

KOBELCO

CK3300G-2

Hydraulic Crawler Crane

Max. Lifting Capacity - Crane : 330 US Tons

Max. Crane Boom Length : 295 ft

Max. Fixed Jib Combination : 256 ft + 100 ft

Heavy Fixed Jib Combination : 236 ft + 98 ft

Max. Lifting Capacity - Luffing : 132 US tons

Max. Luffing Boom Length : 197 ft

Max. Luffing Jib Length : 217 ft

Standard Specification



CK3300G-2

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General Description

Type :

Standard Crane

[220,500 lbs (100,000 kg) counterweight and 88,200 lbs (40,000 kg) carbody weight]

Maximum lift capacity	661,300 lbs @ 18.1' operating radius (78' boom)
Basic boom length	78' (24 m)
Maximum boom length	78' (24 m)

Standard Crane

[264,600 lbs (120,000 kg) counterweight and 88,200 lbs (40,000 kg) carbody weight]

Maximum lift capacity	542,300 lbs @ 22' operating radius (118' boom)
Basic boom length	78' (24 m)
Maximum boom length	276' (84 m)

Standard Crane

[308,600 lbs (140,000 kg) counterweight and 88,200 lbs (40,000 kg) carbody weight]

Maximum lift capacity	403,800 lbs @ 29.6' operating radius (177' boom)
Basic boom length	78' (24 m)
Maximum boom length	295' (90 m)

Standard Crane

[352,700 lbs (160,000 kg) counterweight and 88,200 lbs (40,000 kg) carbody weight]

Maximum lift capacity	321,400 lbs @ 33.8' operating radius (236' boom)
Basic boom length	78' (24 m)
Maximum boom length	295' (90 m)

Standard Fixed jib

[308,600 lbs (140,000 kg) counterweight and 88,200 lbs (40,000 kg) carbody weight]

Maximum lift capacity	58,600 lbs @ 40.7' operating radius (197' boom + 40' jib)
Basic boom & jib length	98' + 40' (30 m + 12.2 m)
Maximum boom & jib length	256' + 100' (78 m + 30.5 m)

Standard Heavy Fixed jib

[308,600 lbs (140,000 kg) counterweight and 88,200 lbs (40,000 kg) carbody weight]

Maximum lift capacity	88,200 lbs @ 72.2' operating radius (236' boom + 98' heavy jib)
Boom & jib length (one kind)	236' + 98' (72 m + 30 m)

Standard Luffing jib

[308,600 lbs (140,000 kg) counterweight and 88,200 lbs (40,000 kg) carbody weight]

Maximum lift capacity	260,200 lbs @ 44' operating radius (157' boom + 98' jib)
Basic boom & jib length	98' + 78' (30 m + 24 m)
Maximum boom & jib length	197' + 217' (60 m + 66 m)

Working weight*¹ Approx. 721,075 lbs (327,075 kg)

Ground bearing pressure*¹ Approx. 19.9 psi (137 kPa)

Grade ability*¹ 20% (11.3 deg.)

*1 Including base machine, counterweights : 308,700 lbs (140,000 kg), carbody weights : 88,200 lbs (40,000 kg), counterweight self removal device, 78' (24 m) standard boom and 386 US ton hook block.

CK3300G-2 SPECIFICATIONS

General Dimensions

Height to top of cab	12' 7" (3,830 mm)
Width of upper machine with operator's cab	Working : 15' 5" (4,700 mm) Transportation : 9' 10" (2,990 mm)
Radius of rear end (counterweights)	23' 11" (7,300 mm)
Counterweight ground clearance	5' 2" (1,565 mm)
Center of rotation to boom foot pin	5' 11" (1,800 mm)
Height from ground to boom foot pin	9' 1" (2,780 mm)
Overall length of crawlers	32' 10" (10,000 mm)
Overall width of crawlers (w / standard shoe)	26' 7" (8,110 mm)
(w / narrow shoe)	26' 3" (8,000 mm)
Center to center of tumblers	28' 10" (8,795 mm)
Shoe width (w / standard shoe)	52" (1,330 mm)
(w / narrow shoe)	48" (1,220 mm)
Ground clearance of carbody	21" (530 mm)

Working Speed

Load hoist line speed (H1 and H2 winch without free fall function)	377.3 ~ 9.8 ft/min (115 ~ 3 m/min)
Load lowering line speed (H1 and H2 winch without free fall function)	377.3 ~ 9.8 ft/min (115 ~ 3 m/min)
Standard boom hoist line speed (W1 winch)	98.4 ~ 6.6 ft/min (30 ~ 2 m/min)
Standard boom lowering line speed (W1 winch)	98.4 ~ 6.6 ft/min (30 ~ 2 m/min)
Luffing jib hoist line speed (W2 winch)	95.1 ~ 6.6 ft/min (29 ~ 2 m/min)
Luffing jib lowering line speed (W2 winch)	95.1 ~ 6.6 ft/min (29 ~ 2 m/min)
Swing speed (max.)	1.7 rpm (1.7 min ⁻¹)
Travel speed (high/low)	0.62 / 0.37 mph (1.0 / 0.6 km/h)

Line speed based on single line, no load, and first layer of rope on the drum.

Upper Machinery

Power Plant :

Diesel engine - make and model	SCANIA DC13 084A (Complies with "US Tier4 Final and EU Stage IV")
No. of cylinders	6 cylinders
Bore × stroke	5-1/16" × 6-5/16" (130 mm × 160 mm)
Cycles	4 cycles
Total displacement	775 cu.in. (12.7 L)
Rated output SAE GROSS	450 HP / 2,100 rpm (331 kW / 2,100 min ⁻¹)
Maximum torque	1,663 lbf·ft / 1,300 rpm (2,255 N·m / 1,300 min ⁻¹)
Starter	24 Volts / 6.0 kW
Alternator	24 Volts / 150 Amp
Batteries	Two 12 volt, 136 AH/5 HR capacity series connected.
Radiator	Corrugated type core, thermostatically controlled.
Throttle	Twist grip type hand throttle, electrically actuated, in conjunction with floor mounted pedal.
Air cleaner	Dry type with replaceable paper element.
Fuel tank capacity	158.5 US gal. (600 L)
Lube oil filters	Full flow and by-pass type with replaceable paper element type.
Fuel filter	Replaceable paper element with water separator.

Hydraulic pumps :

Load hoist (H1) and propel (R)	2 piston type pumps, max. flow rate 69.7 US gal / min × 2 (263.9 ℓ / min × 2)
Load hoist (H2) and propel (L)	2 piston type pumps, max. flow rate 69.7 US gal / min × 2 (263.9 ℓ / min × 2)
Boom and Jib hoist (W1 / W2)	2 piston type pump, max. flow rate 92.0 US gal/min (348.5 ℓ/min)
Boom and jib hoist (W1 / W2) acceleration	1 piston type pump, max. flow rate 71.5 US gal/min (271.0 ℓ/min)
Swing	1 piston type pump, max. flow rate 92.0 US gal/min (348.5 ℓ/min)
Control system and auxiliary	2 gear type pumps, max. flow rate 16.8 + 11.1 US gal/min (63.8 + 42.0 ℓ/min)
Brake cooling system (optional for free fall winch)	1 gear type pump, max. flow rate 16.9 US gal/min × 2 (64.3 ℓ/min × 2)

STANDARD CONFIGURATION SPECIFICATIONS

Counterweight and Carbody weight :

Counterweight Base	44,095 lbs (20,000 kg)×1
Counterweight (R)	22,050 lbs (10,000 kg)×6 11,025 lbs (5,000 kg)×2
Counterweight (L)	22,050 lbs (10,000 kg)×6 11,025 lbs (5,000 kg)×2
Total Counterweight	352,795 lbs (160,000 kg)

Carbody weight A	38,695 lbs (17,550 kg)×2
Carbody weight B*	6,115 lbs (2,775 kg)×2
Total Carbody weight*	89,620 lbs (40,650 kg)

*Including the weight of platform

Electric system :

All wiring color coded for easy servicing, individual fused branch circuits.

Hydraulic system :

Maximum pressure rating
4,641 psi (31.9 MPa)

Cooling
Oil to air heat exchanger

Filtration
Full flow filters with replaceable stainless meshed strainer for input and glass fiber elements for return.

Reservoir capacity
227.2 US gal. (860 L)

Standard Mast :

This mast is to be all-welded box type structure with high tensile steel equipped with self-lifting cylinder. The mast is necessary regardless of the boom length.

Operator's cab :

Totally enclosed from weather, this full-vision cab has safety glass all around, sliding door and tilting to 15.8 degrees by hydraulic cylinders.

The adjustable, high-backed seat with armrest is capable of adjustment with or without the control console.

Auxiliary controls and instruments are on a side mounted console.

A signal horn, windshield wipers, air-conditioner, and swing limiter are all standard features.

The operator's cab swings in front of the upper machine for transportation width to be 9'-10" (2.99 m).

Controls :

At the operator's right are console-mounted adjustable short levers (hydraulic over hydraulic) for the front and rear drum and the boom hoist control.

Fine inching control, drum rotation indicators and optional free fall activation switches are built in to the levers.

Beside the seat on the right are two short levers (hydraulic over hydraulic) for propel control, plus individual speed dial controls for front, rear and boom drums.

At the left is the console mounted a swing lever, an optional luffing jib hoist drum control (hydraulic over hydraulic), individual speed dial controls for luffing jib drum and reeving winch, switches for front and rear drum, boom and luffing jib drum pawls, and the engine start / stop key.

A swing brake control switch and signal horn button are on the swing lever.

On the floor is a boom hoist pedal, a throttle pedal and optional free fall pedals if selected.

Swing :

Swing unit

Two sets of hydraulic motor driving through planetary reducer to output swing pinion for 360 degrees rotation.

Mode

Switchable three modes, free fast, free slow and auto brake.

Swing brake

Spring set hydraulically released multiple disk brake mounted on swing motor.

Swing circle

Wider diameter and triple row roller bearing with internal swing gear.

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SPECIFICATIONS

Drums :

Powered by hydraulic variable plunger motors, driven through planetary reducers.

Negative brake

A spring-set, hydraulically released multiple disc brake and a safety spooled load control counter - valance valve are mounted on the hoist motor.

Drum lock

External ratchet for locking drum

Load hoist (H1 & H2) drums (None free fall)

Max. line pull (1st layer) 57,035 lbf (254 kN)

Rated line pull (all layers) 33,045 lbf (147 kN)

620 mm P.C.D × 926 mm Lg., grooved for 28 mm dia. wire rope.

Rope capacity is 1,969 ft (600 m) strage length.

Free fall function (optional)

Maximum line pull (1st layer) 61,640 lbf (274.2 kN)

Rated line pull (all layers) 33,045 lbf (147 kN)

Boom drum (W1)

Double drum, grooved for 26 mm wire rope.

Luffing jib drum (W2) (Optional), mounted on the base boom, grooved for 26 mm wire rope.

Lower Machinery

Carbody frame :

High-tensile steel welded axle in constructed frame.

Translifters :

The function allows quick and easy crawler frame removal and trailer loading.

The swing arm and the remote-controlled 4 vertical cylinders are all standard feature.

Crawlers :

Crawler assemblies are designed with quick disconnect feature for individual removal as a unit from axles.

Crawler belt tension adjusted by hydraulic jack and maintained by shims between the drive unit block and frame.

Crawler drive :

Each crawler has double motors, one in front and one in the rear, delivering steady, powerful traction for smooth on-site travel.

Each drive consists of a hydraulic motor driving a propel tumbler through a planetary gear box.

The hydraulic motor and gear box are built into the crawler side frame.

Crawler brake :

Multiple disc type, spring set, hydraulically released parking brakes are built into each propel drive.

Steering mechanism :

The hydraulic propel system provides both skid steering and counter-rotating steering.

Crawler shoe :

Casted 52" wide shoe in standard.
(48" narrow shoe in optional)

Track rollers :

The track rollers are sealed for maintenance free operation.

Crane Attachments

Crane boom :

The welded lattice construction uses tubular, high-tension steel chords with pin connection between sections.

<i>Basic boom length</i>	78' (24.0 m)
<i>Boom base section</i>	30' (9.0 m)
<i>Boom insert</i>	20' (6.0 m)
<i>Tapered boom insert</i>	26' (7.8 m)
<i>Boom tip section w/11 sheaves</i>	4' (1.2 m)

Boom insert (optional) :

Optional boom inserts are available to provide extension capabilities up to the boom length of 295' (90 m).

<i>Boom insert</i>	20' (6.0 m), 40' (12.0 m)
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Boom suspension :

26 parts of 26 mm dia. high strength boom hoist wire rope (W1) and high-tensile steel guy lines.

Boom backstops:

Telescopic type with spring bumper.

Auxiliary sheave (optional):

Auxiliary sheave is extendible on booms of 78 ft (24 m) through 276 ft (84 m) Maximum line : 2 parts of 28 mm dia. wire rope.

Fixed jib (optional) :

The fixed jib is available on the crane boom of 100' (30 m) through 256' (78 m) with counterweight amount 308,600 lbs (140,000 kg) and carbody weight amount 88,200 lbs (40,000 kg) to extend working height and / or reach. The fixed jib employs welded lattice construction with tubular, high-tension steel chords with pin connections between sections.

<i>Basic jib length</i>	40' (12.2 m)
<i>Jib base section</i>	15' (4.6 m)
<i>Jib insert</i>	10' (3.0 m)
<i>Jib tip section w/1 sheave</i>	15' (4.6 m)

Fixed jib insert :

Optional fixed jib insert, 20' (6.1 m) section is available to provide extension capabilities, up to the jib length of 100' (30.5 m).

Fixed jib suspension :

26 mm dia. high strength pendant rope for each side.

Strut suspension :

26 mm dia. high strength pendant rope for each side.

Heavy fixed jib (optional) :

The heavy fixed jib is available on the crane boom of 236' (72.0 m) with counterweight amount 308,600 lbs (140,000 kg) and carbody weight amount 88,200 lbs (40,000 kg) to extend working height and / or reach.

The heavy fixed jib employs welded lattice construction with tubular, high-tension steel chords with pin connections between sections.

<i>Jib length</i>	98' (30.0 m)
<i>Jib base section</i>	30' (9.0 m)
<i>Jib insert</i>	40' (12.0 m)
<i>Jib tip section w/4 sheave</i>	30' (9.0 m)

Heavy fixed jib insert :

Optional heavy fixed jib insert, 40' (12.0 m) section is available.

Heavy fixed jib suspension :

44 mm dia. high strength pendant rope for each side.

Strut suspension :

44 mm dia. high strength pendant rope for each side.

Luffing Attachments

Luffing jib (optional) :

The luffing jib is available on the crane boom of 98' (30 m) through 197' (60 m) with counterweight amount 308,600 lbs (140,000 kg) and carbody weight amount 88,200 lbs (40,000 kg) to extend working height and / or reach. The luffing jib employs welded lattice construction with tubular, high-tension steel chords with pin connections between sections.

<i>Basic jib length</i>	78' (24.0 m)
<i>Jib base length</i>	30' (9.0 m)
<i>Jib insert</i>	20' (6.0 m)
<i>Jib tip section w/4 sheave</i>	30' (9.0 m)

Luffing jib insert :

Optional luffing jib insert, 20' (6.0 m) and 40' (12.0 m) section are available to provide extension capabilities, up to the jib length of 217' (66.0 m).

Luffing jib suspension :

10 parts of 26 mm dia. high strength jib hoist rope (W2) and high-tensile steel guy lines.

Strut suspension :

High-tensile steel guy lines.

CK3300G-2 SPECIFICATIONS

Standard Equipment

Lights :

- Two (2) front flood lights
- One (1) cab inside light

Gauges and warning display Gauges :

- Tachometer
- Hour meter
- Fuel gauge
- DEF gauge
- Water temperature gauge for engine

Warning display :

- Battery charge
- Engine oil pressure
- Air cleaner
- Engine oil filter
- Control main pressure
- Hydraulic oil temperature

Others :

- Tilt-able operator cab
- Air conditioner / heater
- Lever detent lock (all levers except swing)
- Drum turn indicator (H1 / H2)
- Foot throttle pedal/ boom hoist pedal
- Front and rear (H1 / H2) drums, observation camera
- Boom (W1) drum, observation camera
- Kcross (Telematics) system
- Reeving winch
- Boom foot pins drive cylinders
- Crawler frame connection pins drive cylinders
- Counterweight self removal device
- Crawler self removal device

Optional Equipment

Attachment :

- Auxiliary sheave* 66,100 lbs (30,000 kg) capacity, single sheave, pin connected removable auxiliary sheave.
- Fixed jib* Basic 40' (12.2 m) fixed jib with strut and suspension pendant ropes.
 - 10' (3.05 m) fixed jib insert
- Luffing jib* Basic 78' (24 m) luffing jib with H1/H2 struts, suspension guy lines.
 - 20' (6.0 m) luffing jib insert
 - 40' (12.0 m) luffing jib insert
 - Luffing jib hoist winch (W2) and 26 mm dia. 1,115' (340 m) wire rope with rope socket.
- Hook blocks and ball*
 - 386 US ton block w/13 sheaves
 - 220 US ton block w/7 sheaves
 - 110 US ton block w/3 sheaves
 - 50 US ton block w/single sheaves
 - Ball hook
- Free-fall winches* 28 mm dia. 1,969' (600 m) spool capacity free fall winch for front (H1) and rear (H2) drum.

Safety Service

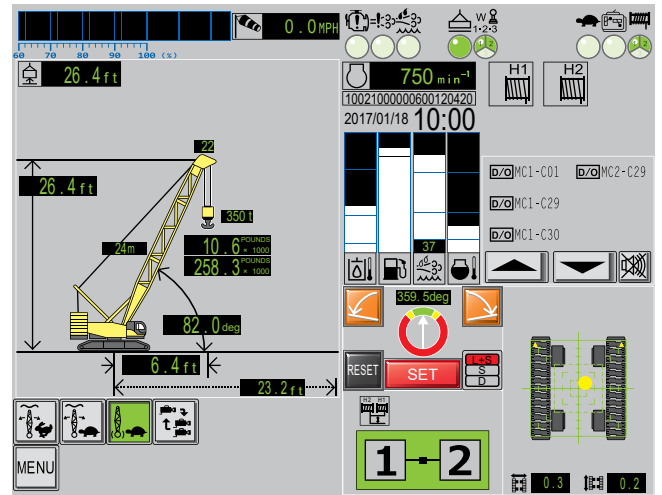
- Overload prevention device (LMI)
- Boom over hoist auto shut off device
- Hook over hoist auto shut off device
- Swing limiter
- Tip height limiter
- Boom angle limiter
- Working radius limiter (Tip height, boom & jib angle, W/R)
- Function lock lever
- Mechanical lever locks
- Front (H1) / Rear (H2) mechanical drum lock
- Boom (W1) mechanical drum lock
- Electric signal horn
- Travel alarm
- Swing alarm
- Mechanical level gauges, in the cab
- Boom backstops
- Catwalks and steps, carbody frame
- Steps, crawler frames
- Wind speed indicator (Anemometer)
- Hook height indicator

Tools and Accessories

A set of tools and accessories are furnished.

STANDARD CONFIGURATION LOAD MOMENT INDICATOR (LMI)

The Kobelco newly designed 12" touch panel screen with sunshade and screen protector is an industry first. This intuitive and easy to understand new touch screen monitor gives the operator a full display of essential data. Universal pictograms are used providing easy visual recognition, making this new technology easy to read and understand the information. This new monitor includes : Hook Height, Engine Speed, Display Lamp of standard functions, Gauges, Over-Swing Prevention Device, Switches, and Error Messages.



Moment ratio indicator

Wind speed indicator

Hook height

Point height

Actual load

Rated load

Boom angle

Working radius

Max. working radius

Gauges
Hydraulic oil temperature gauge
Fuel bar gauge
Def/adblue® bar gauge
Engine coolant temperature gauge
* Figures for the above gauges are only shown when the bar is touched.

Display lamp
Engine warning lamp
Front drum free fall indication lamp (opt.)
Rear drum free fall indication lamp (opt.)
Inching speed lamp
Remote control connection lamp

Operating status of load hoist drums

Error message
Touch to display details in a pop-up window.

Over-swing prevention
An over-swing preventative device is standard. It limits the swing of the crane. Configuration is simple and can be done from the touch panel.

Operating status of double drum
When double drum is used, difference of inclination between H1 and H2 drum is displayed.

Ground incline indicator (option)
This device is to detect inclination of the crane against the ground to indicate and issue warning.

Main menu

Crane config.		Adjustment mode
Angle/radius Limiter		Service mode
Self check Mode		

Camera Monitor

The camera monitor interface displays the same LMI data as the main screen, alongside two camera views: a top-down view of the crane and a front-facing view of the crane's drum.

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WINCH PERFORMANCE DATA

Winch Line Pull

Note :

Line speed and line pull based on SCANIA DC13 084A at 2,100 rpm.

Line speed and line pull based on single line.

Max. line pull is based on referential performance, not wire rope strength.

Front Drum & Rear Drum (non free fall):

Wire Rope Diameter = 28 mm dia.

Rated Line Pull = 33,045 lbf (147 kN)

Maximum Line Pull = 57,035 lbf (254 kN)

Total Storage Capacity = 1,969 ft (600 m)

		Drum line speed (ft/min)								
Layer		1	2	3	4	5	6	7	8	9
Line Pull (lbs)	0	382	411	441	470	499	529	558	587	NOT applicable
	5,000	379	408	437	465	494	523	552	580	
	10,000	376	386	391	393	393	389	382	374	
	15,000	252	249	249	249	249	249	249	249	
	20,000	187	187	187	187	187	187	187	187	
	25,200	150	150	150	150	150	145	145	147	
	30,000	125	125	121	121	123	124	124	124	
	35,000	103	104	106	107	107	106	104		
	40,000	92	93	93	92					
	45,000	83	82							
	50,000	74								
Storage Capacity (ft)		198	213	229	244	259	274	289	305	

Front Drum & Rear Drum (free fall) (optional) :

Wire Rope Diameter = 28 mm dia.

Rated Line Pull = 33,045 lbf (147 kN)

Maximum Line Pull = 61,640 lbf (274.2 kN)

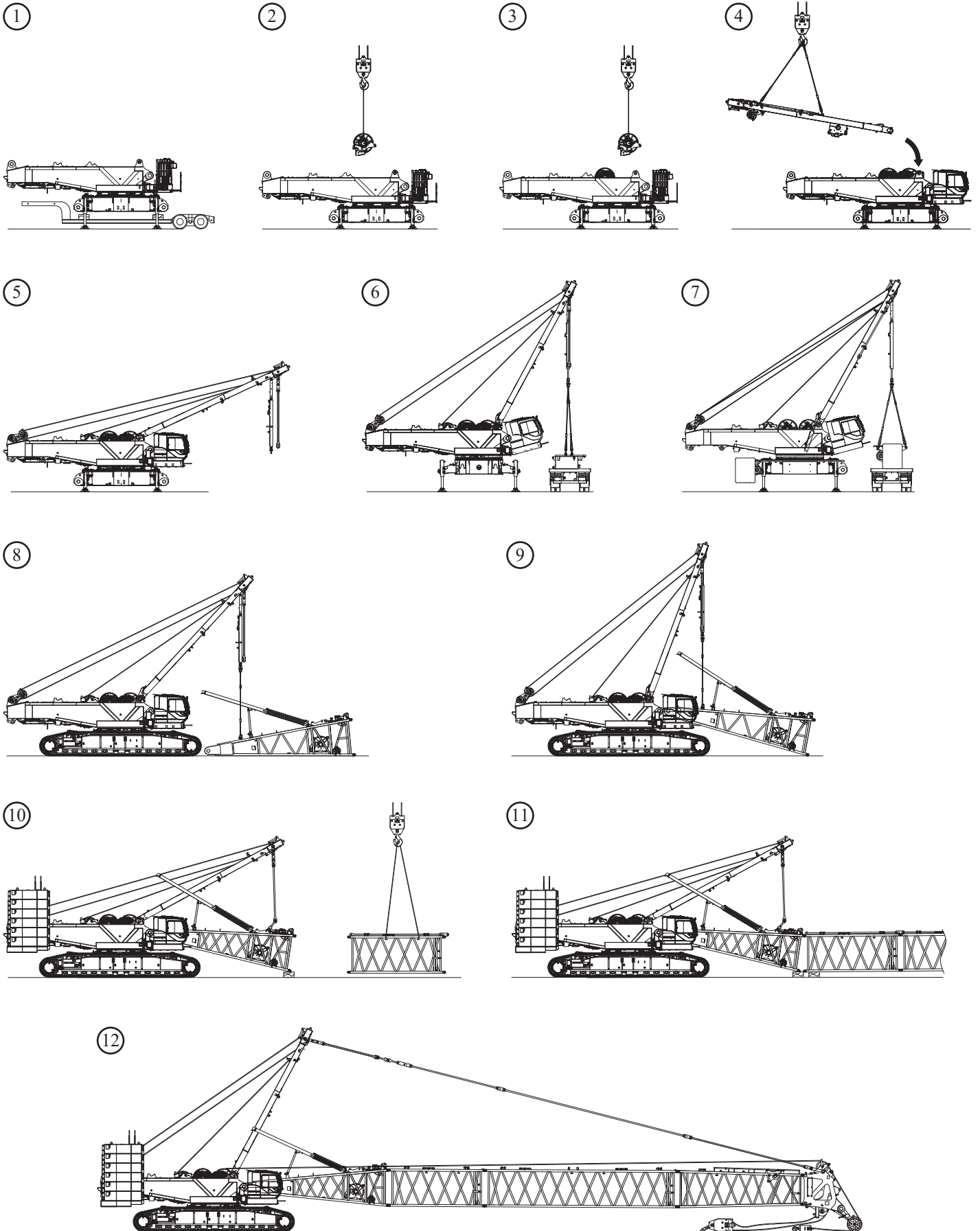
Total Storage Capacity = 1,969 ft (600 m)

		Drum line speed (ft/min)								
Layer		1	2	3	4	5	6	7	8	9
Line Pull (lbs)	0	353	377	401	426	450	474	498	522	NOT applicable
	5,000	351	375	398	422	446	469	493	516	
	10,000	348	372	384	389	392	393	393	390	
	15,000	259	253	249	249	249	249	249	249	
	20,000	187	187	187	187	187	187	187	187	
	25,200	150	150	150	150	150	150	150	147	
	30,000	125	125	125	124	119	121	123	124	
	35,000	107	104	104	105	106	107	107	106	
	40,000	91	92	93	93	93	92			
	45,000	83	83	83	82					
	50,000	75	74							
Storage Capacity (ft)		224	239	254	269	284	300	315	330	

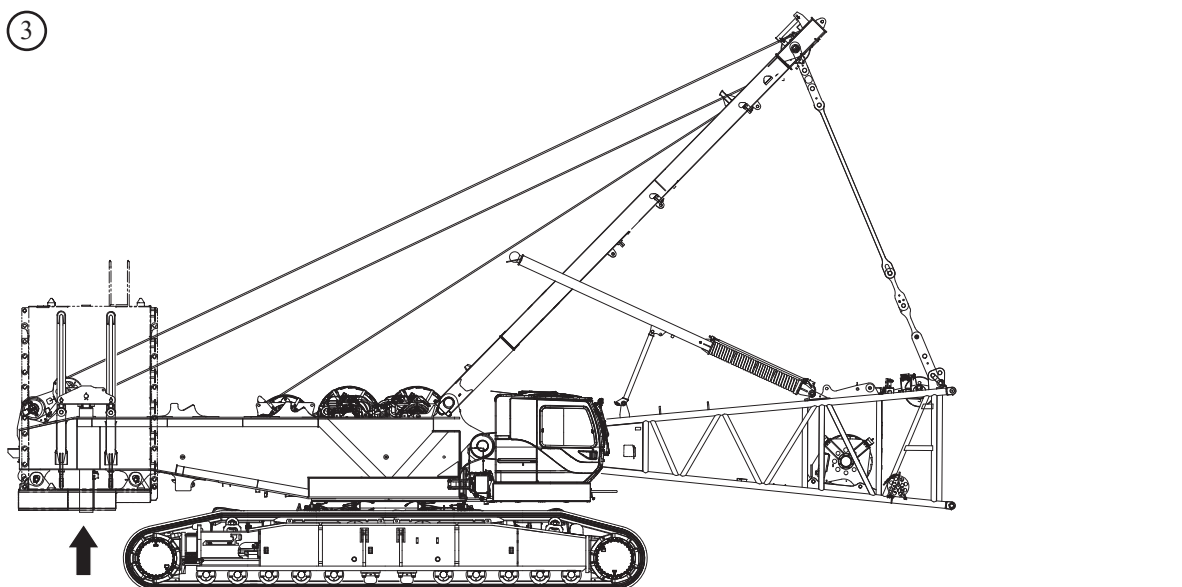
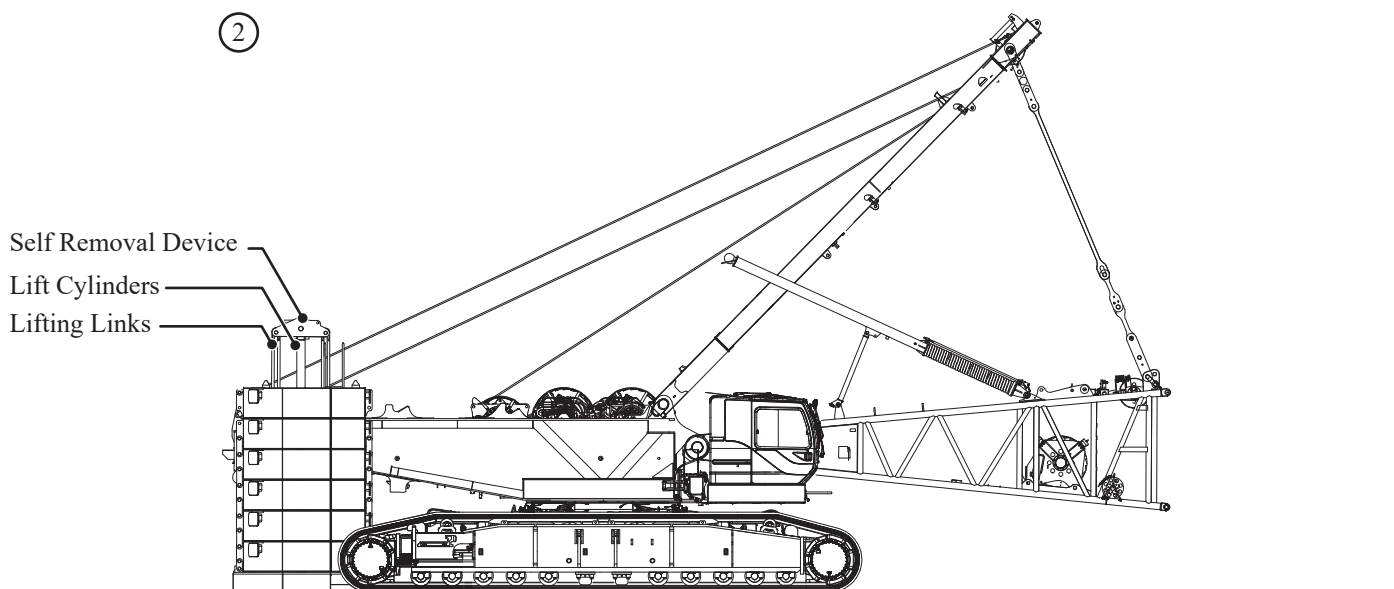
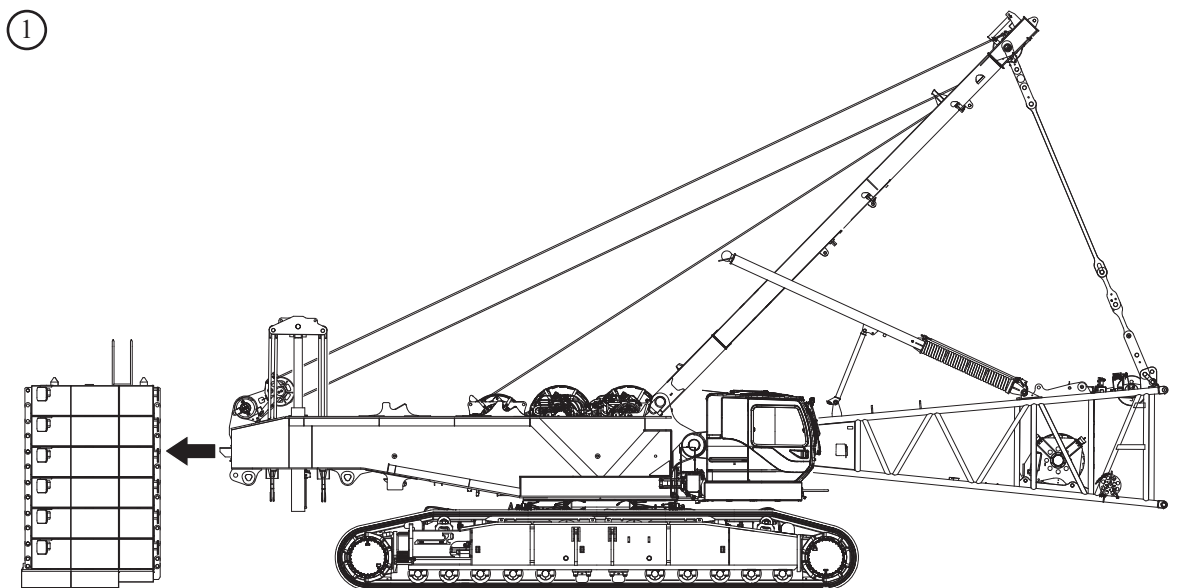
Wire Rope Specifications

Use	Rope spec.	Rope dia.	Rope length	Safety factor	Breaking strength
Front drum	Fi(25) + 22 × P·7 + 6 × P·WS(26) Right hand, lang's lay	1,102" to 1,144" (28 mm to 29.06 mm)	1,969 ft (600 m)	5 : 1	176,677 lbf (785.9 kN)
Rear drum	Fi(25) + 22 × P·7 + 6 × P·WS(26) Right hand, lang's lay	1,102" to 1,144" (28 mm to 29.06 mm)	1,969 ft (600 m)	5 : 1	176,677 lbf (785.9 kN)
Boom drum	8 × PWS(26) + 7 × S(19) Right hand, lang's lay	1,059" to 1,070" (26.91 mm to 27.17 mm)	1,476 ft (450 m)	3.5 : 1	124,544 lbf (554 kN)
Luffing jib hoist	8 × PWS(26) + 7 × S(19) Right hand, lang's lay	1,059" to 1,070" (26.91 mm to 27.17 mm)	1,115 ft (340 m)	3.5 : 1	124,544 lbf (554 kN)

STANDARD CONFIGURATION ASSEMBLY PROCEDURE



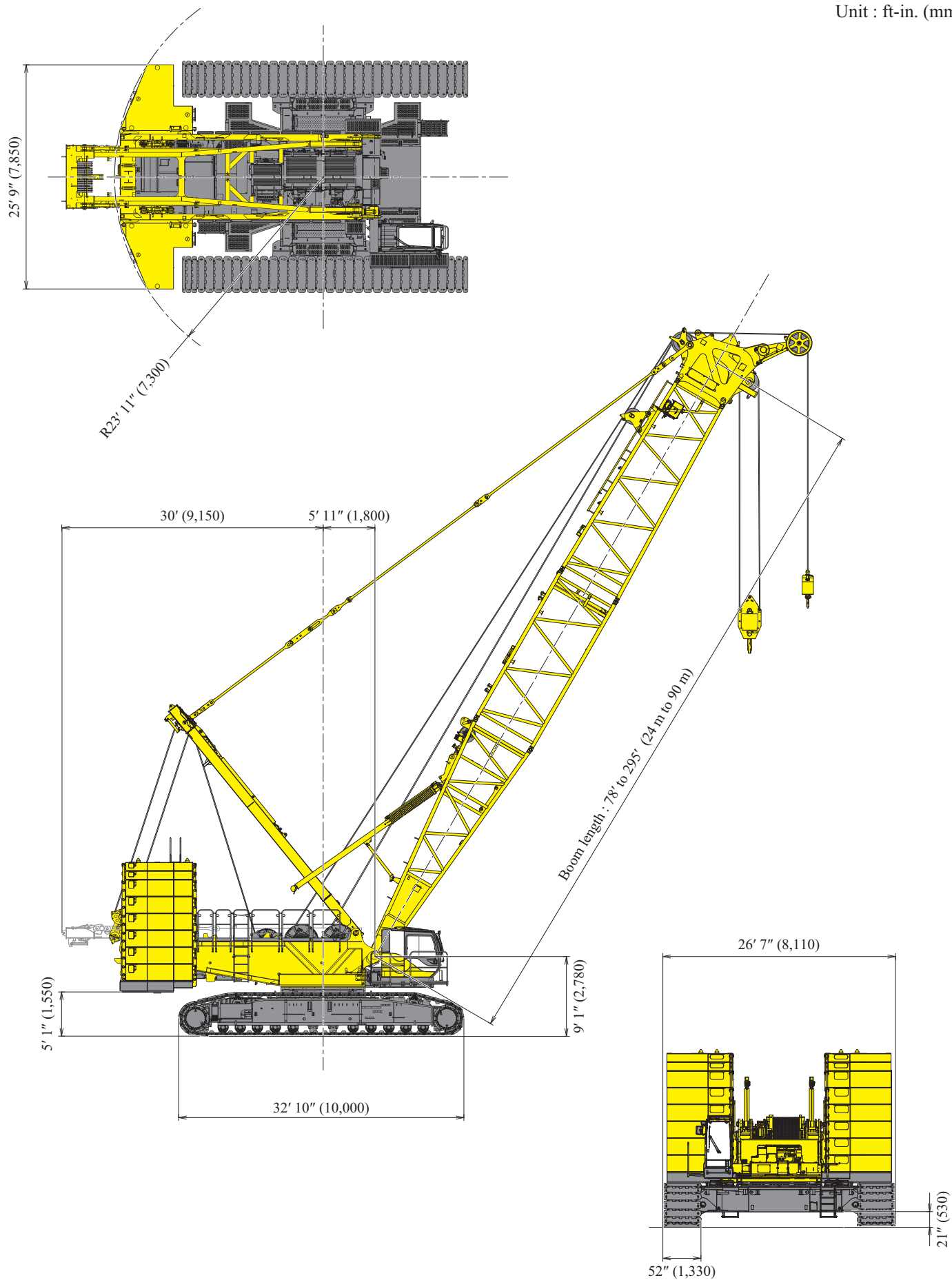
CK3300G-2 COUNTERWEIGHT SELF REMOVAL DEVICE



STANDARD CONFIGURATION CRANE - GENERAL DIMENSIONS

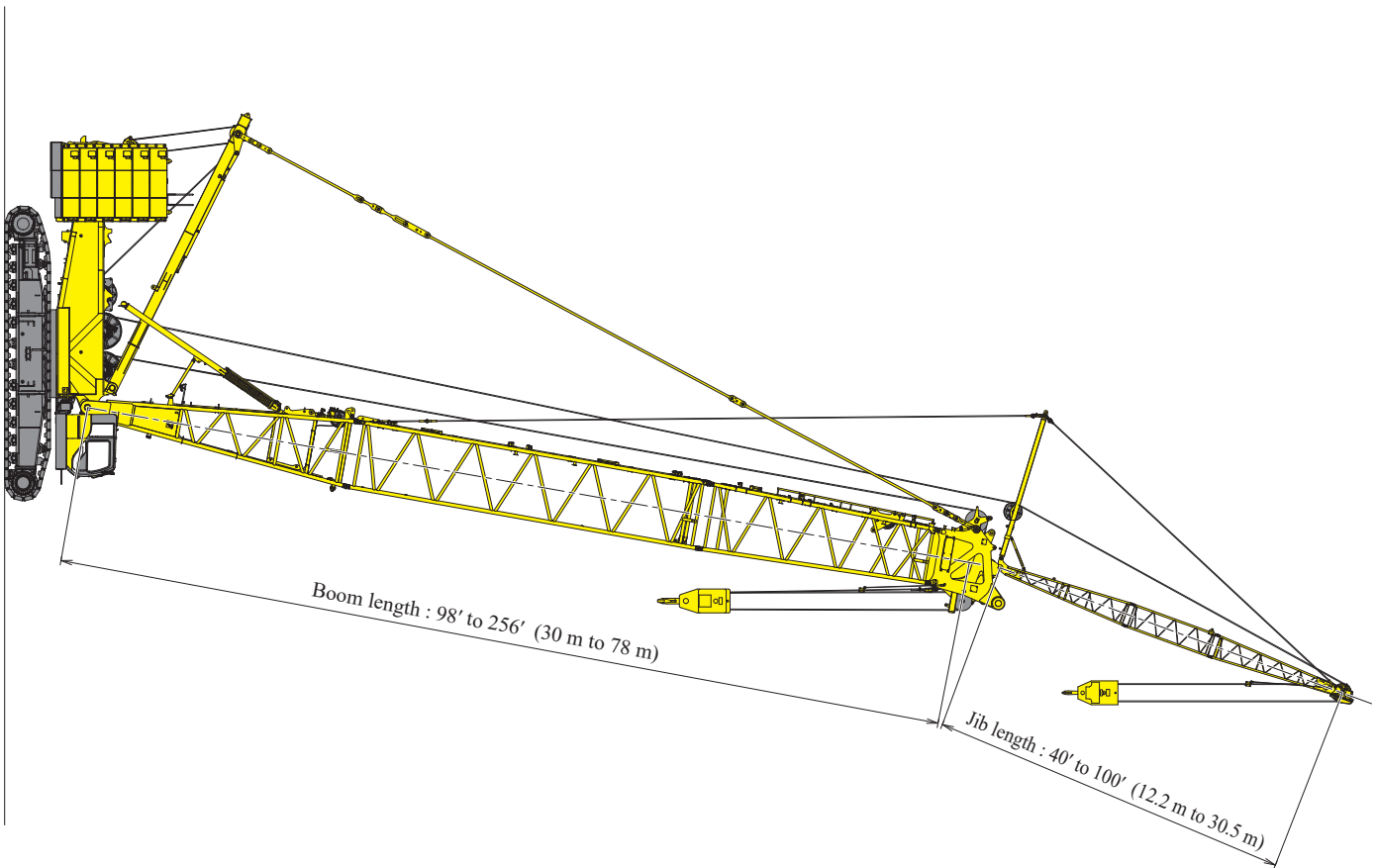
Crane Boom

Unit : ft-in. (mm)



CK3300G-2 CRANE - GENERAL DIMENSIONS

Fixed Jib



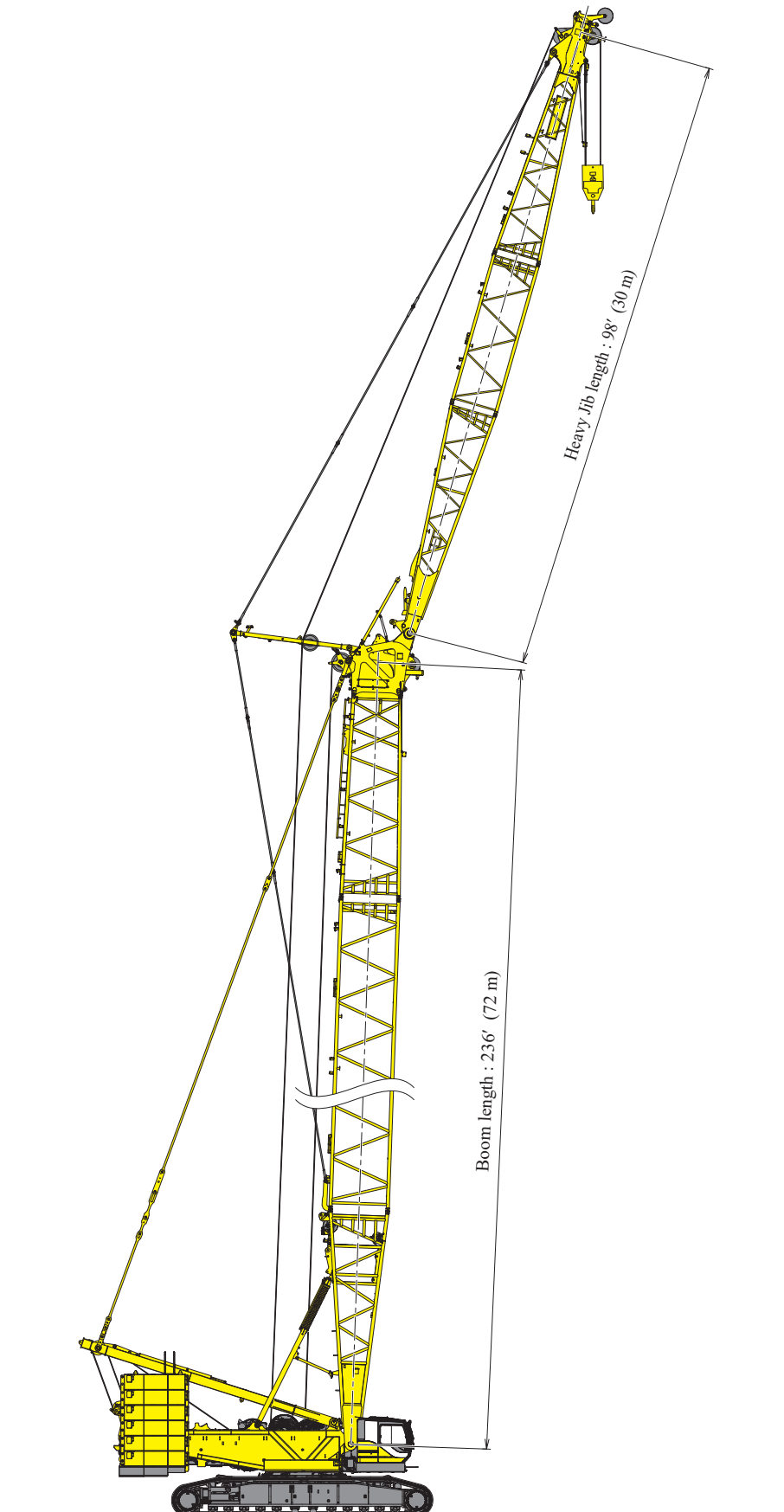
Unit : ft (m)

Courtesy of CraneMarket

STANDARD CONFIGURATION CRANE - GENERAL DIMENSIONS

Heavy Fixed Jib

Unit : ft (m)



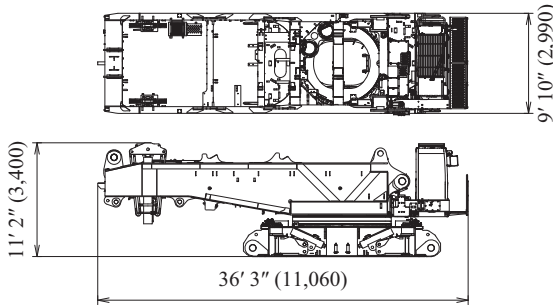
CK3300G-2 CRANE - DIMENSIONS & WEIGHT

Dimensions : ft-in (mm) Weight : lbs (kg)

Base Machine

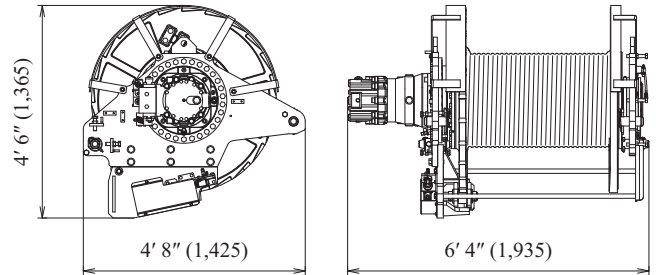
Weight : 91,315 lbs (41,420 kg)

- Crane mast
- H1 winch
- H2 winch
- Counterweight self removal device



H1, H2 Winch (Without Wire rope)

Weight : 5,175 lbs (2,350 kg)



1969' (600 m) Wire rope

Weight : 5,245 lbs (2,380 kg)

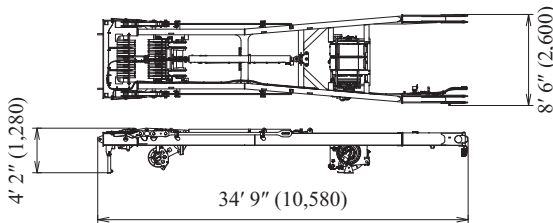
1280' (390 m) Wire rope

Weight : 3,430 lbs (1,555 kg)

Crane Mast

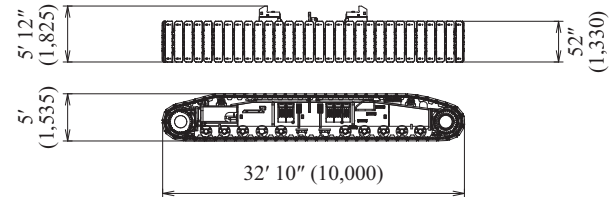
Weight : 22,585 lbs (10,245 kg)

- Lower spreader
- W1 winch
- Wire rope
- Guy line



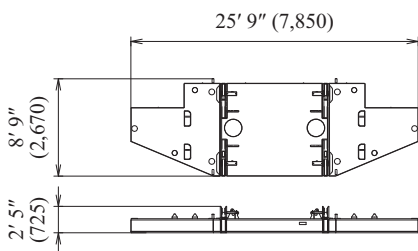
Crawler

Weight : 64,765 lbs (29,380 kg)



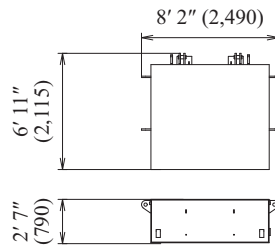
Counterweight Base

Weight : 44,095 lbs (20,000 kg)



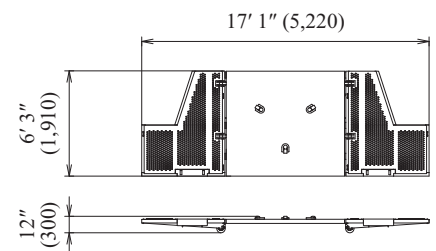
Carbody weight A

Weight : 38,695 lbs (17,550 kg)



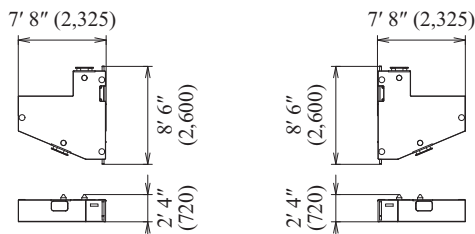
Carbody weight B With Platform

Weight : 6,115 lbs (2,775 kg)



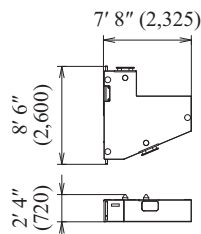
Counterweight A

Weight :
22,050 lbs (10,000 kg)



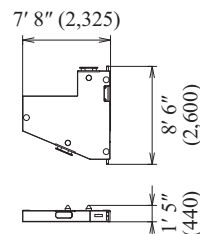
Counterweight B

Weight :
22,050 lbs (10,000 kg)



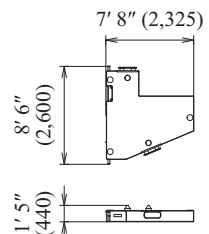
Counterweight C

Weight :
11,025 lbs (5,000 kg)



Counterweight D

Weight :
11,025 lbs (5,000 kg)



STANDARD CONFIGURATION CRANE - DIMENSIONS & WEIGHT

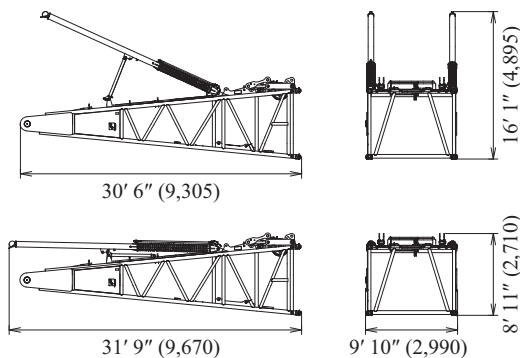
Dimensions : ft-in (mm) Weight : lbs (kg)

30 ft (9 m) Boom Base

Weight : 20,480 lbs (9,290 kg)

- Guide sheave
- Boom backstop
- Walkway
- Guy lines
- Reeving winch and wire rope

* Guy lines for luffing strut are not included.
Add 345 lbs (155 kg) to boom if necessary.

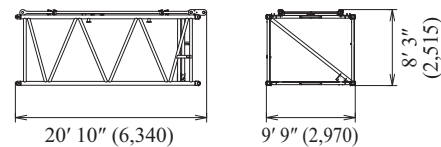


20 ft (6 m) Boom Insert

Weight : 5,090 lbs (2,310 kg)

Includes guy lines and walkway.

* Guy lines for luffing strut are not included.
Add 445 lbs (200 kg) to boom if necessary.

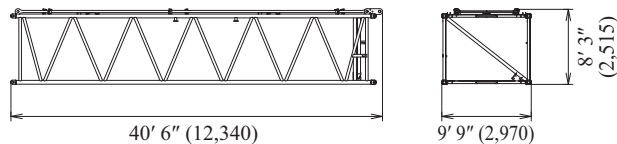


40 ft (12 m) Boom Insert

Weight : 8,860 lbs (4,020 kg)

Includes guy lines and walkway.

* Guy lines for luffing strut are not included.
Add 785 lbs (360 kg) to boom if necessary.

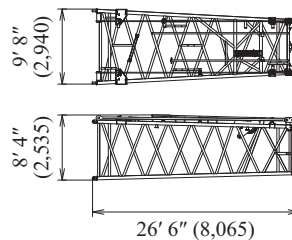


26 ft (7.8 m) Taper Boom Insert

Weight : 7,700 lbs (3,495 kg)

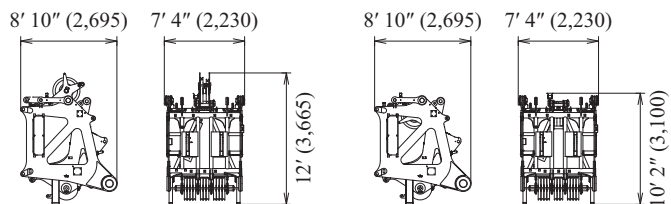
Includes guy lines, walkway and guide sheave.

* Guy lines for luffing strut are not included.
Add 300 lbs (140 kg) to boom if necessary.



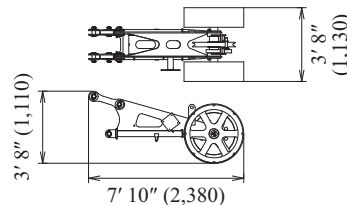
Boom Tip

Weight : 10,100 lbs (4,580 kg)



Auxiliary Sheave

Weight : 1,540 lbs (700 kg)



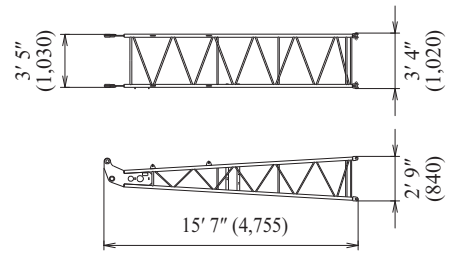
CK3300G-2 CRANE - DIMENSIONS & WEIGHT

Dimensions : ft-in (mm) Weight : lbs (kg)

Fixed Jib

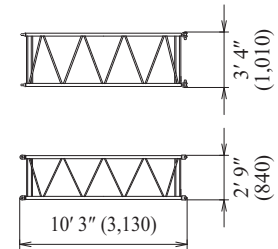
Fixed Jib Base

Weight : 465 lbs (210 kg)



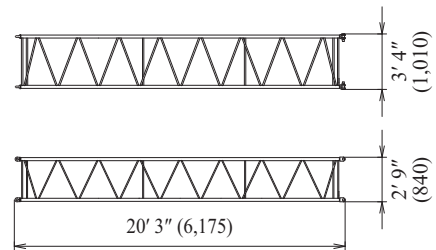
10 ft (3 m) Fixed Jib Insert

Weight : 245 lbs (110 kg)



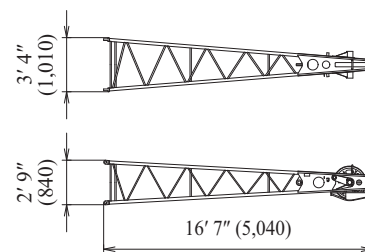
20 ft (6 m) Fixed Jib Insert

Weight : 420 lbs (190 kg)



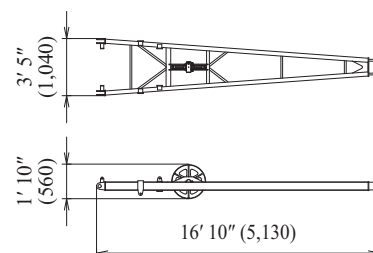
Fixed Jib Tip

Weight : 700 lbs (315 kg)



Fixed Jib Strut

Weight : 660 lbs (300 kg)



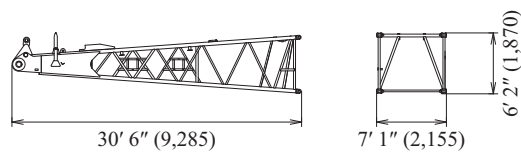
STANDARD CONFIGURATION CRANE - DIMENSIONS & WEIGHT

Dimensions : ft-in (mm) Weight : lbs (kg)

Heavy Fixed Jib

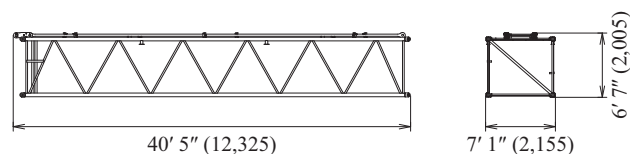
Heavy Fixed (Luffing) Jib Base

Weight : 6,100 lbs (2,770 kg)
Includes walkway.



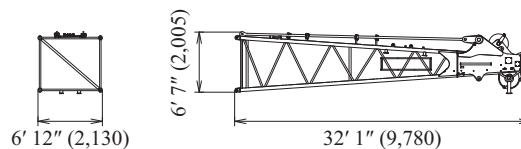
40 ft (12 m) Heavy Fixed (Luffing) Jib Insert

Weight : 4,170 lbs (1,890 kg)
Includes guy lines and walkway.



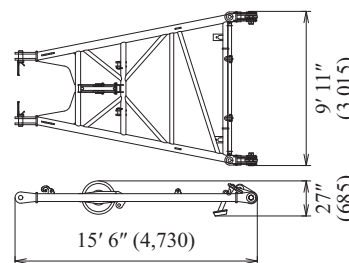
Heavy Fixed (Luffing) Jib Tip

Weight : 6,615 lbs (3,000 kg)
Includes guy lines and walkway.



Heavy Fixed Jib Strut

Weight : 2,205 lbs (1,000 kg)
Guy lines are not included.

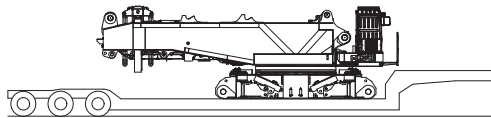


CK3300G-2 CRANE - TRANSPORTATION PLAN

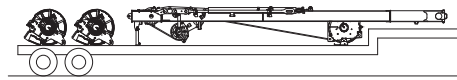
Configuration : Standard CR 295' (Counterweight : 352,700 lbs, Carbody weight 88,200 lbs)

Item	Qty.	Net wt.		Trailer																	
		k-lbs	m-ton	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	#17	
Base machine without H1 and H2 hoist winch	1	91.3	41.4	1																	
H1 hoist none free fall winch with 1,969' wire rope	1	10.4	4.7		1																
H2 hoist none free fall winch with 1,969' wire rope	1	10.4	4.7		1																
Standard mast w/W1 winch	1	22.6	10.2		1																
Left crawler frame with 52" shoe	1	64.8	29.4			1															
Right crawler frame with 52" shoe	1	64.8	29.4				1														
Base counterweight	1	44.1	20.0					1													
Counterweight (20,050 lbs)	12	22.1	10.0									1	1	1	1	1	1	2	2	2	
Counterweight (11,025 lbs)	4	11.0	5.0										1	1	1	1					
Base carbody weight	2	38.7	17.6							1	1										
Carbody weight w/step	2	6.1	2.8									2									
Base boom without W2 winch	1	20.5	9.3						1												
20' boom insert (*)	2	5.1	2.3							1	1										
40' boom insert (*)	5	8.9	4.0									1	1	1	1	1					
Boom tip, 26' taper boom (*) and aux sheave	1	19.3	8.8														1				
110 US ton hook block	1	6.0	2.7							1											
(*) : including guy lines for crane.		Gross wt. (×1,000 lbs)		91.3	43.4	64.8	64.8	44.1	26.4	43.8	43.8	43.1	41.9	41.9	41.9	41.9	41.4	44.1	44.1	44.1	44.1

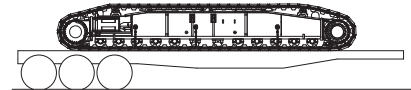
Trailer #1



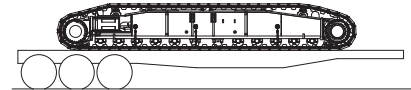
Trailer #2



Trailer #3



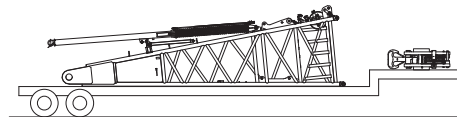
Trailer #4



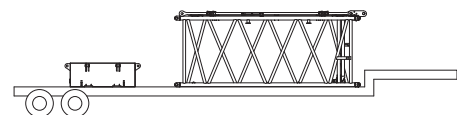
Trailer #5



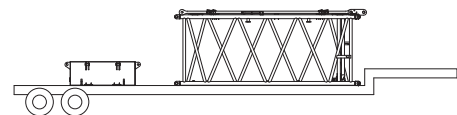
Trailer #6



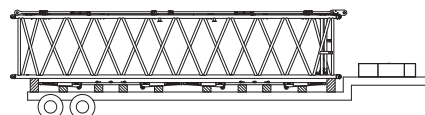
Trailer #7



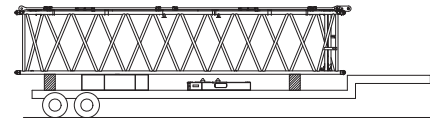
Trailer #8



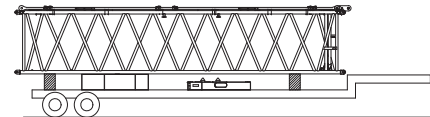
Trailer #9



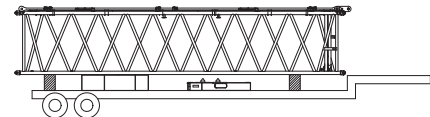
Trailer #10



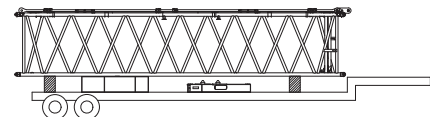
Trailer #11



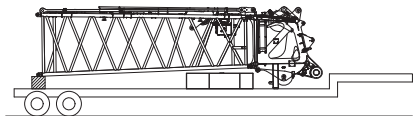
Trailer #12



Trailer #13



Trailer #14



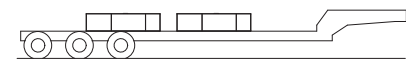
Trailer #15



Trailer #16

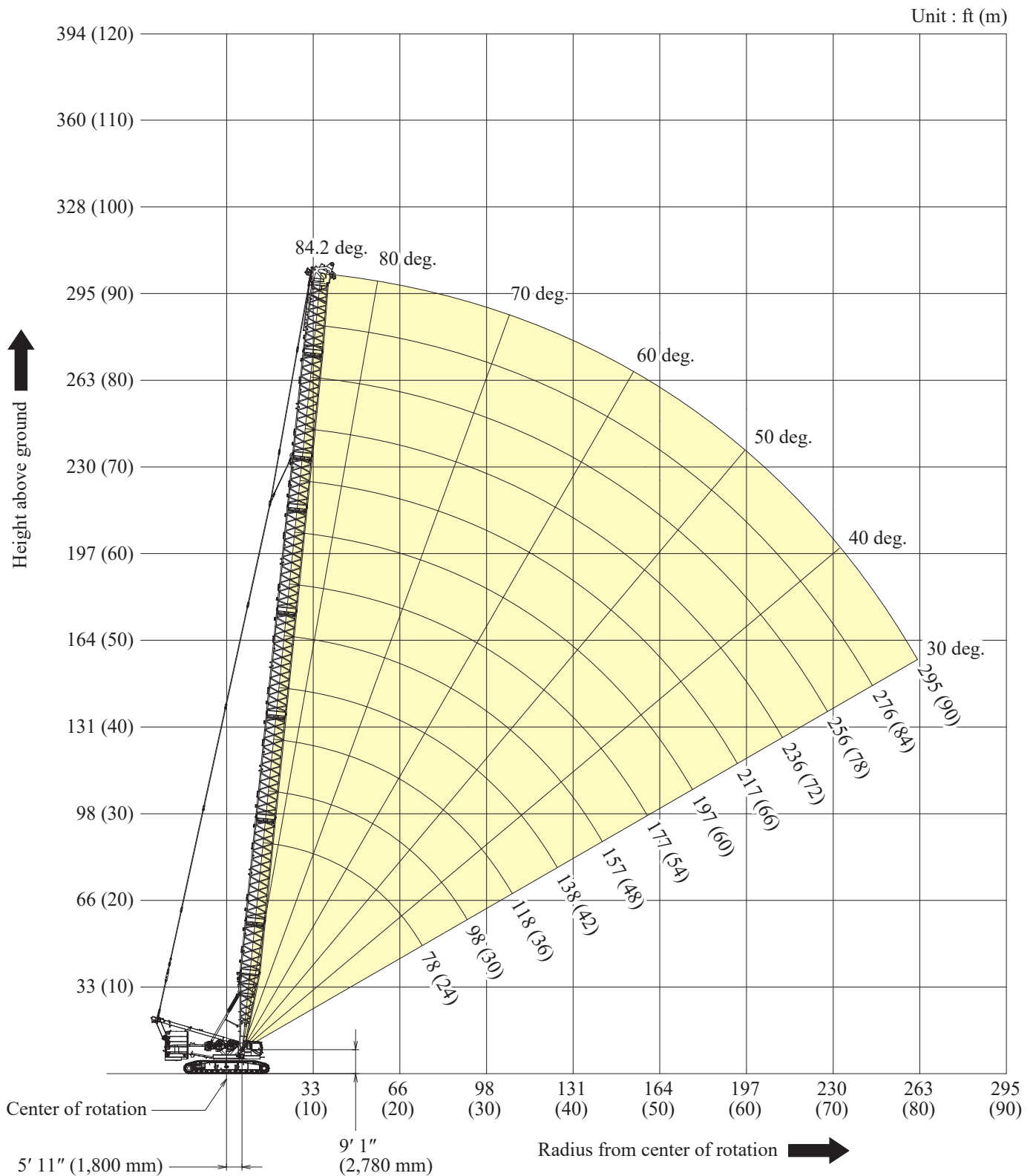


Trailer #17



STANDARD CONFIGURATION CRANE - WORKING RANGES

Main Boom



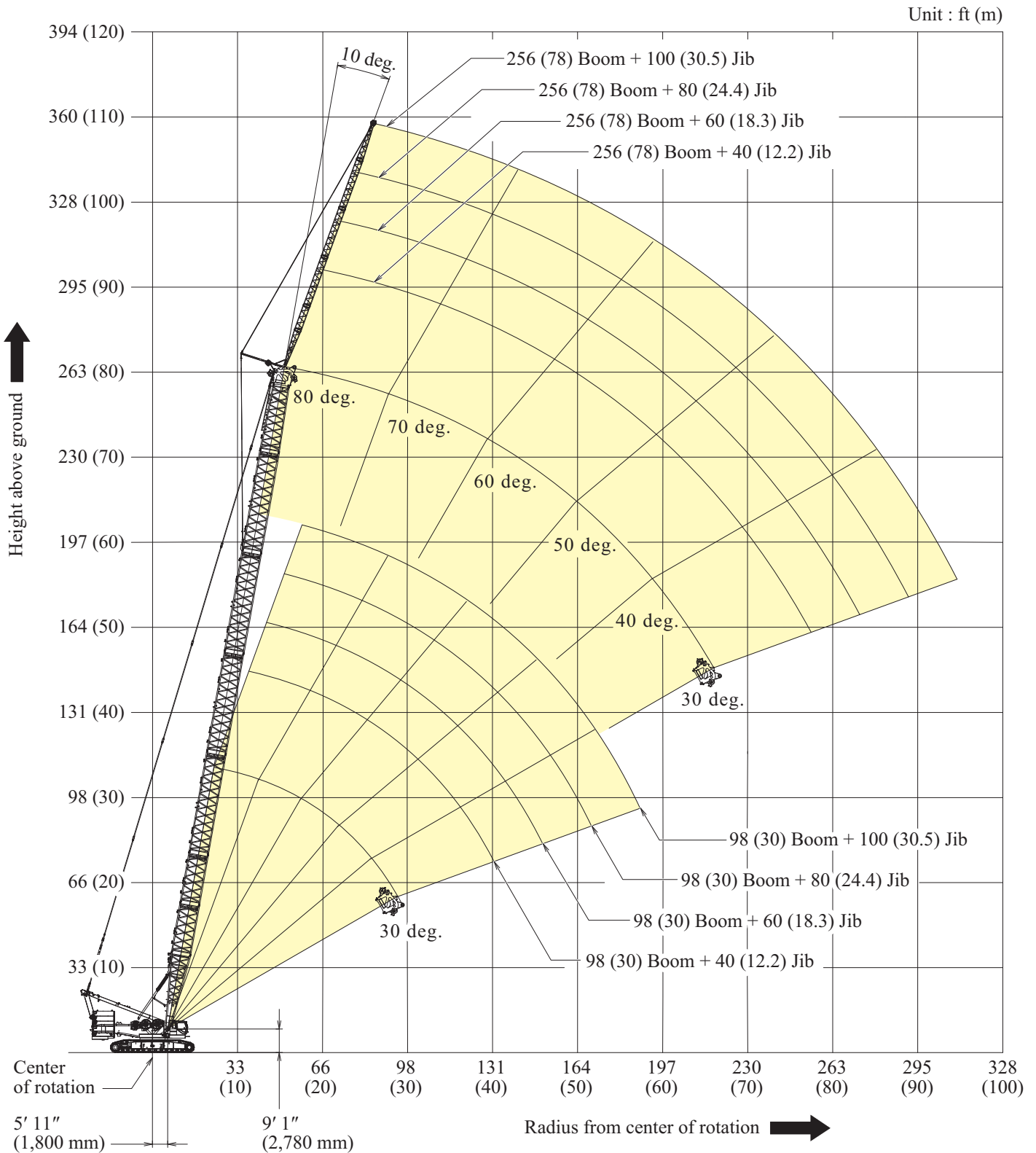
- Working weight*¹ : 806,545 lbs (365,845 kg)
- Ground bearing pressure*¹ : Approx. 22.2 psi (153 kPa)
- Grade - ability*² : 20% (11.3 deg.)
- Wind speed : 100% performance in wind speed up to 10 m/s (22.5 MPH)

*¹ : Including base machine, counterweights : 352,700 lbs (160,000 kg), Carbody weights : 88,200 lbs (40,000 kg), Counterweight self removal device, 295 ft (90 m) standard boom and 110 US ton hook block.

*² : Including base machine, counterweights : 308,700 lbs (140,000 kg), Carbody weights : 88,200 lbs (40,000 kg), Counterweight self removal device, 78 ft (24 m) standard boom and 386 US ton hook block.

CK3300G-2 CRANE - WORKING RANGES

Fixed Jib 10 deg.



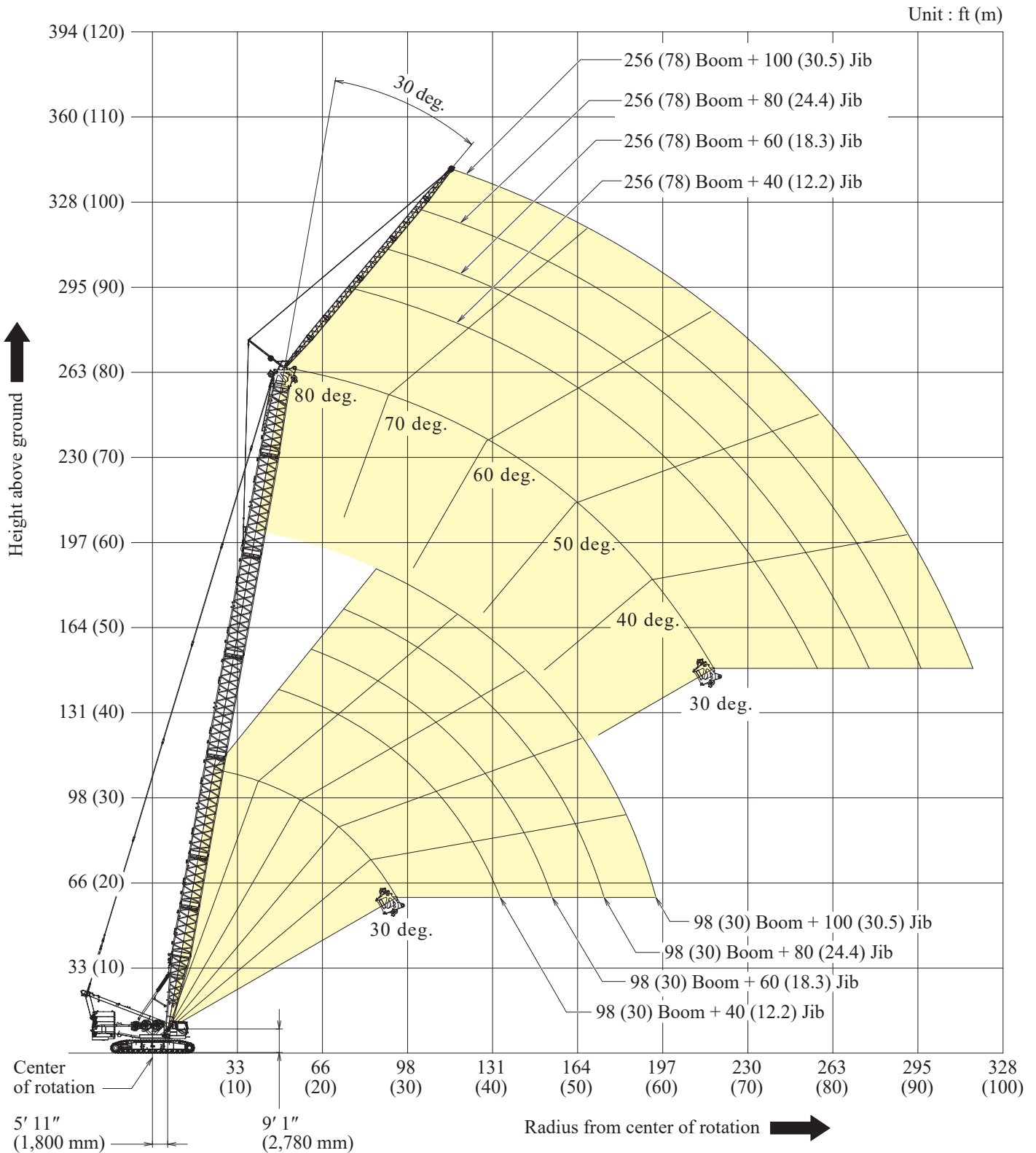
- Working weight*¹ : 757,570 lbs (343,630 kg)
- Ground bearing pressure*¹ : Approx. 20.9 psi (144 kPa)
- Grade - ability*² : 20% (11.3 deg.)
- Wind speed : 100% performance in wind speed up to 10 m/s (22.5 MPH)

*¹ : Including base machine, counterweights : 308,700 lbs (140,000 kg), Carbody weights : 88,200 lbs (40,000 kg), Counterweight self removal device, 256 ft (78 m) standard boom, 100 ft (30.5 m) fixed jib and 50 US ton hook block.

*² : Including base machine, counterweights : 308,700 lbs (140,000 kg), Carbody weights : 88,200 lbs (40,000 kg), Counterweight self removal device, 78 ft (24 m) standard boom and 386 US ton hook block.

STANDARD CONFIGURATION CRANE - WORKING RANGES

Fixed Jib 30 deg.



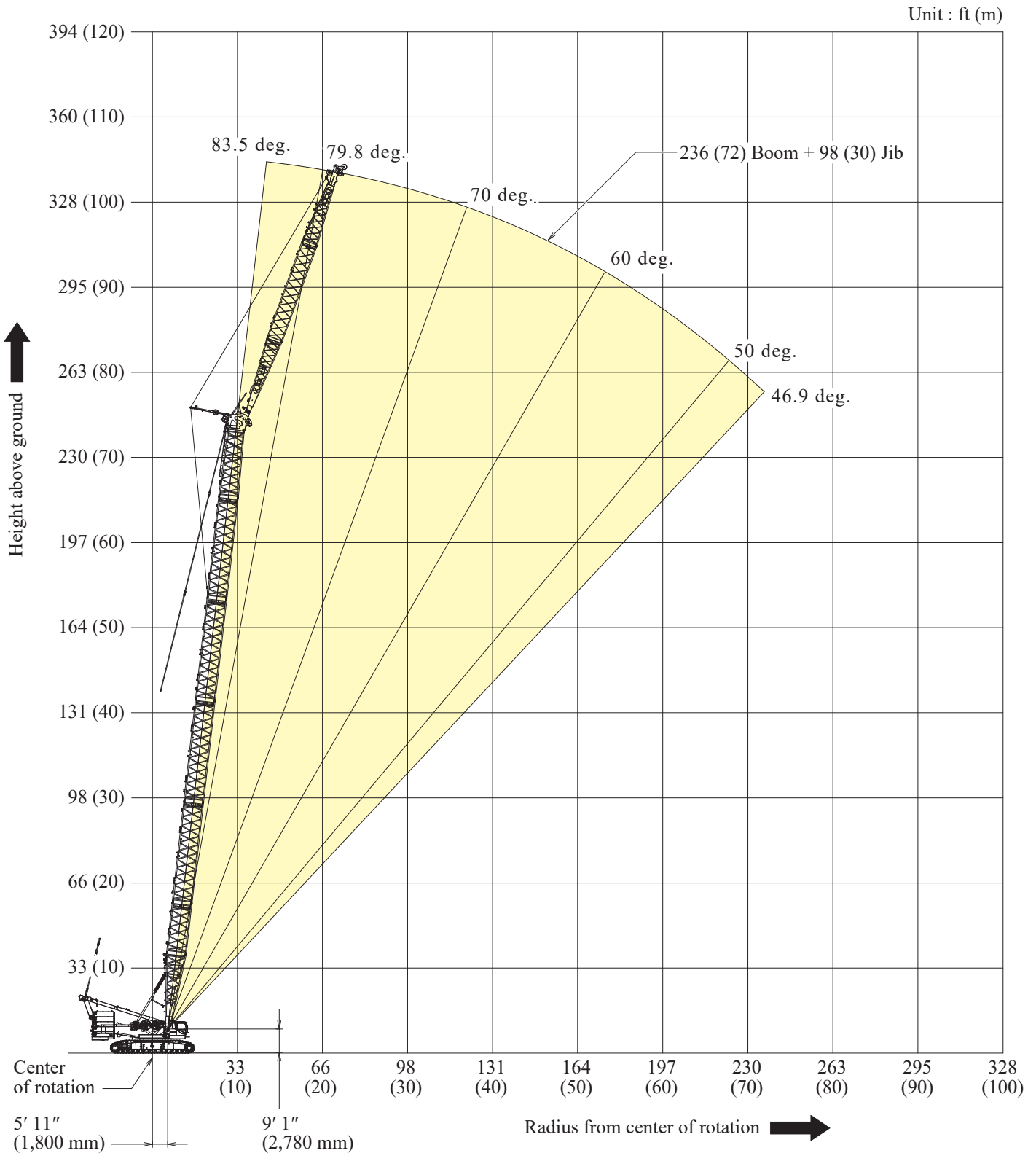
- Working weight*¹ : 757,570 lbs (343,630 kg)
- Ground bearing pressure*¹ : Approx. 20.9 psi (144 kPa)
- Grade - ability*² : 20% (11.3 deg.)
- Wind speed : 100% performance in wind speed up to 10 m/s (22.5 MPH)

*¹ : Including base machine, counterweights : 308,700 lbs (140,000 kg), Carbody weights : 88,200 lbs (40,000 kg), Counterweight self removal device, 256 ft (78 m) standard boom, 100 ft (30.5 m) fixed jib and 50 US ton hook block.

*² : Including base machine, counterweights : 308,700 lbs (140,000 kg), Carbody weights : 88,200 lbs (40,000 kg), Counterweight self removal device, 78 ft (24 m) standard boom and 386 US ton hook block.

CK3300G-2 CRANE - WORKING RANGES

Heavy Fixed Jib



- Working weight*¹ : 781,400 lbs (354,442 kg)
- Ground bearing pressure*¹ : Approx. 21.6 psi (149 kPa)
- Grade - ability*² : 20% (11.3 deg.)
- Wind speed : 100% performance in wind speed up to 10 m/s (22.5 MPH)

*¹ : Including base machine, counterweights : 308,700 lbs (140,000 kg), Carbody weights : 88,200 lbs (40,000 kg), Counterweight self removal device, 236 ft (72 m) standard boom, 98 ft (30 m) heavy fixed jib and 50 US ton hook block.

*² : Including base machine, counterweights : 308,700 lbs (140,000 kg), Carbody weights : 88,200 lbs (40,000 kg), Counterweight self removal device, 78 ft (24 m) standard boom and 386 US ton hook block.

STANDARD CONFIGURATION CRANE - BOOM AND JIB ARRANGEMENT

Boom Arrangement

Boom length : ft (m)	Boom arrangement	Aux. Sheave	Counterweight : lbs			
			220,500	264,600	308,600	352,700
78 (24)		○	○	○	○	○
98 (30)	* 	○	×	○	○	○
118 (36)	*	○	×	○	○	○
138 (42)	* 	○	×	○	○	○
157 (48)	*	○	×	○	○	○
177 (54)	* 	○	×	○	○	○
197 (60)	*	○	×	○	○	○
217 (66)	* 	○	×	○	○	○
236 (72)	*	○	×	○	○	○
256 (78)	* 	○	×	○	○	○
276 (84)	*	○	×	○	○	○
295 (90)	*	×	×	×	○	○

* Indicates the most flexible combination of boom inserts, which can be modified to form all shorter boom arrangements.

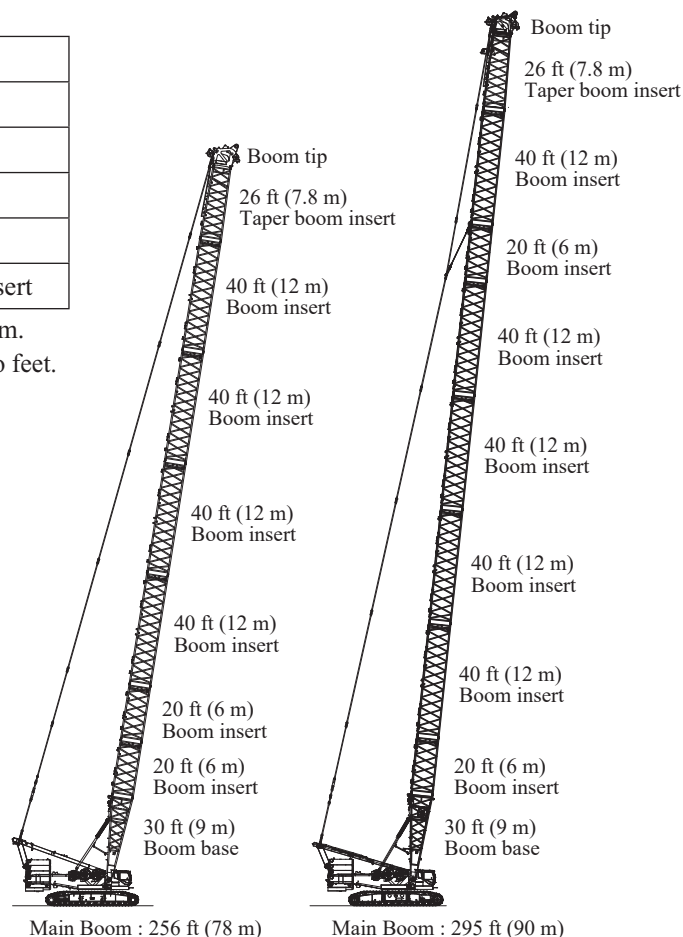
↗ Mark shows the position for center hitch link.

○ : Combinations which is allowed.

× : Combinations which is not allowed.

Symbol	Length	Remarks
	30 ft (9 m)	Boom Base
	4 ft (1.2 m)	Boom Tip
	20 ft (6 m)	Boom Insert
	40 ft (12 m)	Boom Insert
	26 ft (7.8 m)	Taper Boom Insert

* Actual length of boom sections are metric such as 6 m, 9 m and 12 m. The value shown above or in the chart are approximate conversions to feet.



Main Boom : 256 ft (78 m)

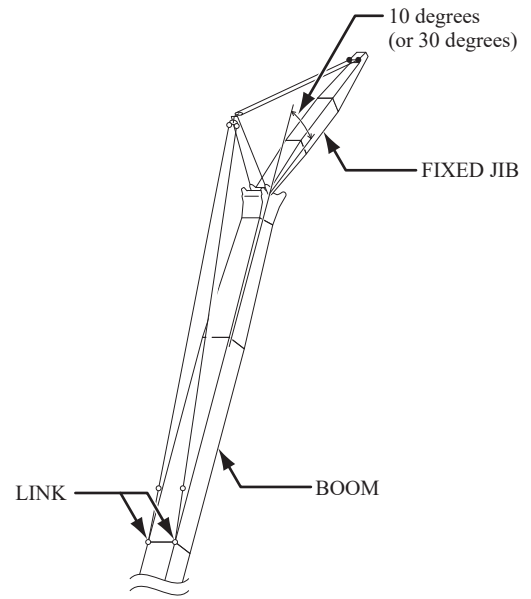
Main Boom : 295 ft (90 m)

CK3300G-2 CRANE - BOOM AND JIB ARRANGEMENTS

Fixed Jib Arrangement

Crane Boom length : ft (m)	Jib length : ft (m)	Jib arrangement
98 (30) to 256 (78)	40 (12.2)	
	60 (18.3)	
	80 (24.4)	
	100 (30.5)	

Symbol	Length	Remarks
	15 ft (4.6 m)	Jib Base
	15 ft (4.6 m)	Jib Tip
	10 ft (3.0 m)	Jib Insert
	20 ft (6.1 m)	Jib Insert

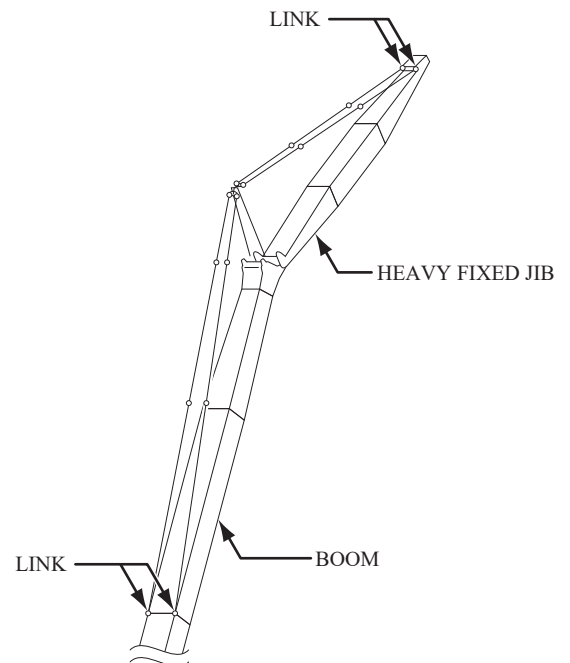


Heavy Fixed Jib Arrangement

Crane Boom length : ft (m)	Heavy jib length : ft (m)	Heavy jib arrangement
236 (72)	98 (30)	

Symbol	Length	Remarks
	30 ft (9 m)	Heavy (Luffing) Jib Base
	30 ft (9 m)	Heavy (Luffing) Jib Tip
	40 ft (12 m)	Heavy (Luffing) Jib Insert

*Actual length of heavy fixed jib sections are metric such as 9 m and 12 m. The value shown above or in the chart are approximate conversion to feet.



Boom and Fixed Jib

1. Rated loads included in the charts are the maximum allowable freely suspended loads at a given boom length, boom angle and load radius, and have been determined for the machine standing level on firm supporting surface under ideal operating conditions. The user must limit or derate rated loads to allow for adverse conditions (such as soft or uneven ground, out-of-level conditions, wind, side loads, pendulum action, jerking or sudden stopping of loads, inexperience of personnel, multiple machine lifts, and traveling with a load).
2. Rated loads do not exceed 75% of minimum tipping loads. Rated loads based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.
3. The machine must be reeved and set-up as stated in the operation manual and all the instruction manuals if these manuals are missing, obtain replacements.
 - Boom backstops are required for all boom lengths.
 - The crane must be leveled to within 1% on a firm supporting surface.
 - Counterweights and carbody weights are installed according to the instruction.
4. Do not attempt to lift where no ratings are shown as crane may tip or collapse.
5. Attempting to lift more than rated loads may cause machine to tip or collapse. Do not tip machine to determine capacity.
6. Weight of hooks, hook blocks, slings and other lifting devices are a part of the total load. Their total weight must be sub-tracted from the rated load to obtain the weight that can be lifted.
7. When lifting at boom point with jib or auxiliary sheave, rated loads for the boom must be deducted as shown below.
8. The total load that can be lifted over an auxiliary sheave is the value for 1,500 lbs deducted from rated load for the boom without auxiliary sheave, but it should not exceed auxiliary maximum hoist loads.
9. The total load that can be lifted at a jib is limited by rated jib loads.
10. Boom lengths that can attach auxiliary sheave are from 78 ft (24 m) to 276 ft (84 m).
11. Boom lengths for jib mounting are 98 ft (30 m) to 256 ft (78 m).
12. 40 ft (12.2 m) jib length with offset angle 10 degrees, one part of line on hook is not allowed to use.
13. The boom should be erected over the front of the crawlers, not laterally. When erecting and lowering the luffing boom at length of 256 ft (78 m) or over, the pillow plates for erection must be placed at the end of the crawlers.
14. The minimum rated load is as shown below

Crane boom	9,700 lbs (4.4 t)
Fixed jib	5,900 lbs (2.7 t)

15. Least stable position is over the side.

Aux. sheave for luffing boom

Deductions : lbs	1,500
------------------	-------

Fixed jib

Jib length : ft	40	60	80	100
Deductions : lbs	7,055	8,010	8,965	9,920

CK3300G-2 CRANE - SUPPLEMENTAL DATA

Boom and Fixed Jib

16. Maximum hoist load for number of reeving parts of line for hoist rope.

Main Boom Hoist Loads (Double Drum)

No. of Parts of line	4 (2×2)	6 (2×3)	8 (2×4)	10 (2×5)
Max. Loads : lbs	132,200	198,400	264,500	330,600
Max. Loads : t	60.0	90.0	120.0	150.0

No. of Parts of line	12 (2×6)	14 (2×7)	16 (2×8)	18 (2×9)
Max. Loads : lbs	396,800	462,900	529,100	595,200
Max. Loads : t	180.0	210.0	240.0	270.0

No. of Parts of line	20 (2×10)	22 (2×11)	24 (2×12)
Max. Loads : lbs	661,300	727,500	771,600
Max. Loads : t	300.0	330.0	350.0

Main Boom Hoist Loads (Single Drum)

No. of Parts of line	1	2	3	4
Max. Loads : lbs	33,000	66,100	99,200	132,200
Max. Loads : t	15.0	30.0	45.0	60.0

No. of Parts of line	5	6	7	8
Max. Loads : lbs	165,300	198,400	231,400	264,500
Max. Loads : t	75.0	90.0	105.0	120.0

No. of Parts of line	9	10	11	12
Max. Loads : lbs	297,600	330,600	363,700	396,800
Max. Loads : t	135.0	150.0	165.0	180.0

No. of Parts of line	13	14	15	16
Max. Loads : lbs	426,500	454,100	482,800	509,200
Max. Loads : t	193.5	206.0	219.0	231.0

No. of Parts of line	17	18	19	20
Max. Loads : lbs	536,800	562,100	588,600	613,900
Max. Loads : t	243.5	255.0	267.0	278.5

No. of Parts of line	21	22
Max. Loads : lbs	638,200	661,300
Max. Loads : t	289.5	300.0

Auxiliary Hoist Loads

No. of Parts of line	1	2
Max. Loads : lbs	33,000	66,100
Max. Loads : t	15.0	30.0

17. Maximum hoist load for number of reeving parts of line for hoist rope.

Jib Hoist Loads

No. of Parts of line	1	2
Max. Loads : lbs	29,700	59,500
Max. Loads : t	13.5	27.0

18. Weight of recommended hook block.

Hook block	386 USSt	220 USSt	110 USSt	50 USSt	BALL HOOK
Weight : lbs	14,110	9,040	5,950	4,850	1,985
Number of sheave	13	7	3	1	-

WARNING

If the weight of hook block to be used is lighter than the recommended weight, the boom may turnover backward or it is difficult to lower the empty hook block.

19. The rated load of work when the strut guy line for luffing jib is installed on the boom surface is value in the rated load chart minus the value in the table below.

Crane Boom

Boom length : ft	78	98	118	138
Reduced amount : lbs	2,600	2,400	2,400	2,400

Boom length : ft	157	177	197	217
Reduced amount : lbs	2,400	2,600	2,600	2,800

Boom length : ft	236	256	276	295
Reduced amount : lbs	2,800	3,000	2,600	2,800

Fixed Jib

Boom length : ft	98	118	138	157
Reduced amount : lbs	1,900	1,700	1,700	1,700

Boom length : ft	177	197	217	236
Reduced amount : lbs	1,700	1,700	1,900	2,200

Boom length : ft	256
Reduced amount : lbs	2,200

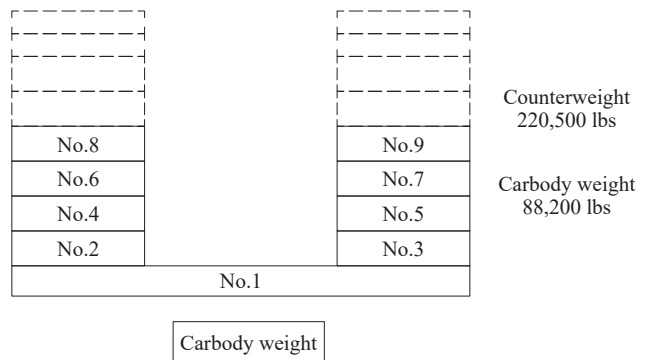
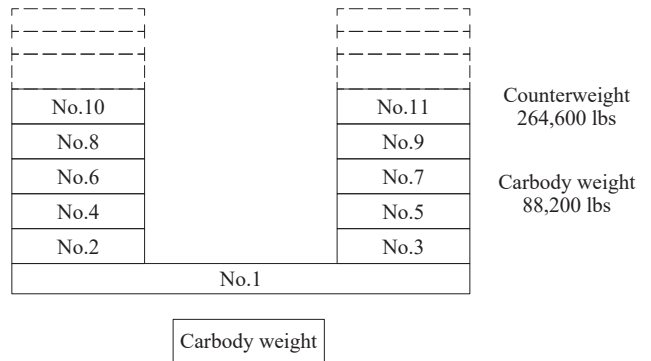
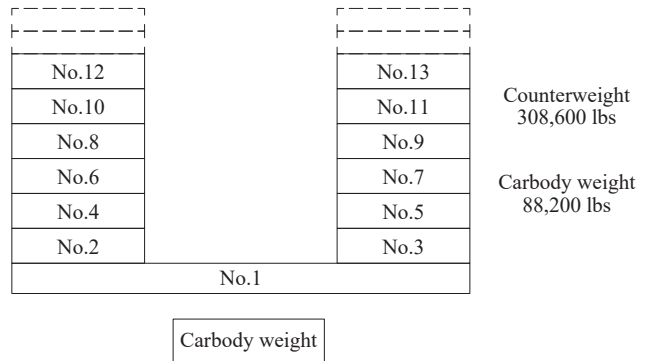
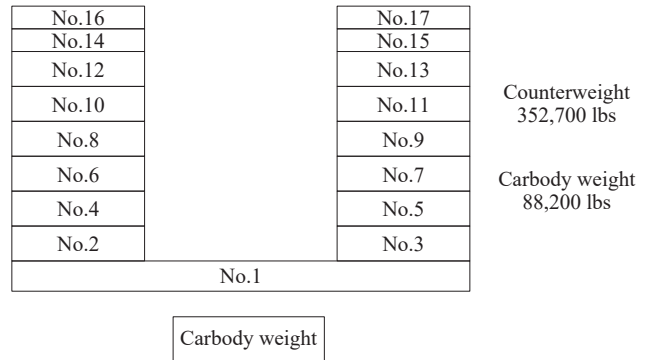
Boom and Fixed Jib

20. Lifting capacities listed apply only to the machine as originally manufactured and designed by KOBELCO CONSTRUCTION MACHINERY CO.,LTD. Modifications to this machine or use of equipment other than that specified can reduce operating capacity.
21. Designed and rated to comply with ASME B30.5-2014.

Operation of this equipment in excess of rated loads or disregard of instruction voids the warranty.

[Reference Information]

Assembling the counterweight



Heavy Fixed Jib

1. Rated loads included in the charts are the maximum allowable freely suspended loads at a given boom length, boom angle and load radius, and have been determined for the machine standing level on firm supporting surface under ideal operating conditions. The user must limit or derate rated loads to allow for adverse conditions (such as soft or uneven ground, out-of-level conditions, wind, side loads, pendulum action, jerking or sudden stopping of loads, inexperience of personnel, multiple machine lifts, and traveling with a load).
2. Rated loads do not exceed 75% of minimum tipping loads. Rated loads based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.
3. The machine must be reeved and set-up as stated in the operation manual and all the instruction manuals if these manuals are missing, obtain replacements.
 - Boom backstops are required for all boom lengths.
 - The crane must be leveled to within 1% on a firm supporting surface.
 - Counterweights and carbody weights are fully installed.
4. Do not attempt to lift where no ratings are shown as crane may tip or collapse.
5. Attempting to lift more than rated loads may cause machine to tip or collapse. Do not tip machine to determine capacity.
6. Weight of hooks, hook blocks, slings and other lifting devices are a part of the total load. Their total weight must be sub-tracted from the rated load to obtain the weight that can be lifted.
7. Boom and Jib combinations 236 ft (72 m) boom and 98 ft (30 m) jib.
8. The boom should be erected and lowered over the front of the crawlers. The blocks must be placed at the end of the crawlers for erection and lowering.
9. The minimum rated load is 5,900 lbs (2.7 t).

10. Maximum hoist load for number of reeving parts of line for hoist rope.

Heavy Jib Hoist Loads

No. of Parts of line	1	2	3
Max. Loads : lbs	30,870	61,740	88,200
Max. Loads : t	13.7	27.5	39.2

11. Weight of recommended hook block.

Hook block	50 USt
Weight : lbs	4,850
Number of sheave	1



If the weight of hook block to be used is lighter than the recommended weight, the boom may turnover backward or it is difficult to lower the empty hook block.

12. The rated load of work when the strut guy line for luffing jib is installed on the boom surface is value in the rated load chart minus the value in the table below.

Boom length : ft	236
Reduced amount : lbs	2,200

13. Least stable position is over the side.
14. Lifting capacities listed apply only to the machine as originally manufactured and designed by KOBELCO CONSTRUCTION MACHINERY CO.,LTD. Modifications to this machine or use of equipment other than that specified can reduce operating capacity.
15. Designed and rated to comply with ASME B30.5-2014.

Operation of this equipment in excess of rated loads or disregard of instruction voids the warranty.

CK3300G-2

MAIN BOOM LIFT CAPACITY

78 ft Boom		98 ft Boom		118 ft Boom		138 ft Boom		157 ft Boom		177 ft Boom	
Load Radius (ft)	360° Rated Load (lbs)	Load Radius (ft)	360° Rated Load (lbs)	Load Radius (ft)	360° Rated Load (lbs)	Load Radius (ft)	360° Rated Load (lbs)	Load Radius (ft)	360° Rated Load (lbs)	Load Radius (ft)	360° Rated Load (lbs)
18.1	661,300 *										
19	629,100 *										
20	597,700 *										
22	544,900 *			22	542,300 *						
24	498,900 *			24	498,900 *	24	497,000 *				
26	459,400 *	26.3	454,500 *	26	459,400 *	26	459,200 *	26	458,800 *	27.9	427,600 *
28	427,300 *	28	427,400 *	28	427,400 *	28	427,400 *	28	427,400 *	28	426,000 *
30	398,000 *	30	398,000 *	30	398,000 *	30	398,000 *	30	398,000 *	30	398,000 *
32	373,400 *	32	373,400 *	32	373,400 *	32	373,400 *	32	373,400 *	32	373,400 *
34	352,500 *	34	352,500 *	34	352,500 *	34	352,500 *	34	352,500 *	34	352,500 *
36	334,000 *	36	334,000 *	36	334,000 *	36	334,000 *	36	334,000 *	36	334,000 *
38	315,500 *	38	315,500 *	38	315,500 *	38	315,500 *	38	315,500 *	38	315,500 *
40	297,300 *	40	297,300 *	40	298,700 *	40	298,700 *	40	298,700 *	40	298,700 *
42	279,400 *	42	279,400 *	42	285,500 *	42	285,500 *	42	285,500 *	42	285,500 *
44	261,600	44	261,600	44	272,400 *	44	272,400 *	44	272,400 *	44	272,400 *
46	259,300 *	46	259,300 *	46	259,300 *	46	259,300 *	46	259,300 *	46	259,300 *
48	249,000 *	48	249,000 *	48	248,400 *	48	248,000 *	48	247,600 *	48	249,400 *
50	238,700	50	238,600	50	237,500	50	236,700	50	236,000	50	239,400 *
55	212,900	55	212,600	55	210,900	55	217,400 *	55	217,400 *	55	217,400 *
60	188,000	60	199,000 *	60	199,000 *	60	198,800 *	60	198,600 *	60	198,300 *
65	168,400	65	183,500 *	65	183,500 *	65	182,700	65	181,300 *	65	179,100 *
70	168,500	70	168,200	70	167,000	70	165,900	70	164,500	70	162,600
75	153,300 *	75	153,900	75	152,100	75	150,800	75	149,500	75	147,800
76.1	149,900 *	80	140,900	80	139,100	80	137,800	80	136,400	80	134,700
		85	129,600	85	128,000	85	126,500	85	125,200	85	123,400
		90	120,200	90	118,500	90	117,000	90	115,700	90	113,900
		93.1	114,600	95	110,200	95	108,500	95	107,200	95	105,400
				100	102,800	100	101,000	100	99,600	100	97,900
				110	90,200	110	88,400	110	86,900	110	85,100
				110.2	89,900	120	78,100	120	76,500	120	74,700
						127.2	71,800	130	68,100	130	66,200
								140	61,300	140	59,200
								144.3	58,400	150	53,100
										160	47,800
										161.4	47,100

COUNTER WEIGHT	220,500 lbs
	264,600 lbs
	308,600 lbs
	352,700 lbs

STANDARD CONFIGURATION

197 ft Boom		217 ft Boom		236 ft Boom		256 ft Boom		276 ft Boom		295 ft Boom	
Load Radius (ft)	360° Rated Load (lbs)	Load Radius (ft)	360° Rated Load (lbs)	Load Radius (ft)	360° Rated Load (lbs)	Load Radius (ft)	360° Rated Load (lbs)	Load Radius (ft)	360° Rated Load (lbs)	Load Radius (ft)	360° Rated Load (lbs)
29.9	399,600 *										
30	397,900 *	31.9	375,000 *								
32	373,400 *	32	372,900 *	33.8	321,400 *						
34	352,500 *	34	352,500 *	34	320,700 *	35.8	270,700 *				
36	334,000 *	36	334,000 *	36	314,100 *	36	270,300 *	37.8	233,000 *		
38	315,500 *	38	315,500 *	38	307,400 *	38	267,500 *	38	232,900 *	39.7	187,300 *
40	298,700 *	40	298,700 *	40	298,700 *	40	264,700 *	40	232,000 *	40	187,300 *
42	285,500 *	42	285,500 *	42	285,500 *	42	262,000 *	42	231,000 *	42	187,300 *
44	272,400 *	44	272,400 *	44	272,400 *	44	259,200 *	44	230,000 *	44	187,300 *
46	259,300 *	46	259,300 *	46	259,300 *	46	256,200 *	46	229,000 *	46	187,300 *
48	249,400 *	48	249,400 *	48	249,400 *	48	247,000 *	48	227,600 *	48	187,300 *
50	239,400 *	50	239,400 *	50	239,400 *	50	237,700 *	50	226,300 *	50	187,300 *
55	216,700 *	55	215,800 *	55	215,100 *	55	213,800 *	55	212,100 *	55	187,300 *
60	196,300 *	60	194,100 *	60	192,300 *	60	190,100 *	60	188,300 *	60	184,100 *
65	177,100 *	65	174,900 *	65	173,200 *	65	170,800 *	65	169,000 *	65	167,000 *
70	161,100	70	159,000 *	70	157,300 *	70	155,000 *	70	153,100 *	70	151,300 *
75	146,500	75	144,800 *	75	143,400 *	75	141,100 *	75	139,200 *	75	137,400 *
80	133,400	80	132,000	80	131,200	80	128,900 *	80	127,100 *	80	125,200 *
85	122,100	85	120,600	85	119,900	85	118,300	85	116,600 *	85	114,600 *
90	112,600	90	111,000	90	110,200	90	108,700	90	107,200	90	105,600 *
95	104,100	95	102,600	95	101,700	95	100,100	95	98,700	95	97,400 *
100	96,500	100	95,000	100	94,100	100	92,400	100	91,000	100	90,000 *
110	83,800	110	82,100	110	81,100	110	79,400	110	78,100	110	77,200
120	73,300	120	71,600	120	70,700	120	69,000	120	67,500	120	66,700
130	64,700	130	62,900	130	62,000	130	60,300	130	58,700	130	57,900
140	57,600	140	55,900	140	54,800	140	53,100	140	51,500	140	50,600
150	51,500	150	49,600	150	48,500	150	46,800	150	45,200	150	44,300
160	46,200	160	44,200	160	43,100	160	41,300	160	39,700	160	38,800
170	41,700	170	39,700	170	38,400	170	36,600	170	34,900	170	34,000
178.4	38,300	180	35,800	180	34,500	180	32,500	180	30,800	180	29,900
		190	32,200	190	30,900	190	28,900	190	27,200	190	26,200
		195.5	30,400	200	27,700	200	25,700	200	23,900	200	22,800
				210	24,900	210	22,900	210	20,900	210	19,600 *
				212.5	24,200	220	20,400	220	18,400	220	16,700 *
						229.3	17,800 *	230	15,800 *	230	14,100 *
								240	13,400 *	236.2	12,500 *
								246.4	11,900 *		

Ratings shown in in the table require double-drum specifications.

Note : Designed and rated to comply with ASME Code B30.5

Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.

Refer to notes on 25 to 26.

CK3300G-2 CRANE - LIFTING CAPACITY

Main Boom Lift Capacity

Counterweights : 220,500 lbs (100,000 kg) Carbody weights : 88,200 lbs (40,000 kg)

78 ft (24 m) Boom																
Load Radius (ft)	Boom Angle (deg.)	360° Rated Load (lbs)														
18.1	84.2	661,300 *														
19.0	83.5	629,100 *														
20.0	82.8	597,700 *														
22.0	81.3	544,900 *														
24.0	79.8	498,900 *														
26.0	78.3	459,400 *														
28.0	76.8	427,300 *														
30.0	75.3	397,100 *														
32.0	73.8	369,700 *														
34.0	72.2	342,900 *														
36.0	70.7	316,500 *														
38.0	69.1	290,100														
40.0	67.5	266,600														
42.0	65.9	249,600														
44.0	64.2	232,500														
46.0	62.6	215,600														
48.0	60.9	204,000														
50.0	59.1	192,500														
55.0	54.6	167,600														
60.0	49.8	147,800														
65.0	44.6	132,000														
70.0	38.8	119,100														
75.0	32.1	107,900														
76.1	30.3	105,600														

Ratings shown in in the table require double-drum specifications.

Note : Designed and rated to comply with ASME Code B30.5

Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.

Refer to notes on 25 to 26.

CK3300G-2 CRANE - LIFTING CAPACITY

Fixed Jib Lift Capacity (without main hook)

Counterweights : 308,600 lbs (140,000 kg) Carbody weights : 88,200 lbs (40,000 kg)

256 ft (78 m) Boom																								
40 ft jib						60 ft jib						80 ft jib						100 ft jib						
Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)						Offset Angle (deg.)						
10			30			10			30			10			30			10			30			
Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)	
62.9	80.0	51,700				70.1	80.0	37,100 *				76.6	80.0	20,700 *				80.6	80.0	12,300 *				
65.0	79.6	51,200				75.0	79.0	36,700 *				80.0	79.2	20,500 *				85.0	79.1	12,100 *				
70.0	78.6	50,100	74.7	80.0	41,000 *	80.0	78.1	36,300 *				85.0	78.3	20,300 *				90.0	78.3	11,900 *				
75.0	77.6	49,000	75.0	79.9	41,000 *	85.0	77.2	35,900 *	88.6	80.0	29,000 *	90.0	77.5	20,100 *				95.0	77.4	11,700 *				
80.0	76.6	47,900	80.0	78.9	40,000 *	90.0	76.3	35,500 *	90.0	79.5	28,800 *	95.0	76.6	19,900 *				100.0	76.6	11,500 *				
85.0	75.6	46,800 *	85.0	77.9	39,000 *	95.0	75.4	35,100 *	95.0	78.6	28,400 *	100.0	75.8	19,700 *	100.1	80.0	17,000 *	110.0	74.9	11,200 *	110.3	80.0	9,000 *	
90.0	74.6	45,700 *	90.0	76.9	38,000 *	100.0	74.4	34,700 *	100.0	77.6	28,000 *	110.0	73.9	19,400 *	110.0	78.0	16,600 *	120.0	73.2	10,900 *	120.0	78.1	8,800 *	
95.0	73.6	44,600 *	95.0	75.9	37,000 *	110.0	72.5	33,900 *	110.0	75.7	27,200 *	120.0	72.2	19,100 *	120.0	76.2	16,300 *	130.0	71.6	10,600 *	130.0	76.4	8,600 *	
100.0	72.6	43,500 *	100.0	74.8	36,000 *	120.0	70.6	33,100 *	120.0	73.7	26,400 *	130.0	70.4	18,800 *	130.0	74.4	16,000 *	140.0	69.9	10,300 *	140.0	74.6	8,400 *	
110.0	70.6	41,200 *	110.0	72.8	34,200 *	130.0	68.7	32,800 *	130.0	71.8	25,600 *	140.0	68.5	18,500 *	140.0	72.4	15,700 *	150.0	68.1	10,000 *	150.0	72.9	8,200 *	
120.0	68.5	36,100 *	120.0	70.7	32,400 *	140.0	66.7	28,300 *	140.0	69.7	24,800 *	150.0	66.7	18,200 *	150.0	70.5	15,400 *	160.0	66.4	9,700 *	160.0	71.1	8,000 *	
130.0	66.4	31,300 *	130.0	68.6	30,600 *	150.0	64.7	25,100 *	150.0	67.7	24,000 *	160.0	64.8	17,900 *	160.0	68.7	15,100 *	170.0	64.7	9,400 *	170.0	69.3	7,800 *	
140.0	64.3	27,300	140.0	66.4	29,000 *	160.0	62.7	22,000 *	160.0	65.6	23,200 *	170.0	62.9	17,600 *	170.0	66.7	14,800 *	180.0	62.8	9,100 *	180.0	67.4	7,600 *	
150.0	62.1	23,800	150.0	64.2	25,200 *	170.0	60.6	19,300 *	170.0	63.5	21,900 *	180.0	60.9	17,300 *	180.0	64.7	14,500 *	190.0	61.0	8,800 *	190.0	65.5	7,400 *	
160.0	59.9	20,800	160.0	62.0	22,100 *	180.0	58.4	16,800 *	180.0	61.3	18,700 *	190.0	58.9	17,000 *	190.0	62.6	14,200 *	200.0	59.1	8,500 *	200.0	63.6	7,300 *	
170.0	57.7	18,400	170.0	59.7	19,500 *	190.0	56.3	15,000	190.0	59.1	16,500 *	200.0	56.9	14,500 *	200.0	60.6	13,900 *	210.0	57.1	8,200 *	210.0	61.6	7,200 *	
180.0	55.4	15,700	180.0	57.4	17,000	200.0	54.0	13,100	200.0	56.8	14,800 *	210.0	54.8	12,700 *	210.0	58.4	13,600 *	220.0	55.2	7,900 *	220.0	59.6	7,100 *	
190.0	52.9	14,000	190.0	54.9	14,900	210.0	51.7	11,400	210.0	54.4	12,800 *	220.0	52.7	11,300 *	220.0	56.2	13,100 *	230.0	53.2	7,600 *	230.0	57.5	7,000 *	
200.0	50.5	12,100	200.0	52.4	13,100	220.0	49.4	10,400	220.0	52.0	11,800 *	230.0	50.5	9,700 *	230.0	53.9	11,000 *	240.0	51.1	7,300 *	240.0	55.3	6,900 *	
210.0	47.9	10,100	210.0	49.7	11,300	230.0	47.0	9,400	230.0	49.5	10,800 *	240.0	48.1	8,600 *	240.0	51.5	9,600 *	250.0	49.0	7,000 *	250.0	53.2	6,800 *	
220.0	45.2	9,100	220.0	47.0	9,600	240.0	44.3	8,400	240.0	46.8	9,800	250.0	45.8	7,300 *	250.0	49.0	8,300 *	260.0	46.7	6,800 *	260.0	50.9	6,700 *	
230.0	42.4	7,600	230.0	44.1	8,000	250.0	41.6	7,400	250.0	44.0	8,800	260.0	43.3	6,300	260.0	46.4	7,100	270.0	44.4	6,700 *	270.0	48.4	6,600 *	
			240.0	41.0	6,400	260.0	38.7	6,300	260.0	40.9	7,900										280.0	45.9	6,400	
											270.0	37.7	7,000									290.0	43.3	6,200
											280.0	34.1	6,100									300.0	40.4	6,000
Reeves	2		Reeves	2		Reeves	2		Reeves	1		Reeves	1		Reeves	1		Reeves	1		Reeves	1		

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

Note : Designed and rated to comply with ASME Code B30.5

Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.

Refer to notes on 25 to 26.

STANDARD CONFIGURATION CRANE - LIFTING CAPACITY

Heavy Fixed Jib Lift Capacity

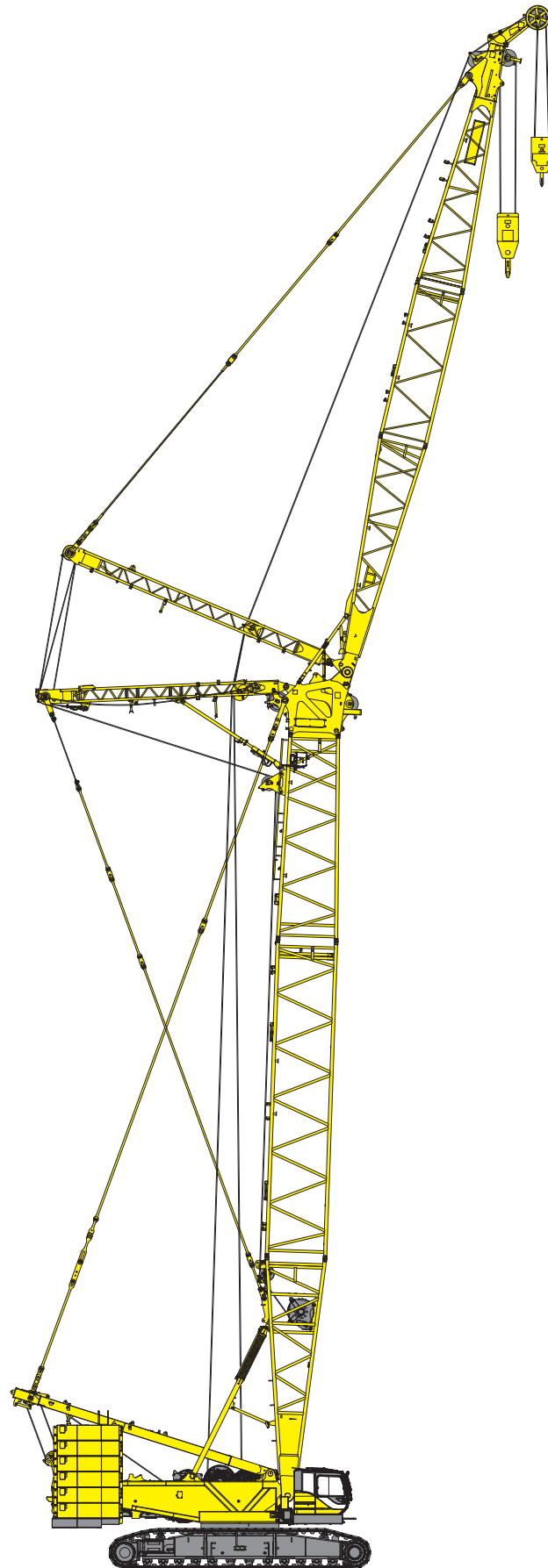
Counterweights : 308,600 lbs (140,000 kg) Carbody weights : 88,200 lbs (40,000 kg)

236 ft (72 m) Boom																
98 ft jib																
Load Radius (ft)	Boom Angle (deg.)	Rated Load (lbs)														
72.2	83.5	88,200 *														
75.0	83.0	84,900 *														
80.0	82.1	79,500 *														
85.0	81.2	74,800 *														
90.0	80.4	70,500 *														
95.0	79.5	66,900 *														
100.0	78.6	63,800 *														
110.0	76.8	57,800 *														
120.0	75.0	53,000 *														
130.0	73.2	48,900 *														
140.0	71.4	45,100 *														
150.0	69.5	41,100 *														
160.0	67.6	36,300 *														
170.0	65.7	31,800 *														
180.0	63.7	27,800 *														
190.0	61.7	24,100 *														
200.0	59.6	20,900 *														
210.0	57.5	17,800 *														
220.0	55.3	14,900 *														
230.0	53.1	12,200 *														
240.0	50.8	10,000 *														
250.0	48.4	7,900 *														
255.9	46.9	6,600 *														
Reeves		3														

Note : Designed and rated to comply with ASME Code B30.5
Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.
Refer to notes on 28.

CK3300G-2 LUFFING - GENERAL DIMENSIONS

Luffing Jib



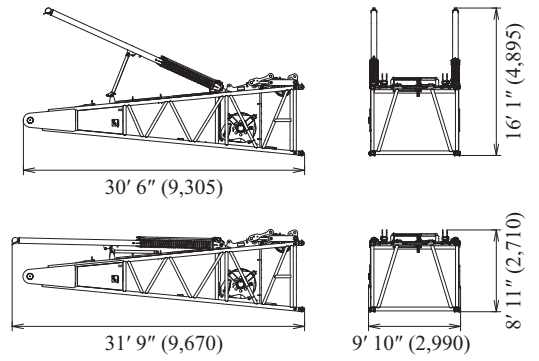
STANDARD CONFIGURATION LUFFING - DIMENSIONS & WEIGHT

Dimensions : ft-in (mm) Weight : lbs (kg)

30 ft (9 m) Boom Base

Weight : 27,935 lbs (12,675 kg)

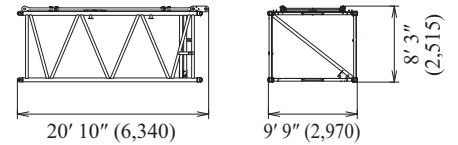
- W2 winch and wire rope ○
- Guide sheave ○
- Boom backstop ○
- Walkway ○
- Guy lines for boom and strut guy lines ○
- Reeving winch and wire rope ○



20 ft (6 m) Boom Insert

Weight : 5,530 lbs (2,510 kg)

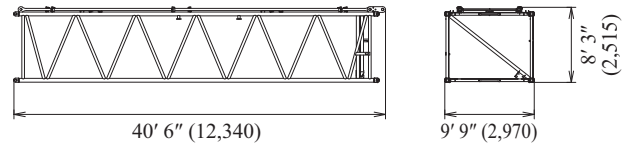
Includes walkway, guy lines for boom and strut guy lines.



40 ft (12 m) Boom Insert

Weight : 9,645 lbs (4,375 kg)

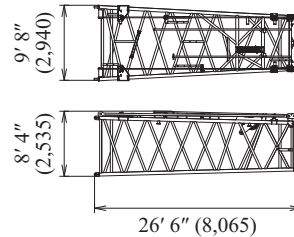
Includes walkway, guy lines for boom and strut guy lines.



26 ft (7.8 m) Taper Boom Insert

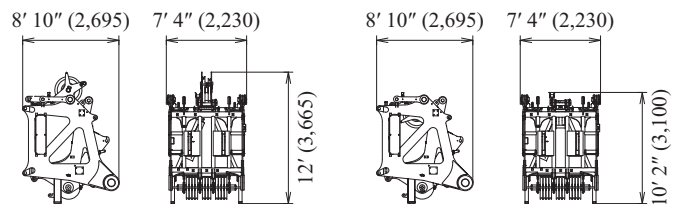
Weight : 7,995 lbs (3,630 kg)

Includes walkway, guide sheave, guy lines for boom and strut guy lines.



Boom Tip

Weight : 10,100 lbs (4,580 kg)



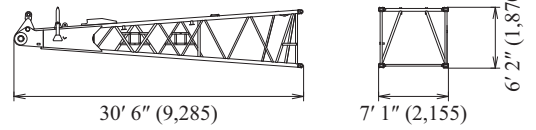
CK3300G-2

LUFFING - DIMENSIONS & WEIGHT

Dimensions : ft-in (mm) Weight : lbs (kg)

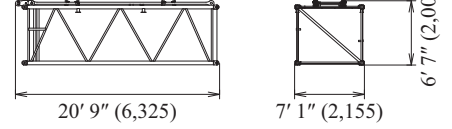
Luffing Jib Base

Weight : 6,100 lbs (2,770 kg)
Includes walkway.



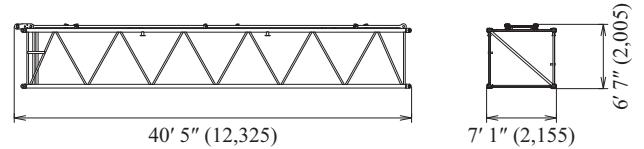
20 ft (6 m) Luffing Jib Insert

Weight : 2,370 lbs (1,075 kg)
Includes guy lines and walkway.



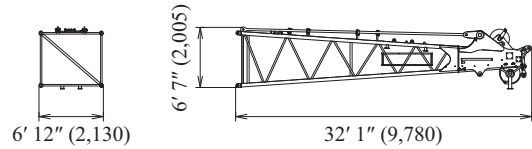
40 ft (12 m) Luffing Jib Insert

Weight : 4,170 lbs (1,890 kg)
Includes guy lines and walkway.



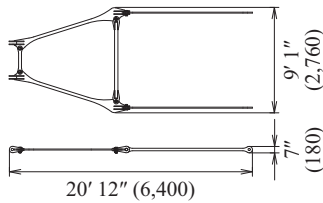
Luffing Jib Tip

Weight : 6,615 lbs (3,000 kg)
Includes guy lines and walkway.



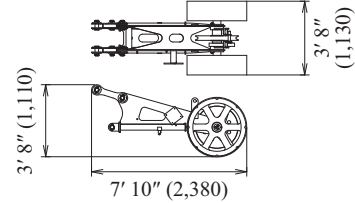
Link Assy

Weight : 825 lbs (375 kg)



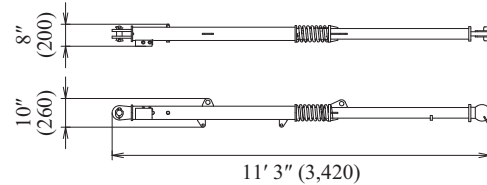
Auxiliary Sheave

Weight : 1,620 lbs (735 kg)



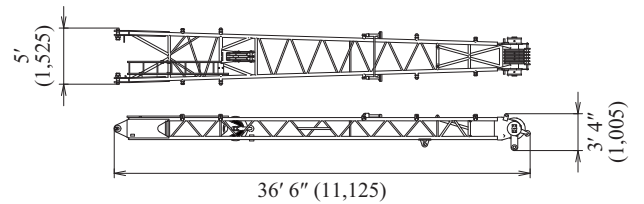
Luffing Jib back stop

Weight : 650 lbs (295 kg)



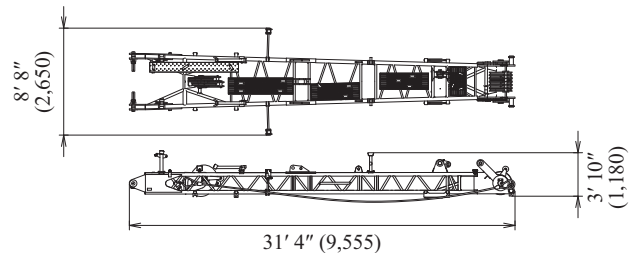
Front Strut (Luffing Jib)

Weight : 4,585 lbs (2,080 kg)



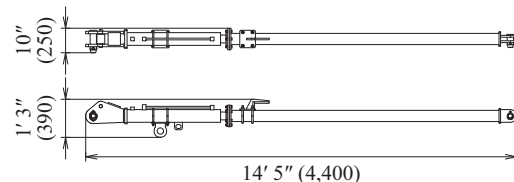
Rear Strut (Luffing Jib)

Weight : 5,335 lbs (2,420 kg)
Includes sling and walkway.



Luffing Jib Strut Backstop

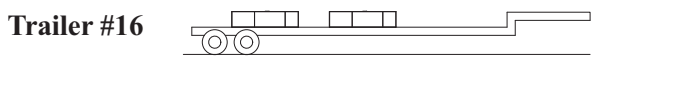
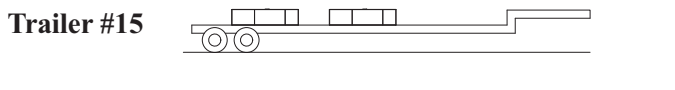
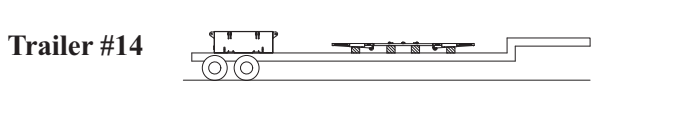
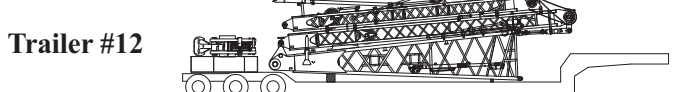
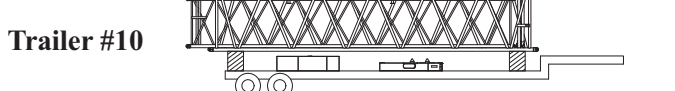
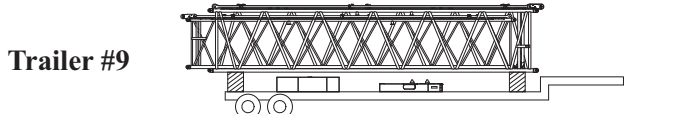
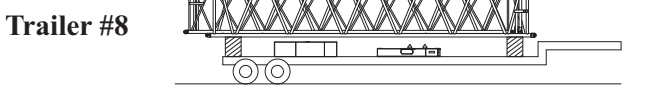
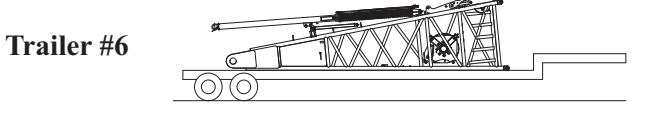
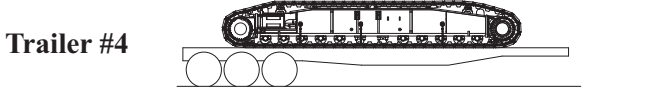
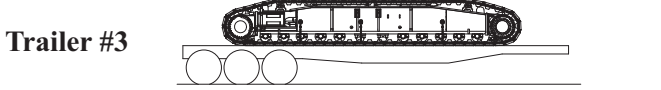
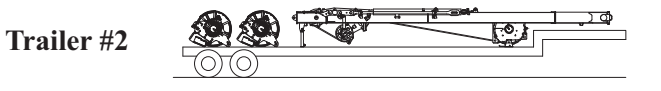
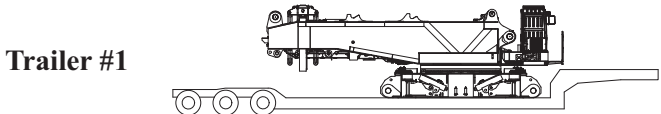
Weight : 490 lbs (225 kg)



STANDARD CONFIGURATION LUFFING - TRANSPORTATION PLAN

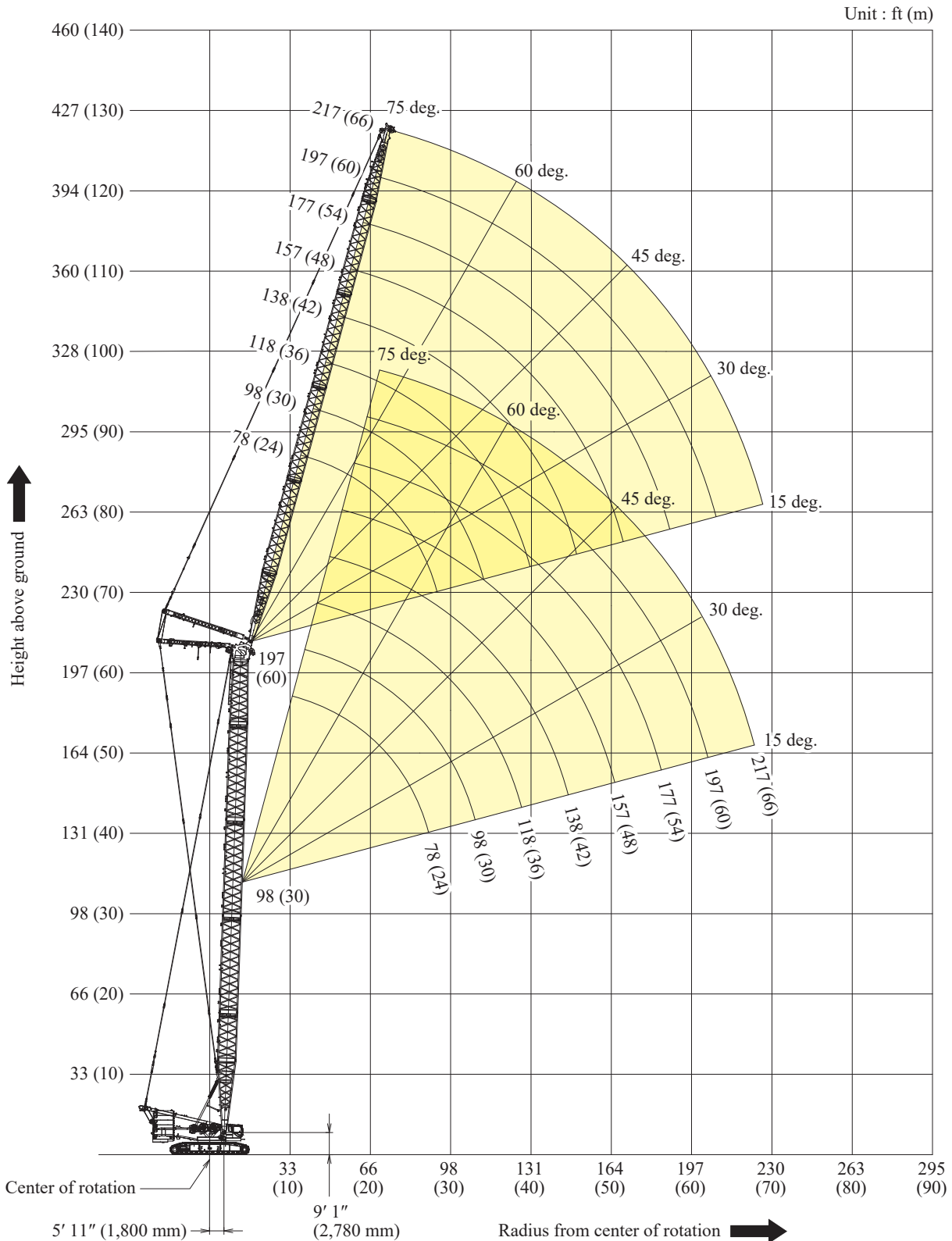
Configuration : Standard LF 197' + 197' (Counterweight : 308,600 lbs, Carbody weight 88,200 lbs)

Item	Qty.	Net wt.		Trailer																
		k-lbs	m-ton	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	
Base machine without H1 and H2 hoist winch	1	91.3	41.4	1																
H1 hoist none free fall winch with 1,969' wire rope	1	10.4	4.7		1															
H2 hoist none free fall winch with 1,969' wire rope	1	10.4	4.7		1															
Standard mast w/W1 winch	1	22.6	10.2		1															
Left crawler frame with 52" shoe	1	64.8	29.4			1														
Right crawler frame with 52" shoe	1	64.8	29.4				1													
Base counterweight	1	44.1	20.0					1												
Counterweight (20,050 lbs)	10	22.1	10.0									1	1	1	1	1	1		2	2
Counterweight (11,025 lbs)	4	11.0	5.0									1	1	1			1			
Base carbody weight	2	38.7	17.6								1								1	
Carbody weight w/step	2	6.1	2.8											1					1	
Base boom w/W2 winch	1	27.9	12.7						1											
20' boom insert (**)	1	5.5	2.5							1										
40' boom insert (**)	3	9.6	4.4									1	1	1						
Boom tip w/26' taper boom (**)	1	18.1	8.2												1					
Base jib w/Fr and Re strut	1	19.5	8.9													1				
20' jib insert w/guy lines	1	2.4	1.1								1									
40' jib insert w/guy lines	3	4.2	1.9										1	1	1					
Jib tip w/Aux.sheave and guy lines	1	8.2	3.7															1		
50 US ton hook block	1	4.9	2.2													1				
15 US ton ball hook	1	2.0	0.9															1		
(**) : including guy lines for crane and luffing strut.		Gross wt. (×1,000 lbs)		91.3	43.4	64.8	64.8	44.1	27.9	46.6	46.9	46.9	46.9	46.3	46.4	43.3	44.8	44.1	44.1	



CK3300G-2 LUFFING - WORKING RANGES

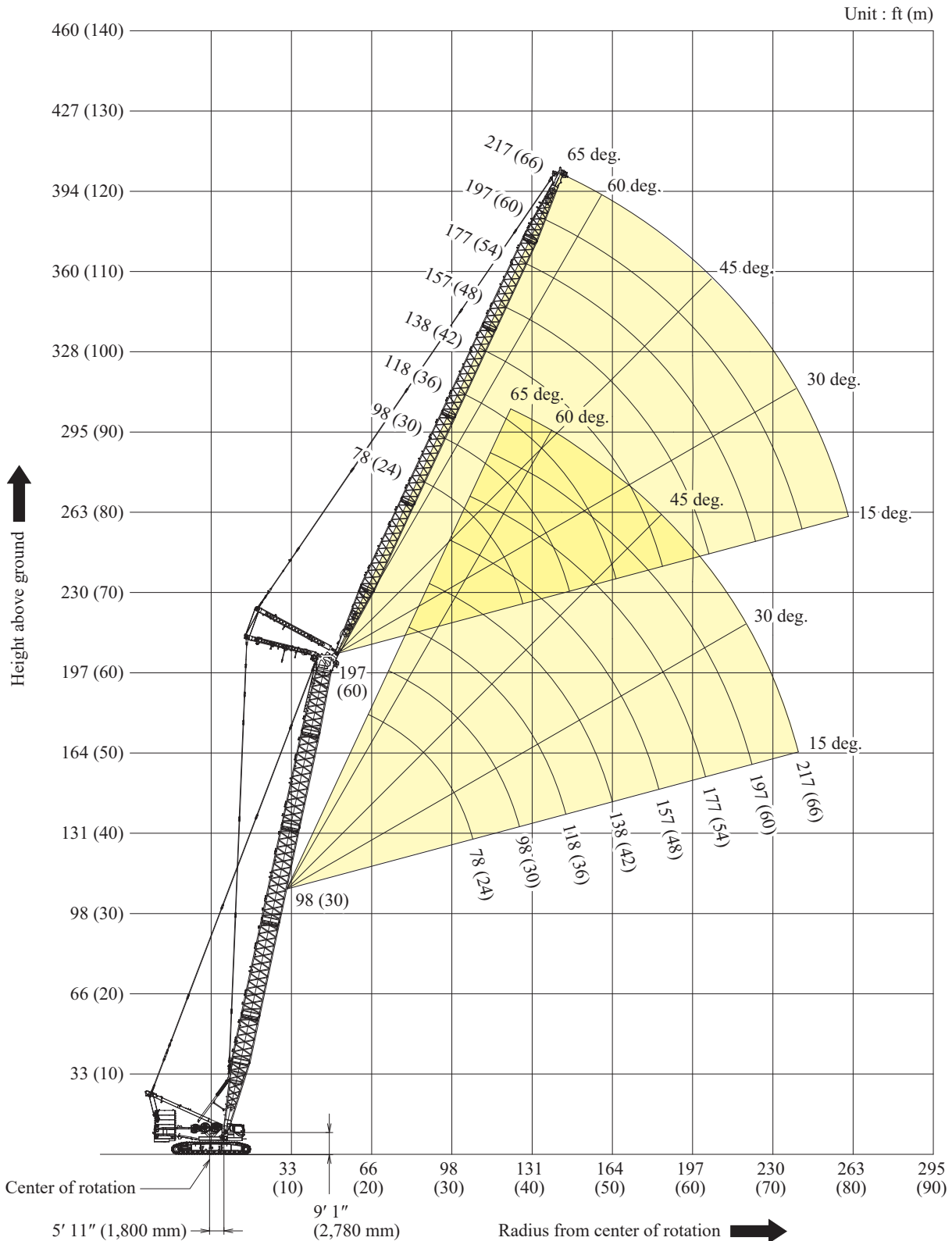
Luffing Jib 88 deg



- Working weight*¹ : 794,490 lbs (360,375 kg)
 - Ground bearing pressure*¹ : Approx. 21.9 psi (151 kPa)
 - Grade - ability*² : 20% (11.3 deg.)
 - Wind speed : 100% performance in wind speed up to 10 m/s (22.5 MPH)
- *¹ : Including base machine, counterweights : 308,600 lbs (140,000 kg), Carbody weights : 88,200 lbs (40,000 kg), Counterweight self removal device, 197 ft (60 m) luffing boom, 217 ft (66 m) luffing jib and 50 US ton hook block.
- *² : Including base machine, counterweights : 308,600 lbs (140,000 kg), Carbody weights : 88,200 lbs (40,000 kg), Counterweight self removal device, 78 ft (24 m) luffing boom and 386 US ton hook block.

STANDARD CONFIGURATION LUFFING - WORKING RANGES

Luffing Jib 78 deg



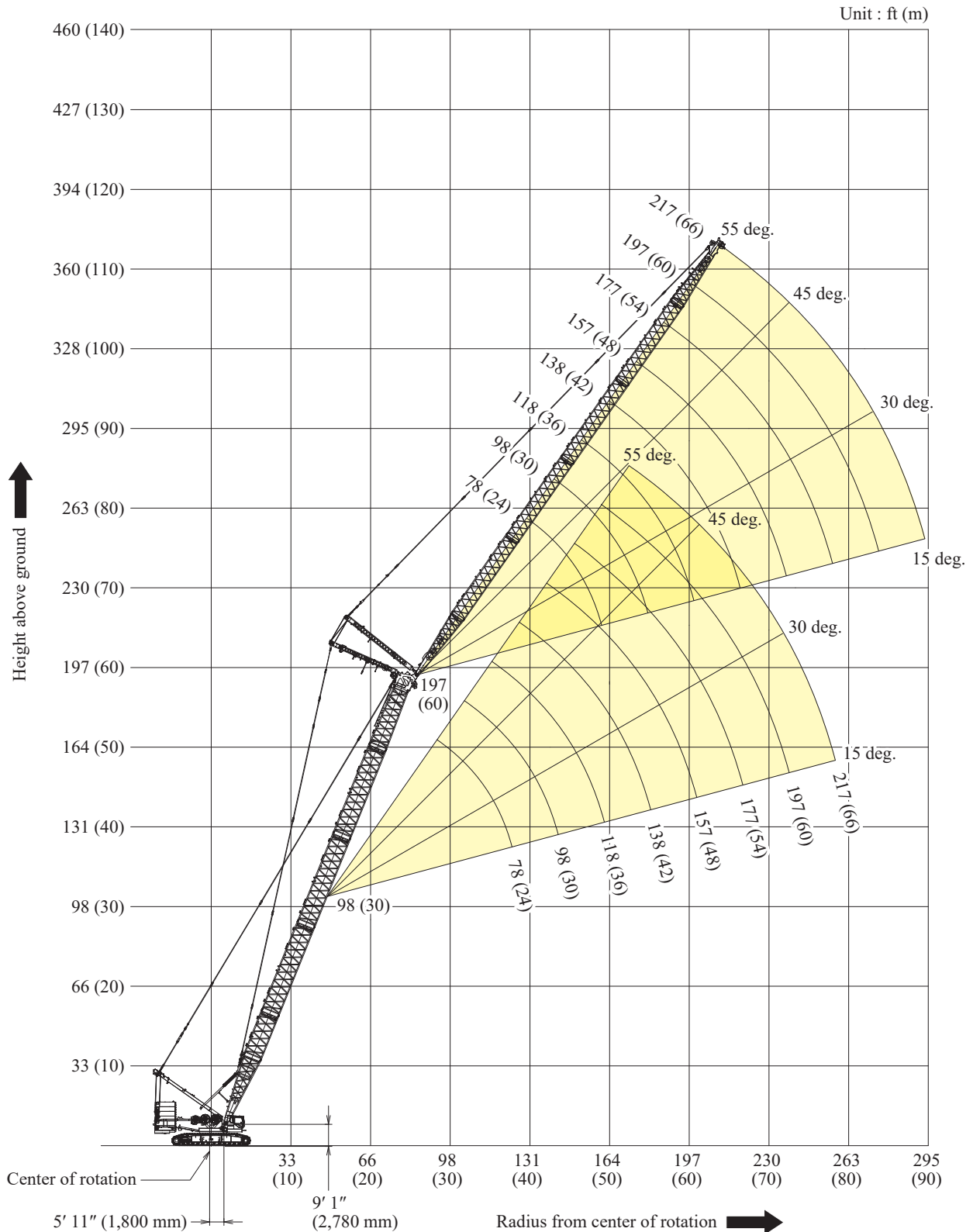
- Working weight*¹ : 794,490 lbs (360,375 kg)
- Ground bearing pressure*¹ : Approx. 21.9 psi (151 kPa)
- Grade - ability*² : 20% (11.3 deg.)
- Wind speed : 100% performance in wind speed up to 10 m/s (22.5 MPH)

*¹ : Including base machine, counterweights : 308,600 lbs (140,000 kg), Carbody weights : 88,200 lbs (40,000 kg), Counterweight self removal device, 197 ft (60 m) luffing boom, 217 ft (66 m) luffing jib and 50 US ton hook block.

*² : Including base machine, counterweights : 308,600 lbs (140,000 kg), Carbody weights : 88,200 lbs (40,000 kg), Counterweight self removal device, 78 ft (24 m) luffing boom and 386 US ton hook block.

CK3300G-2 LUFFING - WORKING RANGES

Luffing Jib 68 deg



- Working weight*¹ : 794,490 lbs (360,375 kg)
- Ground bearing pressure*¹ : Approx. 21.9 psi (151 kPa)
- Grade - ability*² : 20% (11.3 deg.)
- Wind speed : 100% performance in wind speed up to 10 m/s (22.5 MPH)

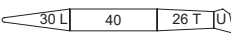
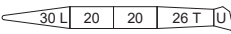
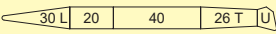
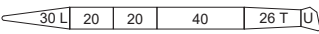
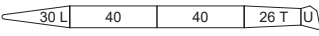
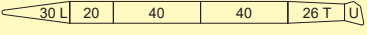
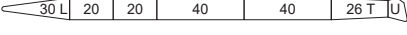
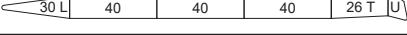
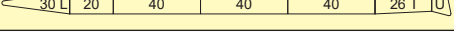
*¹ : Including base machine, counterweights : 308,600 lbs (140,000 kg), Carbody weights : 88,200 lbs (40,000 kg), Counterweight self removal device, 197 ft (60 m) luffing boom, 217 ft (66 m) luffing jib and 50 US ton hook block.

*² : Including base machine, counterweights : 308,600 lbs (140,000 kg), Carbody weights : 88,200 lbs (40,000 kg), Counterweight self removal device, 78 ft (24 m) luffing boom and 386 US ton hook block.






STANDARD CONFIGURATION LUFFING - BOOM AND JIB ARRANGEMENTS

Luffing Boom / Jib Arrangement

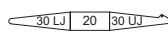
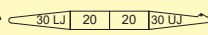
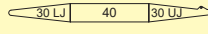
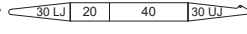
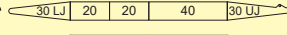
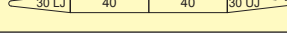
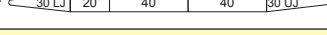
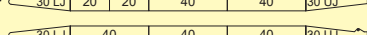
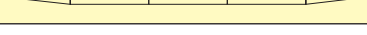
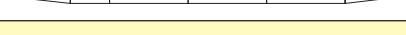
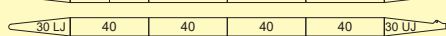
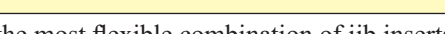
Luffing Boom Arrangement for Luffing

Boom length : ft (m)	Boom arrangement
98 (30)	 
118 (36)	* 
138 (42)	*  
157 (48)	* 
177 (54)	*  
197 (60)	* 




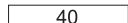
* Indicates the most flexible combination of boom inserts, which can be modified to form all shorter boom arrangements.

Symbol	Length	Remarks
	30 ft (9 m)	Boom Base
	4 ft (1.2 m)	Boom Tip
	20 ft (6 m)	Boom Insert
	40 ft (12 m)	Boom Insert
	26 ft (7.8 m)	Taper Boom Insert

Luffing Jib Arrangement

Jib length : ft (m)	Jib arrangement
78 (24)	
98 (30)	*  
118 (36)	* 
138 (42)	*  
157 (48)	* 
177 (54)	*  
197 (60)	* 
217 (66)	*  

* Indicates the most flexible combination of jib inserts, which can be modified to form all shorter jib arrangements.

Symbol	Length	Remarks
	30 ft (9 m)	Luffing Jib Base
	30 ft (9 m)	Luffing Jib Tip
	20 ft (6 m)	Luffing Jib Insert
	40 ft (12 m)	Luffing Jib Insert

* Actual lengths of boom and luffing jib sections are metric such as 6 m, 9 m and 12 m. The value shown above or in the chart are approximate conversion to feet.

Luffing Jib

1. Rated loads included in the charts are the maximum allowable freely suspended loads at a given boom length, boom angle and load radius, and have been determined for the machine standing level on firm supporting surface under ideal operating conditions. The user must limit or derate rated loads to allow for adverse conditions (such as soft or uneven ground, out-of-level conditions, wind, side loads, pendulum action, jerking or sudden stopping of loads, inexperience of personnel, multiple machine lifts, and traveling with a load).
2. Rated loads do not exceed 75% of minimum tipping loads. Rated loads based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.
3. The machine must be reeved and set-up as stated in the operation manual and all the instruction manuals if these manuals are missing, obtain replacements.
 - Boom backstops are required for all boom lengths.
 - The crane must be leveled to within 1% on a firm supporting surface.
4. Do not attempt to lift where no ratings are shown as crane may tip or collapse.
5. Attempting to lift more than rated loads may cause machine to tip or collapse. Do not tip machine to determine capacity.
6. Weight of hooks, hook blocks, slings and other lifting devices are a part of the total load. Their total weight must be subtracted from the rated load to obtain the weight that can be lifted.
7. The total load that can be lifted of a jib is limited by rated jib loads.
8. The total load that can be lifted of an auxiliary sheave should not exceed 33,000 lbs in case of single part of line. And it should not exceed 66,100 lbs in case of two parts of line.

9. Luffing boom and jib combinations.

Boom Length : ft	Jib Length : ft							
	78	98	118	138	157	177	197	217
98	○	○	○	○	○	○	○	○
118	○	○	○	○	○	○	○	○
138	○	○	○	○	○	○	○	○
157	○	○	○	○	○	○	○	○
177	○	○	○	○	○	○	○	○
197	○	○	○	○	○	○	○	○

○ : Combinations which is allowed.

10. The boom should be erected over the front of the crawlers, not laterally. When erecting and lowering for all boom and jib combinations, the blocks for erection must be placed at the end of the crawlers.
11. Least stable position is over the side.
12. The minimum rated load is 9,700 lbs (4.4 t).

Luffing Jib

13. Maximum number of reeving parts of line for hoist rope.

(1) Luffing Jib (Double Drum)

Boom Length : ft	Jib Length : ft							
	78	98	118	138	157	177	197	217
98	8	8	8	6	6	4	4	4
118	8	8	8	6	6	4	4	4
138	8	8	8	6	6	4	4	4
157	8	8	8	6	6	4	4	4
177	8	8	8	6	6	4	4	4
197	8	8	6	6	4	4	4	4

(2) Luffing Jib (Single Drum)

Boom Length : ft	Jib Length : ft							
	78	98	118	138	157	177	197	217
98	8	8	7	6	5	4	3	3
118	8	7	7	6	5	4	3	3
138	7	7	6	6	5	4	3	3
157	7	6	5	5	5	4	3	3
177	6	5	5	5	4	4	3	3
197	5	5	5	4	4	4	3	3

(3) Auxiliary

Boom Length : ft	Jib Length : ft							
	78	98	118	138	157	177	197	217
98	2	2	2	2	2	2	2	2
118	2	2	2	2	2	2	2	2
138	2	2	2	2	2	2	2	2
157	2	2	2	2	2	2	2	2
177	2	2	2	2	2	2	2	2
197	2	2	2	2	2	2	2	2

14. Maximum hoist load for number of reeving parts of line for hoist rope.

Jib Hoist Loads (Double Drum)

No. of Parts of line	4 (2×2)	6 (2×3)	8 (2×4)
Max. Loads : lbs	132,200	198,400	264,500
Max. Loads : t	60.0	90.0	120.0

Jib Hoist Loads (Single Drum)

No. of Parts of line	1	2	3	4
Max. Loads : lbs	33,000	66,100	99,200	132,200
Max. Loads : t	15.0	30.0	45.0	60.0

No. of Parts of line	5	6	7	8
Max. Loads : lbs	165,300	198,400	231,400	264,500
Max. Loads : t	75.0	90.0	105.0	120.0

Auxiliary Hoist Loads

No. of Parts of line	1	2
Max. Loads : lbs	33,000	66,100
Max. Loads : t	15.0	30.0

15. Weight of recommended hook block.

Hook block	220 US _t	110 US _t	50 US _t	BALL HOOK
Weight : lbs	9,040	5,950	4,850	1,985
Number of sheave	7	3	1	-

⚠ WARNING

If the weight of hook block to be used is lighter than the recommended weight, the jib may turnover backward or it is difficult to lower the empty hook block.

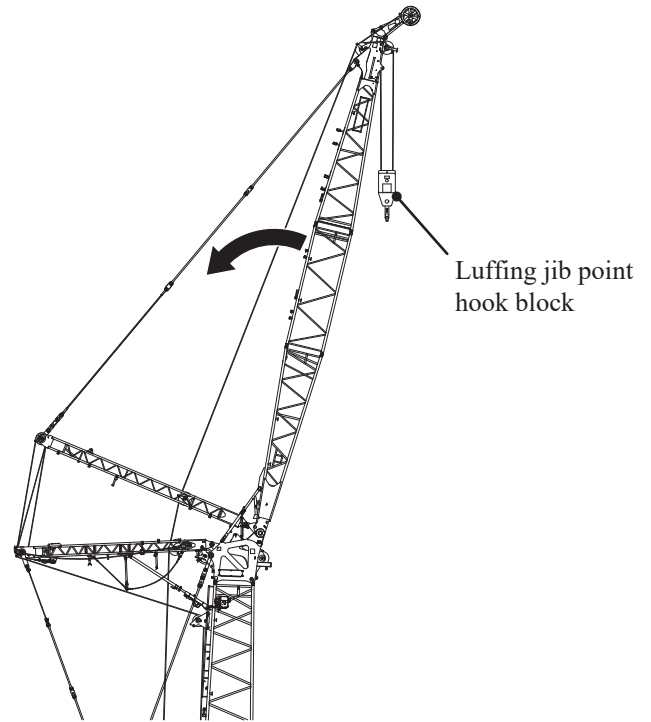
CK3300G-2 LUFFING - SUPPLEMENTAL DATA

Luffing Jib

16. Hook block and number of reeving parts of line restriction.
 - (1) The self-weight of luffing jib point hook block must be heavier than or equal to the table below.
 - (2) Total number of reeving parts of line on luffing jib point hook block must be larger than or equal to the table below.

⚠ DANGER

Follow the both (1) and (2) above at a same time for the luffing jib operation. Otherwise luffing jib may tip over the backwards due to lack of weight on front side of boom. Failure to observe this precaution may lead to the jib tipping backwards and resulted to machine collapsing.



CK3300G-2 (PRV) minimum hook block self-weight and minimum number of reeving parts of line on hook block

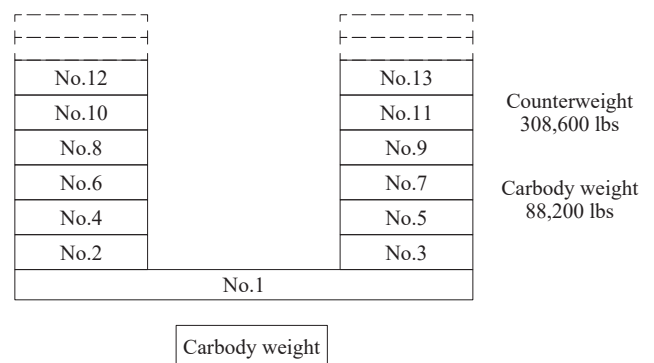
Boom Length : ft (m)	Jib Length : ft (m)	78 (24)	98 (30)	118 (36)	138 (42)	157 (48)	177 (54)	197 (60)	217 (66)
98 (30)	Hook Block Self-Weight : lbs	4,850	4,850	4,850	4,850	4,850	4,850	4,850	4,850
	No. of Parts Line	2	2	2	2	2	2	2	2
118 (36)	Hook Block Self-Weight : lbs	4,850	4,850	4,850	4,850	4,850	4,850	4,850	4,850
	No. of Parts Line	2	2	2	2	2	2	2	2
138 (42)	Hook Block Self-Weight : lbs	5,950	4,850	4,850	4,850	4,850	4,850	4,850	4,850
	No. of Parts Line	2	2	2	2	2	2	2	2
157 (48)	Hook Block Self-Weight : lbs	9,040	5,950	4,850	4,850	4,850	4,850	4,850	4,850
	No. of Parts Line	2	2	2	2	2	2	2	2
177 (54)	Hook Block Self-Weight : lbs	9,040	4,850	4,850	4,850	4,850	4,850	4,850	4,850
	No. of Parts Line	2	2	2	2	2	2	2	2
197 (60)	Hook Block Self-Weight : lbs	9,040	5,950	4,850	4,850	4,850	4,850	4,850	4,850
	No. of Parts Line	2	2	2	2	2	2	2	2

17. Lifting capacities listed apply only to the machine as originally manufactured and designed by KOBELCO CONSTRUCTION MACHINERY CO.,LTD. Modifications to this machine or use of equipment other than that specified can reduce operating capacity.
18. Designed and rated to comply with ASME B30.5-2014.

Operation of this equipment in excess of rated loads or disregard of instruction voids the warranty.

[Reference Information]

Assembling the counterweight



CK3300G-2 LUFFING - LIFTING CAPACITIES

Luffing Jib Lift Capacities

Counterweights : 308,600 lbs (140,000 kg) Carbody weights : 88,200 lbs (40,000 kg)

98 ft (30 m) Boom													
Load Radius : ft	78 ft (24 m) Jib						Load Radius : ft	98 ft (30 m) Jib					
	Boom Angle : deg.							Boom Angle : deg.					
	88	86	83	78	73	68		88	86	83	78	73	68
44.0	260,200 *	260,200 *					44.0	257,400 *					
46.0	253,600 *	253,800 *					46.0	250,800 *					
48.0	243,200 *	243,300 *					48.0	242,200 *					
50.0	233,100 *	233,400 *					50.0	233,400 *	233,400 *				
55.0	206,400 *	212,200 *	212,200 *				55.0	210,200 *	212,200 *				
60.0	181,600 *	194,500 *	194,200 *				60.0	185,400 *	194,500 *	193,900 *			
65.0	162,000 *	179,400 *	177,200				65.0	165,400 *	178,700 *	176,200			
70.0	146,500 *	163,400 *	162,400				70.0	149,500 *	164,100	161,400			
75.0	129,600 *	147,000 *	149,100	144,500			75.0	136,000 *	150,900	148,200			
80.0	111,100 *	129,400 *	137,400	133,000			80.0	124,500 *	138,700	136,500	131,900		
85.0	91,900 *	108,400 *	127,300	123,100			85.0	114,700 *	126,600 *	126,200	122,000		
90.0		88,900 *	112,400 *	114,900	111,100		90.0	105,800 *	116,700 *	117,700	113,800		
95.0			93,900 *	107,500	104,000		95.0	94,100 *	105,400 *	110,200	106,400	102,700	
100.0					97,700	94,400	100.0		92,900 *	102,300	99,800	96,400	
110.0					86,700	83,800	110.0		67,000 *	83,000 *	88,700	85,600	
120.0							120.0				78,400	77,000	74,300
130.0							130.0						67,200
140.0							140.0						
150.0							150.0						
160.0							160.0						
170.0							170.0						
180.0							180.0						
190.0							190.0						
200.0							200.0						
210.0							210.0						
220.0							220.0						
230.0							230.0						
240.0							240.0						
250.0							250.0						

98 ft (30 m) Boom													
Load Radius : ft	118 ft (36 m) Jib						Load Radius : ft	138 ft (42 m) Jib					
	Boom Angle : deg.							Boom Angle : deg.					
	88	86	83	78	73	68		88	86	83	78	73	68
44.0							44.0						
46.0	224,600 *						46.0						
48.0	218,600 *						48.0						
50.0	212,500 *						50.0						
55.0	200,600 *						55.0	190,500 *					
60.0	189,300 *	191,800 *					60.0	184,700 *	193,100 *				
65.0	168,400 *	178,700 *					65.0	171,300 *	178,700				
70.0	152,100 *	163,800	160,900				70.0	154,500 *	163,400				
75.0	138,300 *	150,300	147,400				75.0	140,300 *	149,700	146,600			
80.0	126,600 *	138,500	135,600				80.0	128,400 *	137,800	134,800			
85.0	116,700 *	128,200	125,600				85.0	118,300 *	127,600	124,700			
90.0	108,400 *	119,400	116,900	112,800			90.0	109,900 *	118,700	116,200			
95.0	101,100 *	111,000	109,300	105,400			95.0	102,600 *	110,900	108,600	104,700		
100.0	94,300 *	103,200 *	102,600	99,000			100.0	96,100 *	104,100	102,000	98,100		
110.0	80,000 *	89,400 *	91,200	87,900			110.0	85,200 *	92,400	90,400	87,000		
120.0	62,700 *	71,200 *	80,200	78,900	76,100		120.0	75,000 *	82,300 *	81,200	78,200	75,200	
130.0				71,400	68,800	66,100	130.0	63,000 *	70,100 *	73,400	70,700	67,900	
140.0					62,500	60,100	140.0			65,200	64,200	61,600	59,200
150.0					57,300	55,100	150.0			52,100 *	58,900	56,400	54,000
160.0							160.0				51,200 *	52,000	49,900
170.0							170.0						46,100
180.0							180.0						
190.0							190.0						
200.0							200.0						
210.0							210.0						
220.0							220.0						
230.0							230.0						
240.0							240.0						
250.0							250.0						

Ratings shown in in the table require double-drum specifications.

Note : Designed and rated to comply with ASME Code B30.5

Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.

Refer to notes on 50 to 52.

CK3300G-2 LUFFING - LIFTING CAPACITIES

Luffing Jib Lift Capacities

Counterweights : 308,600 lbs (140,000 kg) Carbody weights : 88,200 lbs (40,000 kg)

118 ft (36 m) Boom													
78 ft (24 m) Jib							98 ft (30 m) Jib						
Load Radius : ft	Boom Angle : deg.						Load Radius : ft	Boom Angle : deg.					
	88	86	83	78	73	68		88	86	83	78	73	68
44.0	260,200 *						44.0	259,500 *					
46.0	253,600 *	253,600 *					46.0	252,700 *					
48.0	243,200 *	243,200 *					48.0	242,900 *					
50.0	233,400 *	233,400 *					50.0	233,400 *	227,400 *				
55.0	209,500 *	212,200 *					55.0	212,200 *	212,200 *				
60.0	184,500 *	194,400 *	192,400 *				60.0	188,600 *	194,200 *				
65.0	164,300 *	177,900 *	174,800				65.0	167,900 *	177,100	173,700			
70.0	148,400 *	163,400	160,400				70.0	151,500 *	162,500	159,300			
75.0	134,600 *	149,900	147,500	141,900			75.0	137,700 *	149,700	146,400			
80.0	120,100 *	136,200 *	136,100	130,700			80.0	126,000 *	138,500	135,000	129,400		
85.0	99,900 *	119,800 *	126,000	120,900			85.0	116,100 *	128,200	124,900	119,800		
90.0		99,800 *	117,500	112,700			90.0	107,700 *	118,900 *	116,400	111,600		
95.0			105,300	105,400	101,100		95.0	99,300 *	110,100 *	108,800	104,300		
100.0					94,800		100.0		100,300 *	102,200	97,900	93,500	
110.0					84,300		110.0		75,300 *	91,000	87,000	83,100	
120.0							120.0				78,200	74,700	
130.0							130.0					67,500	
140.0							140.0						
150.0							150.0						
160.0							160.0						
170.0							170.0						
180.0							180.0						
190.0							190.0						
200.0							200.0						
210.0							210.0						
220.0							220.0						
230.0							230.0						
240.0							240.0						
250.0							250.0						

118 ft (36 m) Boom													
118 ft (36 m) Jib							138 ft (42 m) Jib						
Load Radius : ft	Boom Angle : deg.						Load Radius : ft	Boom Angle : deg.					
	88	86	83	78	73	68		88	86	83	78	73	68
44.0							44.0						
46.0							46.0						
48.0							48.0						
50.0	208,300 *						50.0						
55.0	200,600 *						55.0	197,500 *					
60.0	192,400 *	193,900 *					60.0	187,500 *					
65.0	170,900 *	177,100					65.0	173,600 *	176,000				
70.0	154,200 *	162,500					70.0	156,700 *	161,400				
75.0	140,000 *	149,300	145,700				75.0	142,100 *	148,400				
80.0	127,900 *	137,600	134,100				80.0	129,900 *	136,900	133,400			
85.0	117,800 *	127,300	124,000				85.0	119,600 *	126,700	123,400			
90.0	109,500 *	118,700	115,500				90.0	110,900 *	118,000	114,900			
95.0	102,100 *	110,900	108,000	103,300			95.0	103,400 *	110,300	107,300			
100.0	95,700 *	104,100	101,400	97,000			100.0	97,000 *	103,500	100,700	96,100		
110.0	84,800 *	91,800 *	90,100	86,100			110.0	85,900 *	91,700	89,200	85,200		
120.0	68,000 *	77,000 *	81,000	77,300	73,600		120.0	77,100 *	82,400	80,100	76,400		
130.0			69,600	69,900	66,400	63,300	130.0	66,800 *	73,100	72,300	69,000	65,600	
140.0					60,300	57,500	140.0		62,400 *	65,500	62,700	59,500	56,400
150.0					55,300	52,600	150.0		47,400 *	59,000	57,300	54,400	51,500
160.0						48,500	160.0				52,900	50,100	47,400
170.0							170.0					46,300	43,800
180.0							180.0						
190.0							190.0						
200.0							200.0						
210.0							210.0						
220.0							220.0						
230.0							230.0						
240.0							240.0						
250.0							250.0						

Ratings shown in in the table require double-drum specifications.

Note : Designed and rated to comply with ASME Code B30.5

Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.

Refer to notes on 50 to 52.

CK3300G-2 LUFFING - LIFTING CAPACITIES

Luffing Jib Lift Capacities

Counterweights : 308,600 lbs (140,000 kg) Carbody weights : 88,200 lbs (40,000 kg)

138 ft (42 m) Boom													
78 ft (24 m) Jib							98 ft (30 m) Jib						
Load Radius : ft	Boom Angle : deg.						Load Radius : ft	Boom Angle : deg.					
	88	86	83	78	73	68		88	86	83	78	73	68
44.0	260,200 *						44.0	260,200 *					
46.0	253,600 *	253,600 *					46.0	253,600 *					
48.0	243,200 *	243,200 *					48.0	243,200 *					
50.0	233,400 *	233,400 *					50.0	233,400 *					
55.0	212,200 *	212,200 *					55.0	212,200 *	212,200 *				
60.0	187,700 *	193,900 *	189,400 *				60.0	191,900 *	192,800 *				
65.0	166,800 *	176,200	172,100				65.0	170,400 *	175,300	170,900			
70.0	150,600 *	161,700	157,900				70.0	153,700 *	160,700	156,700			
75.0	136,700 *	149,100	145,500				75.0	139,400 *	148,000	144,400			
80.0	122,600 *	137,700	134,500	127,900			80.0	127,400 *	137,000	133,500			
85.0	103,800 *	126,900 *	124,500	118,500			85.0	117,200 *	127,300	123,600			
90.0		106,900 *	116,100	110,300			90.0	108,800 *	118,700	115,100	109,200		
95.0			108,600	103,100	97,800		95.0	101,300 *	110,900	107,500	102,000		
100.0				96,800	91,800		100.0		102,700	100,900	95,700		
110.0				86,100	81,600		110.0		82,100 *	89,700	84,900		
120.0					73,300	69,300	120.0				76,300	72,000	
130.0						62,600	130.0					65,000	61,200
140.0							140.0						55,600
150.0							150.0						50,900
160.0							160.0						
170.0							170.0						
180.0							180.0						
190.0							190.0						
200.0							200.0						
210.0							210.0						
220.0							220.0						
230.0							230.0						
240.0							240.0						
250.0							250.0						
260.0							260.0						

138 ft (42 m) Boom													
118 ft (36 m) Jib							138 ft (42 m) Jib						
Load Radius : ft	Boom Angle : deg.						Load Radius : ft	Boom Angle : deg.					
	88	86	83	78	73	68		88	86	83	78	73	68
44.0							44.0						
46.0							46.0						
48.0							48.0						
50.0	208,300 *						50.0						
55.0	200,600 *						55.0	198,000 *					
60.0	193,400 *	193,000 *					60.0	188,400 *					
65.0	173,600 *	175,300					65.0	175,900 *	174,200				
70.0	156,400 *	160,700					70.0	158,900 *	159,600				
75.0	141,900 *	148,000	143,900				75.0	143,900 *	146,800				
80.0	129,600 *	136,700	132,400				80.0	131,300 *	135,700	131,700			
85.0	119,200 *	126,500	122,500				85.0	120,700 *	125,800	121,800			
90.0	110,700 *	117,800	114,100				90.0	112,100 *	117,300	113,500			
95.0	103,100 *	110,100	106,600	100,900			95.0	104,400 *	109,600	106,000			
100.0	96,500 *	103,300	100,000	94,600			100.0	97,800 *	102,800	99,400			
110.0	85,400 *	91,700	88,800	83,800			110.0	86,600 *	91,100	88,100			
120.0	71,100 *	81,200 *	79,800	75,200	70,900		120.0	77,700 *	81,700	79,000	74,600		
130.0			72,200	68,000	64,000		130.0	68,900 *	73,900	71,300	67,200	63,100	
140.0				61,900	58,100	54,500	140.0		65,500	64,900	61,000	57,300	
150.0				56,600	53,100	49,800	150.0		51,900 *	59,300	55,800	52,200	
160.0					49,000	45,800	160.0				51,300	48,100	44,800
170.0							170.0					44,500	41,300
180.0							180.0						38,200
190.0							190.0						35,500
200.0							200.0						
210.0							210.0						
220.0							220.0						
230.0							230.0						
240.0							240.0						
250.0							250.0						
260.0							260.0						

Ratings shown in in the table require double-drum specifications.

Note : Designed and rated to comply with ASME Code B30.5

Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.

Refer to notes on 50 to 52.

CK3300G-2

LUFFING - LIFTING CAPACITIES

Luffing Jib Lift Capacities

Counterweights : 308,600 lbs (140,000 kg) Carbody weights : 88,200 lbs (40,000 kg)

157 ft (48 m) Boom													
Load Radius : ft	78 ft (24 m) Jib						98 ft (30 m) Jib						
	Boom Angle : deg.						Boom Angle : deg.						
	88	86	83	78	73	68	88	86	83	78	73	68	
44.0	260,200 *						44.0	260,200 *					
46.0	253,600 *	253,600 *					46.0	253,600 *					
48.0	243,200 *	243,200 *					48.0	243,200 *					
50.0	233,400 *	233,400 *					50.0	233,400 *					
55.0	212,200 *	212,200 *					55.0	212,200 *	211,400 *				
60.0	191,100 *	191,800 *	186,600				60.0	193,600 *	190,800 *				
65.0	169,500 *	174,400	169,500				65.0	173,100 *	173,300				
70.0	152,800 *	160,000	155,400				70.0	155,900 *	159,000	154,200			
75.0	138,500 *	147,400	143,200				75.0	141,200 *	146,400	142,100			
80.0	124,600 *	136,400	132,500	125,000			80.0	128,900 *	135,400	131,400			
85.0	107,300 *	126,900	122,900	115,600			85.0	118,500 *	126,000	121,800			
90.0		111,300 *	114,600	107,800			90.0	110,000 *	117,700	113,500			
95.0			107,200	100,800			95.0	102,300 *	110,100	106,100	99,500		
100.0				94,600	88,600		100.0		102,600	99,600	93,300		
110.0				84,000	78,600		110.0		86,800 *	88,300	82,700		
120.0					70,600		120.0			78,100	74,300	69,300	
130.0							130.0				67,100	62,400	
140.0							140.0					56,700	52,500
150.0							150.0					52,000	48,000
160.0							160.0						44,200
170.0							170.0						
180.0							180.0						
190.0							190.0						
200.0							200.0						
210.0							210.0						
220.0							220.0						
230.0							230.0						
240.0							240.0						
250.0							250.0						
260.0							260.0						

157 ft (48 m) Boom													
Load Radius : ft	118 ft (36 m) Jib						138 ft (42 m) Jib						
	Boom Angle : deg.						Boom Angle : deg.						
	88	86	83	78	73	68	88	86	83	78	73	68	
44.0							44.0						
46.0							46.0						
48.0							48.0						
50.0	208,300 *						50.0						
55.0	200,600 *						55.0						
60.0	193,800 *	190,900 *					60.0	178,900 *					
65.0	176,000 *	173,300					65.0	173,700 *					
70.0	158,700 *	159,000					70.0	160,100 *	158,900				
75.0	143,700 *	146,400	141,700				75.0	145,900 *	146,200				
80.0	131,100 *	135,300	130,700				80.0	133,000 *	135,100	130,600			
85.0	120,500 *	125,500	120,900				85.0	122,100 *	125,500	120,700			
90.0	111,700 *	116,900	112,600				90.0	113,200 *	116,900	112,400			
95.0	104,000 *	109,300	105,200				95.0	105,400 *	109,200	105,000			
100.0	97,400 *	102,600	98,700	92,200			100.0	98,700 *	102,400	98,500			
110.0	86,100 *	91,000	87,500	81,600			110.0	87,300 *	90,800	87,200			
120.0	73,700 *	81,700	78,500	73,200			120.0	78,200 *	81,500	78,200	72,900		
130.0			71,000	66,100	61,400		130.0	70,700 *	73,700	70,700	65,800		
140.0				60,100	55,800		140.0		66,100	64,200	59,600	55,300	
150.0				54,900	50,900		150.0		56,000 *	58,900	54,400	50,400	
160.0					46,800	43,100	160.0				50,100	46,300	42,700
170.0						39,800	170.0					42,700	39,300
180.0							180.0						36,200
190.0							190.0						33,500
200.0							200.0						31,300
210.0							210.0						
220.0							220.0						
230.0							230.0						
240.0							240.0						
250.0							250.0						
260.0							260.0						

Ratings shown in in the table require double-drum specifications.

Note : Designed and rated to comply with ASME Code B30.5

Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.

Refer to notes on 50 to 52.

CK3300G-2 LUFFING - LIFTING CAPACITIES

Luffing Jib Lift Capacities

Counterweights : 308,600 lbs (140,000 kg) Carbody weights : 88,200 lbs (40,000 kg)

177 ft (54 m) Boom													
78 ft (24 m) Jib							98 ft (30 m) Jib						
Load Radius : ft	Boom Angle : deg.						Load Radius : ft	Boom Angle : deg.					
	88	86	83	78	73	68		88	86	83	78	73	68
44.0	258,600 *						44.0						
46.0	249,900 *						46.0	241,200 *					
48.0	240,700 *						48.0	236,600 *					
50.0	232,000 *	233,400 *					50.0	230,600 *					
55.0	212,100 *	210,600 *					55.0	211,100 *					
60.0	193,400 *	189,800 *					60.0	193,000 *	188,700 *				
65.0	172,200 *	172,400	166,600				65.0	175,300 *	171,300				
70.0	155,000 *	158,100	152,700				70.0	158,100 *	157,200				
75.0	140,300 *	145,600	140,600				75.0	143,000 *	144,700	139,400			
80.0	126,400 *	134,700	130,100				80.0	130,400 *	133,800	128,800			
85.0	110,500 *	125,300	120,900				85.0	119,900 *	124,400	119,800			
90.0	90,400 *	115,300	112,900	105,100			90.0	111,000 *	116,300	111,800			
95.0		98,400	105,600	98,100			95.0	103,200 *	108,900	104,500	96,700		
100.0				92,000			100.0		102,400	98,100	90,700		
110.0				81,600			110.0		90,600	87,000	80,500		
120.0					67,600		120.0			78,200	72,100		
130.0						61,000	130.0				65,100	59,600	
140.0							140.0					54,100	49,300
150.0							150.0					49,500	44,900
160.0							160.0						41,300
170.0							170.0						
180.0							180.0						
190.0							190.0						
200.0							200.0						
210.0							210.0						
220.0							220.0						
230.0							230.0						
240.0							240.0						
250.0							250.0						
260.0							260.0						
270.0							270.0						
280.0							280.0						

177 ft (54 m) Boom													
118 ft (36 m) Jib							138 ft (42 m) Jib						
Load Radius : ft	Boom Angle : deg.						Load Radius : ft	Boom Angle : deg.					
	88	86	83	78	73	68		88	86	83	78	73	68
44.0							44.0						
46.0							46.0						
48.0							48.0						
50.0	208,300 *						50.0						
55.0	200,600 *						55.0						
60.0	193,000 *	188,900 *					60.0	163,500 *					
65.0	175,500 *	171,500					65.0	158,600 *					
70.0	159,900 *	157,300					70.0	153,600 *	149,300 *				
75.0	145,500 *	144,700					75.0	145,300 *	142,400 *				
80.0	132,600 *	133,800	128,700				80.0	134,500 *	133,600				
85.0	121,900 *	124,200	119,100				85.0	123,600 *	124,000				
90.0	112,800 *	115,900	111,000				90.0	114,400 *	115,500	110,300			
95.0	105,000 *	108,400	103,700				95.0	106,400 *	107,900	103,000			
100.0	98,200 *	101,700	97,200				100.0	99,500 *	101,100	96,500			
110.0	86,800 *	90,100	86,100				110.0	87,900 *	89,500	85,400			
120.0	76,100 *	81,000	77,300	71,100			120.0	78,800 *	80,300	76,500	70,200		
130.0			69,800	64,100	58,500		130.0	71,100 *	72,600	69,000	63,200		
140.0				58,100	52,900		140.0		65,800	62,700	57,300	52,000	
150.0				53,100	48,200		150.0		59,600	57,300	52,200	47,300	
160.0					44,400	40,200	160.0			52,900	48,100	43,600	
170.0						36,900	170.0				44,500	40,200	35,900
180.0						34,100	180.0					37,100	33,200
190.0						31,800	190.0					34,400	30,700
200.0							200.0						28,500
210.0							210.0						
220.0							220.0						
230.0							230.0						
240.0							240.0						
250.0							250.0						
260.0							260.0						
270.0							270.0						
280.0							280.0						

Ratings shown in in the table require double-drum specifications.

Note : Designed and rated to comply with ASME Code B30.5

Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.

Refer to notes on 50 to 52.

CK3300G-2 LUFFING - LIFTING CAPACITIES

Luffing Jib Lift Capacities

Counterweights : 308,600 lbs (140,000 kg) Carbody weights : 88,200 lbs (40,000 kg)

197 ft (60 m) Boom													
78 ft (24 m) Jib							98 ft (30 m) Jib						
Load Radius : ft	Boom Angle : deg.						Load Radius : ft	Boom Angle : deg.					
	88	86	83	78	73	68		88	86	83	78	73	68
46.0	229,000 *						46.0	215,900 *					
48.0	220,900 *						48.0	212,500 *					
50.0	213,100 *	233,300 *					50.0	208,500 *					
55.0	196,000 *	209,600 *					55.0	194,200 *					
60.0	181,200 *	188,700 *					60.0	179,500 *	187,700 *				
65.0	168,300 *	171,500					65.0	166,600 *	170,400				
70.0	155,400 *	157,300	150,900				70.0	155,600 *	156,300				
75.0	142,100 *	144,800	138,900				75.0	144,000 *	143,900	137,700			
80.0	128,300 *	134,000	128,600				80.0	132,100 *	132,900	127,300			
85.0	113,700 *	124,400	119,300				85.0	121,200 *	123,500	118,200			
90.0	93,900 *	116,400	111,200				90.0	112,200 *	115,500	110,600			
95.0		102,600	104,000	95,400			95.0	104,200 *	108,300	103,400			
100.0				89,400			100.0	95,700 *	101,800	97,000	88,500		
110.0				79,300			110.0	73,700 *	90,500	86,100	78,500		
120.0				71,100	64,500		120.0			77,300	70,400		
130.0					58,200		130.0			63,400	57,300		
140.0						38,200 *	140.0				51,900		
150.0						34,500 *	150.0				47,300		
160.0							160.0					38,800	
170.0							170.0					35,700	
180.0							180.0						
190.0							190.0						
200.0							200.0						
210.0							210.0						
220.0							220.0						
230.0							230.0						
240.0							240.0						
250.0							250.0						
260.0							260.0						
270.0							270.0						
280.0							280.0						

197 ft (60 m) Boom													
118 ft (36 m) Jib							138 ft (42 m) Jib						
Load Radius : ft	Boom Angle : deg.						Load Radius : ft	Boom Angle : deg.					
	88	86	83	78	73	68		88	86	83	78	73	68
46.0							46.0						
48.0							48.0						
50.0	183,400 *						50.0						
55.0	177,500 *						55.0						
60.0	171,300 *						60.0	149,900 *					
65.0	164,400 *	169,700 *					65.0	145,400 *					
70.0	154,000 *	156,500					70.0	140,800 *	149,000 *				
75.0	144,000 *	144,100					75.0	136,300 *	142,100 *				
80.0	134,300 *	133,200	127,200				80.0	131,200 *	133,100				
85.0	123,200 *	123,800	117,800				85.0	124,700 *	123,500				
90.0	114,000 *	115,500	109,700				90.0	115,600 *	115,100	109,200			
95.0	106,000 *	108,000	102,400				95.0	107,400 *	107,500	101,900			
100.0	99,100 *	101,300	96,100				100.0	100,400 *	100,900	95,500			
110.0	87,500 *	89,900	85,200				110.0	88,600 *	89,300	84,500			
120.0	77,600 *	80,800	76,400	69,300			120.0	79,400 *	80,100	75,700	68,600		
130.0		70,600	69,000	62,400			130.0	71,700 *	72,300	68,300	61,800		
140.0				56,600	50,800		140.0		65,700	62,000	55,900		
150.0				51,800	46,200		150.0		60,200	56,700	50,900		
160.0				47,700	42,400		160.0			52,200	46,800	41,600	
170.0					39,200	34,600	170.0				43,100	38,300	
180.0						31,900	180.0					35,300	31,000
190.0						29,600	190.0					32,700	28,500
200.0							200.0						26,400
210.0							210.0						24,600
220.0							220.0						
230.0							230.0						
240.0							240.0						
250.0							250.0						
260.0							260.0						
270.0							270.0						
280.0							280.0						

Ratings shown in in the table require double-drum specifications.

Note : Designed and rated to comply with ASME Code B30.5

Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.

Refer to notes on 50 to 52.



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KOBELCO CONSTRUCTION MACHINERY CO., LTD.

5-15, Kitashinagawa 5-chome, Shinagawa-ku, Tokyo 141-8626 JAPAN
Tel : +81-3-5789-2121 Fax : +81-3-5789-3372
URL : <https://www.kobelcocm-global.com/>

Inquiries To :

KOBELCO CONSTRUCTION MACHINERY U.S.A. INC.

22350 Merchants Way Katy, TX 77449
Tel : +1-281-888-8430
URL : <http://kcmu-cranes.com/home/>

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