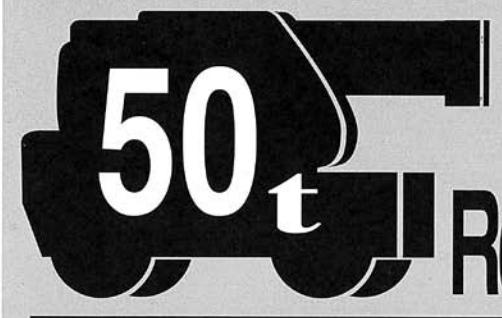


NEW RK SERIES

RK500-2

Rough Terrain Crane

Max. Lifting Capacity: 51 ton x 2.9 m

UPPER STRUCTURE

Crane Performance			
Max. rated load		10.2 m boom	51,000kg×2.9m (11-line)
		17.4 m boom	28,000kg×5.0m (6-line)
		23.6 m boom	22,000kg×5.5m (5-line)
		24.6 m boom	20,000kg×6.0m (5-line)
		31.8 m boom	14,000kg×6.5m (4-line)
		39.0 m boom	76,000kg×10.0m (4-line)
		9.0 m jib (max.)	3,500kg (single-line)
		15.0 m jib (max.)	24,000kg (single-line)
		Aux.sheave (max.)	5,000kg (single-line)
Main boom length		10.2m to 39.0m	
Jib length		9.0m/15.0m	
Hook height		40.2m(main hook),54.9m(jib hook)	
Operating radius		34.0m(boom),38.8m(jib)	
STD high speed winch (free fall less)		Main:170m/min(highspeed)/115m/min(at 4th layer)	
		Aux:100m/min(at 2nd layer)	
Optional winch with Free fall device		Main : 126 m/min (at 4th layer)	
		Aux : 109 m/min (at 2nd layer)	
Boom telescoping speed		117 sec/28.8m	
Boom raising speed		55.0 sec/0° to 83.5°	
Swing speed		2.1min^{-1} {2.1rpm}	
Boom Structure			
Main boom		Five section, box construction,2nd and 3nd section, and 4th and 5 th sections simultaneously telescoping	
Jib		Compressed truss, box construction, 2-step drawing out type, Power set jib,3-step variable tilt type, offset angle 5°,17°and30°	
Boom hoist device		Direct forced type by double acting hydraulic cylinder	
Load hoist device		Hydraulic motor drive with spur gear reduction with auto-brake,and free fall, independent 2 winches	
Swing device		Hydraulic drive motor with planetary gear reduction with negative brake, free/lock selector type	
Outrigger	Type	Hydraulic H-type	
	Extension width	7.4m, 6.8m, 5.5m, 4.1m and 2.55m	
Wire rope			
Main winch wire rope		18mm dia. x 220m IWRC 6 x Fi (22+7)	
Aux.winch wire rope		18mm dia. x 120m IWRC 6 x Ws (26)	
Hydraulic system			
Hydraulic pump		2 variable plunger pumps + 3 gear pumps	
Hydraulic oil tank		600 liters	
Safety device			

Moment limiter (auto-stop), Multi display (include backward check camera), Swing range limit device, Working range limit device, Swing automatic stop device, Overhoist prevention device (auto-stop), interceptive lever lock for on and off, Outrigger extension width automatic detecting device, Auxiliary brake for operating, Swing lock device Safety lock lever, Hydraulic safety valve, Sling wire lock, Boom telescoping default operation prevention device, Boom telescope safety device, Boom hoist safety device, Check & Safety Monitor, Winch drum safety device, Swing alarm lamps, Outrigger safety device, Free fall interlock device for Optional WinchWith free fall device, Monitoring camera for drum

CARRIER

Carrier performance		
Max. travel speed		49km/h
Gradeability		tanθ 0.577 (30°)
Min. turning radius		10.8 m - 2WS
		6.3 m - 4WS
Engine	Model	NISSAN 2A-GE13C
	Type	Water cooled, 4 cycle, 6 cyls, direct injection diesel with intercoold turbocharger
Total displacement		13.074L
Max. output		272kW/2,000min^{-1} {370PS/2,000rpm}
Max. torque		1470N·m/1,100min^{-1} {150kgf·m/1,100rpm}
Steering		
Travel drive type		4WD (4×4) /2WD (4×2) selecting type
Torque converter		3 elements, 1 stage, 2 phases Electronic control full automatic with lock-up clntch
Transmission	Model	Electronic control full automatic shift
	No. of speed shift	3 speed forward / 1 speed reverse (with high/low shift)
Reduction unit form		Axle 2 step reduction unit
Axle front wheel/rear wheel		All floating type with pneumatic suspension
Steering	Form	Hydraulic power steering with emergency steering device and about-face steering compensation device
	Mode	Normal (front 2W), cramp (4W), crab (4W) and rear (rear 2W)
Brake	Mainservice	Hydraulic disc brake with air booster, on all wheels
	Auxiliary	Torque converter lock-up linked electronic exhaust brake, with fluid-type retarder
	Parking	Propel shaft brake internal expansion type with auxiliary brake for crane operation
Fuel tank capacity		300 liters
Tires (front and rear)		505/95 R25 183E ROAD
Safety device		

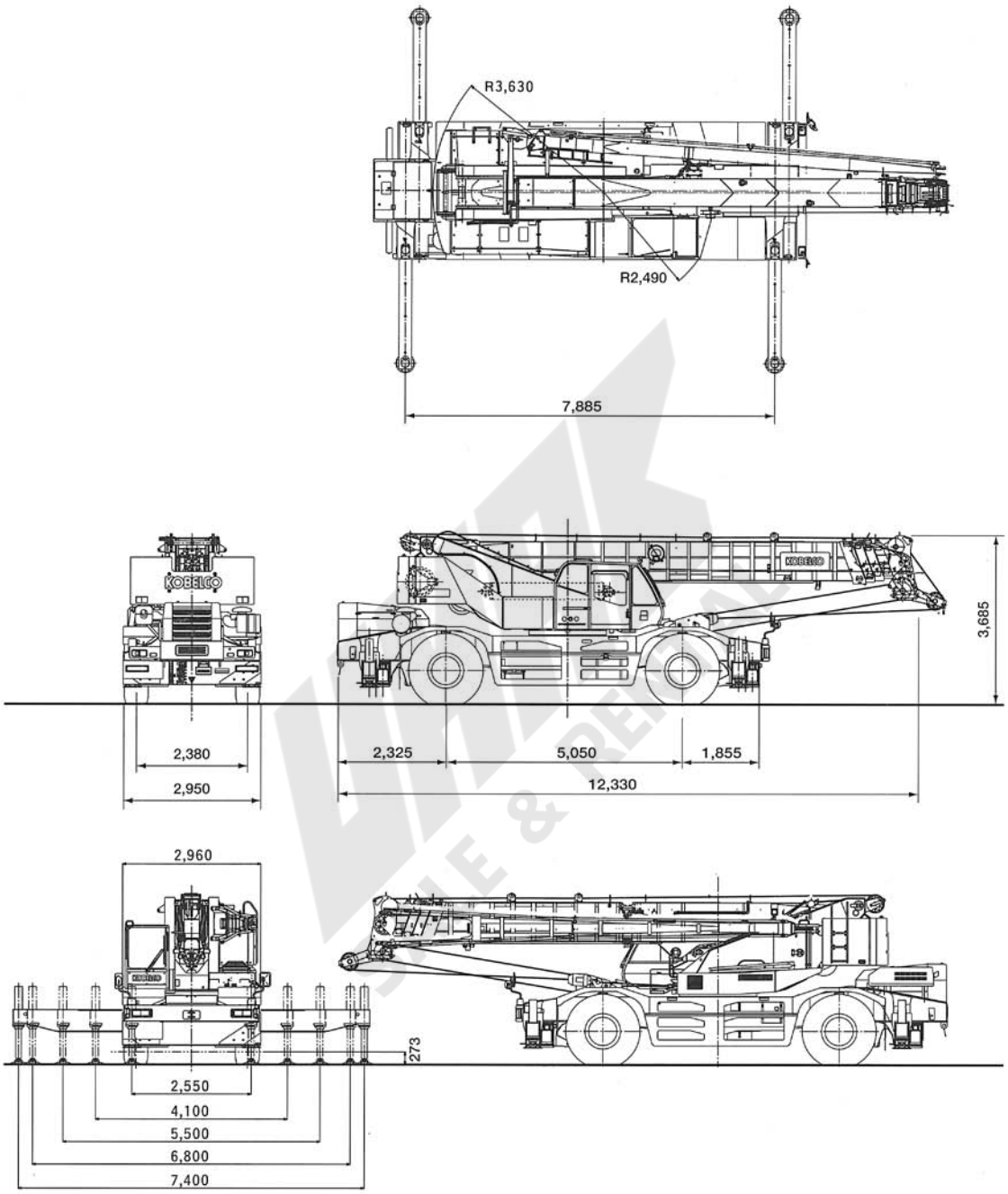
Emergency steering device, Rear steering auto-lock, Suspension lock device, Engine overrun warning device, Check & Safety Monitor, Boom mirror, reverse travel buzzer

Measurement	
Overall length	12,330mm
Overall width	2,960mm
Overall hight	3,685mm
Wheel base	5,050mm
Tred	2,380mm
Front over hang	4,955mm
Rear over hang	2,325mm
Total weight	
Total load	38,895kg
Front axle load	19,445kg
Rear axle load	19,450kg
Passenger	
	1 person

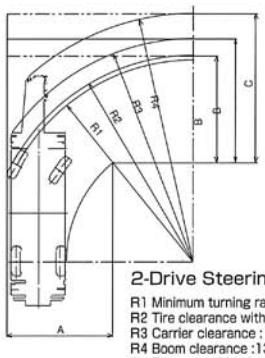
Units are SI units. {} indicates conventional units.

KOBELCO

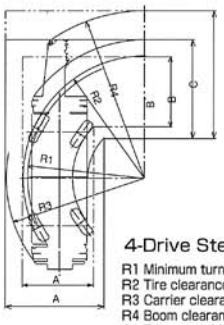
Dimensions


R3,630
R2,490
7,885
KOBELCO
3,685
2,380
2,950
2,325
5,050
1,855
12,330
2,960
273
2,550
4,100
5,500
6,800
7,400

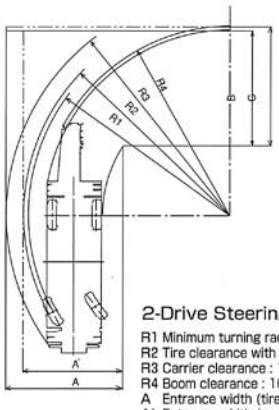
TURNING RADIUS



2-Drive Steering (Front)
R1 Minimum turning radius : 10.80m
R2 Tire clearance with cab : 11.05m
R3 Carrier clearance : 11.95m
R4 Boom clearance :13.30m
A Entrance width (carrier) : 5.73m
B' Exit width (carrier) : 5.73m
B Exit width (tires) : 6.62m
C Exit width (boom) : 7.98m



4-Drive Steering
R1 Minimum turning radius : 6.30m
R2 Tire clearance with cab : 6.55m
R3 Carrier clearance : 7.44m
R4 Boom clearance : 8.98m
A Entrance width (tires) : 5.25m
A' Entrance width (carrier) : 3.79m
B' Exit width (tirescarrier) : 3.79m
B Exit width (carrier) : 5.25m
C Exit width (boom) : 6.82m



2-Drive Steering (Rear)
R1 Minimum turning radius : 10.80m
R2 Tire clearance with cab : 11.05m
R3 Carrier clearance : 11.96m
R4 Boom clearance : 10.14m
A Entrance width (tires) : 5.31m
A' Entrance width (carrier) : 6.22m
B Exit width (carrier) : 6.22m
C Exit width (boom) : 6.43m

BOOM LIFTING CAPACITIES

NOTES

OPERATION WITH OUTRIGGERS

1.Rated load do not exceed 75% of the tipping loads with machine set horizontally on a firm and level ground, satisfy the specified stability over the front, and include weight of hook block(s) and other handling accessories. Ratings shown in are based on the machine's structural strength, and others are determined by the machine's stability.

2.The working radius given in the charts allow for loaded boom deflection. Always operate the machine on the basis of actual operating radius.

3.Weight of hooks, hook blocks, slings and other lifting devices are a part of the total load. Their total weight must be subtracted load to obtain the weight that can be lifted.

Hooks	51-ton	25-ton	5-ton
Weight	430kg	300kg	90kg

4.Maximum outrigger extension is 7.4 m. Three intermediate extension positions are also provided at 6.8 m, 5.5 m and 4.1 m. Minimum outrigger extension is 2.55 m.

Outrigger extension	6.8m	5.5m	4.1m	Min. outrigger extension
α° (Front)	30°	24°	17°	7°
β° (Rear)	28°	23°	15°	6°

5.Rated load in the over-the-side whole around various depending on the extension position of outriggers. Therefore, crane operation must be performed based on the rating chart corresponding to each extended outrigger position.

6.To determine load ratings that fall between those shown in the charts, proceed as follows:
a) For boom lengths not listed use rating for next longer boom length or next shorter boom length, whichever is smaller.
b) For load radii not shown, use rating for next larger radius.

7.Ratings of the auxiliary sheave are the same as main boom ratings, but should not exceed 5,000 kg. Ratings of the auxiliary sheave are calculated by deducting 25-ton hook weight (300 kg) from main boom ratings.

8.Jib operation must be based on the main boom angle.

9.Ratings of the boom with extended jib are calculated by deducting 1,800 kg at 9.0 m jib or 2,100 kg at 15.0 m jib besides the weight of 25-ton hook block and the sling wire from the rated loads. At this time, do not use the auxiliary sheave.

10.In such a condition not shown in the rating chart, operation is impossible. Lowering the boom over critical degrees leads to overturn even with noload. Be careful extreamly.

11.Standard hoist reevings are shown below. Rated single-line pull must not exceed 5,000 kg.

Boom length	10.2m	17.4m	23.6m	24.6m	31.8m	39.0m
Hook	51-ton		25-ton			
No. of reeving	11	6	5	5	4	4

12.In order to prevent a load from falling down to mistake of operation, do not use free-fall in crane operation.

13.In lifting load operation in an oblique direction (direction toward the outrigger), sometimes the outrigger float in the diagonal side against the lifted load may be raised depending on a condition. This is caused by torsional rigidity and deflection of the carrier frame, and stability is not lost. The stabilitty of this machine in operation within the rating is secured in the condition that the machine is set horizontally on a level and firm ground.

OPERATION WITHOUT OUTRIGGERS (ON TIRES)

1.Rated load do not exceed 75% of the tipping loads with machine set horizontally on a firm and level ground, satisfy the specified stability over the front, and include weight of hook block(s) and other handling accessories. Ratings shown in are based on the machine's structural strength, and others are determined by the machine's stability. Tire specified air pressure is set to 800 kPa (8.00 kgf/cm2)

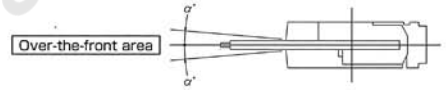
2.The working radius given in the charts allow for loaded boom deflection. Always operate the machine on the basis of actual operating radius.

3.Weight of hooks, hook blocks, slings and other lifting devices are a part of the total load. Their totol weight must be subtracted load to obtain the weight that can be lifted.

Hooks	51-ton	25-ton	5-ton
Weight	430kg	300kg	90kg

*Tire specified air pressure: 800 kPa (8.00 kgf/cm2)

4.Load ratings differ for over-the-front and over-the-side operation. Care must be taken to avoid overload when swinging a load from an over-the-front position to an over-the-side position.



On tires	Stationary	Pick & carry
α°(FRONT)	1°	1°

5.Ratings of the auxiliary sheave are the same as main boom ratings, but should not exceed 5,000 kg. Ratings of the auxiliary sheave are calculated by deducting 25-ton hook weight (300 kg) from main boom ratings.

6. Do not use jib operation and free fall.

7.Parking brake and auxiliary operation brake must be applied during stationary load lifting.

8.Pick and carry operations must be done in the low travel mode.

9.During pick and carry operations, keep the load close to the ground to avoid swaying, and travel no faster than 2.0 km/h. Avoid cornering, sudden starts (acceleration), and sudden braking. Boom must be centered over the front area.

10.Do not operate the crane functions while carrying the load.

11.Standard hoist reevings are shown below. Single-line load must not exceed 5,000 kg.

Boom length	10.2m	17.4m	23.6m	24.6m	31.8m	39.0m
Hook	51-ton		25-ton			
No. of reeving	11	6	5	5	4	4

BOOM LIFTING CAPACITIES

RK500-2

Main Boom Lifting Capacities with Outriggers

Unit: metric ton

Operating radius (m) \ Boom length (m)	With outriggers in 7.4m position(Whole around)						With outriggers in 6.8m position(Over side)					
	10.2	17.4	23.6	24.6	31.8	39.0	10.2	17.4	23.6	24.6	31.8	39.0
2.9	51.00						51.00					
3.0	50.00	28.00	22.00	20.00			50.00	28.00	22.00	20.00		
3.2	45.00	28.00	22.00	20.00	14.00		45.00	28.00	22.00	20.00	14.00	
3.5	41.00	28.00	22.00	20.00	14.00		41.00	28.00	22.00	20.00	14.00	
3.75	38.90	28.00	22.00	20.00	14.00		38.90	28.00	22.00	20.00	14.00	
4.0	37.00	28.00	22.00	20.00	14.00		37.00	28.00	22.00	20.00	14.00	
4.5	33.50	28.00	22.00	20.00	14.00	7.60	33.50	28.00	22.00	20.00	14.00	7.60
5.0	30.20	28.00	22.00	20.00	14.00	7.60	30.20	28.00	22.00	20.00	14.00	7.60
5.5	27.50	26.10	22.00	20.00	14.00	7.60	27.50	26.10	22.00	20.00	14.00	7.60
6.0	25.00	24.40	20.50	20.00	14.00	7.60	25.00	24.40	20.50	20.00	14.00	7.60
6.5	22.70	22.40	19.20	18.80	14.00	7.60	22.70	22.40	19.20	18.80	14.00	7.60
7.0	20.70	20.60	18.10	17.70	13.60	7.60	20.70	20.60	18.10	17.70	13.60	7.60
7.2	11.50	20.00	17.70	17.30	13.45	7.60	11.50	20.00	17.70	17.30	13.45	7.60
7.5		18.90	17.00	16.60	13.10	7.60		18.90	17.00	16.60	13.10	7.60
8.0		17.50	16.10	15.70	12.60	7.60		17.50	16.10	15.70	12.60	7.60
8.5		16.20	15.20	14.80	12.05	7.60		16.20	15.20	14.80	12.05	7.60
9.0		15.00	14.40	14.00	11.50	7.60		14.50	14.40	14.00	11.50	7.60
9.5		14.00	13.50	13.20	11.00	7.60		13.00	12.90	12.80	11.00	7.60
10.0		13.10	12.70	12.40	10.50	7.60		11.70	11.65	11.60	10.50	7.60
11.0		11.10	11.10	11.00	9.60	7.10		9.70	9.60	9.50	9.60	7.10
12.0		9.35	9.30	9.25	8.80	6.60		8.10	8.05	8.00	8.80	6.60
13.0		7.90	7.80	7.75	8.10	6.15		6.90	6.80	6.75	7.60	6.15
14.0		6.80	6.70	6.65	7.50	5.75		5.90	5.80	5.75	6.60	5.75
14.4		4.00	6.30	6.25	7.10	5.60		4.00	5.50	5.40	6.25	5.60
15.0			5.75	5.70	6.55	5.35			4.95	4.90	5.70	5.35
16.0			5.00	4.95	5.75	5.00			4.25	4.20	5.00	5.00
17.0			4.35	4.30	5.05	4.70			3.65	3.65	4.40	4.70
18.0			3.80	3.75	4.45	4.40			3.10	3.00	3.90	4.30
19.0			3.25	3.20	3.90	4.20			2.60	2.50	3.40	3.85
20.0			2.75	2.70	3.45	4.00			2.10	2.05	3.00	3.45
20.6			2.50	2.45	3.20	3.80			1.90	1.80	2.75	3.25
21.0				2.30	3.05	3.60				1.65	2.60	3.10
21.6				2.10	2.90	3.40				1.50	2.35	2.90
22.0					2.75	3.25					2.15	2.75
23.0					2.40	2.90					1.85	2.40
24.0					2.05	2.60					1.55	2.05
25.0					1.75	2.30					1.30	1.75
26.0					1.50	2.05					1.05	1.50
27.0					1.25	1.80					0.85	1.30
28.0					1.05	1.55					0.65	1.10
28.8					0.90	1.40						0.95
29.0						1.35						0.90
30.0						1.15						0.70
31.0						1.00						0.55
32.0						0.85						
33.0						0.70						
34.0						0.55						
Min. boom angle	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	14°	31°

Operating radius (m) \ Boom length (m)	With outriggers in 5.5m position(Over sid)						With outriggers in 4.1m position(Over side)					
	10.2	17.4	23.6	24.6	31.8	39.0	10.2	17.4	23.6	24.6	31.8	39.0
2.9	45.00						40.00					
3.0	45.00	28.00	22.00	20.00			40.00	28.00	22.00	20.00		
3.2	43.30	28.00	22.00	20.00	14.00		37.30	28.00	22.00	20.00	14.00	
3.5	41.00	28.00	22.00	20.00	14.00		33.20	28.00	22.00	20.00	14.00	
3.75	38.90	28.00	22.00	20.00	14.00		30.00	28.00	22.00	20.00	14.00	
4.0	37.00	28.00	22.00	20.00	14.00		27.00	28.00	22.00	20.00	14.00	
4.5	33.50	28.00	22.00	20.00	14.00	7.60	22.00	23.00	22.00	20.00	14.00	7.60
5.0	30.20	28.00	22.00	20.00	14.00	7.60	18.50	18.50	18.00	17.00	14.00	7.60
5.5	25.00	26.10	22.00	20.00	14.00	7.60	15.70	15.30	14.80	14.90	14.00	7.60
6.0	21.15	22.30	20.50	20.00	14.00	7.60	13.30	13.00	12.45	12.80	12.70	7.60
6.5	17.90	18.80	18.75	18.70	14.00	7.60	11.40	11.10	10.65	11.00	11.50	7.60
7.0	15.45	16.15	16.10	16.00	13.60	7.60	9.90	9.60	9.20	9.50	10.40	7.60
7.2	11.50	15.45	15.40	15.30	13.45	7.60	9.40	9.10	8.80	9.00	9.90	7.60
7.5		14.10	14.00	13.95	13.10	7.60		8.40	8.05	8.30	9.20	7.60
8.0		12.40	12.35	12.25	12.60	7.60		7.40	7.10	7.30	8.20	7.60
8.5		11.00	10.95	10.85	11.85	7.60		6.55	6.25	6.45	7.30	7.60
9.0		9.80	9.75	9.70	10.65	7.60		5.80	5.55	5.70	6.65	7.00
9.5		8.80	8.75	8.70	9.60	7.60		5.20	4.95	5.10	5.90	6.35
10.0		7.95	7.90	7.85	8.70	7.60		4.65	4.40	4.55	5.35	5.80
11.0		6.55	6.45	6.40	7.25	7.10		3.70	3.50	3.60	4.40	4.80
12.0		5.45	5.35	5.30	6.15	6.60		2.95	2.80	2.85	3.60	4.05
13.0		4.55	4.50	4.45	5.20	5.65		2.30	2.20	2.15	3.00	3.40
14.0		3.85	3.75	3.70	4.45	4.90		1.70	1.60	1.55	2.45	2.90
14.4		3.65	3.50	3.50	4.25	4.65		1.50	1.40	1.30	2.25	2.70
15.0			3.10	3.05	3.85	4.25			1.10	1.00	1.95	2.45
16.0			2.45	2.45	3.30	3.75					1.50	2.00
17.0			1.95	1.90	2.85	3.25					1.10	1.60
18.0			1.45	1.45	2.35	2.85					0.75	1.25
19.0			1.10	1.05	1.95	2.45						0.95
20.0			0.75	0.70	1.60	2.10						0.70
20.6			0.60	0.55	1.40	1.90						
21.0					1.25	1.75						
21.6					1.10	1.60						
22.0					0.95	1.45						
23.0					0.70	1.20						
24.0						0.95						
25.0						0.75						
26.0						0.55						
Min. boom angle	0°	0°	0°	19°	37°	43°	0°	0°	43°	45°	50°	55°

Unit: metric ton

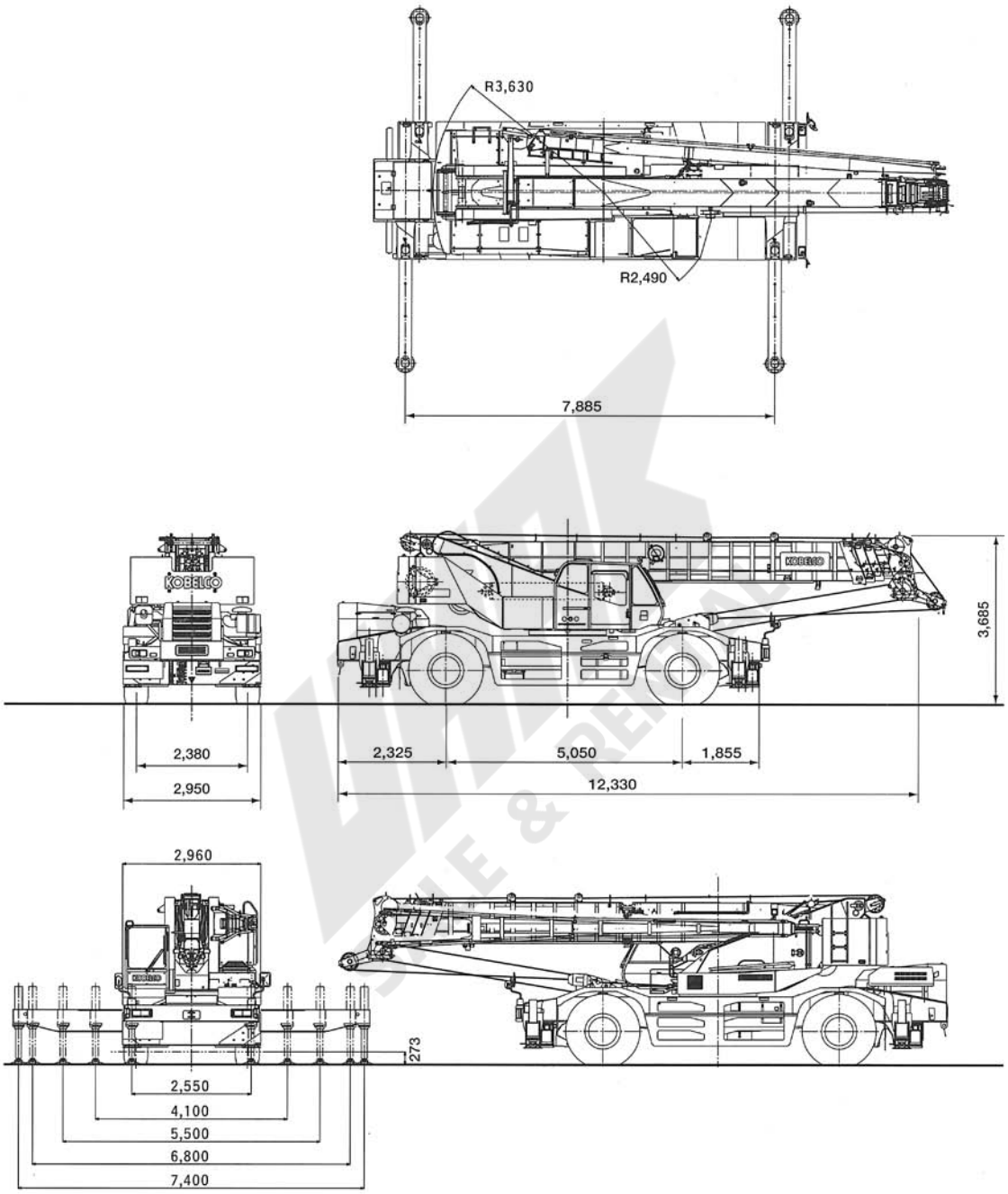
Operating radius (m) \ Boom length (m)	With outriggers in 3.5m position(Over side)				With outriggers in 2.55m position(Over side)			
	10.2	17.4	23.6	24.6	10.2	17.4	23.6	24.6
2.9	25.00				16.00			
3.0	25.00	19.00	17.10	17.00	16.00	12.00	11.10	11.00
3.2	25.00	19.00	17.10	17.00	16.00	12.00	11.10	11.00
3.5	25.00	19.00	17.10	17.00	16.00	12.00	11.10	11.00
3.75	24.40	19.00	17.10	17.00	15.40	12.00	11.10	11.00
4.0	22.35	19.00	17.10	17.00	14.00	12.00	11.10	11.00
4.5	17.60	17.40	16.10	16.00	11.30	10.90	10.90	10.80
5.0	14.35	14.20	14.05	14.00	9.30	9.05	9.00	8.90
5.5	12.00	11.85	11.65	11.60	7.80	7.55	7.55	7.45
6.0	10.15	10.00	9.85	9.80	6.60	6.40	6.35	6.25
6.5	8.70	8.50	8.40	8.35	5.65	5.45	5.40	5.30
7.0	7.55	7.35	7.25	7.20	4.85	4.65	4.65	4.55
7.2	7.25	7.05	6.90	6.85	4.55	4.40	4.35	4.25
7.5		6.45	6.30	6.25		4.00	4.00	3.90
8.0		5.60	5.50	5.45		3.45	3.40	3.30
8.5		4.90	4.80	4.75		2.95	2.90	2.80
9.0		4.30	4.20	4.15		2.50	2.45	2.35
9.5		3.75	3.70	3.65		2.05	2.00	1.90
10.0		3.30	3.25	3.20		1.65	1.60	1.50
11.0		2.60	2.55	2.50		0.95	0.90	0.80
12.0		1.90	1.85	1.80				
13.0		1.30	1.25	1.20				
14.0		0.80	0.70	0.65				
Min. boom angle	0°	15°	46°	49°	0°	40°	56°	58°

BOOM LIFTING CAPACITIES

Main Boom Lifting Capacities without Outriggers

Operating radius (m) \ Boom length (m)	Stationary						Pick & Carry (under 2 km/h)						Boom length (m) \ Operating (m) radius
	360° swing area			Over the front			360° swing area			Over the front			
	10.2	17.4	24.6	10.2	17.4	24.6	10.2	17.4	24.6	10.2	17.4	24.6	
3.0	12.00	10.00	5.50	20.00	15.00	10.50	8.00	6.50	4.50	14.50	10.50	8.00	3.0
3.5	9.10	8.50	5.50	20.00	15.00	10.50	8.00	6.50	4.50	14.50	10.50	8.00	3.5
3.75	8.05	7.50	5.50	20.00	15.00	10.50	8.00	6.50	4.50	14.50	10.50	8.00	3.75
4.0	7.20	6.65	5.50	20.00	15.00	10.50	7.20	6.50	4.50	14.50	10.50	8.00	4.0
4.5	5.70	5.25	5.00	17.40	15.00	10.50	5.70	5.30	4.50	12.50	10.50	8.00	4.5
5.0	4.50	4.15	4.00	15.50	15.00	10.50	4.50	4.20	4.20	11.00	10.50	8.00	5.0
5.5	3.60	3.25	3.15	14.00	13.70	10.50	3.60	3.30	3.25	10.00	10.50	8.00	5.5
6.0	2.80	2.55	2.45	12.80	12.40	10.50	2.80	2.60	2.45	9.10	9.50	8.00	6.0
6.5	2.20	1.95	1.85	11.70	11.30	9.50	2.20	2.00	1.90	8.40	8.60	8.00	6.5
7.0	1.70	1.45	1.35	10.70	10.30	8.70	1.70	1.50	1.40	7.80	7.80	7.25	7.0
7.2	1.50	1.25	1.15	10.20	9.90	8.35	1.50	1.30	1.20	7.50	7.50	7.00	7.2
7.5		1.05	0.95		9.40	7.90		1.10	1.00		7.10	6.65	7.5
8.0		0.70	0.65		8.60	7.30		0.75	0.65		6.50	6.05	8.0
8.5					7.70	6.80					5.85	5.50	8.5
9.0					6.80	6.30					5.30	5.00	9.0
9.5					6.05	5.75					4.80	4.55	9.5
10.0					5.40	5.25					4.30	4.10	10.0
11.0					4.35	4.20					3.60	3.35	11.0
12.0					3.50	3.35					3.00	2.75	12.0
13.0					2.80	2.65					2.45	2.25	13.0
14.0					2.20	2.10					2.00	1.80	14.0
14.4					2.00	1.90					1.80	1.65	14.4
15.0						1.60						1.40	15.0
16.0						1.20						1.05	16.0
17.0						0.85						0.75	17.0
Min. boom angle	0°	54°	66°	0°	0°	38°	0°	54°	66°	0°	0°	38°	Min. boom angle

Dimensions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R2,490
7,885
KOBELCO
3,685
2,380
2,950
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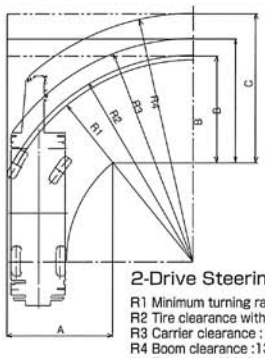
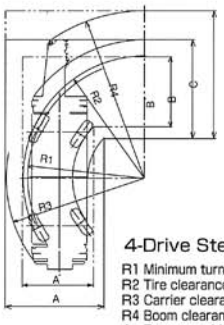
273
2,550
4,100
5,500
6,800
7,400

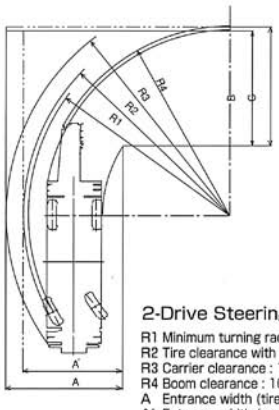
TURNING RADIUS



2-Drive Steering (Front)
R1 Minimum turning radius : 10.80m
R2 Tire clearance with cab : 11.05m
R3 Carrier clearance : 11.95m
R4 Boom clearance :13.30m
A Entrance width (carrier) : 5.73m
B' Exit width (carrier) : 5.73m
B Exit width (tires) : 6.62m
C Exit width (boom) : 7.98m



4-Drive Steering
R1 Minimum turning radius : 6.30m
R2 Tire clearance with cab : 6.55m
R3 Carrier clearance : 7.44m
R4 Boom clearance : 8.98m
A Entrance width (tires) : 5.25m
A' Entrance width (carrier) : 3.79m
B' Exit width (tirescarrier) : 3.79m
B Exit width (carrier) : 5.25m
C Exit width (boom) : 6.82m



2-Drive Steering (Rear)
R1 Minimum turning radius : 10.80m
R2 Tire clearance with cab : 11.05m
R3 Carrier clearance : 11.96m
R4 Boom clearance : 10.14m
A Entrance width (tires) : 5.31m
A' Entrance width (carrier) : 6.22m
B Exit width (carrier) : 6.22m
C Exit width (boom) : 6.43m

BOOM LIFTING CAPACITIES

NOTES

OPERATION WITH OUTRIGGERS

1.Rated load do not exceed 75% of the tipping loads with machine set horizontally on a firm and level ground, satisfy the specified stability over the front, and include weight of hook block(s) and other handling accessories. Ratings shown in are based on the machine's structural strength, and others are determined by the machine's stability.

2.The working radius given in the charts allow for loaded boom deflection. Always operate the machine on the basis of actual operating radius.

3.Weight of hooks, hook blocks, slings and other lifting devices are a part of the total load. Their total weight must be subtracted load to obtain the weight that can be lifted.

Hooks	51-ton	25-ton	5-ton
Weight	430kg	300kg	90kg

4.Maximum outrigger extension is 7.4 m. Three intermediate extension positions are also provided at 6.8 m, 5.5 m and 4.1 m. Minimum outrigger extension is 2.55 m.

Outrigger extension	6.8m	5.5m	4.1m	Min. outrigger extension
α° (Front)	30°	24°	17°	7°
β° (Rear)	28°	23°	15°	6°

5.Rated load in the over-the-side whole around various depending on the extension position of outriggers. Therefore, crane operation must be performed based on the rating chart corresponding to each extended outrigger position.

6.To determine load ratings that fall between those shown in the charts, proceed as follows:
a) For boom lengths not listed use rating for next longer boom length or next shorter boom length, whichever is smaller.
b) For load radii not shown, use rating for next larger radius.

7.Ratings of the auxiliary sheave are the same as main boom ratings, but should not exceed 5,000 kg. Ratings of the auxiliary sheave are calculated by deducting 25-ton hook weight (300 kg) from main boom ratings.

8.Jib operation must be based on the main boom angle.

9.Ratings of the boom with extended jib are calculated by deducting 1,800 kg at 9.0 m jib or 2,100 kg at 15.0 m jib besides the weight of 25-ton hook block and the sling wire from the rated loads. At this time, do not use the auxiliary sheave.

10.In such a condition not shown in the rating chart, operation is impossible. Lowering the boom over critical degrees leads to overturn even with noload. Be careful extreamly.

11.Standard hoist reevings are shown below. Rated single-line pull must not exceed 5,000 kg.

Boom length	10.2m	17.4m	23.6m	24.6m	31.8m	39.0m
Hook	51-ton		25-ton			
No. of reeving	11	6	5	5	4	4

12.In order to prevent a load from falling down to mistake of operation, do not use free-fall in crane operation.

13.In lifting load operation in an oblique direction (direction toward the outrigger), sometimes the outrigger float in the diagonal side against the lifted load may be raised depending on a condition. This is caused by torsional rigidity and deflection of the carrier frame, and stability is not lost. The stabilitty of this machine in operation within the rating is secured in the condition that the machine is set horizontally on a level and firm ground.

OPERATION WITHOUT OUTRIGGERS (ON TIRES)

1.Rated load do not exceed 75% of the tipping loads with machine set horizontally on a firm and level ground, satisfy the specified stability over the front, and include weight of hook block(s) and other handling accessories. Ratings shown in are based on the machine's structural strength, and others are determined by the machine's stability. Tire specified air pressure is set to 800 kPa (8.00 kgf/cm2)

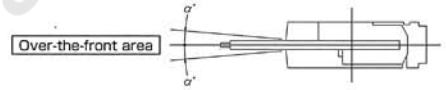
2.The working radius given in the charts allow for loaded boom deflection. Always operate the machine on the basis of actual operating radius.

3.Weight of hooks, hook blocks, slings and other lifting devices are a part of the total load. Their totol weight must be subtracted load to obtain the weight that can be lifted.

Hooks	51-ton	25-ton	5-ton
Weight	430kg	300kg	90kg

*Tire specified air pressure: 800 kPa (8.00 kgf/cm2)

4.Load ratings differ for over-the-front and over-the-side operation. Care must be taken to avoid overload when swinging a load from an over-the-front position to an over-the-side position.



On tires	Stationary	Pick & carry
α°(FRONT)	1°	1°

5.Ratings of the auxiliary sheave are the same as main boom ratings, but should not exceed 5,000 kg. Ratings of the auxiliary sheave are calculated by deducting 25-ton hook weight (300 kg) from main boom ratings.

6. Do not use jib operation and free fall.

7.Parking brake and auxiliary operation brake must be applied during stationary load lifting.

8.Pick and carry operations must be done in the low travel mode.

9.During pick and carry operations, keep the load close to the ground to avoid swaying, and travel no faster than 2.0 km/h. Avoid cornering, sudden starts (acceleration), and sudden braking. Boom must be centered over the front area.

10.Do not operate the crane functions while carrying the load.

11.Standard hoist reevings are shown below. Single-line load must not exceed 5,000 kg.

Boom length	10.2m	17.4m	23.6m	24.6m	31.8m	39.0m
Hook	51-ton		25-ton			
No. of reeving	11	6	5	5	4	4

BOOM LIFTING CAPACITIES

RK500-2

Main Boom Lifting Capacities with Outriggers

Unit: metric ton

Operating radius (m) \ Boom length (m)	With outriggers in 7.4m position(Whole around)						With outriggers in 6.8m position(Over side)					
	10.2	17.4	23.6	24.6	31.8	39.0	10.2	17.4	23.6	24.6	31.8	39.0
2.9	51.00						51.00					
3.0	50.00	28.00	22.00	20.00			50.00	28.00	22.00	20.00		
3.2	45.00	28.00	22.00	20.00	14.00		45.00	28.00	22.00	20.00	14.00	
3.5	41.00	28.00	22.00	20.00	14.00		41.00	28.00	22.00	20.00	14.00	
3.75	38.90	28.00	22.00	20.00	14.00		38.90	28.00	22.00	20.00	14.00	
4.0	37.00	28.00	22.00	20.00	14.00		37.00	28.00	22.00	20.00	14.00	
4.5	33.50	28.00	22.00	20.00	14.00	7.60	33.50	28.00	22.00	20.00	14.00	7.60
5.0	30.20	28.00	22.00	20.00	14.00	7.60	30.20	28.00	22.00	20.00	14.00	7.60
5.5	27.50	26.10	22.00	20.00	14.00	7.60	27.50	26.10	22.00	20.00	14.00	7.60
6.0	25.00	24.40	20.50	20.00	14.00	7.60	25.00	24.40	20.50	20.00	14.00	7.60
6.5	22.70	22.40	19.20	18.80	14.00	7.60	22.70	22.40	19.20	18.80	14.00	7.60
7.0	20.70	20.60	18.10	17.70	13.60	7.60	20.70	20.60	18.10	17.70	13.60	7.60
7.2	11.50	20.00	17.70	17.30	13.45	7.60	11.50	20.00	17.70	17.30	13.45	7.60
7.5		18.90	17.00	16.60	13.10	7.60		18.90	17.00	16.60	13.10	7.60
8.0		17.50	16.10	15.70	12.60	7.60		17.50	16.10	15.70	12.60	7.60
8.5		16.20	15.20	14.80	12.05	7.60		16.20	15.20	14.80	12.05	7.60
9.0		15.00	14.40	14.00	11.50	7.60		14.50	14.40	14.00	11.50	7.60
9.5		14.00	13.50	13.20	11.00	7.60		13.00	12.90	12.80	11.00	7.60
10.0		13.10	12.70	12.40	10.50	7.60		11.70	11.65	11.60	10.50	7.60
11.0		11.10	11.10	11.00	9.60	7.10		9.70	9.60	9.50	9.60	7.10
12.0		9.35	9.30	9.25	8.80	6.60		8.10	8.05	8.00	8.80	6.60
13.0		7.90	7.80	7.75	8.10	6.15		6.90	6.80	6.75	7.60	6.15
14.0		6.80	6.70	6.65	7.50	5.75		5.90	5.80	5.75	6.60	5.75
14.4		4.00	6.30	6.25	7.10	5.60		4.00	5.50	5.40	6.25	5.60
15.0			5.75	5.70	6.55	5.35			4.95	4.90	5.70	5.35
16.0			5.00	4.95	5.75	5.00			4.25	4.20	5.00	5.00
17.0			4.35	4.30	5.05	4.70			3.65	3.65	4.40	4.70
18.0			3.80	3.75	4.45	4.40			3.10	3.00	3.90	4.30
19.0			3.25	3.20	3.90	4.20			2.60	2.50	3.40	3.85
20.0			2.75	2.70	3.45	4.00			2.10	2.05	3.00	3.45
20.6			2.50	2.45	3.20	3.80			1.90	1.80	2.75	3.25
21.0				2.30	3.05	3.60				1.65	2.60	3.10
21.6				2.10	2.90	3.40				1.50	2.35	2.90
22.0					2.75	3.25					2.15	2.75
23.0					2.40	2.90					1.85	2.40
24.0					2.05	2.60					1.55	2.05
25.0					1.75	2.30					1.30	1.75
26.0					1.50	2.05					1.05	1.50
27.0					1.25	1.80					0.85	1.30
28.0					1.05	1.55					0.65	1.10
28.8					0.90	1.40						0.95
29.0						1.35						0.90
30.0						1.15						0.70
31.0						1.00						0.55
32.0						0.85						
33.0						0.70						
34.0						0.55						
Min. boom angle	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	14°	31°

Operating radius (m) \ Boom length (m)	With outriggers in 5.5m position(Over sid)						With outriggers in 4.1m position(Over side)					
	10.2	17.4	23.6	24.6	31.8	39.0	10.2	17.4	23.6	24.6	31.8	39.0
2.9	45.00						40.00					
3.0	45.00	28.00	22.00	20.00			40.00	28.00	22.00	20.00		
3.2	43.30	28.00	22.00	20.00	14.00		37.30	28.00	22.00	20.00	14.00	
3.5	41.00	28.00	22.00	20.00	14.00		33.20	28.00	22.00	20.00	14.00	
3.75	38.90	28.00	22.00	20.00	14.00		30.00	28.00	22.00	20.00	14.00	
4.0	37.00	28.00	22.00	20.00	14.00		27.00	28.00	22.00	20.00	14.00	
4.5	33.50	28.00	22.00	20.00	14.00	7.60	22.00	23.00	22.00	20.00	14.00	7.60
5.0	30.20	28.00	22.00	20.00	14.00	7.60	18.50	18.50	18.00	17.00	14.00	7.60
5.5	25.00	26.10	22.00	20.00	14.00	7.60	15.70	15.30	14.80	14.90	14.00	7.60
6.0	21.15	22.30	20.50	20.00	14.00	7.60	13.30	13.00	12.45	12.80	12.70	7.60
6.5	17.90	18.80	18.75	18.70	14.00	7.60	11.40	11.10	10.65	11.00	11.50	7.60
7.0	15.45	16.15	16.10	16.00	13.60	7.60	9.90	9.60	9.20	9.50	10.40	7.60
7.2	11.50	15.45	15.40	15.30	13.45	7.60	9.40	9.10	8.80	9.00	9.90	7.60
7.5		14.10	14.00	13.95	13.10	7.60		8.40	8.05	8.30	9.20	7.60
8.0		12.40	12.35	12.25	12.60	7.60		7.40	7.10	7.30	8.20	7.60
8.5		11.00	10.95	10.85	11.85	7.60		6.55	6.25	6.45	7.30	7.60
9.0		9.80	9.75	9.70	10.65	7.60		5.80	5.55	5.70	6.65	7.00
9.5		8.80	8.75	8.70	9.60	7.60		5.20	4.95	5.10	5.90	6.35
10.0		7.95	7.90	7.85	8.70	7.60		4.65	4.40	4.55	5.35	5.80
11.0		6.55	6.45	6.40	7.25	7.10		3.70	3.50	3.60	4.40	4.80
12.0		5.45	5.35	5.30	6.15	6.60		2.95	2.80	2.85	3.60	4.05
13.0		4.55	4.50	4.45	5.20	5.65		2.30	2.20	2.15	3.00	3.40
14.0		3.85	3.75	3.70	4.45	4.90		1.70	1.60	1.55	2.45	2.90
14.4		3.65	3.50	3.50	4.25	4.65		1.50	1.40	1.30	2.25	2.70
15.0			3.10	3.05	3.85	4.25			1.10	1.00	1.95	2.45
16.0			2.45	2.45	3.30	3.75					1.50	2.00
17.0			1.95	1.90	2.85	3.25					1.10	1.60
18.0			1.45	1.45	2.35	2.85					0.75	1.25
19.0			1.10	1.05	1.95	2.45						0.95
20.0			0.75	0.70	1.60	2.10						0.70
20.6			0.60	0.55	1.40	1.90						
21.0					1.25	1.75						
21.6					1.10	1.60						
22.0					0.95	1.45						
23.0					0.70	1.20						
24.0						0.95						
25.0						0.75						
26.0						0.55						
Min. boom angle	0°	0°	0°	19°	37°	43°	0°	0°	43°	45°	50°	55°

Unit: metric ton

Operating radius (m) \ Boom length (m)	With outriggers in 3.5m position(Over side)				With outriggers in 2.55m position(Over side)			
	10.2	17.4	23.6	24.6	10.2	17.4	23.6	24.6
2.9	25.00				16.00			
3.0	25.00	19.00	17.10	17.00	16.00	12.00	11.10	11.00
3.2	25.00	19.00	17.10	17.00	16.00	12.00	11.10	11.00
3.5	25.00	19.00	17.10	17.00	16.00	12.00	11.10	11.00
3.75	24.40	19.00	17.10	17.00	15.40	12.00	11.10	11.00
4.0	22.35	19.00	17.10	17.00	14.00	12.00	11.10	11.00
4.5	17.60	17.40	16.10	16.00	11.30	10.90	10.90	10.80
5.0	14.35	14.20	14.05	14.00	9.30	9.05	9.00	8.90
5.5	12.00	11.85	11.65	11.60	7.80	7.55	7.55	7.45
6.0	10.15	10.00	9.85	9.80	6.60	6.40	6.35	6.25
6.5	8.70	8.50	8.40	8.35	5.65	5.45	5.40	5.30
7.0	7.55	7.35	7.25	7.20	4.85	4.65	4.65	4.55
7.2	7.25	7.05	6.90	6.85	4.55	4.40	4.35	4.25
7.5		6.45	6.30	6.25		4.00	4.00	3.90
8.0		5.60	5.50	5.45		3.45	3.40	3.30
8.5		4.90	4.80	4.75		2.95	2.90	2.80
9.0		4.30	4.20	4.15		2.50	2.45	2.35
9.5		3.75	3.70	3.65		2.05	2.00	1.90
10.0		3.30	3.25	3.20		1.65	1.60	1.50
11.0		2.60	2.55	2.50		0.95	0.90	0.80
12.0		1.90	1.85	1.80				
13.0		1.30	1.25	1.20				
14.0		0.80	0.70	0.65				
Min. boom angle	0°	15°	46°	49°	0°	40°	56°	58°

BOOM LIFTING CAPACITIES

Main Boom Lifting Capacities without Outriggers

Operating radius (m) \ Boom length (m)	Stationary						Pick & Carry (under 2 km/h)						Boom length (m) \ Operating (m) radius
	360° swing area			Over the front			360° swing area			Over the front			
	10.2	17.4	24.6	10.2	17.4	24.6	10.2	17.4	24.6	10.2	17.4	24.6	
3.0	12.00	10.00	5.50	20.00	15.00	10.50	8.00	6.50	4.50	14.50	10.50	8.00	3.0
3.5	9.10	8.50	5.50	20.00	15.00	10.50	8.00	6.50	4.50	14.50	10.50	8.00	3.5
3.75	8.05	7.50	5.50	20.00	15.00	10.50	8.00	6.50	4.50	14.50	10.50	8.00	3.75
4.0	7.20	6.65	5.50	20.00	15.00	10.50	7.20	6.50	4.50	14.50	10.50	8.00	4.0
4.5	5.70	5.25	5.00	17.40	15.00	10.50	5.70	5.30	4.50	12.50	10.50	8.00	4.5
5.0	4.50	4.15	4.00	15.50	15.00	10.50	4.50	4.20	4.20	11.00	10.50	8.00	5.0
5.5	3.60	3.25	3.15	14.00	13.70	10.50	3.60	3.30	3.25	10.00	10.50	8.00	5.5
6.0	2.80	2.55	2.45	12.80	12.40	10.50	2.80	2.60	2.45	9.10	9.50	8.00	6.0
6.5	2.20	1.95	1.85	11.70	11.30	9.50	2.20	2.00	1.90	8.40	8.60	8.00	6.5
7.0	1.70	1.45	1.35	10.70	10.30	8.70	1.70	1.50	1.40	7.80	7.80	7.25	7.0
7.2	1.50	1.25	1.15	10.20	9.90	8.35	1.50	1.30	1.20	7.50	7.50	7.00	7.2
7.5		1.05	0.95		9.40	7.90		1.10	1.00		7.10	6.65	7.5
8.0		0.70	0.65		8.60	7.30		0.75	0.65		6.50	6.05	8.0
8.5					7.70	6.80					5.85	5.50	8.5
9.0					6.80	6.30					5.30	5.00	9.0
9.5					6.05	5.75					4.80	4.55	9.5
10.0					5.40	5.25					4.30	4.10	10.0
11.0					4.35	4.20					3.60	3.35	11.0
12.0					3.50	3.35					3.00	2.75	12.0
13.0					2.80	2.65					2.45	2.25	13.0
14.0					2.20	2.10					2.00	1.80	14.0
14.4					2.00	1.90					1.80	1.65	14.4
15.0						1.60						1.40	15.0
16.0						1.20						1.05	16.0
17.0						0.85						0.75	17.0
Min. boom angle	0°	54°	66°	0°	0°	38°	0°	54°	66°	0°	0°	38°	Min. boom angle

JIB LIFTING CAPACITIES

RK500-2

Jib Lifting Capacities with Outriggers

Unit: metric ton

With outriggers in 7.4m position (Whole around)

9.0 m Jib									15.0 m Jib						
Jib angle / Boom angle	Jib angle:5°				Jib angle:17°		Jib angle:30°		Jib angle / Boom angle	Jib angle:5°		Jib angle:17°		Jib angle:30°	
	Boom:36m		Boom:36m to 39m												
	Operating radius (m)	Jib lifting capacities	Operating radius (m)	Jib lifting capacities	Operating radius (m)	Jib lifting capacities	Operating radius (m)	Jib lifting capacities		Operating radius (m)	Jib lifting capacities	Operating radius (m)	Jib lifting capacities	Operating radius (m)	Jib lifting capacities
83.0°	5.3	3.50	6.0	3.50	7.6	2.80	9.4	2.20	83.0°	7.3	2.40	10.6	1.75	13.6	1.25
75.0°	11.8	3.50	12.8	3.50	14.5	2.80	16.0	2.20	78.0°	12.4	2.40	15.2	1.75	17.9	1.25
72.0°	14.2	3.50	15.2	3.22	16.8	2.55	18.2	2.03	75.0°	15.3	2.30	18.0	1.65	20.5	1.20
70.0°	15.7	3.42	16.7	2.95	18.3	2.34	19.7	1.92	72.0°	17.9	2.08	20.6	1.55	22.9	1.15
66.0°	18.5	2.88	19.7	2.45	21.2	2.02	22.5	1.72	70.0°	19.6	1.93	22.2	1.47	24.5	1.12
60.0°	22.5	2.33	24.0	1.92	25.4	1.70	26.5	1.49	66.0°	23.0	1.69	25.4	1.29	27.6	1.02
57.0°	24.4	2.11	26.1	1.70	27.3	1.54	28.3	1.38	60.0°	27.8	1.40	30.0	1.10	31.9	0.89
56.0°	25.0	2.01	26.7	1.62	28.0	1.48	28.9	1.33	56.0°	30.8	1.25	32.9	1.01	34.5	0.83
55.0°	25.6	1.85	27.4	1.50	28.6	1.40	29.5	1.26	55.0°	31.6	1.16	33.6	0.99	35.1	0.81
54.0°	26.2	1.70	28.0	1.36	29.2	1.27	30.1	1.17	54.0°	32.3	1.06	34.3	0.97	35.8	0.79
50.0°	28.6	1.18	30.5	0.88	31.6	0.82	32.4	0.79	53.0°	33.0	0.98	34.9	0.88	36.4	0.78
47.0°	30.2	0.87	32.3	0.60	33.3	0.55	34.0	0.53	50.0°	35.1	0.70	36.9	0.63	38.2	0.56
45.0°	31.3	0.69	33.4	0.43	34.3	0.39	35.0	0.38	47.0°	37.0	0.45	38.7	0.41	39.8	0.36
44.0°	31.8	0.60	33.9	0.35					46.0°	37.6	0.38				
Min. boom angle	44°		44°		45°		45°		Min. boom angle	46°		47°		47°	

With outriggers in 6.8m position (Over the side)

9.0 m Jib									15.0 m Jib						
Jib angle / Boom angle	Jib angle:5°				Jib angle:17°		Jib angle:30°		Jib angle / Boom angle	Jib angle:5°		Jib angle:17°		Jib angle:30°	
	Boom:36m		Boom:36m to 39m												
	Operating radius (m)	Jib lifting capacities	Operating radius (m)	Jib lifting capacities	Operating radius (m)	Jib lifting capacities	Operating radius (m)	Jib lifting capacities		Operating radius (m)	Jib lifting capacities	Operating radius (m)	Jib lifting capacities	Operating radius (m)	Jib lifting capacities
83.0°	5.3	3.50	6.0	3.50	7.6	2.80	9.4	2.20	83.0°	7.3	2.40	10.6	1.75	13.6	1.25
78.0°	9.5	3.50	10.5	3.50	12.0	2.80	13.6	2.20	78.0°	12.4	2.40	15.2	1.75	17.9	1.25
75.0°	11.8	3.50	12.8	3.50	14.5	2.80	16.0	2.20	75.0°	15.3	2.30	18.0	1.65	20.5	1.20
72.0°	14.2	3.50	15.2	3.22	16.8	2.55	18.2	2.03	72.0°	17.9	2.08	20.6	1.55	22.9	1.15
70.0°	15.7	3.42	16.7	2.95	18.3	2.34	19.7	1.92	70.0°	19.6	1.93	22.2	1.47	24.5	1.12
66.0°	18.5	2.88	19.7	2.45	21.2	2.02	22.5	1.72	66.0°	23.0	1.69	25.4	1.29	27.6	1.02
62.0°	21.2	2.50	22.6	2.05	24.0	1.80	25.2	1.56	62.0°	26.2	1.49	28.5	1.16	30.5	0.93
60.0°	22.5	2.26	24.0	1.85	25.4	1.70	26.5	1.49	58.0°	29.3	1.24	31.5	1.05	33.2	0.86
58.0°	23.8	1.88	25.4	1.63	26.7	1.50	27.7	1.36	57.0°	30.1	1.16	32.2	1.03	33.9	0.84
55.0°	25.6	1.41	27.4	1.19	28.6	1.12	29.5	1.04	56.0°	30.8	1.04	32.9	0.95	34.5	0.83
52.0°	27.4	1.02	29.3	0.82	30.4	0.77	31.3	0.72	53.0°	33.0	0.71	34.9	0.64	36.4	0.58
48.0°	29.7	0.61	31.7	0.40	32.7	0.35	33.4	0.34	50.0°	35.1	0.44	36.9	0.38	38.2	0.35
47.0°	30.2	0.52	32.3	0.30					48.0°	36.4	0.28				
44.0°	31.8	0.28													
Min. boom angle	44°		47°		48°		48°		Min. boom angle	48°		50°		50°	

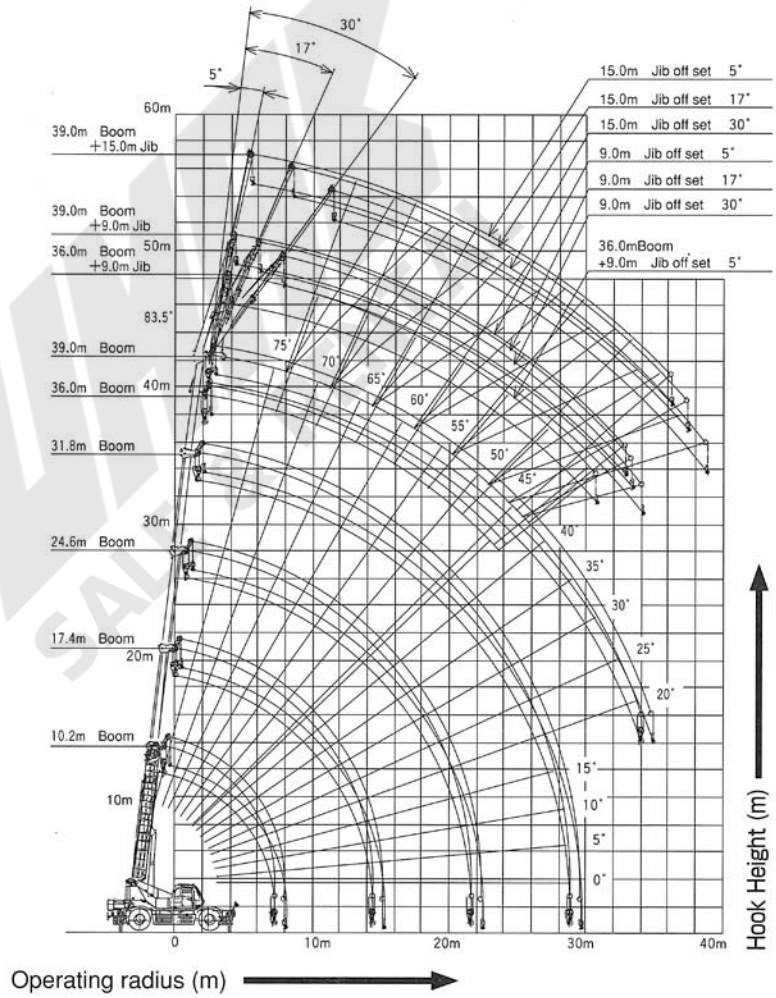
With outriggers in 5.5m position (Over the side)

9.0 m Jib									15.0 m Jib						
Jib angle / Boom angle	Jib angle:5°				Jib angle:17°		Jib angle:30°		Jib angle / Boom angle	Jib angle:5°		Jib angle:17°		Jib angle:30°	
	Boom:36m		Boom:36m to 39m												
	Operating radius (m)	Jib lifting capacities	Operating radius (m)	Jib lifting capacities	Operating radius (m)	Jib lifting capacities	Operating radius (m)	Jib lifting capacities		Operating radius (m)	Jib lifting capacities	Operating radius (m)	Jib lifting capacities	Operating radius (m)	Jib lifting capacities
83.0°	5.3	3.50	6.0	3.50	7.6	2.80	9.4	2.20	83.0°	7.3	2.40	10.6	1.75	13.6	1.25
78.0°	9.5	3.50	10.5	3.50	12.0	2.80	13.6	2.20	78.0°	12.4	2.40	15.2	1.75	17.9	1.25
75.0°	11.8	3.50	12.8	3.50	14.5	2.80	16.0	2.20	75.0°	15.3	2.30	18.0	1.65	20.5	1.20
70.0°	15.7	3.42	16.7	2.95	18.3	2.34	19.7	1.92	70.0°	19.6	1.93	22.2	1.47	24.5	1.12
68.0°	17.1	2.86	18.3	2.52	19.8	2.16	21.1	1.81	68.0°	21.3	1.81	23.8	1.38	26.1	1.07
66.0°	18.5	2.28	19.7	2.03	21.2	1.80	22.5	1.72	66.0°	23.0	1.69	25.4	1.29	27.6	1.02
64.0°	19.8	1.81	21.2	1.60	22.6	1.48	23.8	1.40	65.0°	23.8	1.46	26.2	1.21	28.3	0.99
60.0°	22.5	1.06	24.0	0.91	25.4	0.85	26.5	0.77	64.0°	24.6	1.31	27.0	1.13	29.0	0.97
57.0°	24.3	0.63	26.1	0.50	27.3	0.44	28.3	0.39	62.0°	26.2	0.98	28.5	0.83	30.5	0.74
56.0°	24.9	0.51	26.6	0.40	28.0	0.31			58.0°	29.3	0.47	31.5	0.38	33.2	0.33
54.0°	26.0	0.28							57.0°	30.1	0.36				
Min. boom angle	54°		56°		56°		57°		Min. boom angle	57°		58°		58°	

With outriggers in 4.1m position (Over the side)

9.0 m Jib									15.0 m Jib							
Jib angle / Boom angle	Jib angle:5°				Jib angle:17°		Jib angle:30°		Jib angle / Boom angle	Jib angle:5°		Jib angle:17°		Jib angle:30°	
	Boom:36m		Boom:36m to 39m												
	Operating radius (m)	Jib lifting capacities	Operating radius (m)	Jib lifting capacities	Operating radius (m)	Jib lifting capacities	Operating radius (m)	Jib lifting capacities		Operating radius (m)	Jib lifting capacities	Operating radius (m)	Jib lifting capacities	Operating radius (m)	Jib lifting capacities
83.0°	5.3	3.50	6.0	3.50	7.6	2.80	9.4	2.20	83.0°	7.3	2.40	10.6	1.75	13.6	1.25
78.0°	9.5	3.50	10.5	3.50	12.0	2.80	13.6	2.20	78.0°	12.4	2.40	15.2	1.75	17.9	1.25
75.0°	11.8	3.50	12.8	3.50	14.5	2.80	16.0	2.20	75.0°	15.3	2.30	18.0	1.65	20.5	1.20
74.0°	12.6	3.38	13.6	3.05	15.3	2.59	16.7	2.11	73.0°	17.1	2.15	19.7	1.59	22.1	1.16
72.0°	14.1	2.56	15.2	2.25	16.8	1.92	18.2	1.68	72.0°	17.9	1.83	20.6	1.41	22.9	1.15
70.0°	15.6	1.91	16.7	1.65	18.3	1.41	19.6	1.22	71.0°	18.8	1.57	21.4	1.26	23.7	1.02
68.0°	17.0	1.38	18.3	1.15	19.8	0.98	20.9	0.84	69.0°	20.3	1.11	23.0	0.88	25.3	0.73
66.0°	18.3	0.95	19.5	0.73	21.2	0.61	22.2	0.51	66.0°	22.8	0.57	25.3	0.43	27.4	0.30
65.0°	19.0	0.75	20.2	0.55											
62.0°	20.9	0.28													
Min. boom angle	62°		65°		66°		66°		Min. boom angle	66°		66°		66°	

WORKING RANGES



*Boom/jib bending with load is not involved in figure of working ranges.

STANDARD EQUIPMENT

Standard jib
Aux. sheave
51t hook
5.0t ball hook
Wire rope loose prevention device(aux. hoist)
Oil cooler
Accelerator control dial
Multi display
Backward check camera
Monitoring camera for drum
One way call
130f51 battery
Standard tool
Tool box
Air conditioner
Engine tachometer
Tachograph
Hourmeter
Engine over running alarm
Paper-element air cleaner
Three working lights
Horn
Towing hooks (one front, two rear)
Cab heater/defroster
Operation Manual: one set

OTHER AMENITIES

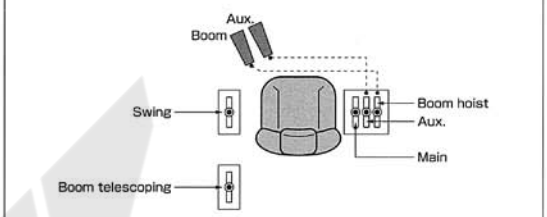
Radio
Cigarette lighter
Ashtray
Sun visor
Floor mat
Windshield wiper/washer

OPTIONAL EQUIPMENT

Extra hydraulic oil cooler for hydraulic system
Spare tire

LEVER & PEDALS

Standard (ISO)



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