

# **SPECIFICATIONS**

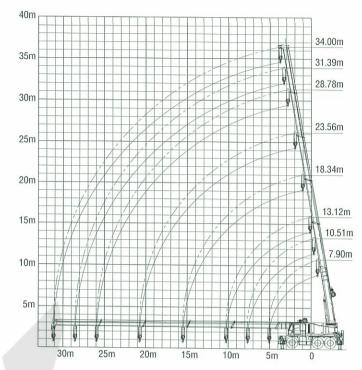
CRANE PERFORMANCE							
	7.90 m boom (over front/over rear)	45,000 kg** x 2.5 m (10 parts) 40,000 kg* x 2.5 m (10 parts)					
	7.90 m boom (all around)	35,000 kg x 3.0 m (10 parts)					
	10.51 m boom	24,500 kg x 5.0 m (7 parts)					
	13.12 m boom 22,500 kg x 5.0 m (7)						
Max. rated load	18.34 m boom 17,000 kg x 6.0 m (5 pi						
Max. Taleu 10au	23.56 m boom	15,000 kg x 6.0 m (4 parts)					
	28.78 m boom	11,400 kg x 8.0 m (3 parts)					
	31.39 m boom	9,450 kg x 8.0 m (3 parts)					
	34.00 m boom	7,200 kg x 10.0 m (3 parts)					
	6.3 m jib	4,000 kg x 14.0 m (1 part)					
	10.2 m jib	3,000 kg x 12.0 m (1 part)					
	Heavy duty jib	15,000 kg x 8.0 m (4 parts)					
22 1221 22 20 20 2	25 t hook (Main boom)	34.15 m					
Max. lifting height	4 t ball hook (Twist jib)	44.4 m					
	Boom	31.1 m					
Max. working radius	Jib	36.0 m					
Main boom length	7.90 m to 34.0 m	30.0 111					
Boom telescoping speed	120 sec/26.1 m						
Jib length	6.3 m, 10.2 m (1.2 m: He	aaw duty iib)					
Line speed	120 m/min at 4th layer, 9						
Line pull	4,500 kg at 5th layer	oo miimii at 1st layel					
Boom raising speed	55 sec/ - 9° to 80°						
Swing speed	2.1 min <sup>-1</sup> {2.1 rpm)						
CRANE MAIN STRUCTURE							
GHARL MAIN STRUCTURE		d, 3rd and 4th singly, and 5th					
Main boom							
Maii Dooni	and 6th simultaneous telescoping  Hydraulic telescoping, use in combination with wire rope						
Jib	Side storage, compressed truss and box type, 2nd						
JID	drawing out type.						
	Manual jib, 3 step variable tilt type (5°,25°,45°)						
Winels auctom	Hydraulic motor drive, planetary gear reduction and						
Winch system	automatic brake (without	,					
	High to low variable speed  Direct forced type by double acting hydraulic cylinder						
Boom hoist system	(-8°~ 82°)	uble acting hydraulic cylinder					
Swing system	Hydraulic motor drive, p pedal brake and parking	lanetary gear reduction type with brake.					
Outriggers	All hydraulic H-type Extension width: 6.47/6.						
** Over rear/over front/requir							

WIRE ROPE							
Main	ժ 16 m	m x 160	) m. P · !	S (19)	+ 39 x P·7		
HYDRAULIC SYSTEM	NA SA			0 (10)	T CO X T T		
Hydraulic pumps	for trav	el an	2 variable displacement plunger pumps for trave and 2 gear pumps for steering and 1 gear pump for emergency steering				
	for crar		variable ımps	displ	acement plunger pumps and 3 gear		
Hydraulic oil tank	558 lite	rs					
CARRIER PERFORMA							
Max. travel speed	80 km/						
Gradeability	High ge	ear: 19 9	% (11°)	/ Low	gear: 50 % (27°)		
Min. turning radius	Over ou	ıtside fr	ont bur	nper	8.02 /6.51 m (normal/cramp steering)		
wiii. turning radius	Over bo	om hea	nd		8.33 /6.87 m (normal/cramp steering)		
	Make/n	nodel	HINO	E13C	, , , , , , , , , , , , , , , , , , , ,		
Engine	Type Wa		injecti	ater cooled, 4 cycle, 6 cylinders, direct ection diesel with turbocharger, intercooler nti-pollution conforming to Euromot III)			
3	Displac	ement		3 liter			
	Max. output 330				00 min-1 {449 PS/1,800 rpm}		
	Max. to				,300 min <sup>-1</sup> {197 kgf m/1,300 rpm}		
<b>CARRIER MAIN STRU</b>	JCTURE		Makes				
Travel drive	All whe	el drive	and ste	ering	(6 x 6)		
Transmission	Type			HST (Hydrostatic transmission), full-time 6 wheel drive			
	No. of	speed sl		CVT by HST + High/Low 2-step			
					by variable displacement		
Axles					I locks for transverse lock.		
		axle inte					
Suspension					on (with hydraulic cylinder)		
	Type	Integra		wer st	eering with emergency		
Steering	Mode	Off-roa	ad: Clan	np mo	d axle (Steering lock: 2nd axle) de (all axles), Crab mode (all axles) and 3rd axles)		
	Main s	ervice b	rake		nal expansion drum type with full air ter on all wheels		
Brake	Aux. br	ake			HST brake		
	Parking	g brake		Sprin	g locked type, acting on wheels of nd and 3rd axles.		
Tires (front and rear)	385/95	R25					
Fuel tank	400 lite						
		Too more					

<sup>\*\*</sup> Over rear/over front/require special equipment \* Over rear/over front/require additional equipment

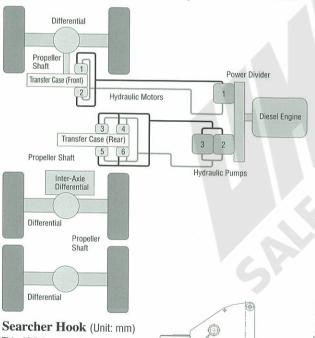
MAIN BOOM • Main boom length: 7.90 - 34.0 m • Outriggers: 6.47 m position • Swing area: 360°

Boon	n length (m)	7.90	10.51	13.12	18.34	23.56	28.78	31.39	Unit: to
		45.00**	10.01	10.12	10.04	20.00	20.70	31.39	34.00
	2.5	40.00*							
	3.0	35.00	24.50	22.50	17.00				
	3.5	33.00	24.50	22.50	17.00				
	4.0	31.00	24.50	22.50	17.00	15.00			
	4.5	28.50	24.50	22.50	17.00	15.00			
	5.0	25.00	24.50	22.50	17.00	15.00	11.40		
35	6.0		21.30	19.10	17.00	15.00	11.40	9.45	7.20
Ē	7.0		17.80	17.00	16.00	14.00	11.40	9.45	7.20
SIL	8.0			15.50	14.70	13.15	11.40	9.45	7.20
rad	9.0			13.05	12.90	11.75	10.60	9.25	7.20
gu:	10.0			10.65	10.50	10.80	9.90	8.70	7.20
Operating radius (m)	12.0				7.85	7.80	8.10	7.65	6.30
8 _	14.0				5.85	6.10	6.35	6.20	5.40
	16.0					4.95	4.95	4.95	4.70
	18.0					3.90	4.30	4.15	4.20
	20.0	3				3.15	3.55	3.65	3.50
	22.0						2.90	3.05	2.85
	24.0						2.40	2.55	2.35
	26.0							2.10	1.90
	28.0							1.75	1.55
	30.0								1.25
Boom	angle 0°	21.00	14.10	9.15	4.35	2.65	1.85	1.60	1.05

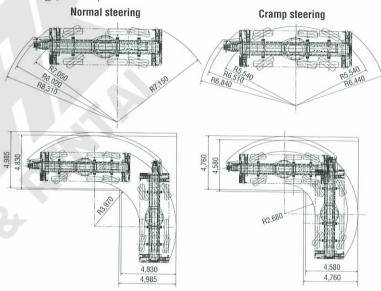


## Driveline

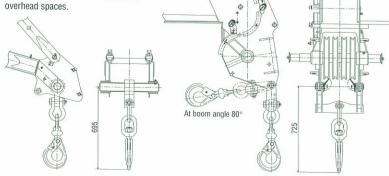
Hydrostatic transmission system delivers engine horsepower to the final drive without conventional mechanical-type transmission. And together with our integrated HST brake, offers you advanced mobility and less mechanical trouble.



# Steering (Unit: mm)



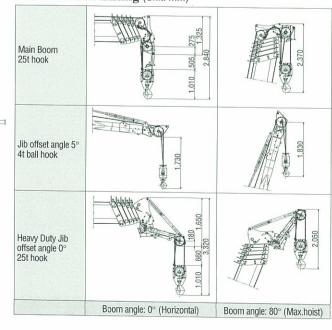
This 12.5 ton capacity direct hook on our 7.9 m compact boom allows you more access to the confined overhead spaces.



# Heavy Duty Jib

The adjustable heavy duty jib will gain further more access, suitable for indoor lifts.

# Limit of Hook Lifting (Unit: mm)



<sup>\*\*</sup>Over rear/over front/require special equipment

<sup>\*</sup>Over rear/over front/require additional equipment



•Boom length: 28.78 - 34.0 m • Jib length: 6.30 - 10.20 m • Outriggers: 6.47 m position • Swing area: 360°

Boo	om length (m)	W (18 18 18 18 18 18 18 18 18 18 18 18 18 1	28.78		December 1982	04.0	Unit: to
	length (m)		20.70	6	30	34.0	
Jib :	angle (degree)	5	45				
	8.0	4.00	25	10	4.00	20	45
	9.0	4.00	3.90		4.00		
	10.0	4.00	3.90		4.00	3.90	
	11.0	4.00	3.80	1.60	4.00	3.90	
	12.0	4.00	3.55	1.60	4.00	3.90	1.60
	13.0	3.70	3.30	1.60	4.00	3.70	1.60
	14.0	3.45	3.10	1.50	4.00	3.50	1.60
E	15.0	3.25	2.90	1.40	3.75	3.30	1.60
Sn	16.0	3.10	2.75	1.35	3.55	3.10	1.50
rad	17.0	2.95	2.65	1.30	3.35	2.95	1.40
gu	18.0	2.75	2.55	1.20	3.20	2.80	1.35
Operating radius (m)	19.0	2.65	2.40	1.15	3.05	2.70	1.30
5	20.0	2.35	2.25	1.10	2.90	2.60	1.25
	22.0	1.90	1.95	1.00	2.65	2.40	1.15
	24.0	1.50	1.50	0.90	2.20	2.15	1.05
	26.0	1.15	1.15		1.80	1.85	1.00
	28.0	0.80	0.85		1.50	1.60	0.90
	30.0				1.15	1.25	0.50
	32.0				0.90	0.90	
	34.0				0.60	0.65	
No. c	of part line	1	1	1	1	1	1

1.1	 * 1		
		ton	

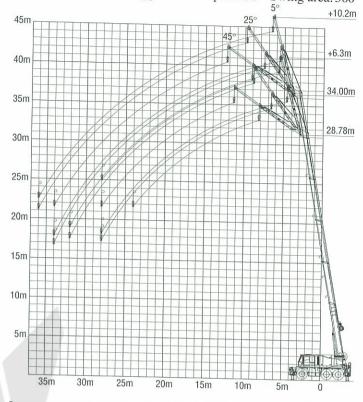
Boom	length (m)		28.78			34.0	Unit: 1			
	gth (m)		10.20							
Jib an	gle (degree)	5								
	8.0	3.00		100		20	45			
	9.0	3.00			3.00					
	10.0	3.00			3.00					
	11.0	2.95	2.10		3.00					
	12.0	2.90	2.10		3.00					
	13.0	2.85	2.10		2.95	2.10				
	14.0	2.80	2.10	1.00	2.90	2.10				
=	15.0	2.75	2.10	1.00	2.85	2.10	1.00			
S	16.0	2.65	2.10	1.00	2.80	2.10	1.00			
	17.0	2.55	2.05	0.90	2.75	2.10	1.00			
Operating radius (m)	18.0	2.45	2.00	0.85	2.70	2.10	1.00			
atin	19.0	2.35	1.95	0.80	2.60	2.05	0.90			
ber	20.0	2.20	1.90	0.80	2.50	2.00	0.85			
٥	22.0	2.00	1.75	0.75	2.30	1.90	0.80			
	24.0	1.70	1.65	0.70	2.10	1.80	0.75			
	26.0	1.35	1.50	0.60	1.90	1.70	0.70			
	28.0	1.10	1.35	0.55	1.60	1.60	0.65			
	30.0	0.90	1.00		1.30	1.45	0.60			
	32.0	0.70	0.70		1.10	1.30	0.55			
	34.0				0.90	1.00	0.50			
	36.0				0.70	0.70	2.00			
Vo. of	part line	1	1	1	1	1	1			

# Lifting capacity

# Stationary: Max.

Operating radius 4.5 m

Swing area			360°	
Boom length	m	7.90	10.51	13.12
Lifting capacity	ton.	8.00	7.50	7.50



Boom and jib geometry shown does not reflect any deflection of boom and jib. Boom deflection and subsequent radius and boom angle change must be accounted for when at actual operation.

### Reference

- 1. RKE450 was designed and manufactured by KOBELCO CRANES CO., LTD. in accordance with the Standard: ASME code B30.5, EN13000:2010.
- 2. The crane is classified as follows (ISO 4301-1, ISO 4301-2). Class of utilization of cranes = U2

Normal load spectrum factor for cranes = Q2 Group classification of the crane as a whole= A1

3. The hoist winch mechanism is classified as follows (ISO 4301-1, ISO 4301-2). Class of utilization of cranes = T4

State of loading= L1

Group classification of the hoist mechanism as a whole= M3

Furthermore, KOBELCO CRANES CO., LTD. hereby confirms that the stability factor for the RKE450-3.1 EUR is 75% for stationary lifting and 66.6% for pick and carry.

# Note

Since the operating radius given in the chart includes allowances for laden boom deflection, the crane must always be operated on the basis of actual operating radius.

RKE450 is designed for lifting purpose only. Do not use and/or lift attachments which cause vibration or shock

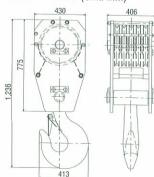
The machine may be damaged.

# Pick & carry (under 2 km/h): Max.

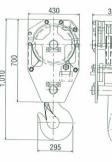
Operating radius: 3.0 m / Boom length: 7.90~13.12m

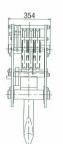
Swing area	Over fornt	Over rear
Lifting capacity ton	12.00	15.50

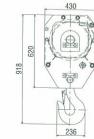
# Hook Blocks (Unit: mm)



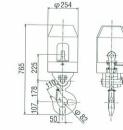




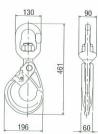












40 t hook

25 t hook

10t hook

4t ball hook

Searcher hook

# General Dimensions (Unit: mm) Total weight 36,000 kg 1st axle load 12,000 kg 2nd axle load 12,000 kg 3rd axle load 12,000 kg 6,940 3,315 3,625 mid. 2,170 (min. 3,600 (mid. mid. 5,100 ( 6,100 ( 6,470 ( 153 ind center of 2,130 (tread) 3.565 3,375 3,090 ± 90 (without cab roof wiper)

# SAFETY DEVICE

# Crane System

Moment limiter (auto-stop) Overhoist prevention device (auto-stop) Swing automatic stop device Working range limit device Swing brake Swing lock device (front and rear) Interceptive lever lock for on and off Check & Safety Monitor Sling wire lock Hoist drum camera Overload state record Emergency directly connected cable Over lowering prevention device (auto-stop) Deadman switch

1,200

2.860

# Travel System

Rear view camera Emergency steering pump ABS Rear steering auto-lock Suspension lock device Engine overrun warning device Reverse sound alarm Seat belt

3,100

9,060

840

1,500

# STANDARD EQUIPMENT

Spotlights

1.600

Hoist drum camera, rear view camera

Reverse sound alarm

Hook block 25t (3-sheave)

Tacho-graph (analog)

Hydraulically retractable side-step for cabin

Centralized greasing system

Air conditioner

Hoist winch

Foot pedals (swing)

Outrigger control box (left and right side)

# **OPTIONAL EQUIPMENT**

Twist jib

2,130 (tread)

2.550

Heavy duty jib

4.0t ball, 10.0 t, 25.0t, 40.0 t hook block

12.5t searcher hook

Outrigger spotlight

Engine pre-heater

Stainless steel muffler with spark arrester

Stowage box

Spare wheel: 385/95 R25

Spare rim: 385/95 R25

One-way call

Radio antenna (on request)

Fire distinguisher (on request)

Yellow rotating beacon (on request)

Boom bumper (on request)

Optional equipment may vary by countries.

Note: This catalog may contain photographs of machines with specifications, attachments and optional equipment not certified for operation in your country. Please consult KOBELCO for those items you may require. Due to our policy of continual product improvements all designs and specifications are subject to change without advance notice. Copyright by KOBELCO CRANES CO., LTD. No part of this catalog may be reproduced in any manner without notice.

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Bulletin No.RKE450-3.1-EU1 100301IF Printed in Japan



# **MAIN SPECIFICATIONS**

CRANE PERFORMANCE							
	7.90 m boom (over front/over rear)	45,000 kg** x 2.5 m (10 parts) 40,000 kg* x 2.5 m (10 parts)					
	7.90 m boom (all around)	35,000 kg x 3.0 m (10 parts)					
	10.51 m boom	24,500 kg x 5.0 m (7 parts)					
	13.12 m boom 22,500 kg x 5.0 m (7 p						
Marriage and I amend	18.34 m boom	17,000 kg x 6.0 m (5 parts)					
Max. rated load	23.56 m boom	15,000 kg x 6.0 m (4 parts)					
	28.78 m boom	11,400 kg x 8.0 m (3 parts)					
	31.39 m boom	9,450 kg x 8.0 m (3 parts)					
	34.00 m boom	7,200 kg x 10.0 m (3 parts)					
	6.3 m jib	4,000 kg x 14.0 m (1 part)					
	10.2 m jib	3,000 kg x 12,0 m (1 part)					
	Heavy duty jib	15,000 kg x 8.0 m (4 parts)					
	25 t hook (Main boom)	34.15 m					
Max. lifting height	4 t ball hook (Twist jib)	44.4 m					
	Boom	31.1 m					
Max. working radius	Jib	36.0 m					
Main boom length	7.90 m to 34.0 m						
Boom telescoping speed	120 sec/26.1 m						
Jib length	6.3 m, 10.2 m (1.2 m: H	eavy duty jib)					
Line speed	120 m/min at 4th layer, 9						
Line pull	4,500 kg at 5th layer						
Boom raising speed	55 sec/ - 9° to 80°						
Swing speed	2.1 min-1 (2.1 rpm)						
CRANE MAIN STRUCTUR							
	Box type, 6 sections, 2nd	d, 3rd and 4th singly, and 5th					
Main boom	and 6th simultaneous telescoping						
	Hydraulic telescoping, us	se in combination with wire rope					
	Side storage, compresse	ed truss and box type, 2nd					
Jib	drawing out type.						
	Manual jib, 3 step variable tilt type (5°,25°,45°)						
	Hydraulic motor drive, p	lanetary gear reduction and					
Winch system	automatic brake (without free-fall).						
	High to low variable speed						
Boom hoist system	Direct forced type by doi (-8°~ 82°)	uble acting hydraulic cylinder					
Oude a sustant		anetary gear reduction type with					
Swing system	pedal brake and parking						
0.1	All hydraulic H-type						
Outriggers		Extension width: 6.47/6.10/5.10/3.60/2.17 m					
		10,0110,0100,2111					

<sup>\*\*</sup> Over rear/over front/require special equipment \* Over rear/over front/require additional equipment

WIRE ROPE	1000					
Main	₫ 16 m	m x 160	) m. P	·S (19)	+ 39 x P·7	
HYDRAULIC SYSTEM			,	- ()		
Hydraulic pumps	for trav	el ar	2 variable displacement plunger pumps for trav and 2 gear pumps for steering and 1 gear pump for emergency steering			
	for crar	or crane 2 variable displacement plunger pumps and 3 g pumps				
Hydraulic oil tank	558 lite	558 liters				
CARRIER PERFORMA	ANCE					
Max. travel speed	80 km/	h				
Gradeability	High ge	ear: 19 °	% (11°	)/ Low	gear: 50 % (27°)	
Min, turning radius	Over or	ıtside fr	ont bu	mper	8.02 /6.51 m (normal/cramp steering)	
wiii. turning radius	Over bo	om hea	ad		8.33 /6.87 m (normal/cramp steering)	
	Make/n	nodel	HINC	E13C		
Engine	Туре		injec	Nater cooled, 4 cycle, 6 cylinders, direct njection diesel with turbocharger, intercooler Anti-pollution conforming to Euromot III)		
	Displac	ement	12.9	13 liter	s	
	Max. o	utput			00 min-1 {449 PS/1,800 rpm}	
	Max. to	Max. torque 1,930 Nm/1,300 min <sup>-1</sup> {197 kgf m/1,300 rpm}				
CARRIER MAIN STRU						
Travel drive	All whe	e <b>l</b> drive				
Transmission	Туре				lydrostatic transmission), ne 6 wheel drive	
		speed s		CVT by HST + High/Low 2-step		
Axles					by variable displacement Il locks for transverse lock.	
7 0.100	2-step axle intermediate gear					
Suspension					n (with hydraulic cylinder)	
	Туре		ated po	wer st	eering with emergency	
Steering	Mode	On-roa Off-roa	id: 1st ad: C <b>l</b> a	and 3r mp mo	d axle (Steering lock: 2nd axle) de (all axles), Crab mode (all axles) and 3rd axles)	
	Main se	ervice b	rake	l	al expansion drum type with full air er on all wheels	
Brake	Aux. br	ake		ABS,	HST brake	
	Parking	j brake			g locked type, acting on wheels of nd and 3rd axles.	
Tires (front and rear)	385/95	R25				
Fuel tank	400 lite	rs				
-						



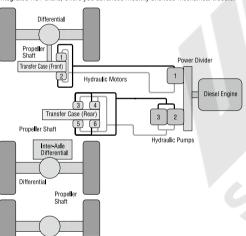
# LIFTING CAPACITIES

# Main Boom • Main boom length: 7.90 - 34.0 m • Outriggers: 6.47 m position • Swing area: 360°

									Unit: ton
Во	om length (m)	7.90	10.51	13.12	18.34	23.56	28.78	31.39	34.00
	2.5	45.00**							
	2.5	40.00*							
	3.0	35.00	24.50	22.50	17.00				
	3.5	33.00	24.50	22.50	17.00				
	4.0	31.00	24.50	22.50	17.00	15.00			
	4.5	28.50	24.50	22.50	17.00	15.00			
	5.0	25.00	24.50	22.50	17.00	15.00	11.40		
=	6.0		21.30	19.10	17.00	15.00	11.40	9.45	7.20
Operating radius (m)	7.0		17.80	17.00	16.00	14.00	11.40	9.45	7.20
ginip	8.0			15.50	14.70	13.15	11.40	9.45	7.20
gra	9.0			13.05	12.90	11.75	10.60	9.25	7.20
atin	10.0			10.65	10.50	10.80	9.90	8.70	7.20
ber	12.0				7.85	7.80	8.10	7.65	6.30
0	14.0				5.85	6.10	6.35	6.20	5.40
	16.0					4.95	4.95	4.95	4.70
	18.0					3.90	4.30	4.15	4.20
	20.0					3.15	3.55	3.65	3.50
	22.0						2.90	3.05	2.85
	24.0						2.40	2.55	2.35
	26.0							2.10	1.90
	28.0							1.75	1.55
	30.0								1.25
Во	om angle 0°	21.00	14.10	9.15	4.35	2.65	1.85	1.60	1.05

## Driveline

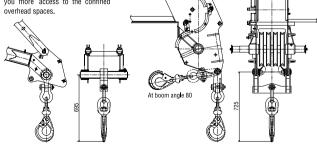
Hydrostatic transmission system delivers engine horsepower to the final drive without conventional mechanical-type transmission. And together with our integrated HST brake, offers you advanced mobility and less mechanical trouble.



# Steering Normal steering Cramp steering Region 4,580 4,580 4,580 4,760

# Searcher Hook

This 12.5 ton capacity direct hook on our 7.9 m compact boom allows you more access to the confined overhead spaces



# **Heavy Duty Jib**

The adjustable heavy duty jib will gain further more access, suitable for indoor lifts.

# Main Boom 25t hook Jib offset angle 5 4t ball hook Heavy Duty Jib offset angle 0 25t hook

Boom angle: 0 (Horizontal)

Boom angle: 80 (Max. hoist)

<sup>\*\*</sup>Over rear/over front/require special equipment \*Over rear/over front/require additional equipment



LIFTING CAPACITIES
TWIST JIB •Boom length: 28.78 - 34.0 m • Jib length: 6.30 - 10.20 m • Outriggers: 6.47 m position • Swing area: 360°

							Unit: ton		
Во	om length (m)	28.78 34.0							
Jit	length (m)	6.30							
Jit	angle (degree)	5	25	45	5	25	45		
	8.0	4.00			4.00				
	9.0	4.00	3.90		4.00				
	10.0	4.00	3.90		4.00	3.90			
	11.0	4.00	3.80	1.60	4.00	3.90			
	12.0	4.00	3.55	1.60	4.00	3.90	1.60		
	13.0	3.70	3.30	1.60	4.00	3.70	1.60		
	14.0	3.45	3.10	1.50	4.00	3.50	1.60		
Ξ	15.0	3.25	2.90	1.40	3.75	3.30	1.60		
Operating radius (m)	16.0	3.10	2.75	1.35	3.55	3.10	1.50		
radi	17.0	2.95	2.65	1.30	3.35	2.95	1.40		
g	18.0	2.75	2.55	1.20	3.20	2.80	1.35		
atat	19.0	2.65	2.40	1.15	3.05	2.70	1.30		
ð	20.0	2.35	2.25	1.10	2.90	2.60	1.25		
	22.0	1.90	1.95	1.00	2.65	2.40	1.15		
	24.0	1.50	1.50	0.90	2.20	2.15	1.05		
	26.0	1.15	1.15		1.80	1.85	1.00		
	28.0	0.80	0.85		1.50	1.60	0.90		
	30.0				1.15	1.25			
	32.0				0.90	0.90			
	34.0				0.60	0.65			
No	. of part line	1	1	1	1	1	1		

							Unit: ton					
Во	om length (m)		28.78		34.0							
Jit	length (m)		4									
Jib	angle (degree)	5	25	45	5	25	45					
	8.0	3.00			1							
	9.0	3.00			3.00							
	10.0	3.00			3.00							
	11.0	2.95	2.10	4	3.00							
	12.0	2.90	2.10	-4	3.00							
	13.0	2.85	2.10		2.95	2.10						
	14.0	2.80	2.10	1.00	2.90	2.10						
_	15.0	2.75	2.10	1.00	2.85	2.10	1.00					
١Ë	16.0	2.65	2.10	1.00	2.80	2.10	1.00					
#	17.0	2.55	2.05	0.90	2.75	2.10	1.00					
ā	18.0	2.45	2.00	0.85	2.70	2.10	1.00					
Operating radius (m)	19.0	2.35	1.95	0.80	2.60	2.05	0.90					
bei	20.0	2.20	1.90	0.80	2.50	2.00	0.85					
0	22.0	2.00	1.75	0.75	2.30	1.90	0.80					
	24.0	1.70	1.65	0.70	2.10	1.80	0.75					
	26.0	1.35	1.50	0.60	1.90	1.70	0.70					
	28.0	1.10	1.35	0.55	1.60	1.60	0.65					
	30.0	0.90	1.00		1.30	1.45	0.60					
	32.0	0.70	0.70		1.10	1.30	0.55					
	34.0				0.90	1.00	0.50					
	36.0				0.70	0.70						
No	. of part line	1	1	1	1	1	1					

45m	_																									:	25			Λ	_	_		_			
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	H	+	Н	Н	+	+	+	$^{+}$	$^{+}$	+	$^{+}$	+	t	Ħ	7	r	f	b		f	Н	1	H	۲.	L	Þ	۶	ł	1	-	×	×	H	H	t	Н	24.0
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	Н	+	Н	Н	4	+	+	+	$\star$	4	4	↲	4	4	_	1	1	b	K	K	H	L	k	r	╀	L	Ł	H	P	ĸ.	Ľ	4	N	ļ\\	╀	⊢	4
	Н	+	Н	Н	+	+	+	X	X	4	ł	4	+	1	4	h	1	r	⊱	Ь	K	H	H	b	F	r	E	μ	⊢	Ľ	Н	2	В	Н	⊬	Н	1
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	Н	+	Н	Н	+	+	+	+	+	+	+	+	+	-	-	Н	H	H	H	⊢	Н	H	H	⊢	H	H	┝	H	H	H	Н	H	H	H	⊢	H	M
15m	H	+	Н	Н	7	+	+	+	+	+	+	+	+	_		Н	Н	H	Н	H	Н	Н	Н	Н	H	t	t	H	Н	Н	Н	Н	Н	H	t	Н	П
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10m	Н	+	Н	Н	+	+	+	+	+	+	+	+	+	+	-	Н	Н	⊢	Н	⊢	Н	Н	Н	Н	⊢	⊢	H	Н	Н	Н	Н	Н	Н	⊢	╁	Н	H
	H	$^{+}$	Н	Н	1	1	+	+	t	t	+	+	†			Н	H	Н	Н	t	Н	Т	Н	H	t	t	t	Н	H	Н	Н	Н	Н	H	t	Н	H
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5m	Н	+	Н	Н	+	+	+	+	+	+	+	+	+	-	-	Н	H	⊢	⊢	⊢	Н	H	Н	⊢	⊢	⊢	H	Н	H	Н	Н	H	Н	⊢	⊬	Н	
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	П	$^{+}$	П	П	7	T	7	$^{\dagger}$	+	$^{+}$	T	+	1	П	П	Т	Т	Т	Т	T	г	Т	Т	Т	T	T	T	Т	Т	Т	г	Т	Т	7	П	П	117
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		351	m			30	m			2	25	m				2	Un	n			1:	5n	1			1	0n	n			5	im				-	0

deflection and subsequent radius and boom angle change must be accounted for when at actual operation.

- 1. RKE450 was designed and manufactured by KOBELCO CRANES CO., LTD. in accordance with the Standard: ASME code B30.5, EN13000:2010.
- 2. The crane is classified as follows (ISO 4301-1, ISO 4301-2).

Class of utilization of cranes = U2

Normal load spectrum factor for cranes = Q2 Group classification of the crane as a whole= A1

- 3. The hoist winch mechanism is classified as follows (ISO 4301-1, ISO 4301-2).
- Class of utilization of cranes = T4

State of loading= L1

Group classification of the hoist mechanism as a whole= M3
Furthermore, KOBELCO CRANES CO., LTD. hereby confirms that the stability factor for the RKE450-3.1 EUR is 75% for stationary lifting and 66.6% for pick and carry.

Since the operating radius given in the chart includes allowances for laden boom deflection, the crane must always be operated on the basis of actual operating radius.

RKE450 is designed for lifting purpose only. Do not use and/or lift attachments which cause vibration or shock.

The machine may be damaged.

## Lifting capacity

## Stationary: Max.

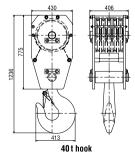
Operating radius 4.5 m

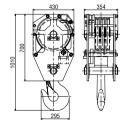
Swing area			360	
Boom length	m	7.90	10.51	13.12
Lifting capacity	ton	8.00	7.50	7.50

Pick & carry (under 2 km/h): Max. Operating radius: 3.0 m/Boom length: 7.90~13.12m

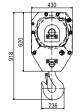
	,		
Swing area		Over fornt	Over rear
Lifting capacity	ton	12.00	15.50

### **Hook Blocks**

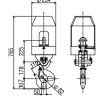


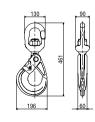


25 t hook





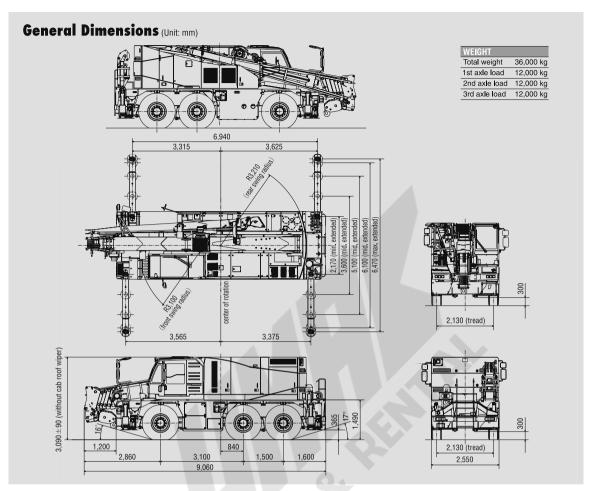




10 t hook

4t ball hook

Searcher hook



# SAFETY DEVICE

## Crane System

Deadman switch

Moment limiter (auto-stop) Overhoist prevention device (auto-stop) Swing automatic stop device Working range limit device Swing brake Swing lock device (front and rear) Interceptive lever lock for on and off Check & Safety Monitor Sling wire lock Hoist drum camera Overload state record Emergency directly connected cable

Over lowering prevention device (auto-stop)

### Travel System

Rear view camera Emergency steering pump ARS Rear steering auto-lock Suspension lock device Engine overrun warning device Reverse sound alarm Seat belt

# STANDARD EOUIPMENT

Spotlights 5 1

Hoist drum camera, rear view camera Reverse sound alarm

Hook block 25t (3-sheave)

Tacho-graph (analog)

Hydraulically retractable side-step for cabin Centralized greasing system

Air conditioner Hoist winch

Foot pedals (swing)

Outrigger control box (left and right side)

# OPTIONAL EOUIPMENT

Twist jib

Heavy duty jib 4.0t ball, 10.0 t, 25.0t, 40.0 t hook block

12.5t searcher hook

Outrigger spotlight

Engine pre-heater

Stainless steel muffler with spark arrester Stowage box

Spare wheel: 385/95 R25

Spare rim: 385/95 R25

One-way call

Radio antenna (on request)

Fire distinguisher (on request)

Yellow rotating beacon (on request)

Boom bumper (on request)

Optional equipment may vary by countries.

Note: This catalog may contain photographs of machines with specifications, attachments and optional equipment not certified for operation in your country. Please consult KOBELCO for those items you may require. Due to our policy of continual product improvements all designs and specifications are subject to change without advance notice.

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KOBELCO is the corporate mark used by Kobe Steel on a variety of products and in the names of a number of Kobe Steel Group companies.

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