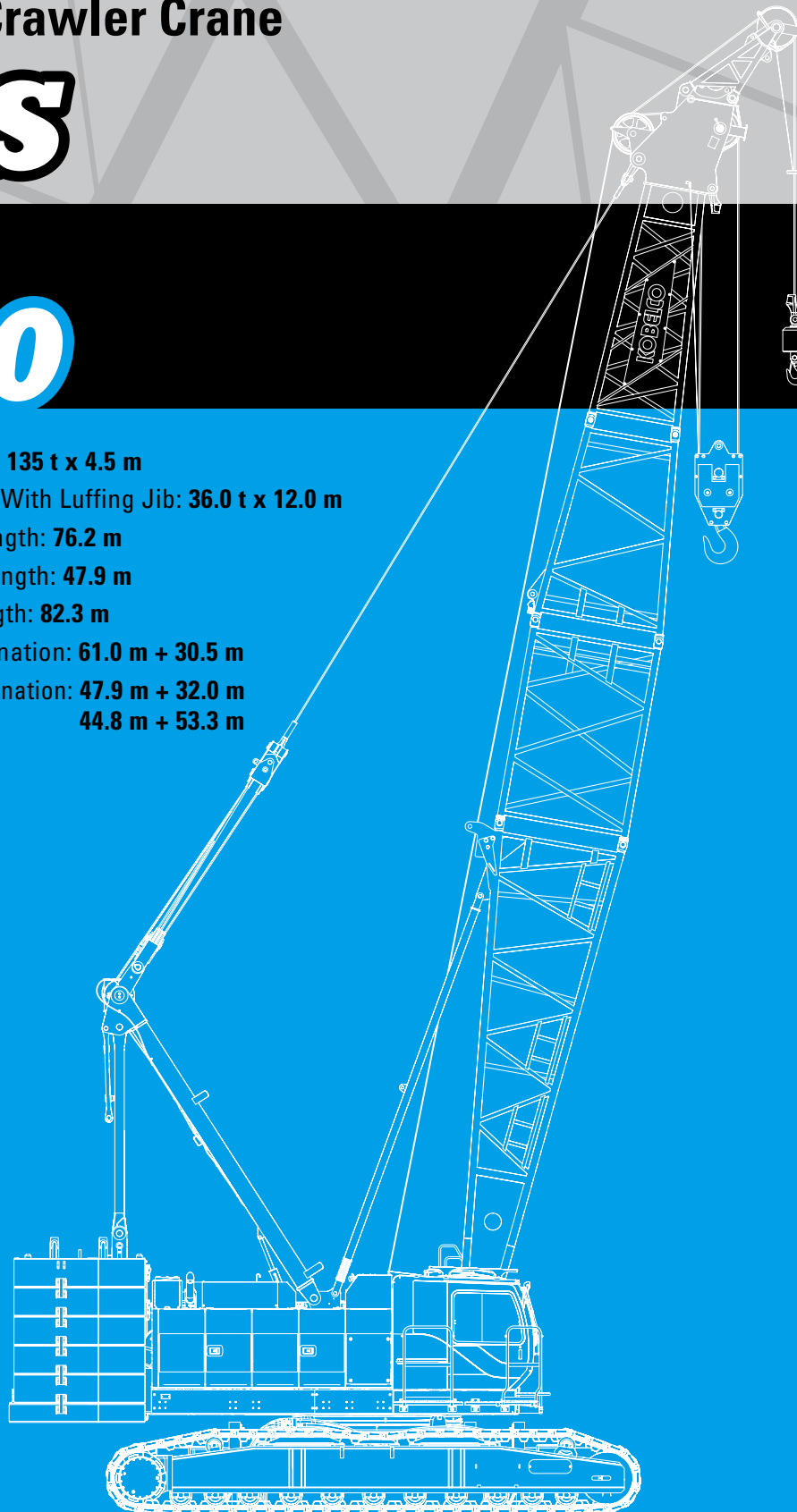


Hydraulic Crawler Crane

CKS

1350

- Max. Lifting Capacity: **135 t x 4.5 m**
- Max. Lifting Capacity With Luffing Jib: **36.0 t x 12.0 m**
- Max. Crane Boom Length: **76.2 m**
- Max. Luffing Boom Length: **47.9 m**
- Max. Long Boom Length: **82.3 m**
- Max. Fixed Jib Combination: **61.0 m + 30.5 m**
- Max. Luffing Jib Combination: **47.9 m + 32.0 m**
44.8 m + 53.3 m



Model : CKS1350

KOBELCO



Power Plant

Model: HINO P11C-VH
Type: 4 cycle, water-cooled, vertical in-line 6, direct injection, turbo-charger, intercooler
Displacement: 10,520 liters
Rated power: 271 kW/1,850 min⁻¹
Max. Torque: 1,470 N·m/1,400 min⁻¹
Cooling System: Water-cooled
Starter: 24V-6kW
Radiator: Corrugated type core, thermostatically controlled
Air cleaner: Dry type with replaceable paper element
Throttle: Twist grip type hand throttle, electrically actuated
Fuel filter: Replaceable paper element
Batteries: Two 12 V x 136 Ah/5HR capacity batteries, series connected
Fuel tank capacity: 400 liters



Hydraulic System

Main pumps: 4 variable displacement piston pumps
Control: Full-flow hydraulic control system for infinitely variable pressure to all winches, propel and swing. Controls respond instantly to the touch, delivering smooth function operation.
Cooling: Oil-to-air heat exchanger (plate-fin type)
Filtration: Full-flow and bypass type with replaceable element
Max. relief valve pressure:
Load hoist, boom hoist and propel system: 31.9 MPa
Swing system: 27.5 MPa
Control system: 5.4 MPa
Hydraulic Tank Capacity: 535 liters



Boom Hoisting System

Powered by a hydraulic motor through a planetary reducer.
Brake: A spring-set, hydraulically released multiple-disc brake is mounted on the boom hoist motor and operated through a counter-balance valve.
Drum Lock: External ratchet for locking drum
Drum: Single drum, grooved for 20 mm dia. wire rope
Line Speed: Single line on first drum layer
Hoisting/Lowering: 48 to 2 m/min
Boom hoisting/lowering: 20 mm x 190 m
Boom guy line: 30 mm
Boom backstops: Required for all boom length



Load Hoisting System

Front and rear drums for load hoist powered by a hydraulic variable plunger motors, driven through planetary reducers.
Negative Brake: A spring-set, hydraulically released multiple-disc brake is mounted on the hoist motor and operated through a counter-balance valve. (Positive free fall brake is optional)
Drum Lock: External ratchet for locking drum

Drums:

Front Drums:

666 mm P.C.D x 672 mm wide drum, grooved for 26 mm wire rope. Rope capacity is 275 m working length and 350 m storage length.

Rear Drum: 666 mm P.C.D x 672 mm, grooved for 26 mm wire rope. Rope capacity is 255 m working length and 350 m storage length.

Diameter of wire rope

Main winch: 26 mm x 275 m

Aux. winch: 26 mm x 255 m

Third winch: 26 mm x 240 m

Line Speed*:

Hoisting/lowering: 120 to 3 m/min

Line Pull:

Max. Line Pull*: 234 kN {23.8 tf}
 (Referential performance)

Rated Line Pull: 132 kN {13.5 tf}

*Single line on first drum layer.



Swing System

Swing unit is powered by hydraulic motor driving spur gears through planetary reducer, the swing system provides 360° rotation.

Swing parking brakes: A spring-set, hydraulically released multiple-disc brake is mounted on swing motor.

Swing circle: Single-row ball bearing with an integral internally cut swing gear.

Swing lock: Manually, four position lock for transportation

Swing Speed: 2.1 min⁻¹



Upper Structure

Torsion-free precision machined upper frame. All components are located clearly and service friendly. Engine will with low noise level.

Counterweight: 55.0 ton



Cab & Control

Totally enclosed, full vision cab with safety glass, fully adjustable, high backed seat with a headrest and armrests, and intermittent wiper and window washer (skylight and front window).

Cab fittings:

Air conditioner, convenient compartment (for tool), cup holder, cigarette lighter, sun visor, roof blind, tinted glass, floor mat, footrest, and shoe tray



Lower Structure

Steel-welded carbody with axles. Crawler assemblies are designed with quick disconnect feature for individual removal as a unit from axles. Crawler belt tension is maintained by hydraulic jack force on the track adjusting bearing block.

Carbody weight: 10.8 ton

Crawler drive: Independent hydraulic propel drive is built into each crawler side frame. Each drive consists of a hydraulic motor propelling a driving tumbler through a planetary gear box. Hydraulic motor and gear box are built into the crawler side frame within the shoe width.

Crawler brakes: Spring-set, hydraulically released parking brakes are built into each propel drive.

Steering mechanism: A hydraulic propel system provides both skid steering (driving one track only) and counter-rotating steering (driving each track in opposite directions).

Track rollers: Sealed track rollers for maintenance-free operation.

Shoe (flat): 910 mm wide each crawler

Max. gradeability: 30%



Attachment

Boom & Jib:

Welded lattice construction using tubular, high-tensile steel chords with pin connection between sections.

Boom and Jib length

	Min. Length (Min. combination)	Max. Length (Max. combination)
Crane Boom	15.2 m	76.2 m
Fixed Jib	24.4 m + 12.2 m	61.0 m + 30.5 m



Weight

Including upper and lower machine, 55.0 ton counterweight and 10.8 ton carbody weight, basic boom (or basic boom + basic jib), hook, and other accessories.

Weight: 136 ton

Ground pressure: 106 kPa

Main Specifications (Model: CKS1350)

Crane Boom	
Max. Lifting Capacity	135 t x 4.5 m
Max. Length	76.2 m
Fixed Jib	
Max. Lifting Capacity	26.8 t x 16.0 m
Max. Combination	61.0 m + 30.5 m
Long Boom	
Max. Lifting Capacity	44.3 t/10.6 m
Max. Length	82.3 m
Luffing Boom	
Max. Lifting Capacity	80 t/ 8.0 m
Max. Length	47.9 m
Luffing Jib	
Max. Jib Length	53.3 m
Max. Combination	44.8 m + 53.3 m, 47.9 m + 32.0 m
Main & Aux. Winch	
Max. Line Speed (1st layer)	120 m/min
Rated Line Pull (Single line)	132 kN {13.5 tf}
Wire Rope Diameter	26 mm
Wire Rope Length	275m (Main), 255 m (Aux.)
Brake Type (free fall)	Wet-type multiple disc brake (Optional)
Working Speed	
Swing Speed	2.1 min ⁻¹ {rpm}
Travel Speed	1.3/0.9 km/h

Power Plant	
Model	HINO P11C-VH
Engine Output	271 kW/1850 min ⁻¹
Fuel Tank	400 liters
Hydraulic System	
Main Pumps	4 variable displacement
Max. Pressure	31.9 MPa {325 kgf/cm ² }
Hydraulic Tank Capacity	535 liters
Self-Removal Device	
	counterweight/crawler self-removal device
Weight	
Operating Weight	136 t *1
Ground Pressure	106 kPa
Counterweight	55,000 kg
Transport Weight	32,430 kg *2

Units are SI units. { } indicates conventional units.

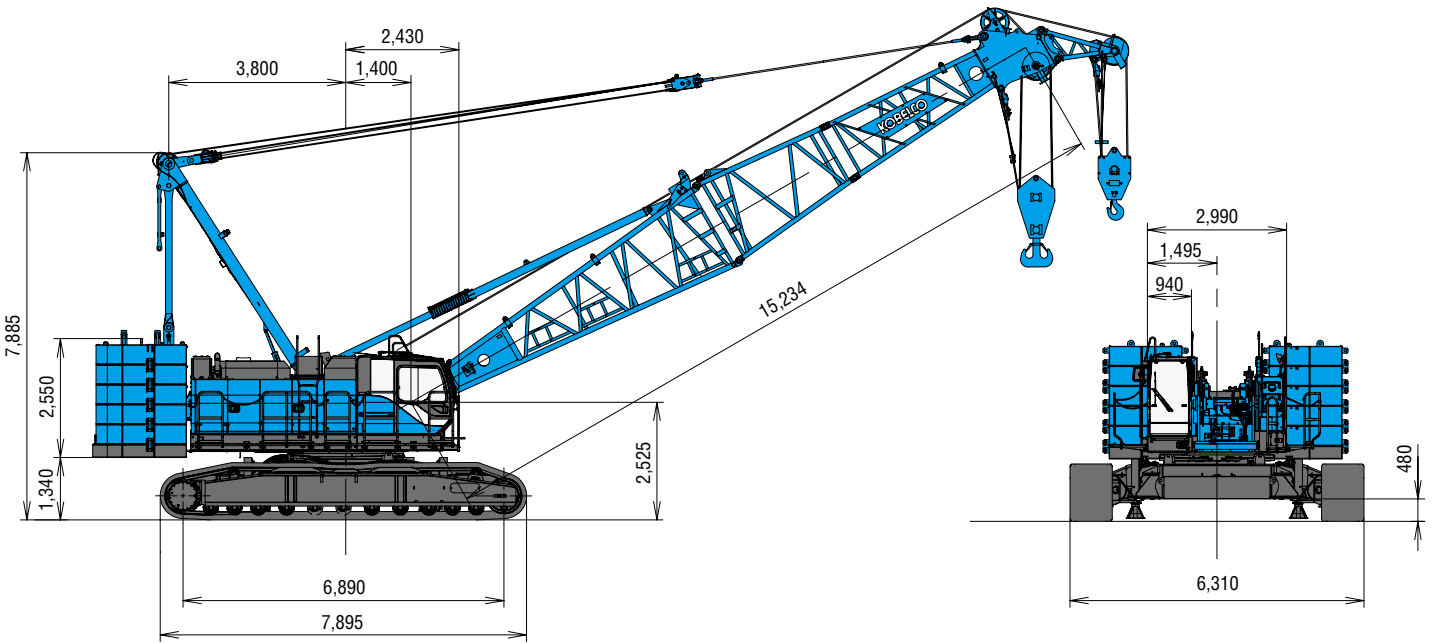
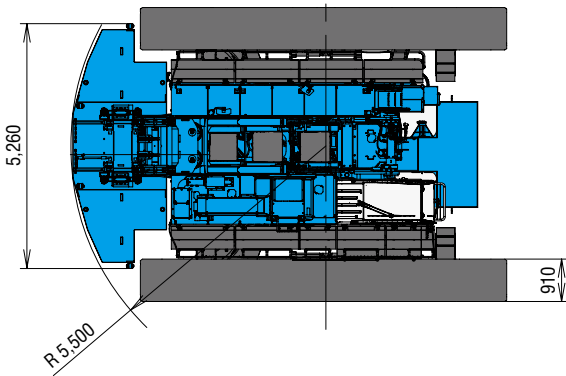
Line speeds in table are for light loads. Line speed varies with load.

*1 Including upper and lower machine, 55.0 ton counterweight, 10.8 ton carbody weight, basic boom, hook, and other accessories.

*2 Base Machine with gantry, wire ropes (front/rear/boom hoist)

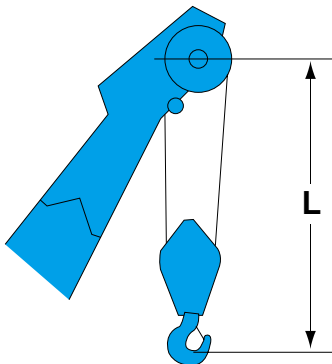
GENERAL DIMENSIONS

(Unit: mm)

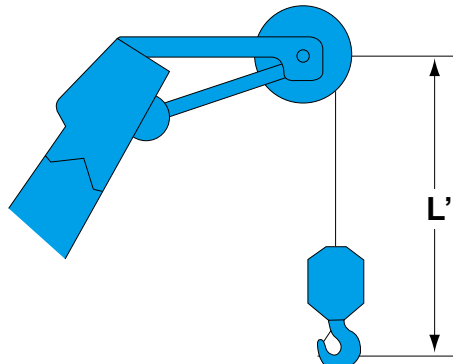


This catalog may contain photographs of machines with specifications, attachments and optional equipment.

Limit of Hook Lifting

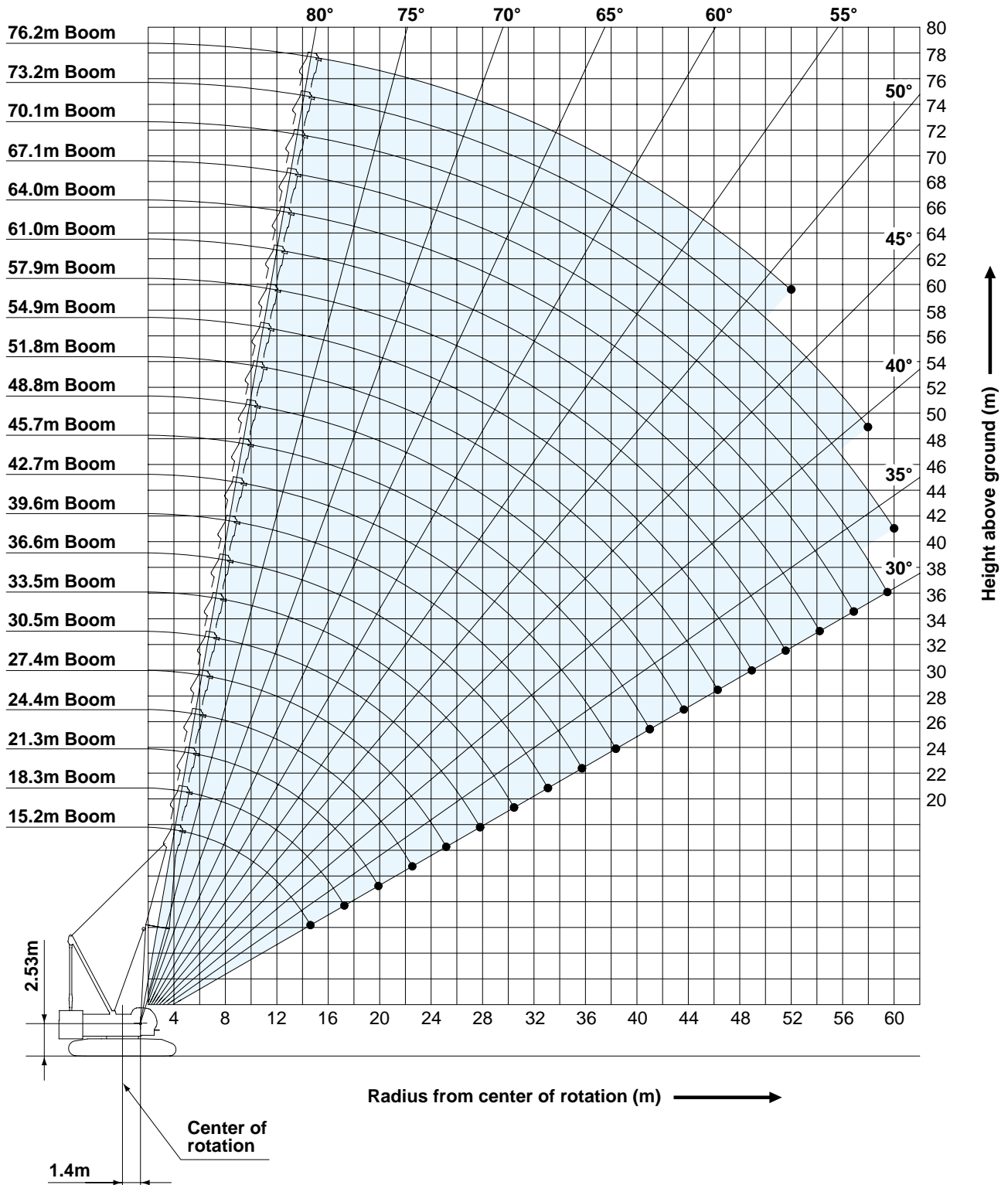


Hook	L
135 t hook	4.7 m
70 t hook	4.5 m
35 t hook	4.3 m

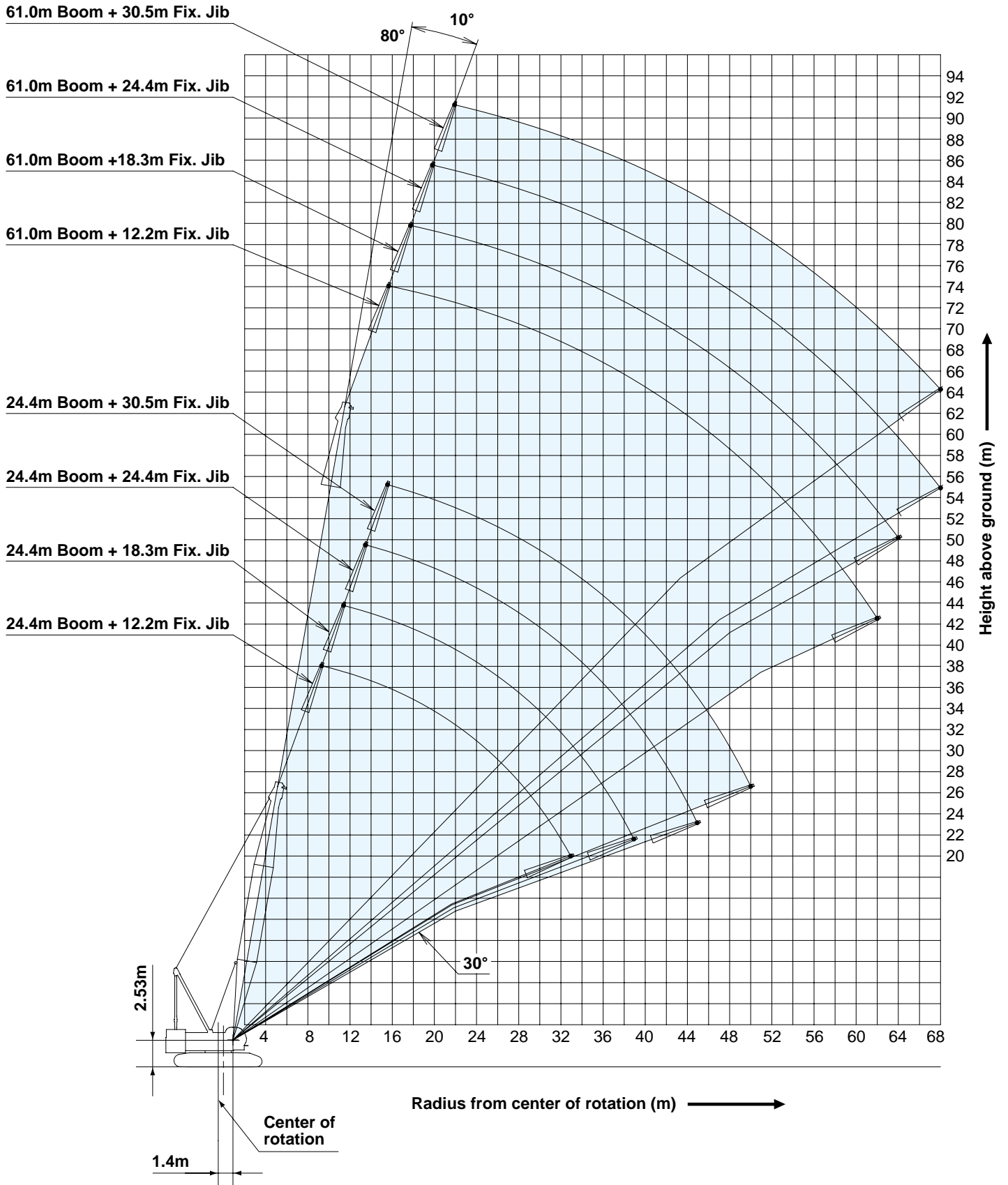


Hook	L'
35 t hook	3.7 m
Ball hook	3.4 m

Crane Boom

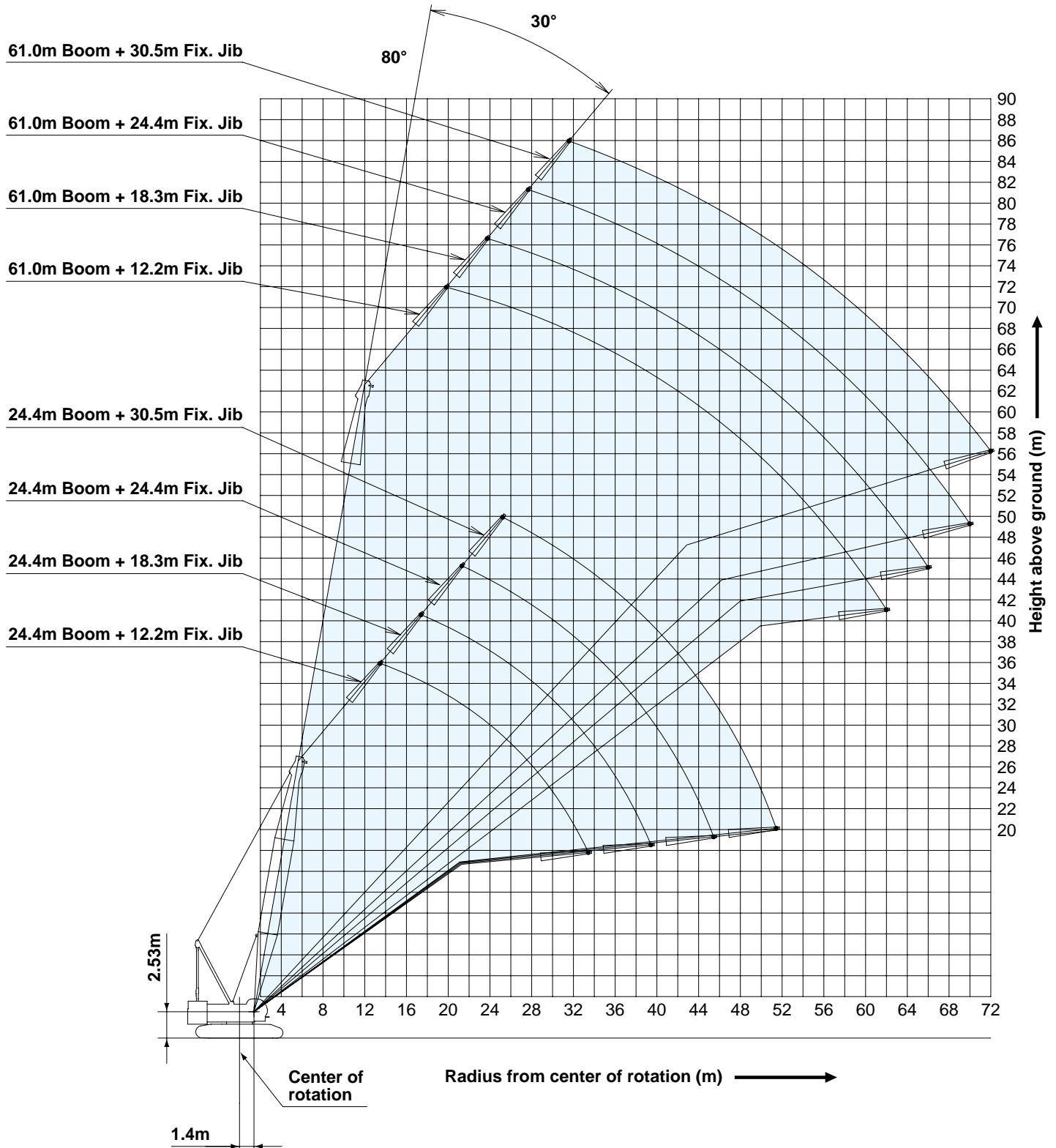


Fixed Jib 10°



WORKING RANGES

Fixed Jib 30°





Fixed Jib Lifting Capacities (Without Main Hook Block) (Jib Offset Angle : 10°)

Counterweight: 55.0 t
Carbody Weight: 10.8 t

Unit: metric ton

Boom length (m)	42.7				45.7				48.8				Boom length (m)
Jib length (m)	12.2	18.3	24.4	30.5	12.2	18.3	24.4	30.5	12.2	18.3	24.4	30.5	Jib length (m)
12.0	13.0m/26.8				13.6m/26.8								12.0
14.0	26.8	15.1m/19.2			26.8	15.7m/19.1			14.1m/26.8				14.0
16.0	26.8	19.1	17.5m/9.9		26.8	19.1			26.8	16.2m/19.2			16.0
18.0	26.0	18.8	9.8	19.6m/5.9	25.8	18.9	9.9		25.7	18.9	18.6m/9.9		18.0
20.0	22.5	18.4	9.7	5.9	22.4	18.6	9.7	20.1m/5.9	22.2	18.7	9.8	20.6m/5.9	20.0
22.0	19.8	18.0	9.5	5.7	19.6	18.1	9.6	5.8	19.5	18.3	9.6	5.8	22.0
24.0	17.6	17.6	9.4	5.6	17.4	17.6	9.4	5.7	17.2	17.5	9.5	5.7	24.0
26.0	15.7	16.0	9.1	5.5	15.5	15.8	9.3	5.5	15.4	15.7	9.3	5.6	26.0
28.0	14.2	14.4	8.8	5.2	14.0	14.2	9.0	5.3	13.8	14.1	9.1	5.4	28.0
30.0	12.9	13.1	8.5	5.0	12.7	12.9	8.7	5.1	12.5	12.8	8.8	5.2	30.0
32.0	11.7	11.9	8.2	4.8	11.5	11.7	8.4	4.9	11.4	11.6	8.5	5.0	32.0
34.0	10.7	10.9	8.0	4.7	10.5	10.7	8.1	4.7	10.4	10.6	8.3	4.8	34.0
36.0	9.9	10.1	7.8	4.5	9.7	9.9	7.9	4.6	9.5	9.7	8.1	4.7	36.0
38.0	9.1	9.3	7.6	4.3	8.9	9.1	7.7	4.4	8.7	8.9	7.8	4.5	38.0
40.0	8.4	8.6	7.4	4.2	8.2	8.4	7.5	4.3	8.0	8.2	7.6	4.4	40.0
42.0	7.8	8.0	7.2	4.1	7.6	7.8	7.3	4.2	7.4	7.6	7.4	4.2	42.0
44.0	7.2	7.4	7.0	3.9	7.0	7.2	7.1	4.0	6.9	7.1	7.3	4.1	44.0
46.0	6.7	6.9	6.8	3.8	6.5	6.7	7.0	3.9	6.4	6.6	6.8	4.0	46.0
48.0	5.9	6.5	6.7	3.7	5.9	6.2	6.5	3.8	5.9	6.1	6.4	3.9	48.0
50.0	5.2	6.0	6.3	3.6	5.3	5.8	6.1	3.7	5.3	5.7	5.9	3.8	50.0
52.0		5.4	5.9	3.5	4.6	5.3	5.7	3.6	4.7	5.2	5.5	3.7	52.0
54.0		4.9	5.5	3.4		4.8	5.3	3.5	4.1	4.8	5.2	3.6	54.0
56.0		4.3	5.1	3.3		4.3	5.0	3.4	3.5	4.3	4.8	3.5	56.0
58.0			4.6	3.3		3.7	4.5	3.3		3.8	4.5	3.4	58.0
60.0			4.1	3.2			4.1	3.3		3.3	4.0	3.3	60.0
62.0				3.1			3.6	3.2			3.6	3.3	62.0
64.0				3.1			3.2	3.1			3.2	3.2	64.0
66.0				3.0				3.1			2.8	3.1	66.0
68.0								2.9				2.9	68.0
70.0								2.5				2.5	70.0
72.0												2.1	72.0
Reeves	2	2	1	1	2	2	1	1	2	2	1	1	Reeves

Boom length (m)	51.8				54.9				57.9				Boom length (m)
Jib length (m)	12.2	18.3	24.4	30.5	12.2	18.3	24.4	30.5	12.2	18.3	24.4	30.5	Jib length (m)
14.0	14.6m/26.8				15.2m/26.8				15.7m/24.0				14.0
16.0	26.8	16.7m/19.1			26.8	17.2m/19.1			24.0	17.8m/19.1			16.0
18.0	25.6	19.0	19.1m/9.9		25.4	19.0	19.6m/9.8		23.5	19.1			18.0
20.0	22.1	18.8	9.8	21.2m/5.9	21.9	18.8	9.8	21.7m/5.9	21.7	18.9	20.1m/9.9		20.0
22.0	19.3	18.4	9.6	5.8	19.1	18.6	9.7	5.9	19.0	18.7	9.7	22.2m/5.9	22.0
24.0	17.1	17.4	9.5	5.7	16.9	17.2	9.6	5.8	16.7	17.0	9.6	5.8	24.0
26.0	15.2	15.5	9.4	5.6	15.0	15.3	9.4	5.6	14.9	15.2	9.5	5.7	26.0
28.0	13.7	13.9	9.2	5.5	13.5	13.8	9.3	5.5	13.3	13.6	9.3	5.6	28.0
30.0	12.4	12.6	8.9	5.3	12.2	12.4	9.1	5.4	12.0	12.2	9.2	5.5	30.0
32.0	11.2	11.5	8.7	5.1	11.0	11.3	8.8	5.2	10.8	11.1	8.9	5.3	32.0
34.0	10.2	10.4	8.4	4.9	10.0	10.3	8.6	5.0	9.8	10.1	8.7	5.1	34.0
36.0	9.3	9.6	8.2	4.8	9.1	9.4	8.3	4.8	9.0	9.2	8.5	4.9	36.0
38.0	8.6	8.8	8.0	4.6	8.4	8.6	8.1	4.7	8.2	8.4	8.2	4.8	38.0
40.0	7.9	8.1	7.8	4.5	7.7	7.9	7.9	4.5	7.5	7.7	8.0	4.6	40.0
42.0	7.3	7.5	7.6	4.3	7.0	7.3	7.6	4.4	6.9	7.1	7.4	4.5	42.0
44.0	6.7	6.9	7.2	4.2	6.5	6.7	7.0	4.3	6.3	6.5	6.8	4.4	44.0
46.0	6.2	6.4	6.7	4.1	6.0	6.2	6.5	4.2	5.8	6.0	6.3	4.2	46.0
48.0	5.7	5.9	6.2	4.0	5.5	5.7	6.0	4.0	5.3	5.5	5.8	4.1	48.0
50.0	5.2	5.5	5.8	3.9	5.0	5.3	5.6	3.9	4.8	5.1	5.4	4.0	50.0
52.0	4.7	5.1	5.4	3.8	4.5	4.8	5.2	3.8	4.3	4.6	5.0	3.9	52.0
54.0	4.1	4.6	5.0	3.7	4.0	4.4	4.8	3.7	3.8	4.2	4.7	3.8	54.0
56.0	3.6	4.2	4.7	3.6	3.5	4.0	4.5	3.7	3.4	3.8	4.3	3.7	56.0
58.0	3.1	3.7	4.3	3.5	3.0	3.5	4.1	3.6	2.9	3.4	3.9	3.6	58.0
60.0		3.3	3.9	3.4	2.6	3.1	3.7	3.5	2.5	3.0	3.5	3.6	60.0
62.0		2.9	3.5	3.3		2.7	3.3	3.4	2.1	2.6	3.2	3.3	62.0
64.0		2.4	3.1	3.3		2.4	3.0	3.2		2.3	2.8	3.0	64.0
66.0			2.8	3.1			2.6	2.9			2.5	2.7	66.0
68.0			2.4	2.8			2.3	2.6			2.2	2.4	68.0
70.0				2.4				2.3				2.1	70.0
Reeves	2	2	1	1	2	2	1	1	2	2	1	1	Reeves

Note: Ratings according to EN13000.

Ratings shown in are determined by the strength of the boom or other structural components.

12.2 m jib length with offset angle 10 degrees, one part of line on hook is not allowed to use.

Lifting capacities may vary depending on hook used or with/without auxiliary sheave.

Please refer rated chart in operator's cabin.

LIFTING CAPACITIES



Fixed Jib Lifting Capacities (Without Main Hook Block) (Jib Offset Angle : 30°)

Counterweight: 55.0 t
Carbody Weight: 10.8 t

Unit: metric ton

Boom length (m)		42.7				45.7				48.8				Boom length (m)
Jib length (m)		12.2	18.3	24.4	30.5	12.2	18.3	24.4	30.5	12.2	18.3	24.4	30.5	Jib length (m)
Working radius (m)	16.0	16.7m/18.2				17.2m/18.2				17.8m/18.1				16.0
	18.0	17.5				17.8				18.1				18.0
	20.0	16.6	20.6m/12.5			16.9	21.2m/12.5			17.2	21.7m/12.5			20.0
	22.0	15.8	12.0			16.1	12.2			16.4	12.4			22.0
	24.0	15.1	11.4	24.5m/7.5		15.4	11.6	25.1m/7.5		15.7	11.8	25.6m/7.6		24.0
	26.0	14.4	10.8	7.4		14.7	11.0	7.4		15.0	11.2	7.5		26.0
	28.0	13.8	10.3	7.2	28.5m/4.0	14.2	10.5	7.3	29.0m/4.1	14.3	10.7	7.3	29.5m/4.0	28.0
	30.0	13.2	9.9	7.0	3.9	13.0	10.1	7.1	4.0	12.9	10.3	7.2	4.0	30.0
	32.0	12.0	9.5	6.9	3.8	11.9	9.7	7.0	3.9	11.7	9.9	7.0	3.9	32.0
	34.0	11.0	9.1	6.8	3.7	10.8	9.3	6.8	3.8	10.7	9.5	6.9	3.8	34.0
	36.0	10.1	8.8	6.6	3.6	9.9	9.0	6.7	3.7	9.8	9.2	6.7	3.7	36.0
	38.0	9.3	8.5	6.3	3.6	9.1	8.7	6.5	3.6	9.0	8.9	6.6	3.6	38.0
	40.0	8.6	8.2	6.1	3.5	8.4	8.4	6.3	3.5	8.3	8.6	6.4	3.5	40.0
	42.0	8.0	8.0	5.9	3.4	7.8	8.2	6.1	3.4	7.6	8.1	6.2	3.5	42.0
	44.0	7.4	7.7	5.7	3.3	7.2	7.6	5.9	3.4	7.1	7.5	6.0	3.4	44.0
	46.0	6.9	7.2	5.6	3.3	6.7	7.1	5.7	3.3	6.5	6.9	5.8	3.3	46.0
	48.0	6.2	6.7	5.4	3.2	6.2	6.6	5.5	3.2	6.0	6.4	5.6	3.3	48.0
	50.0	5.4	6.3	5.3	3.1	5.5	6.1	5.4	3.2	5.5	6.0	5.5	3.2	50.0
	52.0		5.9	5.1	3.1	4.8	5.7	5.3	3.1	4.9	5.6	5.4	3.2	52.0
	54.0		5.4	5.0	3.0		5.3	5.1	3.1	4.3	5.2	5.2	3.1	54.0
	56.0		4.7	4.9	3.0		4.8	5.0	3.0	3.7	4.8	5.1	3.1	56.0
58.0			4.8	3.0		4.2	4.9	3.0		4.3	4.7	3.0	58.0	
60.0			4.5	2.9			4.5	3.0		3.7	4.4	3.0	60.0	
62.0			4.0	2.9			4.0	2.9		3.2	4.0	3.0	62.0	
64.0				2.9			3.5	2.9			3.6	2.9	64.0	
66.0				2.9			3.0	2.9			3.1	2.9	66.0	
68.0				2.9				2.9			2.6	2.9	68.0	
70.0								2.9				2.9	70.0	
72.0												2.5	72.0	
74.0												2.1	74.0	
Reeves	2	1	1	1	2	1	1	1	2	1	1	1	Reeves	

Boom length (m)		51.8				54.9				57.9				Boom length (m)
Jib length (m)		12.2	18.3	24.4	30.5	12.2	18.3	24.4	30.5	12.2	18.3	24.4	30.5	Jib length (m)
Working radius (m)	18.0	18.3m/18.2				18.8m/18.2				19.4m/18.1				18.0
	20.0	17.4				17.7				17.9				20.0
	22.0	16.7	22.2m/12.5			16.9	22.7m/12.5			17.1	23.3m/12.5			22.0
	24.0	15.9	11.9			16.2	12.1			16.4	12.3			24.0
	26.0	15.3	11.4	26.1m/7.5		15.6	11.6	26.7m/7.5		15.5	11.7	27.2m/7.5		26.0
	28.0	14.2	10.9	7.3		14.0	11.1	7.4		13.9	11.3	7.4		28.0
	30.0	12.8	10.5	7.2	30.1m/4.0	12.6	10.7	7.2	30.6m/4.1	12.5	10.8	7.3	31.1m/4.0	30.0
	32.0	11.6	10.1	7.1	3.9	11.4	10.3	7.1	4.0	11.3	10.4	7.1	4.0	32.0
	34.0	10.6	9.7	6.9	3.8	10.4	9.9	7.0	3.9	10.2	10.1	7.0	3.9	34.0
	36.0	9.7	9.4	6.8	3.7	9.5	9.6	6.8	3.8	9.3	9.7	6.9	3.8	36.0
	38.0	8.9	9.1	6.7	3.7	8.7	9.2	6.7	3.7	8.5	9.1	6.8	3.7	38.0
	40.0	8.1	8.6	6.5	3.6	8.0	8.5	6.6	3.6	7.8	8.3	6.7	3.6	40.0
	42.0	7.5	8.0	6.3	3.5	7.3	7.8	6.4	3.5	7.1	7.7	6.5	3.6	42.0
	44.0	6.9	7.4	6.1	3.4	6.7	7.2	6.2	3.5	6.6	7.1	6.3	3.5	44.0
	46.0	6.4	6.8	5.9	3.4	6.2	6.6	6.0	3.4	6.0	6.5	6.1	3.4	46.0
	48.0	5.9	6.3	5.8	3.3	5.7	6.1	5.9	3.3	5.6	6.0	6.0	3.4	48.0
	50.0	5.5	5.9	5.6	3.2	5.3	5.7	5.7	3.3	5.1	5.6	5.8	3.3	50.0
	52.0	4.9	5.4	5.5	3.2	4.7	5.3	5.6	3.2	4.6	5.1	5.4	3.2	52.0
	54.0	4.4	5.1	5.3	3.1	4.2	4.9	5.2	3.2	4.1	4.7	5.0	3.2	54.0
	56.0	3.8	4.7	5.0	3.1	3.7	4.5	4.8	3.1	3.6	4.4	4.7	3.2	56.0
	58.0	3.3	4.2	4.6	3.1	3.2	4.1	4.5	3.1	3.2	3.9	4.3	3.1	58.0
60.0		3.8	4.3	3.0	2.7	3.6	4.1	3.0	2.7	3.5	4.0	3.1	60.0	
62.0		3.3	3.9	3.0		3.2	3.7	3.0	2.3	3.1	3.6	3.0	62.0	
64.0		2.8	3.5	2.9		2.8	3.4	3.0		2.7	3.2	3.0	64.0	
66.0			3.1	2.9		2.3	3.0	2.9		2.3	2.9	3.0	66.0	
68.0			2.7	2.9			2.6	2.9			2.5	2.9	68.0	
70.0			2.3	2.9			2.2	2.7			2.2	2.6	70.0	
72.0				2.5				2.4				2.3	72.0	
74.0				2.2				2.1					74.0	
Reeves	2	1	1	1	2	1	1	1	2	1	1	1	Reeves	

Note: Ratings according to EN13000.

Ratings shown in are determined by the strength of the boom or other structural components.

Lifting capacities may vary depending on hook used or with/without auxiliary sheave.

Please refer rated chart in operator's cabin.

LIFTING CAPACITIES



Long Boom Lifting Capacities

Counterweight: 55.0 t

Carbody Weight: 10.8 t

Unit: metric ton

Working radius (m) \ Boom length (m)	51.8	54.9	57.9	61.0	64.0	67.1	70.1	73.2	76.2	79.2	82.3	Boom length (m) \ Working radius (m)
10.0	10.6m/44.3	11.2m/40.5	11.7m/38.2									10.0
12.0	41.6	40.1	37.8	12.2m/35.3	12.7m/33.5	13.3m/27.0	13.8m/26.0					12.0
14.0	36.1	36.0	35.5	33.4	32.4	27.0	25.8	14.3m/22.3	14.9m/19.4	15.4m/17.0	15.9m/15.0	14.0
16.0	30.1	30.0	29.8	29.7	29.6	27.0	23.7	20.8	18.5	16.6	14.9	16.0
18.0	25.6	25.6	25.4	25.2	25.1	25.2	22.0	19.2	17.1	15.3	13.7	18.0
20.0	22.2	22.2	22.0	21.8	21.7	21.8	20.5	17.9	15.9	14.2	12.7	20.0
22.0	19.5	19.5	19.3	19.1	19.0	19.1	19.0	16.8	14.9	13.3	11.9	22.0
24.0	17.4	17.3	17.1	16.9	16.8	16.9	16.8	15.8	14.0	12.5	11.1	24.0
26.0	15.6	15.5	15.3	15.1	15.0	15.1	15.0	14.9	13.2	11.8	10.5	26.0
28.0	14.1	14.0	13.8	13.6	13.5	13.6	13.5	13.4	12.5	11.1	9.9	28.0
30.0	12.8	12.7	12.5	12.3	12.2	12.3	12.2	12.1	11.9	10.6	9.5	30.0
32.0	11.7	11.6	11.4	11.2	11.1	11.2	11.0	11.0	10.9	10.1	9.0	32.0
34.0	10.7	10.6	10.4	10.2	10.1	10.2	10.1	10.0	10.0	9.7	8.6	34.0
36.0	9.8	9.8	9.6	9.4	9.2	9.3	9.2	9.2	9.1	9.0	8.3	36.0
38.0	9.1	9.0	8.8	8.6	8.5	8.6	8.4	8.4	8.3	8.2	8.0	38.0
40.0	8.4	8.3	8.1	7.9	7.8	7.9	7.8	7.7	7.7	7.5	7.5	40.0
42.0	7.8	7.7	7.5	7.3	7.2	7.3	7.2	7.1	7.0	6.9	6.9	42.0
44.0	7.3	7.2	7.0	6.8	6.7	6.7	6.6	6.6	6.5	6.4	6.3	44.0
46.0	6.8	6.7	6.5	6.3	6.2	6.2	6.1	6.1	6.0	5.9	5.8	46.0
48.0	46.4m/6.8	6.3	6.1	5.9	5.7	5.8	5.7	5.6	5.5	5.4	5.4	48.0
50.0		49.1m/6.1	5.7	5.5	5.3	5.4	5.2	5.2	5.1	5.0	4.9	50.0
52.0			51.7m/5.4	5.1	5.0	5.0	4.9	4.8	4.7	4.6	4.5	52.0
54.0				4.8	4.6	4.6	4.5	4.4	4.4	4.2	4.1	54.0
56.0				54.4m/4.7	4.3	4.3	4.2	4.1	4.0	3.9	3.8	56.0
58.0					56.9m/4.1	4.0	3.8	3.8	3.7	3.5	3.4	58.0
60.0						59.6m/3.8	3.5	3.5	3.4	3.2	3.1	60.0
62.0							3.3	3.2	3.1	3.0	2.9	62.0
64.0							62.2m/3.2	2.9	2.9	2.7	2.6	64.0
66.0								64.9m/2.8	2.6	2.5	2.4	66.0
68.0									67.5m/2.4	2.2	2.1	68.0
70.0										2.0		70.0
72.0										70.1m/2.0		72.0
Reeves	4	3	3	3	3	2	2	2	2	2	2	Reeves

Note: Ratings according to EN13000.

Ratings shown in are determined by the strength of the boom or other structural components.

Lifting capacities may vary depending on hook used or with/without auxiliary sheave.

Please refer rated chart in operator's cabin.

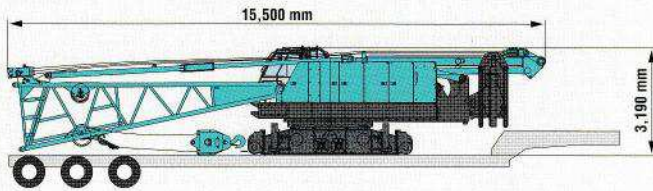
To ensure safe assembly and increase actual working hours

Excellent Transportability and Assembly

Base Machine Width of 3.2 m Designed for Easier Transport

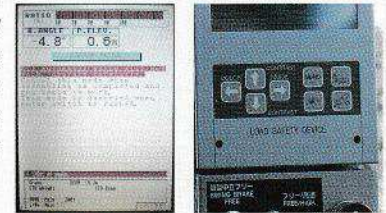
With a base machine width of just 3.2 m, the CKE1350 is designed for easy transport. Total transportation weight (including boom base, gantry and carbody) is 39.7 tons, complying with transport regulations in Europe and helping to reduce the number of trailers required.

Transport width: 3.2 m Transport weight: 39.7 tons



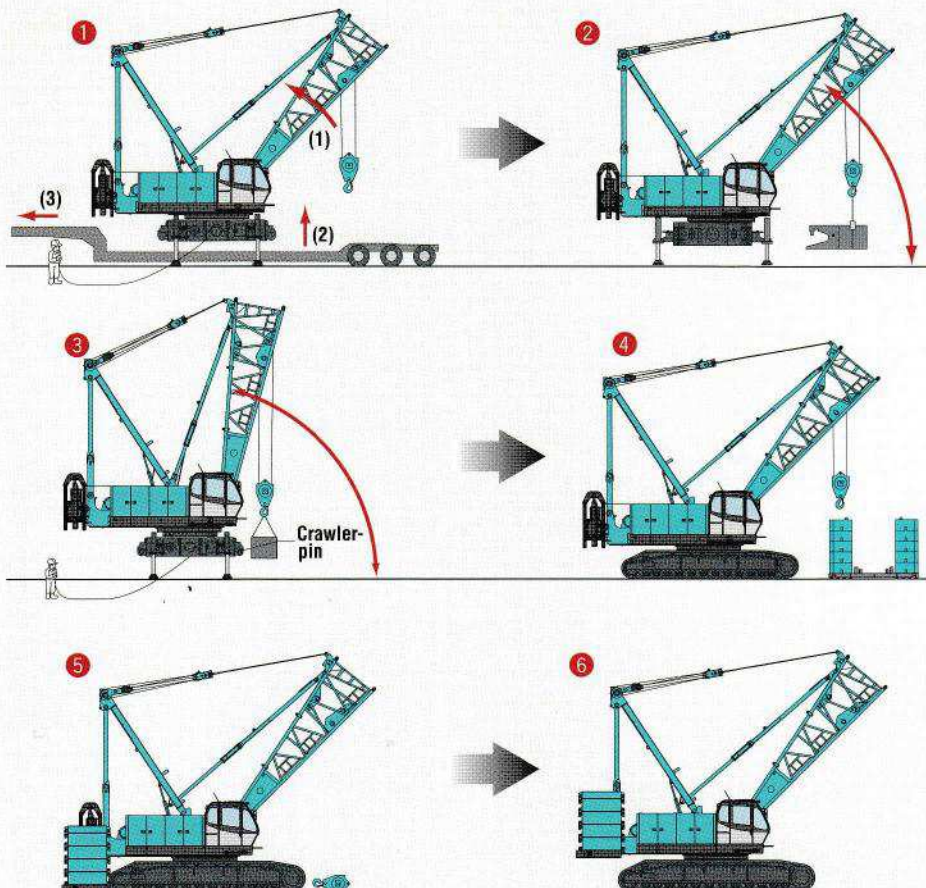
Boom Assembly/Disassembly Mode

The boom assembly/disassembly mode, which is used to release the over-hoist prevention function to facilitate boom assembly and disassembly, is activated with a switch located under the multi-function LCD display of the load moment indicator (LMI). (This switch is different from the switch that releases the auto-stop functions for over-load and hook over-hoist.) When the boom is lifted to a certain angle, it is automatically deactivated and the LMI function is automatically re-engaged to ensure that the boom assembly/disassembly function is used only when needed.



Self-Removal Device

Use the built-in, remote controlled trans-lifter (jack system) to lift the CKE1350 clear of the trailer, then drive the trailer away. Hydraulic cylinders raise the gantry to working position. The boom base is reeved with a hook block and is used to lift and attach the front and rear carbody counterweights, the rear counterweight assembly is raised into position by another hydraulic cylinder.



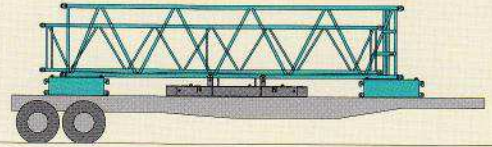
Saving Storage and Transport Costs through the Common Use of Boom and Jib

The CKE1350 features an innovative boom design to enhance lifting performance. The common use of the boom and jib reduces labor when changing configurations and saves storage and transport costs.

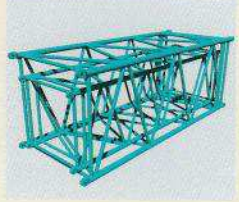


Faster Attachment Transport and Assembly

A variety of new mechanisms greatly reduce the time needed to assemble attachments. This results in lower labor and assist-crane costs, and greater productivity on the job.



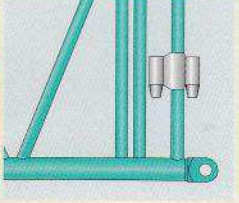
Attachment Transport Streamlined in Four Big Ways



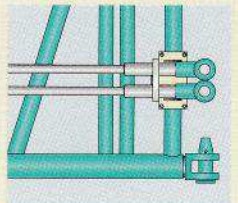
1 Nested Booms Improve Transport Efficiency
The luffing insert jib can be easily nested in the insert boom by using the optional stowing guide rollers. This reduces the number of trailers needed for transport and helps to minimize required storage space.



3 Symmetrical Counterweights
Symmetrical counterweights ensure a low transport height when loaded on a trailer with the boom, and make transport planning easier.



2 Boom Connector Pin Holder (Optional)
The boom connector pin holder prevents the loss of boom connector pins during assembly/disassembly and transportation.



4 Guy Cable Stowing Bracket (Optional)
The stowing bracket makes securely tighten the guy cables on the boom inserts for transportation. This also ensures that the guy cables are correctly installed during assembly.

