

# KOBELCO

## NEW RK SERIES ROUGH TERRAIN CRANE RK250-6

Max. Lifting Capacity: **25.0 metric ton at 3.5 m**

Max. boom Length: **30.6 m**

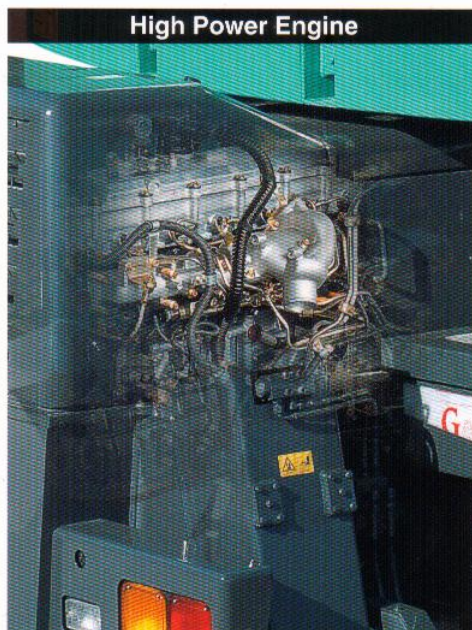


## STABLE LIFTING WITH EXCELLENT MANEUVERABILITY

**The new rough terrain crane** from KOBELCO is turning heads, and for much more than the up-to-date soft stylish and attractive colours. The machine incorporates the very latest technology, which means the use of sophisticated computer systems to improve performance, enhance on site safety and simplify the operator's job. This versatile crane is designed as much for use on city site as for "rough terrain".

### High Power Engine Mounted: 272 HP

New type engine with common-rail-type electronic governor control unit mounted. High output has also made max. torque to increase by approx. 10% (Compared with the former models). With much improved gradeability, powerful driving is ensured on mountain paths and steep slopes. Powerful starting torque and acceleration enables comfortable driving on congested city streets where frequent start and stop operation is required.



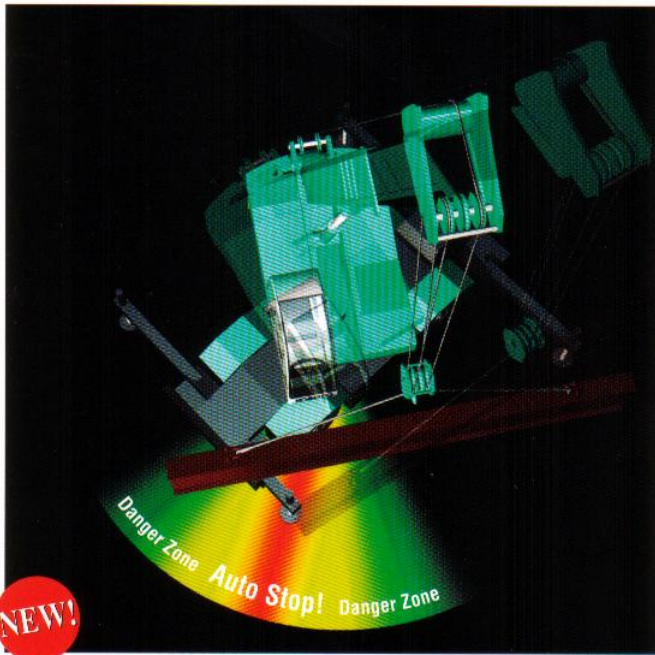
High Power Engine

### PERFORMANCE

**Max. Lifting Capacity:**  
25.0 metric tons at 3.5 m  
**Max. Boom Length:**  
30.6 m  
**Boom raising speed:**  
48.7 sec/0° to 82.3°  
**Boom telescoping speed:**  
90.0 sec/21.3 m  
**Main hoist line speed:**  
125 m/min at 4th layer  
**Aux. hoist line speed:**  
108 m/min at 2nd layer  
**Engine:**  
200 kW/2,700 min<sup>-1</sup>  
**Swing speed:**  
2.81 min<sup>-1</sup>  
**Max. travel speed:**  
49 km/h  
**Gradeability:**  
tan θ 0.57 (30°)



# SAFETY SYSTEMS WITH ADVANCED CONTROLLING TECHNOLOGY



## Automatic Swing Stop

KOBELCO's unique overload prevention system, Automatic Swing Stop, has now incorporated a new function. As ever, when operating the crane with unequal outrigger extension, ITCS analyzes the danger zone of the crane tipping over and automatically stops the swing smoothly and gently, well before the limits of safe operation are exceeded. The new Automatic Swing Stop allows the operator a limited swing lever control in the danger zone. This new function enables the operator to make full use of his own judgments and skills.

## Programmable Operating Zone System

This system automatically controls the operating zone by pre-setting the swing angles, operational limits on boom and jib (when equipped with Sky Tilting). This enables safe and efficient operation of repeated actions under

potential hazards such as overhead electricity cables and structural girders and narrow spaces.

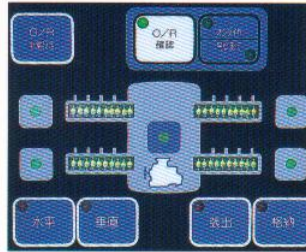


*This illustration shows the limits and controls on boom height and operating radius. Limits and controls on swing angles are also possible.*

## Outrigger Extension Width Automatic Detecting Device

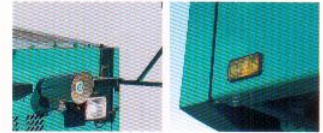
ITCS automatically senses the outrigger extension widths. This information is indicated on the display monitor panel and automatically inputs the data in overload prevention unit. This system prevents human errors on outrigger

extension such as no extension, misidentify the extension widths, and mistakes in changing the extension settings.



## Alarming and Warning Devices

- One Way Call
- Inside-cab Voice Alarming System
- Swing Flashers



One Way Call

Swing Flasher

## LCD Multi Display Monitor

Equipped with LCD Monitor of High Visibility. Separately from the overload prevention system, this Multi Display Monitor indicates the crane operating information and etc., so that simultaneous safety confirmation is possible inside the cab. The operator can check 8 different crane functions on the monitor screen.

### Display Modes

- Rated load charts
- Lifting capacity graphs
- Compass rating
- Programmable operating zone
- Navigation system
- Maintenance information
- Monitoring Camera of backward safety
- Monitoring Camera of the drum condition



Rated load charts

Compass rating

Monitoring camera of the drum condition

For safety driving round tight corners on narrow streets

## Safety Traveling Device

- Boom side mirror to check right-side safety
- Remote controlled mirror (Optional)
- Parking brake with quick release valves of higher reliability



Boom side mirror

Remote controlled mirror

**Note:** Due to our policy of continual product improvements all designs and specifications are subject to change without advance notice.

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Bulletin No. RK250-6-catalog-101

**AUSTRALIAN CRANE**  
8 MACHINERY

ABN: 71 111 382 784

TADANO  
XCMG KOBELCO

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Campbellfield Vic 3061 Australia  
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NEW RK SERIES

**RK250-6**



**Rough Terrain Crane**

**Max. Lifting Capacity: 25 ton x 3.5 m**

**UPPER STRUCTURE**

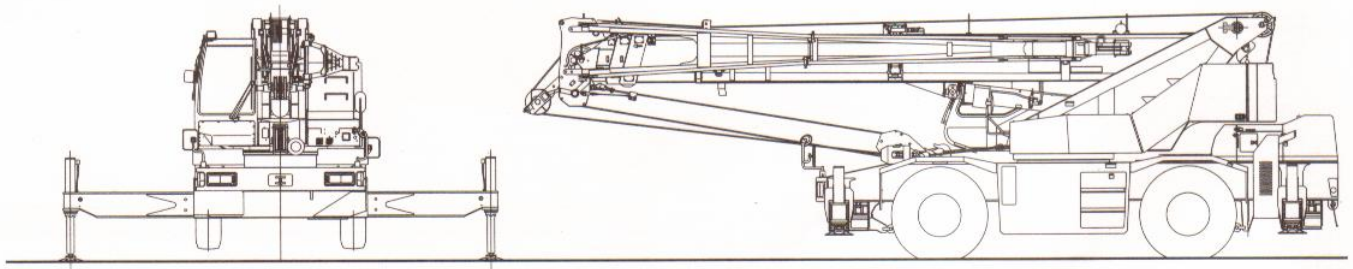
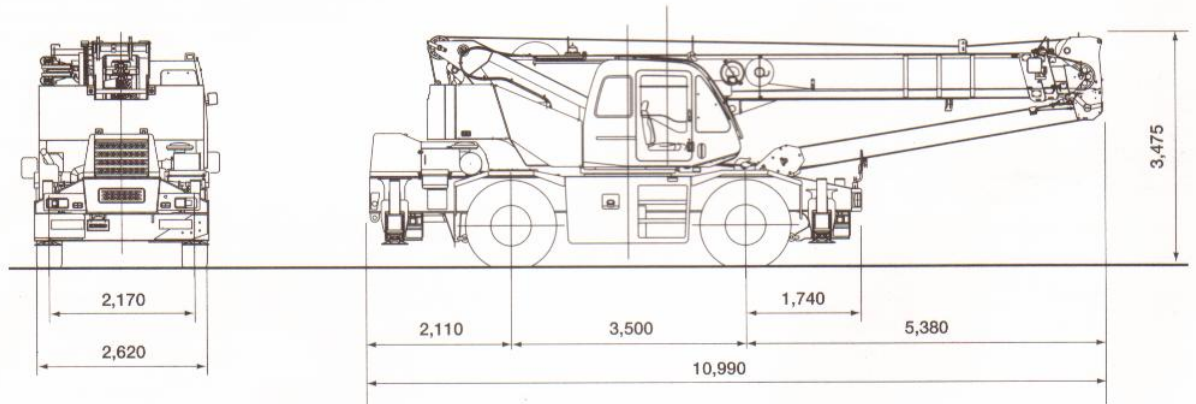
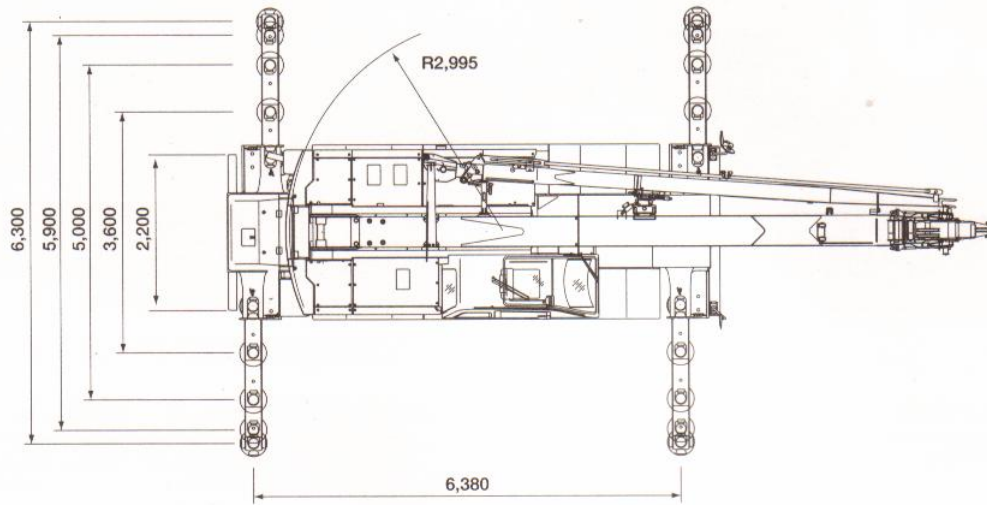
Crane Performance		
Max. rated load	9.32 m boom	25,000kg×3.5m (7-line)
	16.42 m boom	19,000kg×4.0m (6-line)
	23.52 m boom	12,500kg×5.0m (4-line)
	30.62 m boom	7,000kg×8.0m (4-line)
	7.5 m jib (max.)	3,000kg (single-line)
	12.0 m jib (max.)	2,000kg (single-line)
	Aux.sheave (max.)	4,000kg (single-line)
Main boom length	9.32m to 30.62m	
Jib length	7.5m/12.0m	
Hook height	31.9m(main hook), 43.6m(jib hook)	
Operating radius	28.2m(boom), 35.5m(jib)	
Line speed	Main : 125 m/min (at 4th layer)	
	Aux : 108 m/min (at 2nd layer)	
Boom telescoping speed	90.0 sec/21.3m	
Boom raising speed	48.7 sec/0° to 82.3°	
Swing speed	2.81min <sup>-1</sup> (2.81rpm)	
Boom Structure		
Main boom	Four section, box construction, 2nd section independently telescoping, and 3rd and 4th sections simultaneously telescoping	
Jib	Compressed truss, box construction, 2-step drawing up type, Power set jib, 3-step variable tilt type, offset angle 5°, 25° and 45°	
Boom hoist device	Direct forced type by double acting hydraulic cylinder	
Load hoist device	Hydraulic motor drive with spur gear reduction with auto-brake, 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	6.3m, 5.9m, 5.0m, 3.6m and 2.2m
Wire rope		
Main winch wire rope	16mm dia. x 170m IWRC 6 x Fi (29)	
Aux. winch wire rope	16mm dia. x 92m IWRC 6 x Ws (26)	
Hydraulic system		
Hydraulic pump	2 variable plunger pumps + 3 gear pumps	
Hydraulic oil tank	380 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-stoo), Base machine inclination meter, 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, Monitoring camera for drum		

**CARRIER**

Carrier performance		
Max. travel speed		49km/h
Gradeability		tanθ 0.57 (30°)
Min. turning radius		8.4 m - 2WS
		5.0 m - 4WS
Engine	Model	mitsubishi 6M60-TLE2A
	Type	Water cooled, 4 cycle, 6 cys, direct injection diesel with intercooler turbocharger
Total displacement		7.545L
Max. output		200kW/2,700min <sup>-1</sup> (272PS/2,700rpm)
Max. torque		785N·m/1,400min <sup>-1</sup> (80kgf·m/1,400rpm)
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
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), crab (4W), crab (4W) and rear (rear 2W)
Brake	Main service	Hydraulic disc brake with air booster, on all wheels
	Auxiliary	Torque converter lock-up linked electronic exhaust brake, with ADS system
	Parking	Propel shaft brake internal expansion type with auxiliary brake for crane operation
Fuel tank capacity		300 liters
Tires (front and rear)		385/95 R25 170E 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		10,990mm
Overall width		2,620mm
Overall height		3,475mm
Wheel base		3,500mm
Tred		2,170mm
Front over hang		5,380mm
Rear over hang		2,110mm
Total weight		
Total load		26,495mm
Front axle load		13,250mm
Rear axle load		13,245mm
Passenger		
		1 person

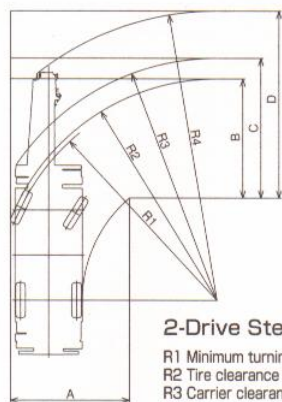
**KOBELCO**

Dimensions



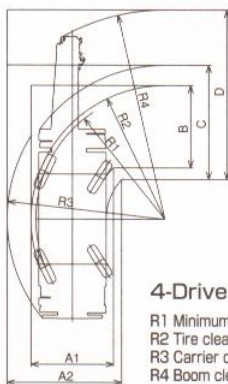


**TURNING RADIUS**



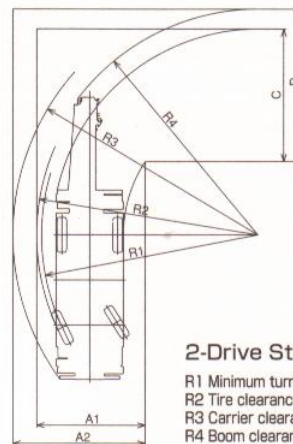
**2-Drive Steering (Front)**

- R1 Minimum turning radius: 8.40 m
- R2 Tire clearance with cab: 8.58 m
- R3 Carrier clearance: 9.39 m
- R4 Boom clearance: 11.22 m
- A Entrance width (carrier): 4.61 m
- B Exit width (carrier): 4.61 m
- C Exit width (tires): 5.42 m
- D Exit width (boom): 7.25 m



**4-Drive Steering**

- R1 Minimum turning radius: 5.00 m
- R2 Tire clearance with cab: 5.18 m
- R3 Carrier clearance: 6.11 m
- R4 Boom clearance: 8.11 m
- A1 Entrance width (tires): 3.19 m
- A2 Entrance width (carrier): 4.43 m
- B Exit width (tires/carrier): 3.19 m
- C Exit width (carrier): 4.43 m
- D Exit width (boom): 6.57 m



**2-Drive Steering (Rear)**

- R1 Minimum turning radius: 8.40 m
- R2 Tire clearance with cab: 8.58 m
- R3 Carrier clearance: 9.51 m
- R4 Boom clearance: 8.75 m
- A1 Entrance width (tires): 4.21 m
- A2 Entrance width (carrier): 5.13 m
- C Exit width (carrier) 5.13 m
- D Exit width (boom) 5.90 m

**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	25-ton	4.0-ton
Weight	200kg	70kg

4. Maximum outrigger extension is 6.3 m. Three intermediate extension positions are also provided at 5.9 m, 5.0 m and 3.6 m. Minimum outrigger extension is 2.2 m.

Outrigger extension	5.9m	5.0m	3.6m	Min. outrigger extension
$\alpha^\circ$ (Front)	33°	28°	19°	9°
$\beta^\circ$ (Rear)	30°	25°	17°	7°

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 4,000 kg. Ratings of the auxiliary sheave are calculated by deducting 25-ton hook weight (200 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 1,550 kg at 7.5 m jib or 1,750 kg at 12.0 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 no load. Be careful extremely.

11. Standard hoist reevings are shown below. Rated single-line pull must not exceed 4,000 kg.

Boom length	9.32m	16.42m	23.52m	30.62m	Jib aux. sheave
Hook	25-ton				4.0-ton
No. of reeving	7	6	4	4	1

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 stability 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 900 kPa (9.00 kgf/cm<sup>2</sup>)

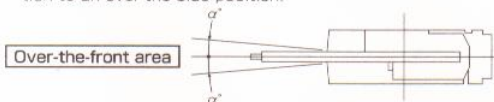
2. The working radius given in the charts allow for loaded boom deflection. Always operate the machine on the basis of actual operating radius.

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	25-ton	4.0-ton
Weight	200kg	70kg

\*Tire specified air pressure: 900 kPa (9.00 kgf/cm<sup>2</sup>)

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
$\alpha^\circ$ (FRONT)	1°	1°

5. Ratings of the auxiliary sheave are the same as main boom ratings, but should not exceed 4,000 kg. Ratings of the auxiliary sheave are calculated by deducting 25-ton hook weight (200 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 4,000 kg.

Boom length	9.32m	16.42m	23.52m	Jib aux. sheave
Hook	25-ton			4.0-ton
No. of reeving	7	4	4	1



# BOOM LIFTING CAPACITIES

**RK250-6**

Main Boom Lifting Capacities with Outriggers

Unit: metric ton

		With outriggers in 6.3m position				With outriggers in 5.9m position				With outriggers in 5.0m position			
		360° swing area				Over the side				Over the side			
Operating radius (m)	Boom length (m)	9.32	16.42	23.52	30.62	9.32	16.42	23.52	30.62	9.32	16.42	23.52	30.62
		2.5		25.00	19.00			25.00	19.00			25.00	19.00
3.0		25.00	19.00			25.00	19.00			25.00	19.00		
3.5		25.00	19.00	12.50		25.00	19.00	12.50		25.00	19.00	12.50	
4.0		23.00	19.00	12.50		23.00	19.00	12.50		23.00	19.00	12.50	
4.5		21.20	18.00	12.50		21.20	18.00	12.50		21.20	18.00	12.50	
5.0		19.40	16.70	12.50	7.00	19.40	16.70	12.50	7.00	18.40	16.70	12.50	7.00
5.5		17.80	15.60	11.85	7.00	17.80	15.60	11.85	7.00	15.40	15.00	11.85	7.00
6.0		16.30	14.60	11.20	7.00	16.30	14.60	11.20	7.00	13.00	12.60	11.20	7.00
6.5		15.10	13.80	10.60	7.00	15.10	13.80	10.60	7.00	11.20	10.75	10.60	7.00
6.9		8.60	13.20	10.20	7.00	8.60	13.20	10.20	7.00	8.60	9.70	10.15	7.00
7.0			13.00	10.10	7.00		12.65	10.10	7.00		9.35	10.10	7.00
7.5			12.20	9.60	7.00		10.95	9.60	7.00		8.20	8.90	7.00
8.0			10.90	9.10	7.00		9.65	9.10	7.00		7.30	7.95	7.00
9.0			8.65	8.20	6.40		7.60	8.20	6.40		5.85	6.45	6.40
10.0			7.05	7.40	5.90		6.20	6.90	5.90		4.75	5.35	5.60
11.0			5.85	6.50	5.35		5.10	5.80	5.35		3.90	4.50	4.80
12.0			4.95	5.50	4.90		4.30	4.95	4.90		3.30	3.80	4.15
13.0			4.20	4.75	4.50		3.70	4.25	4.50		2.75	3.25	3.55
13.5			3.90	4.40	4.30		3.40	4.00	4.25		2.45	3.00	3.30
14.0			3.70	4.10	4.15		3.20	3.75	3.95		2.30	2.80	3.10
15.0				3.60	3.85			3.25	3.40			2.45	2.70
16.0				3.15	3.45			2.80	3.00			2.10	2.35
17.0				2.80	3.05			2.45	2.65			1.80	2.10
18.0				2.45	2.70			2.15	2.35			1.55	1.80
19.0				2.15	2.45			1.90	2.10			1.35	1.60
20.0				1.90	2.20			1.65	1.90			1.15	1.40
21.0				1.70	1.95			1.50	1.70			0.95	1.20
21.1				1.70	1.95			1.50	1.70			0.95	1.20
22.0					1.75				1.50				1.05
24.0					1.40				1.15				0.75
26.0					1.15				0.90				0.50
28.0					0.95				0.65				
28.2					0.95				0.65				
Min. boom angle		0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	0°	24°

		With outriggers in 3.6m position				With outriggers in 2.2m position			
		Over the side				Over the side			
Operating radius (m)	Boom length (m)	9.32	16.42	23.52	30.62	9.32	16.42	23.52	30.62
		2.5		25.00	19.00			12.20	12.00
3.0		25.00	19.00			12.20	12.00		
3.5		20.50	19.00	12.50		9.50	9.20	10.00	
4.0		16.00	15.70	12.50		7.70	7.25	7.90	
4.5		12.80	12.60	12.50		6.30	5.90	6.50	
5.0		10.70	10.50	11.00	7.00	5.20	4.90	5.50	5.60
5.5		9.05	8.75	9.40	7.00	4.40	4.10	4.65	4.80
6.0		7.70	7.45	8.20	7.00	3.80	3.50	4.00	4.20
6.5		6.60	6.40	7.25	7.00	3.20	2.90	3.45	3.70
6.9		5.80	5.75	6.55	6.60	2.75	2.60	3.10	3.35
7.0			5.55	6.35	6.50		2.50	3.00	3.25
7.5			4.90	5.60	5.90		2.05	2.60	2.85
8.0			4.35	5.05	5.30		1.75	2.30	2.55
9.0			3.35	4.05	4.35		1.20	1.80	2.00
10.0			2.65	3.30	3.65		0.75	1.40	1.60
11.0			2.10	2.70	3.05			1.00	1.20
12.0			1.65	2.25	2.55				0.90
13.0			1.30	1.85	2.15				
13.5			1.10	1.70	1.95				
14.0			1.00	1.55	1.80				
15.0				1.25	1.50				
16.0				1.00	1.25				
17.0				0.80	1.05				
18.0				0.65	0.85				
19.0				0.50	0.70				
20.0				0.55					
Min. boom angle		0°	0°	27°	45°	0°	44°	58°	64°



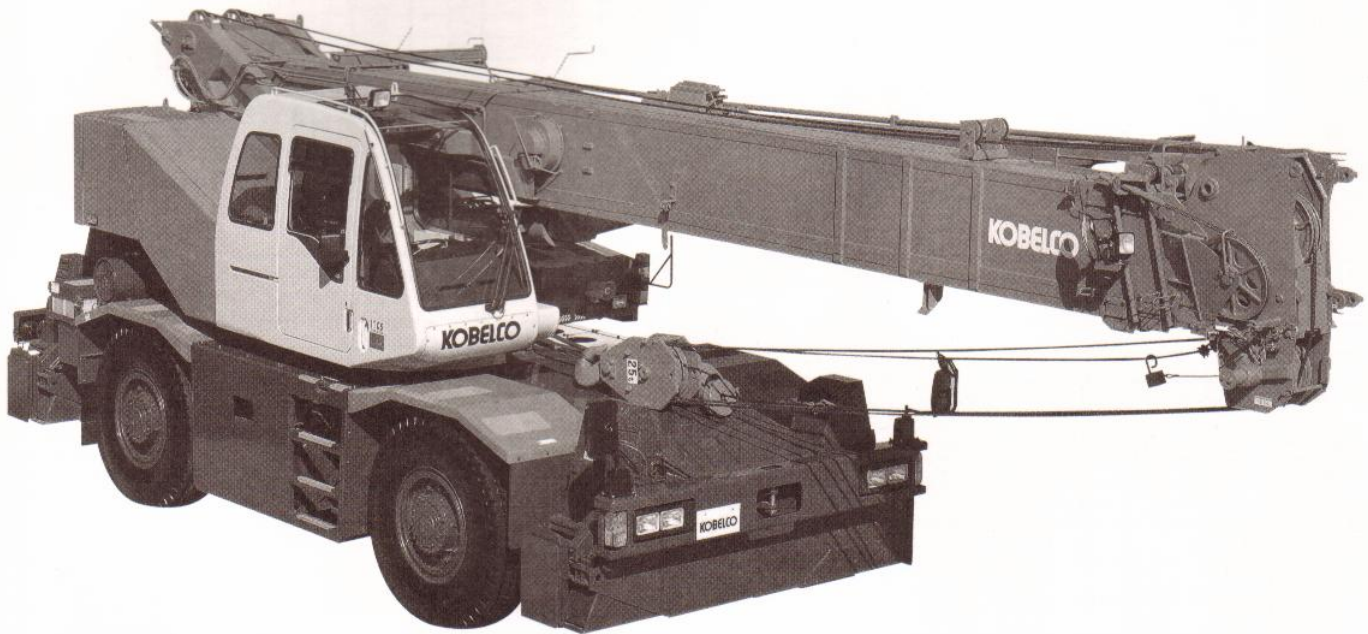
# BOOM LIFTING CAPACITIES

**RK250-6**

Main Boom Lifting Capacities without Outriggers

Unit: metric ton

Operating radius (m)	Boom length (m)	Stationary						Pick & Carry (under 2 km/h)						Operating radius (m)
		360° swing area			Over the front			360° swing area			Over the front			
		9.32	16.42	23.52	9.32	16.42	23.52	9.32	16.42	23.52	9.32	16.42	23.52	
3.0	7.05	7.30		14.00	9.00		7.00	5.10		10.50	7.50		3.0	
3.5	5.95	7.30	4.50	14.00	9.00	6.50	5.95	5.10	3.20	10.50	7.50	5.50	3.5	
4.0	4.95	4.90	4.50	12.60	9.00	6.50	4.95	4.90	3.20	9.50	7.50	5.50	4.0	
4.5	4.05	3.80	4.50	10.90	9.00	6.50	4.05	3.80	3.20	8.70	7.50	5.50	4.5	
5.0	3.35	3.10	4.30	9.55	8.20	6.50	3.35	3.10	3.20	8.00	7.00	5.50	5.0	
5.5	2.80	2.60	3.45	8.30	7.40	6.10	2.80	2.60	3.10	6.90	6.20	5.15	5.5	
6.0	2.35	2.15	2.70	7.20	6.60	5.65	2.35	2.15	2.70	5.90	5.50	4.80	6.0	
6.5	1.95	1.75	2.25	6.25	5.90	5.25	1.95	1.75	2.25	5.10	4.90	4.45	6.5	
6.9	1.55	1.50	1.95	5.20	5.40	4.95	1.55	1.50	1.95	4.30	4.45	4.25	6.9	
7.0		1.40	1.85		5.25	4.85		1.40	1.85		4.35	4.15	7.0	
8.0		0.70	1.30		4.10	4.10		0.70	1.30		3.40	3.50	8.0	
9.0			0.85		3.25	3.50			0.85		2.70	2.95	9.0	
10.0			0.55		2.60	3.00			0.55		2.15	2.45	10.0	
11.0					2.10	2.55					1.70	2.05	11.0	
12.0					1.70	2.20					1.35	1.70	12.0	
13.0					1.35	1.85					1.10	1.45	13.0	
14.0					1.00	1.55					0.80	1.20	14.0	
15.0						1.30						1.00	15.0	
16.0						1.05						0.85	16.0	
17.0						0.85						0.70	17.0	
18.0						0.65						0.55	18.0	
19.0						0.50							19.0	
Min. boom angle	0°	54°	60°	0°	0°	27°	0°	54°	60°	0°	0°	32°	Min. boom angle	





**With outriggers in 6.3 m position (360° swing area)**

7.5 m Jib							12.0 m Jib						
Jib angle Boom angle	Jib angle:5°		Jib angle:25°		Jib angle:45°		Jib angle Boom angle	Jib angle:5°		Jib angle:25°		Jib angle:45°	
	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
82.3°	5.3	3.00	7.9	2.10	9.7	1.44	82.3°	6.9	2.00	10.8	1.25	13.7	1.00
80.0°	7.0	3.00	9.6	2.10	11.2	1.44	80.0°	8.8	2.00	12.5	1.25	15.2	1.00
75.0°	10.6	3.00	12.8	2.10	14.1	1.35	75.0°	12.6	2.00	16.0	1.18	18.4	1.00
73.5°	11.6	3.00	13.7	2.10	15.2	1.33	73.5°	13.6	1.87	17.0	1.15	19.3	1.00
71.0°	13.2	3.00	15.2	2.10	16.5	1.30	72.0°	14.7	1.75	17.9	1.12	20.1	0.97
70.0°	13.8	2.90	15.8	2.10	17.1	1.28	71.0°	15.3	1.70	18.6	1.10	20.7	0.95
69.0°	14.4	2.82	16.3	2.10	17.6	1.27	69.0°	16.7	1.58	19.8	1.06	21.8	0.91
65.0°	16.7	2.50	18.6	1.88	19.7	1.23	65.0°	19.3	1.40	22.2	1.01	24.0	0.84
62.0°	18.4	2.25	20.2	1.74	21.1	1.21	60.0°	22.4	1.20	25.1	0.94	26.5	0.74
60.0°	19.5	2.10	21.2	1.65	22.1	1.20	55.0°	25.3	1.10	27.7	0.88	28.8	0.64
56.0°	21.6	1.62	23.2	1.48	23.9	1.18	53.0°	26.4	1.06	28.7	0.85	29.7	0.60
55.0°	22.2	1.51	23.6	1.40	24.3	1.17	52.0°	27.0	0.98	29.2	0.84	30.1	0.58
53.0°	23.2	1.31	24.6	1.23	25.2	1.16	51.0°	27.5	0.91	29.7	0.82	30.5	0.56
52.0°	23.6	1.22	25.0	1.16	25.6	1.13	50.0°	28.1	0.85	30.1	0.77	30.9	0.54
50.0°	24.6	1.07	25.9	1.01	26.4	1.00	48.0°	29.1	0.73	31.0	0.68	31.6	0.50
48.0°	25.5	0.93	26.8	0.87	27.1	0.87	45.0°	30.5	0.59	32.3	0.54	32.7	0.45
45.0°	26.9	0.74	28.0	0.70	28.2	0.70	40.0°	32.8	0.44	34.2	0.38		
40.0°	28.9	0.50	29.8	0.46			37.0°	34.0	0.36	35.2	0.30		
37.0°	30.0	0.39	30.7	0.34			36.0°	34.4	0.33	35.5	0.27		
36.0°	30.3	0.35	31.1	0.31			35.0°	34.8	0.31				
35.0°	30.7	0.32	31.3	0.28									
34.0°	31.0	0.30	31.6	0.26									
32.0°	31.6	0.26											
Min. boom angle	32°		34°		45°		Min. boom angle	35°		36°		45°	

**With outriggers in 5.9 m position (Over the side)**

7.5 m Jib							12.0 m Jib						
Jib angle Boom angle	Jib angle:5°		Jib angle:25°		Jib angle:45°		Jib angle Boom angle	Jib angle:5°		Jib angle:25°		Jib angle:45°	
	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
82.3°	5.3	3.00	7.9	2.10	9.7	1.44	82.3°	6.9	2.00	10.8	1.25	13.7	1.00
80.0°	7.0	3.00	9.6	2.10	11.2	1.44	80.0°	8.8	2.00	12.5	1.25	15.2	1.00
75.0°	10.6	3.00	12.8	2.10	14.1	1.35	75.0°	12.6	2.00	16.0	1.18	18.4	1.00
73.5°	11.6	3.00	13.7	2.10	15.2	1.33	73.5°	13.6	1.87	17.0	1.15	19.3	1.00
71.0°	13.2	3.00	15.2	2.10	16.5	1.30	72.0°	14.7	1.75	17.9	1.12	20.1	0.97
70.0°	13.8	2.90	15.8	2.10	17.1	1.28	71.0°	15.3	1.70	18.6	1.10	20.7	0.95
69.0°	14.4	2.82	16.3	2.10	17.6	1.27	70.0°	16.0	1.64	19.2	1.08	21.3	0.93
65.0°	16.7	2.50	18.6	1.88	19.7	1.23	69.0°	16.7	1.58	19.8	1.06	21.8	0.91
62.0°	18.5	2.25	20.2	1.71	21.1	1.21	65.0°	19.3	1.40	22.2	1.01	24.0	0.84
60.0°	19.6	1.91	21.2	1.60	22.1	1.20	60.0°	22.4	1.20	25.1	0.94	26.5	0.74
58.0°	20.7	1.64	22.2	1.44	23.0	1.19	56.0°	24.8	1.12	27.2	0.89	28.4	0.66
55.0°	22.2	1.32	23.6	1.20	24.3	1.17	55.0°	25.3	1.04	27.7	0.88	28.8	0.64
52.0°	23.6	1.03	25.0	0.96	25.6	0.94	52.0°	27.0	0.83	29.2	0.73	30.1	0.58
50.0°	24.6	0.88	25.9	0.80	26.4	0.79	51.0°	27.5	0.76	29.7	0.67	30.5	0.56
49.0°	25.1	0.81	26.3	0.74	26.7	0.73	50.0°	28.1	0.70	30.1	0.62	30.9	0.54
48.0°	25.5	0.74	26.8	0.68	27.1	0.67	49.0°	28.6	0.64	30.6	0.57	31.2	0.52
45.0°	26.9	0.54	28.0	0.51	28.2	0.51	48.0°	29.1	0.57	31.0	0.52	31.6	0.50
42.0°	28.1	0.39	29.1	0.36			45.0°	30.5	0.42	32.3	0.38	32.7	0.38
40.0°	28.9	0.30	29.8	0.28			42.0°	31.9	0.29	33.5	0.26		
39.0°	29.3	0.26											
Min. boom angle	39°		40°		45°		Min. boom angle	42°		42°		45°	

**With outriggers in 5.0 m position (Over the side)**

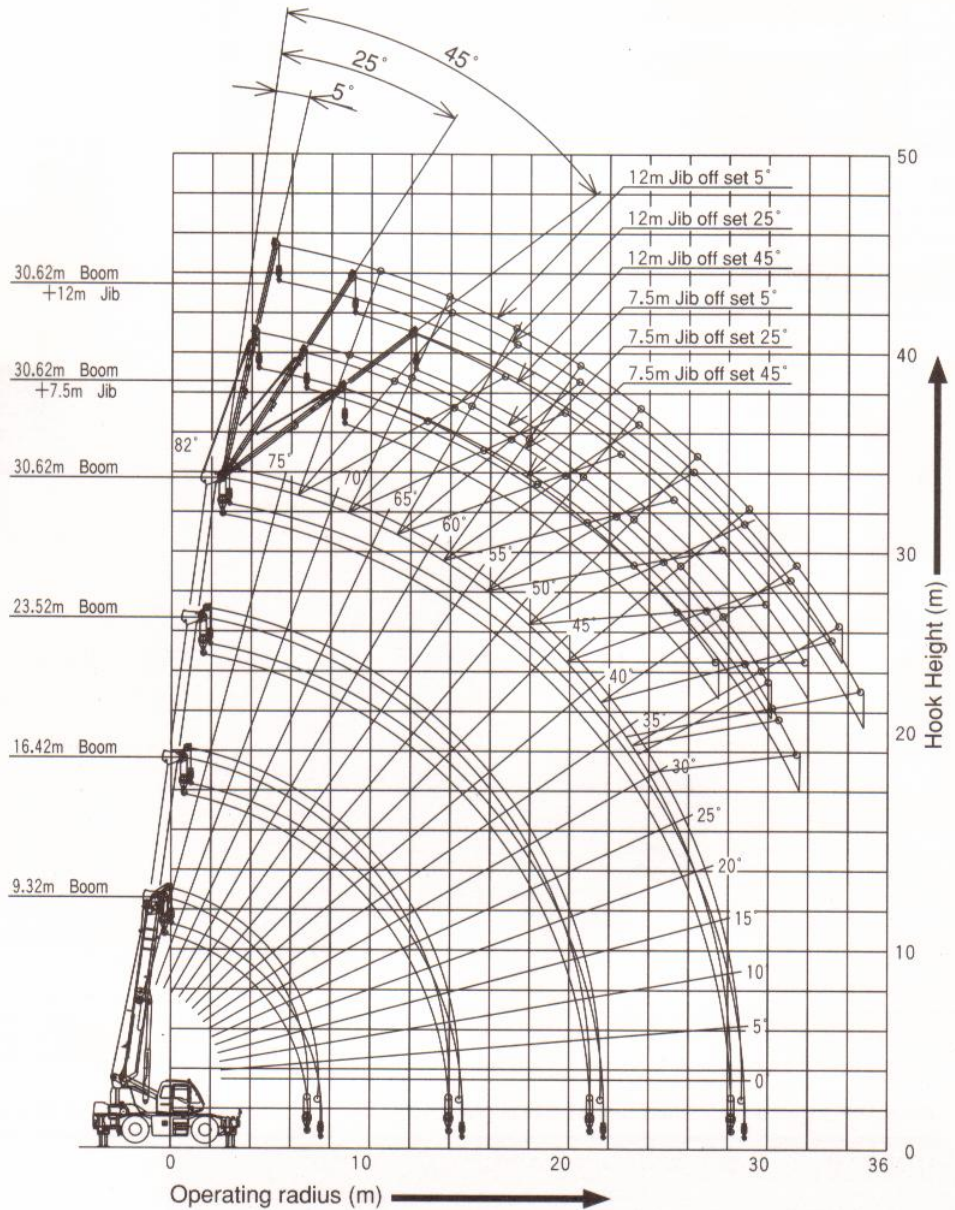
7.5 m Jib							12.0 m Jib						
Jib angle Boom angle	Jib angle:5°		Jib angle:25°		Jib angle:45°		Jib angle Boom angle	Jib angle:5°		Jib angle:25°		Jib angle:45°	
	Operating radius (m)	Jib lifting capacities	Operating radius (m)	Jib lifting capacities	Operating radius (m)	Jib lifting capacities		Operating radius (m)	Jib lifting capacities	Operating radius (m)	Jib lifting capacities	Operating radius (m)	Jib lifting capacities
82.3°	5.3	3.00	7.9	2.10	9.7	1.44	82.3°	6.9	2.00	10.8	1.25	13.7	1.00
80.0°	7.0	3.00	9.6	2.10	11.2	1.44	80.0°	8.8	2.00	12.5	1.25	15.2	1.00
75.0°	10.7	3.00	12.8	2.10	14.1	1.35	75.0°	12.6	2.00	16.0	1.18	18.4	1.00
73.5°	11.6	3.00	13.7	2.10	15.2	1.33	73.5°	13.6	1.87	17.0	1.15	19.3	1.00
72.0°	12.5	3.00	14.6	2.10	16.0	1.31	72.0°	14.7	1.75	17.9	1.12	20.1	0.97
71.0°	13.2	3.00	15.2	2.10	16.5	1.30	71.0°	15.3	1.70	18.6	1.10	20.7	0.95
70.0°	13.8	2.90	15.8	2.10	17.1	1.28	70.0°	16.0	1.64	19.2	1.08	21.3	0.93
69.0°	14.4	2.82	16.3	2.10	17.6	1.27	69.0°	16.7	1.58	19.8	1.06	21.8	0.91
65.0°	16.7	2.06	18.6	1.80	19.7	1.23	65.0°	19.3	1.40	22.2	1.01	24.0	0.84
63.0°	17.8	1.72	19.6	1.50	20.6	1.21	63.0°	20.6	1.32	23.4	0.98	25.0	0.80
60.0°	19.5	1.32	21.2	1.16	22.1	1.01	62.0°	21.2	1.28	24.0	0.97	25.5	0.78
58.0°	20.6	1.07	22.2	0.96	23.0	0.88	61.0°	21.8	1.16	24.5	0.95	26.0	0.76
55.0°	22.2	0.76	23.6	0.70	24.3	0.68	60.0°	22.4	1.05	25.1	0.88	26.5	0.74
52.0°	23.6	0.53	25.0	0.47	25.6	0.46	58.0°	23.6	0.84	26.2	0.72	27.5	0.70
50.0°	24.6	0.39	25.9	0.35	26.4	0.34	55.0°	25.3	0.60	27.7	0.52	28.8	0.51
49.0°	25.0	0.33	26.3	0.29	26.7	0.29	52.0°	27.0	0.40	29.2	0.35	30.1	0.34
48.0°	25.4	0.27					50.0°	28.0	0.28	30.1	0.25	30.9	0.25
Min. boom angle	48°		49°		49°		Min. boom angle	50°		50°		50°	



With outriggers in 3.6 m position (Over the side)

Jib angle Boom angle	7.5 m Jib						12.0 m Jib						
	Jib angle:5°		Jib angle:25°		Jib angle:45°		Jib angle:5°		Jib angle:25°		Jib angle:45°		
	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	
82.3°	5.3	3.00	7.9	2.10	9.7	1.44	82.3°	6.9	2.00	10.8	1.25	13.7	1.00
80.0°	7.0	3.00	9.5	2.10	11.2	1.44	80.0°	8.8	2.00	12.5	1.25	15.2	1.00
75.0°	10.7	3.00	12.8	2.10	14.1	1.35	75.0°	12.6	2.00	16.0	1.18	18.4	1.00
73.5°	11.6	2.60	13.7	1.94	15.2	1.33	73.5°	13.6	1.87	17.0	1.15	19.3	1.00
71.0°	13.2	1.96	15.2	1.63	16.5	1.30	72.0°	14.7	1.75	17.9	1.12	20.1	0.97
69.0°	14.4	1.53	16.3	1.31	17.6	1.10	71.0°	15.3	1.63	18.6	1.10	20.7	0.95
67.0°	15.5	1.17	17.4	1.02	18.6	0.91	70.0°	16.0	1.45	19.2	1.08	21.3	0.93
65.0°	16.7	0.88	18.6	0.80	19.7	0.73	69.0°	16.7	1.28	19.8	0.99	21.8	0.85
63.0°	17.7	0.63	19.5	0.59	20.6	0.54	67.0°	17.8	1.00	21.0	0.77	22.9	0.68
60.0°	19.1	0.34	21.0	0.31	22.1	0.29	65.0°	19.1	0.76	22.1	0.58	23.8	0.52
59.0°	19.6	0.26					63.0°	20.4	0.55	23.3	0.41	24.8	0.37
							62.0°	21.0	0.45	23.9	0.34	25.3	0.30
							61.0°	21.6	0.35	24.4	0.26		
							60.0°	22.2	0.26				
Min. boom angle	59°		60°		60°		Min. boom angle	60°		61°		62°	

**WORKING RANGES**



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



## STANDARD EQUIPMENT

Standard jib
Aux. sheave
25t hook
4t 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, one rear)
Cab heater/defroster
Operation Manual: one set

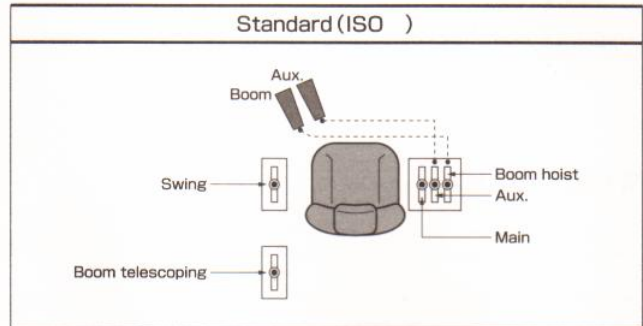
## OTHER AMENITIES

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

## OPTIONAL EQUIPMENT

Extra hydraulic oil cooler for hydraulic system
Spare tire

## LEVER & PEDALS



**Note:** Due to our policy of continual product improvements all designs and specifications are subject to change without advance notice.

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Bulletin No.RK250-6R-SPEC-1

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MACHINERY

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