	59	3.4						
11.00			44	1.5	56	2.4						
12.00					52	1.7						
D	0		40		50		47		56		59	

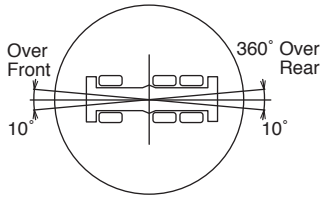
Telescoping conditions(%)

Tele.1	0	0	0	0	0	0
Tele.2	0	0	0	0	0	0
Tele.3	0	0	0	0	0	0
Tele.4	0	0	0	0	0	0
Tele.5	0	45	90	0	45	90
E	4					

NOTE: The lifting capacity data stowed in the AUTOMATIC MOMENT LIMITER (AML) 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 chart.

A :Boom length (m)
B :Load radius (m)
C :Loaded boom angle (˚)
D :Minimum boom angle (˚) for indicated length (no load)
E :Number of parts of line

WORKING AREA



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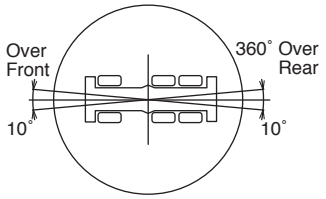
NOTES FOR "ON RUBBER" TABLES

1. Rated lifting capacities shown in the table are based on condition that crane is set on firm level surface, 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.
2. Rated lifting capacities based on crane stability are according to ISO4305.
3. The mass of the hook (1,080 kg for 100t capacity, 610 kg for 45t capacity, 300 kg for 7.2t 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.
4. For rated lifting capacity of single top, reduce the rated lifting capacities of relevant boom according to weight reductions for auxiliary load handling equipment. Capacities of single top shall not exceed 7,200 kg including main hook.
5. On-rubber lifting with "jib" is not permitted. Maximum permissible boom length is 21.8 m.
6. Tires should be inflated to their correct air pressure of 650kPa.
7. Standard number of parts of line for on-rubber operation should be according to the following table.
   Load per line should not surpass 70.6 kN {7,200 kgf} for main winch and auxiliary winch.

Boom length	13.1m	17.4m	21.8m
Telescoping conditions (%)			
Tele.1	0	0	0
Tele.2	0	0	0
Tele.3	0	0	0
Tele.4	0	0	0
Tele.5	0	45	90
Number of parts of line	4	4	4

The lifting capacity data stowed in the AUTOMATIC MOMENT LIMITER (AML) is based on the standard number of parts of line listed in the chart.
Maximum lifting capacity is restricted by the number of parts of line of AUTOMATIC MOMENT LIMITER (AML).

WORKING AREA



Over front and rear operation shall be performed within 10 degrees.

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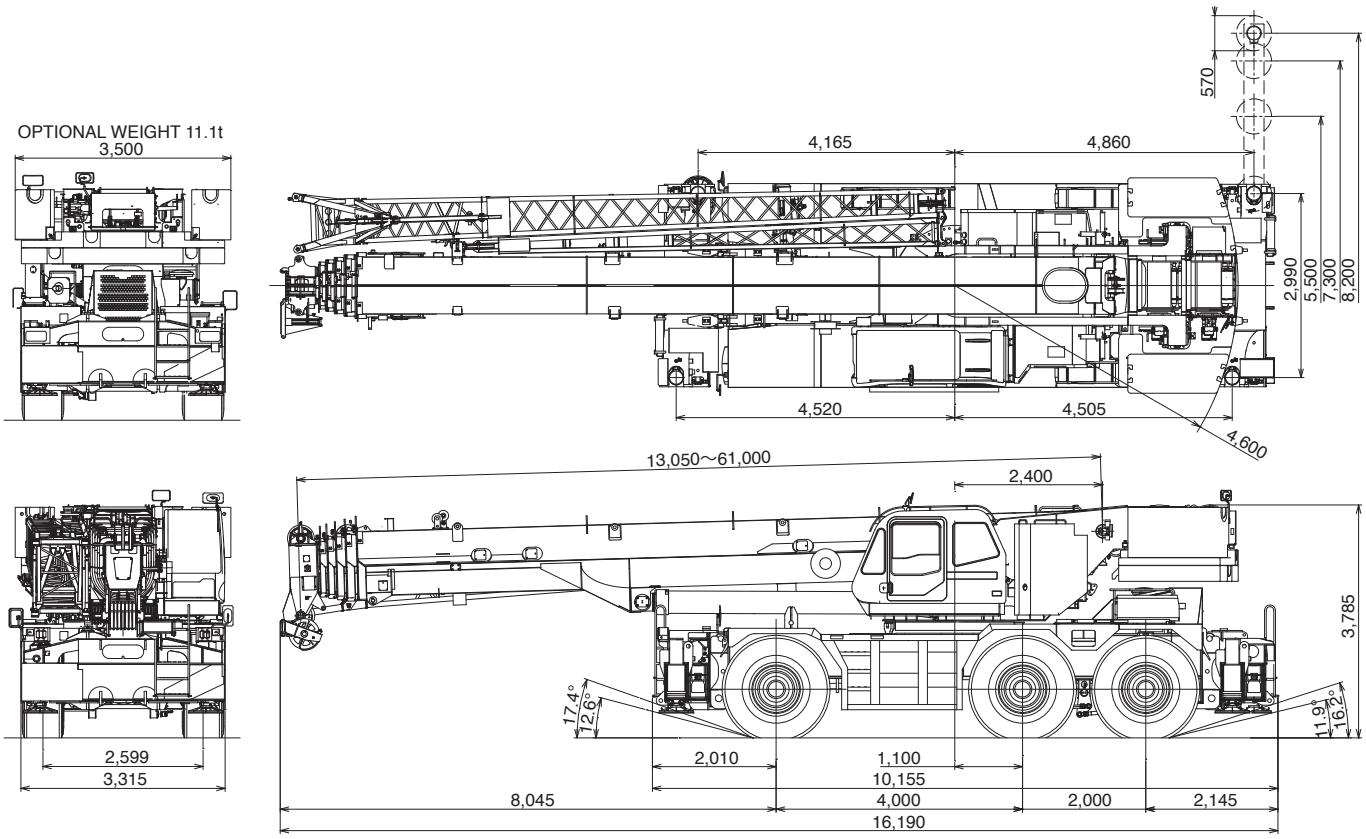
DIMENSION



Note: Dimension is with boom angle at -1.5 degree.

Axle Weight Distribution Chart

Unit : kg

		Kilograms			
		GVW	1st	2nd	3rd
Base machine		90,805	28,701	30,814	31,290
Remove:	1.7.2 t hook block	-300	-421	61	61
	2.100t hook block	-1,080	-1,771	346	346
	3.Counterweight 11,100kg	-11,120	3,351	-7,236	-7,236
	4.Counterweight 18,200kg	-18,160	5,473	-11,816	-11,816
	5.Front outrigger unit	-4,481	-5,742	630	630
	6.Rear outrigger unit	-4,481	2,279	-3,380	-3,380
	7.Auxiliary Winch & wire rope	-1,202	490	-846	-846
	8.Top jib	-387	-460	37	37
	9.Base jib	-1,063	-1,838	388	388
	10.Boom	-15,624	-19,547	1,962	1,962
Add:	45t hook block	+610	+1,000	-195	-195

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Specifications are subject to change without notice.

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