

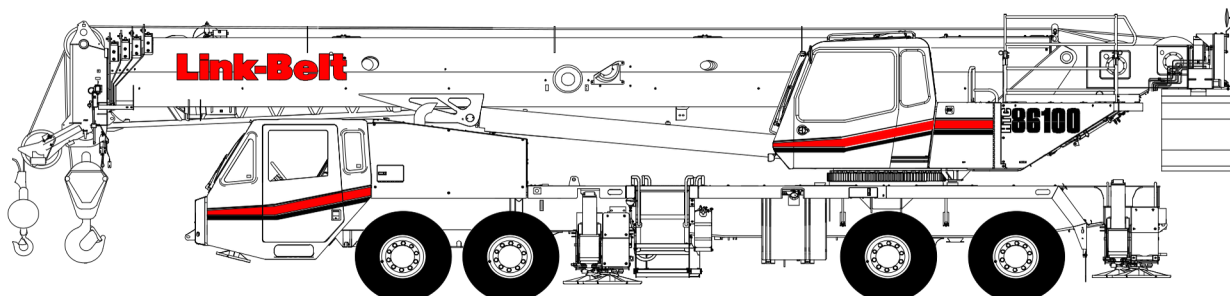


Technical Data

5644 (supersedes 5611) -0713-N3 1

HTC 86100

Telescopic Boom Truck Crane
100 US ton
85 metric ton



CAUTION: This material is supplied for reference use only. Operator must refer to in-cab Crane Rating Manual and Operator's Manual to determine allowable crane lifting capacities and assembly and operating procedures.

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Boom, Attachments, and Upper Structure

Boom

Design -Five section, formed construction of extra high tensile steel consisting of one base section and four telescoping sections. The two plate design of each section has multiple longitudinal bends for superior strength. Each telescoping section extends independently by means of one double-acting, single stage hydraulic cylinder with integrated holding valves.

Boom

38-140 ft (11.6-42.7m) five section boom

Integral boom dolly connection

Five boom extend modes (EM1 through EM5), controlled from the operator's cab, provide superior capacities by varying the extenders to 1400 ft (427m) telescoping sections:

EM1 extends to 127.3 ft (38.8m)

EM2 extends to 127.3 ft (38.8m)

EM3 extends to 115.8 ft (35.3m)

EM4 extends to 102.0 ft (31.1m)

EM5 extends to 76.5 ft (23.3m)

Mechanical boom angle indicator

Maximum lift height (45.1m) each extend mode is:

EM1 is 148 ft (45.1m)

EM2 is 135 ft (41.1m)

EM3 is 124 ft (37.8m)

EM4 is 110 ft (33.5m)

EM5 is 84 ft (25.6m)

Boom Wear Pads

Wear pads with Teflon inserts that self-lubricate the

boom sections

Bottom wear pads are universal for all boom sections

Top wear pads are universal for all boom sections

Boom Head

Five 16.5 in (41.9cm) root diameter nylon sheaves to han

dle up to ten parts of line

Easily removable wire rope guards

Rope dead end lugs on each side of the boom head

Boom head is designed for quick-reeve of the hook

block

Boom Elevation

One double acting hydraulic cylinder with integral hold ing valve

Boom elevation: -38 to 80°

Auxiliary Lifting Sheave - Optional

Single 16.5 in (41.9m) root diameter nylon sheave

Easily removable wire rope guards

Does not affect erection of the fly or use of the main head

sheaves

Hook Blocks and Balls - Optional

40 ton (36.3mt) 4 sheave quick-reeve hook block with

60 ton (54.4mt) 4 sheave quick-reeve hook block with

90 ton (81.6mt) 6 sheave quick-reeve hook block with

safety latch

65 ton (47.7mt) swivel and non-swivel hook balls with

safety latch

10 ton (9.1mt) swivel and non-swivel hook balls with

safety latch

Fly - Optional

35 ft (10.7m) one piece lattice fly, stowable, offsettable to 15°, 30°, and 45°. Maximum tip height is 182 ft (55.5m)

35 ft-58 ft (10.7-17.7m) two piece bi-fold lattice fly, stowable, offsettable to 15°, 30°, and 45°. Maximum tip height is 205 ft (62.5m)

Fly Extensions - Optional

One 16 ft (4.9m) lattice extension, equipped with two 16.5 in (41.9cm) root diameter nylon sheaves, to be mounted

between 224 ft (67.4m) and fly options. Maximum tip

Two 16 ft (4.9m) lattice extensions, one equipped with two 16.5 in (41.9cm) root diameter nylon sheaves, to be mounted between the boom head and fly options. Maximum tip height is 237 ft (72.2m). Minimum of 14,500 lb

(6 577.1kg) of counterweight required.

Upper Operator's Cab and Controls

Environmental Cab - Fully enclosed, one person cab of galvaneal steel structure with acoustical insulation. Equipped with:

- Tinted and tempered glass windows
- Extra-large fixed front window with windshield wiper and washer
- Swing up roof window with windshield wiper
- Sliding left side door with large fixed window
- Sliding rear and right side windows for ventilation
- Six way adjustable, cushioned seat with seat belt and storage compartment
- Diesel fired warm-water heater with air ducts for front windshield defroster and cab floor - optional
- Defroster fan for the front window
- Bubble level
- Circulating fan
- Adjustable sunvisor
- Dome light
- Cup holder
- Fire extinguisher
- Left side viewing mirror
- Pull-out cab walk
- Two position travel swing lock

Air Conditioning - Optional - Integral with cab heating system utilizing the same ventilation outlets

Armrest Controls - Two dual axis hydraulic joystick controllers or optional single axis hydraulic controllers for:

- Cab heater and A/C controls
- Swing
- Boom hoist
- Main rear winch
- Auxiliary front winch - optional
- Drum rotation indication
- Drum rotation indicator activation switch
- Swing park brake switch
- Winch high/low speed and disable switch(es)
- Counterweight handling switch
- Warning horn button

Outrigger Controls - Hand held control box with umbilical cord gives the operator the freedom to view operation while setting the outriggers.

Foot Controls

- Boom telescope
- Swing brake
- Engine throttle

Right Front Console - Controls and indicators for:

- | | |
|-----------------------------------|---------------------------------------|
| Engine ignition | Bubble level |
| Engine throttle lock | 12 volt power connection |
| Pump enable | Emergency engine shutdown |
| Function disable | Air conditioning - optional |
| Front windshield wiper and washer | Boom floodlight - optional |
| Cab floodlights | Rotating beacon or strobe |
| Warning horn | light - optional |
| Console dimmer switch | Third wrap selector switch - optional |

Cab Instrumentation - Ergonomically positioned LCD

display, CANBUS instrumentation for crane operation including:

- | | |
|---|------------------------|
| Tachometer | Engine oil pressure |
| Engine water temperature | Swing park brake light |
| Fuel level | Battery voltage |
| Hydraulic oil temperature | Fuel rate (gal/hr) |
| Stop engine | Engine load |
| Check engine | Engine Diagnostics |
| Regeneration disabled light (EPA 2010 engine only) | |
| DPF regeneration light (EPA 2010 engine only) | |
| DPF regeneration inhibit switch (EPA 2010 engine only) | |
| DPF regeneration initiate switch (EPA 2010 engine only) | |
| High exhaust temperature light (EPA 2010 engine only) | |

LinkBelt Pulse - The LinkBelt inhouse designed, total crane operating system that utilizes the display as a

readout and operator interface for the following systems:

Rated capacity limiter - LCD graphic audio-visual

warnings system integrated into the dash with anti-two block and function limiter. Operating data includes:

- Crane configuration
- Boom length and angle
- Boom head height
- Allowed load and % of allowed load

- RCL light bar
- Boom angle
- Radius of load

- Actual load
- Wind speed
- Highlighted unit of measurement on working screen
- Active pin/latch status
- Telescope operation displayed in real time
- Counterweight installation/removal

- Third wrap indicator
- Diagnostics
- Operator settable alarms (include):

- Maximum and minimum boom angles
- Maximum tip height
- Maximum boom length
- Swing left/right positions

Extend control module (ECM) - Operates in the imaginary plane)

Controls the extend modes

Diagnostics

Integrated Third Wrap Indicator - Optional - Link-Belt

Pulse color display visually and audibly warns the operator when the wire rope is on the first/bottom layer and when the wire rope is down to the last three wraps.

Integrated Third Wrap Function Kickout - Optional

- Link-Belt Pulse color display visually and audibly warns the operator when the wire rope is on the first/bottom layer and provides a function kickout when the wire rope is down to the last three wraps.

Internal RCL Light Bar - Optional - Visually informs the operator when crane is approaching maximum load capacity with a series of green, yellow, and red lights.

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External RCL Light Bar - Optional - Visually informs the ground crew when crane is approaching maximum load capacity with a series of green, yellow, and red lights.

Swing

Motor/Planetary - Bi-directional hydraulic swing motor mounted to a planetary reducer for 360° continuous smooth swing at 1.7 rpm.

Swing Park Brake - 360°, electric over hydraulic, (spring applied/hydraulic released) multi-disc brake mounted on the speed reducer. Operated by a switch from the operator's cab.

Swing Brake - 360°, foot operated, hydraulic applied disc brake mounted to the speed reducer.

Swing Lock - Two-position swing lock (boom over front or rear) operated from the operator's cab.

360° Positive Swing Lock - Optional - Meets New York City requirement.

Electrical

Swing Alarm - Audio warning device signals when the upper is swinging.

Lights

Two working lights on front of the cab
One rotating amber beacon on top of the cab - optional
One amber strobe beacon on top of the cab - optional
Boom floodlight - Single - optional
Boom floodlight - Dual - optional
Boom floodlight - High intensity remote controlled - optional

Load Hoist System

Load Hoist Performance

Main (Rear) and Auxiliary (Front) Winches - 5/16" (12mm) Rope										
Layer	Maximum Line Pull		Normal Line Speed		High Line Speed		Layer		Total	
	lb	kN	ft/min	m/min	ft/min	m/min	ft	m	ft	m
2	15,519	69.03	195	59.4	387	118.0	124	37.8	238	72.5
3	14,362	63.89	211	64.3	418	127.4	134	40.8	372	113.4
4	13,365	59.45	226	68.9	449	136.9	144	43.9	516	157.3
5	12,497	55.59	242	73.8	480	146.3	154	46.9	670	204.2
6	---	---	---	---	---	---	164	50.0	834	254.2

Wire Rope Application		Diameter		Type	Maximum Permissible Load	
		in	mm		lb	kN
Main (Rear) Winch	Standard	3/4	19	18x19 rotation resistant - right regular lay (Type RB)	15,600	69.39
	Optional	3/4	19	36x7 rotation resistant - right regular lay (Type ZB)	12,920	57.47
Auxiliary (Front)Winch	Standard	3/4	19	18x19 rotation resistant - right regular lay (Type RB)	15,600	69.39
	Optional	3/4	19	36x7 rotation resistant - right regular lay (Type ZB)		

2M Main and Optional Auxiliary Winches

Axial piston, full and half displacement (2-speed) motors driven through planetary reduction unit for positive control under all load conditions.

Grooved lagging

Power up/down mode of operation

Hoist drum cable follower - optional

Drum rotation indicator 40.6cm

Drum diameter: 16 in (40.6cm)

Rope length: 222.5m

Main: 730 ft (222.5m) or 182.9m

Auxiliary: 600 ft (182.9m) or 730 ft (222.5m)

Maximum rope storage: 834 ft (254.2m)

Terminator style socket and wedge

Hydraulic System

All circuits of the hydraulic system are pressure compensated.

Counterbalance Valves - All hoist motors, boom extend cylinders, and boom hoist cylinders are equipped with counterbalance valves to provide load lowering and to prevent accidental load drop if hydraulic power is suddenly reduced.

Hydraulic Oil Cooler - One carrier mounted cooler removes heat from the hydraulic oil. The cooler is mounted in left side access ladder.

Boom Hoist Float Valves (Optional) - For transporting the boom over the rear of the crane with a boom dolly. Allows hydraulic oil within the boom hoist cylinder to flow between piston side and case side, allowing the boom to float while on the boom dolly.

Swing Brake Release - For transporting the boom over the rear of the crane with a boom dolly. Holds the 360° swing park brake in the released position allowing free rotation of the upper structure.

Counterweight

Standard - Total of 11,500 lb (5 216kg) of total counter

weight consisting of three, hydraulically removable counterweights. Assembled and disassembled by hydraulic cylinders. Boom counterweight located in operator's cab with capacities for:

2,500 lb (1 134.0kg) counterweight
5,500 lb (2 494.8kg) counterweight
8,500 lb (3 855.5kg) counterweight
11,500 lb (5 216.3kg) counterweight

Optional - 15,000 lb (6 803.9kg) in addition to standard counterweight for a total of 26,500 lb (12 020.2kg) with

14,500 lb (6 577.1kg) counterweight
20,500 lb (9 298.6kg) counterweight
23,500 lb (10 659.4kg) counterweight
26,500 lb (12 020.2kg) counterweight

Optional - 21,000 lb (9 525.4kg) in addition to standard counterweight for a total of 32,500 lb (14 741.8kg) with

14,500 lb (6 577.1kg) counterweight
17,500 lb (7 937.9kg) counterweight
20,500 lb (9 298.6kg) counterweight
23,500 lb (10 659.4kg) counterweight
26,500 lb (12 020.2kg) counterweight
29,500 lb (13 381.0kg) counterweight
32,500 lb (14 741.8kg) counterweight

Optional - 28,000 lb (12 700.6kg) in addition to standard counterweight for a total of 39,500 lb (17 916.9kg) with

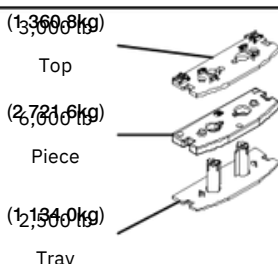
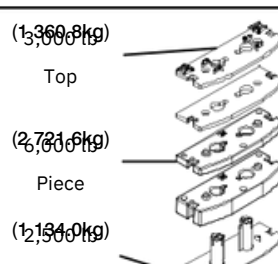
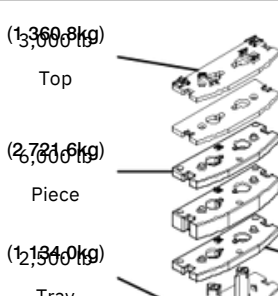
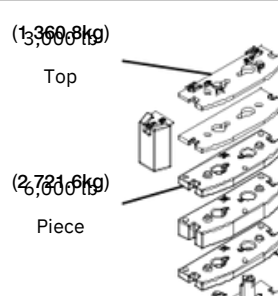
14,500 lb (6 577.1kg) counterweight
17,500 lb (7 937.9kg) counterweight
20,500 lb (9 298.6kg) counterweight
23,500 lb (10 659.4kg) counterweight
26,500 lb (12 020.2kg) counterweight
29,500 lb (13 381.0kg) counterweight
32,500 lb (14 741.8kg) counterweight
39,500 lb (17 916.9kg) counterweight*

Low speed jobsite travel is offered for these optional counterweight configurations and a boom dolly or boom trailer may be required for on-highway travel.

* Overall width of the crane increases to 11 ft (**3.4m**) for this counterweight configuration



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 11,500 lb (5 216.3kg)		 26,500 lb (12 020.2kg)					
 32,500 lb (14 741.8kg)		 39,500 lb (17 916.9kg)					
Counterweight Packages	11,500 lb (5 216.3kg) - Standard						
	26,500 (12 020.2kg) - Optional						
	32,500 (14 741.8kg) - Optional						
	39,500 (17 916.9kg) - Optional						
Counterweight Modules	(1,154.0kg) Tray	(2,721.6kg) Piece	(1,360.8kg) Top	(1,360.8kg) Piece	(5,216.3kg) Piece	(2,721.6kg) Piece	(3,175.2kg) 2-Pieces
Counterweight Usage Configurations	(0kg)						
	(1,154.0kg)	X					
	(2,443.1kg)	X		X			
	(3,856.5kg)	X	X				
	(5,216.3kg)	X	X	X			
	(6,450.4kg)	X	X	X	X		
	(7,730.9kg)	X	X	X		X	
	(9,290.6kg)	X	X	X	X	X	
	(10,659.4kg)	X	X	X		X	
	(12,020.2kg)	X	X	X	X	X	
	(13,381.0kg)	X	X	X		X	X
	(14,741.8kg)	X	X	X	X	X	X
	(17,916.9kg)	X	X	X	X	X	X

6 Carrier

General

8 ft 6 in (2.6m) wide
23 ft 10 in (7.26m) wheelbase (centerline of first axle to

Frame - Box-type, torsion resistant, welded construction made of high tensile steel. Equipped with front and rear towing and tie-down lugs, tow connections, and

Outriggers

Boxes - Two double box, front and rear welded to the carrier frame

Beams and Jacks - Four dual stage beams with Confined Area Lifting Capacities (CALC) provide selectable outrigger extensions of full, intermediate, and retracted positions. Jacks with integral check valves, hydraulically controlled

front the operator's cab and at the front bumper of carrier.

Pontoons - Four lightweight, stow'n go, 23.5" x 27.25" (59.7 x 69.2cm) hexagonal steel pontoons with a contact area of 485 in² (3 129cm²) can be stored for road travel in either the storage racks on the carrier or under the outrigger boxes.

Main Jack Reaction - 106,000 lb (48 080.8kg) force and 217 psi (1 496.2kPa) groundbearing pressure

Steering and Axles

Sheppardfull integral master gear/slave gear steering system provides hydraulic assisted steering with me

Axle 1 & 2 - 4 x 4 for on/off-highway travel

Axle 3 & 4 - Tandem steered, non-driven

Inter-Axle Differential Lock - Tandem non-steered, driven with reduced traction

Traction adding device - Traction adding device

that locks axle 3 with axle 4. Operated by a switch from the carrier cab.

Suspension

Front - Raydan Air Link walking beam air suspension

Rear - Raydan Air Link walking beam air suspension

Axle Lift System - Optional - Improves rear tire

ground clearance when the crane is up on outriggers.

The rear tandem axles are raised and lowered with a switch in the carrier cab. The axle lift system can be controlled with a switch on both sides of the carrier.

Tires and Wheels

Front - Four (single) 445/65R22.5 tires on aluminum disc wheels

Rear - Eight (dual) 12R22.5 tires on aluminum disc wheels

Spare tires and wheels - optional

Tire inflation kit - optional

Brakes

Service - Full air anti-lock (ABS) brakes on all wheel ends. Dual circuit compressed air system with air dryer.

Parking/Emergency - Spring loaded type, acting on 3rd

and 4th axles (27.5 and 28.5 inch) with air pressure drops

Electrical

Battery - Three batteries provide 12 volt starting and operation

Lights

Front lighting includes two main headlights, two high beam lights, two parking/directional indicators, and three cab marker lights.

Side lighting includes three parking/directional indicators per side.

Rear lighting includes two parking/directional indicators, two parking/brake lights, two reverse lights, three marker lights, and a license plate light.

Other equipment includes hazard/warning system, cab light, instrument panel light, and signal horn.

One amber strobe beacon on top of the cab - optional

Daytime running lights - optional

Engine

Specification	Cummins ISX12	Cummins QSX15
Emissions Compliance Level:	EPACertified	Tier III/Stage IIIA ⁽²⁾
Maximum Allowable Sulfur Content of Fuel (PPM):	15	5000
Numbers of cylinders:	6	6
Cycle:	4	4
Bore and Stroke: inch (mm)	5.11 x 5.91 (130x150)	5.19 x 6.05 (132x154)
Piston Displacement: in ³ (L)	729 (11.9)	915 (15.0)
Max Brake Horsepower:	450 (336) @ 1,200 rpm	480 (358.8) @ 1,200 rpm
Peak Torque: ft lb (Nm)	414 (309) @ 1,800 rpm	2,100 rpm
Alternator: volts - amps	2,100 rpm	1,550 (2 102) @ 1,400 rpm
Crankcase Capacity: qt (L)	1,550 (2 102) @ 1,200 rpm	12 - 135 48.0 (45.4)
Cruise control Cummins ISX12 Three stage engine compression brake Thermostatically controlled, hydraulically driven radiator fan 120 volt engine block heater - ISX Ether injection system - optional on ISX Grid heater starting aid standard on QSX and ISX 220 volt engine block heater - QSX15 Cummins QSX15 Two stage compression brake Complies with EPA emissions standards effective January 2010. Complies with Tier III and Stage IIIA emissions standards effective January 2006.		

Transmission

Automated - ZF AS-TRONIC (no clutch pedal) manual transmission with 12 forward gears and 2 reverse gears.

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Carrier Speeds and Gradeability

ZF Astronic			Governed Speed				Gradeability (@ Peak Torque Except Creep @ Idle)	
			EPA 2010		Tier III/Stage IIIA			
Gear		Ratio	mph	km/h	mph	km/h	% Grade	
							EPA 2010	Tier III/ Stage IIIA
12th		0.78	62.9	101.2	62.8	78.7	3.9	3.3
11th		1.00	48.9	78.7	48.9	62.1	5.0	4.6
10th		1.27	38.6	62.1	38.6	48.3	6.4	6.2
9th		1.63	30.0	48.3	30.0	37.4	8.3	8.3
8th		2.10	23.3	37.5	23.3	29.1	10.6	10.9
7th		2.70	18.1	29.1	18.1	22.1	14.0	14.6
6th		3.55	13.8	22.2	13.8	17.2	17.9	19.0
5th		4.57	10.7	17.2	10.7	13.6	22.7	24.3
4th		5.78	8.5	13.7	8.5	10.6	29.2	31.4
3rd		7.44	6.6	10.6	6.6	8.2	37.7	40.7
2nd		9.59	5.1	8.2	5.1	6.4	48.4	52.4
1st		12.33	4.0	6.4	4.0	6.9	44.9	48.5
Reverse 1		11.41	4.3	6.9	4.3	8.9	34.9	37.6
Reverse 2		8.88	5.5	8.9	5.5	2.7	19.5	28.8
Creep @ idle	2nd	9.59	1.7	2.7	1.7	2.1	25.0	37.2
	1st	12.33	1.3	2.1	1.3	2.3	23.2	34.4
	Reverse 1	11.41	1.4	2.3	1.4	3.0	18.0	26.6
	Reverse 2	8.88	1.8	3.0	1.8			
Based on a gross vehicle weight of 95,000 lb (43,091 kg)								

Based on a gross vehicle weight of 95,000 lb (43,091.5kg)

Fuel Tank

One 95 gal (359.6L) capacity tank

Hydraulic System

All functions are hydraulically powered allowing positive, precise control with independent or simultaneous operation of all functions.

Main Pumps

Three fixed displacement gear pumps with automatic disconnect for the main and auxiliary winches, swing, boom hoist, control circuit, and telescope for use when pick & carry switch is in travel mode.

One fixed displacement gear pump for steering and the front bumper outrigger

Two fixed displacement gear pumps for engine cooling fan and main outriggers. These pumps also provide flow to the winches and boom hoist for "pick & carry" mode.

Combined pump capacity of 188 gpm (711.7 Lpm)

Hydraulic Reservoir - 144 gal (545.1L) capacity equipped with sight level gauge. Diffusers built in for deaeration.

Filtration - One 10 micron, full flow, return line filter. All oil is filtered prior to return to reservoir. Accessible for easy filter replacement.

Pump Drive

All pumps are mechanically driven by the diesel engine. Main and auxiliary winches, swing, boom hoist, control circuit, and telescope pumps are mounted to an automatic pump disconnect on the rear of the transmission to aid in cold weather starting as well as to reduce pump wear while traveling.

Lower Cab and Controls

Environmental Cab - Fully enclosed, one person cab of composite structure with acoustical insulation. Equipped with:

- Tinted and tempered glass windows
- Roll down left side window for ventilation
- Right side window
- Windshield wiper and washer
- Six way adjustable and air suspended driver's seat with seat belt
- Two adjustable rear view mirrors
- Engine dependent warm-water heater with air ducts for windshield defroster and cab floor
- Adjustable sun visor
- Dome light
- 12 volt connection
- Fire extinguisher

Air Conditioning - Optional - Integral with cab heating system utilizing the same ventilation outlets

Cab Instrumentation - Ergonomically positioned analog instrumentation for driving including:

- Speedometer with odometer, hourmeter, trip odometer, and clock
- Front and rear air pressure with warning indicator
- Engine coolant temperature with warning indicator
- Engine oil pressure with warning indicator
- Voltage indicator with warning indicator
- Fuel level
- Tachometer
- Diesel emission fluid with warning indicator (EPA 2010 engine only)

Right Side Console - Controls and indicators for:

- Transmission gear shifting
- Transmission digital readout
- Cruise controls
- Engine compression brake controls

Dash Mounted Controls For:

- Carrier lights
- Carrier/upper throttle control
- Engine cooling fan override
- Cab heater/air conditioning
- Console dimmer switch
- Anti-lock brake diagnostic switch
- Diesel particulate filter switch (EPA 2010 engine only)
- Park brake
- Pick & carry switch
- Inter-axle differential lock switch
- Engine ignition (EPA 2010 engine only)
- Rear axle lift system switch - optional

Dash Mounted Indicator For:

- Check, stop, and service engine
- Turn signal indication
- Park brake
- Cruise activation
- High beam headlights
- Check anti-lock brake system
- Check anti-lock trailer brake system
- Diesel particulate filter indication (EPA 2010 engine only)
- High exhaust temperature indication (EPA 2010 engine only)
- Regeneration inhibit (EPA 2010 engine only)

Steering Column Controls For:

- Engine ignition (Tier III/Stage IIIA engine only)
- Warning horn
- Turn indicators
- High beam headlights
- Steering wheel adjustments
- Intermittent windshield wiper and washer
- Hazard lights

Foot Controls For:

- Carrier service brakes
- Engine throttle

Additional Equipment

Standard:

- Aluminum full deck fenders with mud flaps
- Left and right bubble levels
- Air hose connection ports
- Clearance flags

Optional:

- Pneumatic and electrical quick disconnect connectors mounted on the rear for trailer or boom dolly brakes and lights
- Left side aluminum storage box
- Rear mounted pintle hook

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Axle Loads

Base crane with full tank of fuel and no counterweight		Counterweight (1)		Front Axles		Rear Axles	
		lb	kg	lb	kg	lb	kg
		79,072	35 866	35,367	16 042	43,705	19 824
	EPA 2010	78,696	35 696	35,033	15 891	43,663	19 805
	Tier III/Stage IIIA						
Driver in carrier cab			6		-3		8
Rear pintle hook		13	5	-6	-2	19	7
Pneumatic and electrical connectors for trailer or boom dolly		11	27	-28	13	15	14
Carrier aluminum storage box		59	26		0	31	26
Air ride lift system - rear axles		58	3	0	2	58	1
Ether injection		59	31	-35	-16	104	47
Hoist drum follower - main		735	333	-240	-109	975	442
Auxiliary winch with 600 ft (182.9m) of 3/4" (19mm) type "RB" rope		69	31	-21	-10	90	41
Hoist drum follower - auxiliary		163	74	-54	-24	217	98
Substitute 600 ft (182.9m) of rope with 730 ft (222.5m) of rope - auxiliary		-931	-422	373	169	-1,304	-591
Remove 730 ft (222.5m) of rope from rear (main) winch		-768	-348	252	114	-1,020	-463
Remove 600 ft (182.9m) of rope from front (auxiliary) winch		199	90	-4	-2	203	92
Air conditioner - operator's cab		140	64	21	9	119	54
360° mechanical swing lock							1 723
2,500 lb (1 134.0kg) counterweight tray on upper			1 154		-569		2 019
3,000 lb (1 360.8kg) counterweight on upper		2,544	1 352	-1,255	-667	3,799	4 065
6,000 lb (2 721.6kg) counterweight on upper		2,981	2 722	-1,471	-1 343	4,452	4 065
6,000 lb (2 721.6kg) counterweight on upper		6,000	2 722	-2,961	-1 343	8,961	8 163
12,000 lb (5 443.1kg) counterweight on upper		6,000	5 466	-2,961	-2 697	8,961	2 038
3,000 lb (1 360.8kg) top counterweight on upper		12,050	1 365	-5,947	-674	17,997	1
Floodlight to the front of boom base section		3,009	3	-1,485	3	4,494	18
Fly mounting brackets to boom base section for flyoptions		176	80	136	62	140	24
35 ft (10.7m) offsettable, one-piece lattice fly - stowed		1,591	722	1,539	698	52	171
35-58 ft (10.7-17.7m) offsettable, two-piece (bi-fold) lattice fly -stowed		2,263	1 026	1,886	855	377	-41
Auxiliary lifting sheave		110	50	200	91	-90	-304
40 ton (36.3mt) 4-sheave hookblock at front bumper		900	408	1,570	712	-670	-375
60 ton (54.4mt) 4-sheave hookblock at front bumper		1,109	503	1,935	878	-826	-525
100 ton (90.7mt) 6-sheave hookblock at front bumper		1,554	705	2,711	1 230		-122
8.5 ton (7.7mt) hookballat frontbumper		360	163	628	285	-1257	-196
10 ton (9.1mt) hookballat frontbumper		580	263	1,012	459	-432	

Counterweight Load Transfer		Front Axles		Rear Axles	
		lb	kg	lb	kg
Transfer 2,500 lb (1 134.0kg) counterweighttraytocarrier deck		3,194	1 697	-3,194	-1 697
Transfer 3,000 lb (1 360.8kg) counterweight to carrier deck		3,742	3 416	-3,742	-3 416
Transfer 6,000 lb (2 721.6kg) counterweight to carrier deck		7,532	3 416	-7,532	-3 416
Transfer 6,000 lb (2 721.6kg) counterweight to carrier deck		7,532	6 862	-7,532	-6 862
Transfer 12,000 lb (5 443.1kg) counterweight to carrier deck		15,128	1 714	-15,128	-1 714
Transfer 3,000 lb (1 360.8kg) topcounterweighttocarrier deck		3,778		-3,778	

Maximum Load @ 65 mph (105 km/h)	
Front	46,400lb (21 044kg)-aluminum disc wheels with 445/65R22.5 tires
Rear	52,000lb (23 587kg)-aluminum disc wheels with 12R22.5 tires

(1) Adjust gross vehicle weight and axle loading according to component weight. All weights are ±3%.

10 Axle Loads with 2-Axle or 3-Axle Boom Dolly

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Base crane with full tank of fuel and no counterweight		Counterweight (one)		Front Axles		Rear Axles		Dolly Axles	
		lb	kg	lb	kg	lb	kg	lb	kg
		79,072	35,866	31,032	14,076	34,989	15,871	13,951	6,328
	EPA 2010 Tier III/Stage IIIA	78,696	35,696	29,701	13,742	35,044	15,896	13,951	6,328
Nelson 2-axle boom dolly		9,000	4,082	0	0	0	0	9,000	4,082
Nelson 3-axle boom dolly		250	113	315	143	-65	-29	0	0
Driver in carrier cab			6		-3		8	0	0
Rear pintle hook		13	5	-6	-2	19	7	0	0
Pneumatic and electrical connectors for trailer or boom dolly		11	27	28	13	15	14	0	0
Carrier aluminum storage box		59	26		0	31	26	0	0
Air ride lift system - rear axles		58	2	0	0	58	1	0	0
Ether injection		59	31	53	24	16	7	0	0
Hoist drum follower - main									
Auxiliary winch with 600 ft (182.9m) of 3/4" (19mm) type "RB" rope		735	333	437	198	298	135	0	0
Hoist drum follower - auxiliary		69	31	40	18	29	13	0	0
Substitute 600 ft (182.9m) of rope with 730 ft (222.5m) of rope - auxiliary		163	74	97	44	66	30	0	0
Remove 730 ft (222.5m) of rope from rear (main) winch		-931	-422	-623	-282	-308	-140	0	0
Remove 600 ft (182.9m) of rope from front (auxiliary) winch		-768	-348	-458	-208	-310	-140	0	0
Air conditioner - operator's cab		199	90	58	26	141	64	0	0
360° mechanical swing lock		140	64	17	8	123	56	0	0
2,500 lb (1,134.0kg) counterweight tray on carrier deck			1,154		879	606	275	0	0
3,000 lb (1,360.8kg) counterweight on carrier deck		2,544	1,352	1,938	1,030	710	322	0	0
6,000 lb (2,721.6kg) counterweight on carrier deck		2,981	2,722	2,271	2,074	1,429	648	0	0
6,000 lb (2,721.6kg) counterweight on carrier deck		6,000	2,722	4,571	2,074	1,429	648	0	0
12,000 lb (5,443.1kg) counterweight on carrier deck		6,000	5,466	4,571	4,164	2,869	1,301	0	0
3,000 lb (1,360.8kg) top counterweight on upper		12,050	1,365	9,181	1,040	716	325	0	0
Flood light to the front of boom base section		3,009	3	2,293	1	1	1	5	2
Fly mounting brackets to boom base section for flyoptions		176	80	30	14	30	77	116	53
10.7m (35 ft) offsettable, one-piece lattice fly - stowed		1,591	722	168	76	170	155	1,583	718
10.7-17.7m (35-58 ft) offsettable, two-piece (bi-fold) lattice fly - stowed		2,263	1,026	339	154	342	0	1,584	718
4.9m (16 ft) lattice inserts (stowed on 3-axle boomdolly)		1,584	718	0	0	0	-9	149	67
Auxiliary lifting sheave		110	50	-19	-9	-19	-61	1,169	530
40 ton (36.3mt) 4-sheave hook block at boom head		900	408	-134	-61	-135	-76	1,441	654
60 ton (54.4mt) 4-sheave hook block at boom head		1,109	503	-165	-75	-167	-106	2,019	916
100 ton (90.7mt) 6-sheave hook block at boom head		1,554	705	-231	-105	-233	-25	468	212
8.5 ton (7.7mt) hookball at boom head		360	163	-54	-24	-54	-39	754	342
10 ton (9.1mt) hookball at boom head		580	263	-87	-39	-87			

Counterweight Load Transfer		Front Axles		Rear Axles		Dolly Axles	
		lb	kg	lb	kg	lb	kg
Transfer 3,000 lb (1 360.8kg) counterweight to the boom dolly		-2,271	-1 030	-710	-322	2,981	2 722
Transfer 6,000 lb (2 721.6kg) counterweight to the boom dolly		-4,571	-2 074	-1,429	-648	6,000	2 722
Transfer 6,000 lb (2 721.6kg) counterweight to the boom dolly		-4,571	-2 074	-1,429	-648	6,000	2 722
Transfer 12,000 lb (5 443.1kg) counterweight to the boom dolly		-9,181	-4 164	-2,869	-1 301	12,050	5 466
Transfer 3,000 lb (1 360.8kg) top counterweight to the boom dolly		-2,293	-1 040	-716	-325	3,009	1 365

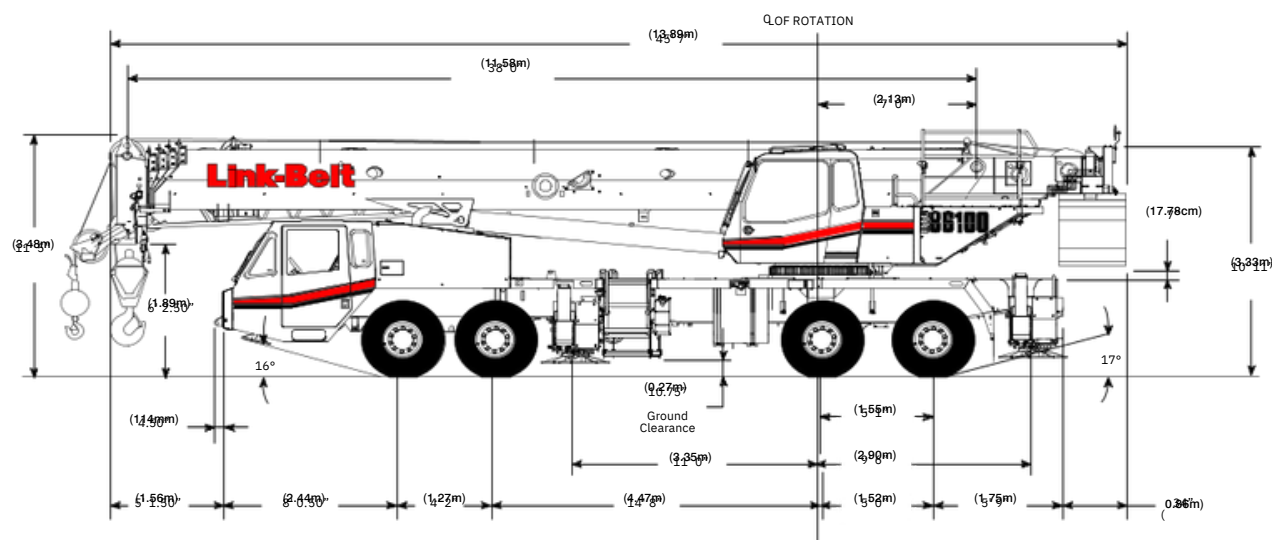
Maximum Load @ 65 mph (105 km/h)	
Front	46,400lb (21 047kg) -aluminum disc wheels with 445/65R22.5 tires
Rear	52,000lb (23 587kg) -aluminum disc wheels with 12R22.5 tires

(1) Adjust gross vehicle weight and axle loading according to component weight. All weights are ±3%.

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General Dimensions

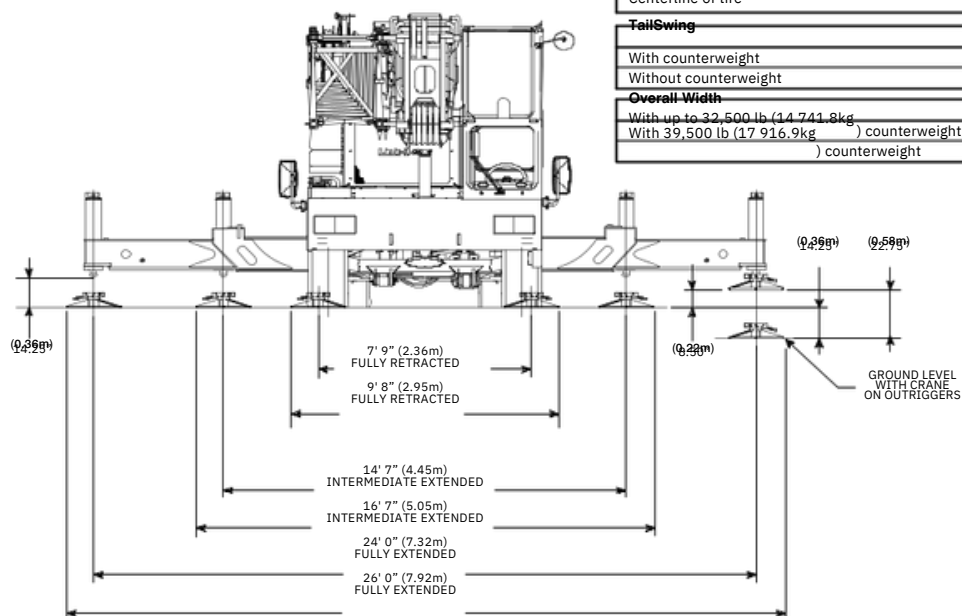
EPA 2010



Turning Radius	English	Metric
Wall to wall over carrier	48' 4"	14.7m
Wall to wall over boom	49' 2"	15.0m
Wall to wall over boom attachment	51' 0"	15.5m
Curb to curb	44' 1"	13.4m
Centerline of tire	43' 4"	13.2m

TailSwing	English	Metric
With counterweight	13' 9"	4.2m
Without counterweight	13' 1"	4.0m

Overall Width	English	Metric
With up to 32,500 lb (14 741.8kg)	8' 6"	2.6m
With 39,500 lb (17 916.9kg) counterweight	11' 0"	3.4m
() counterweight		



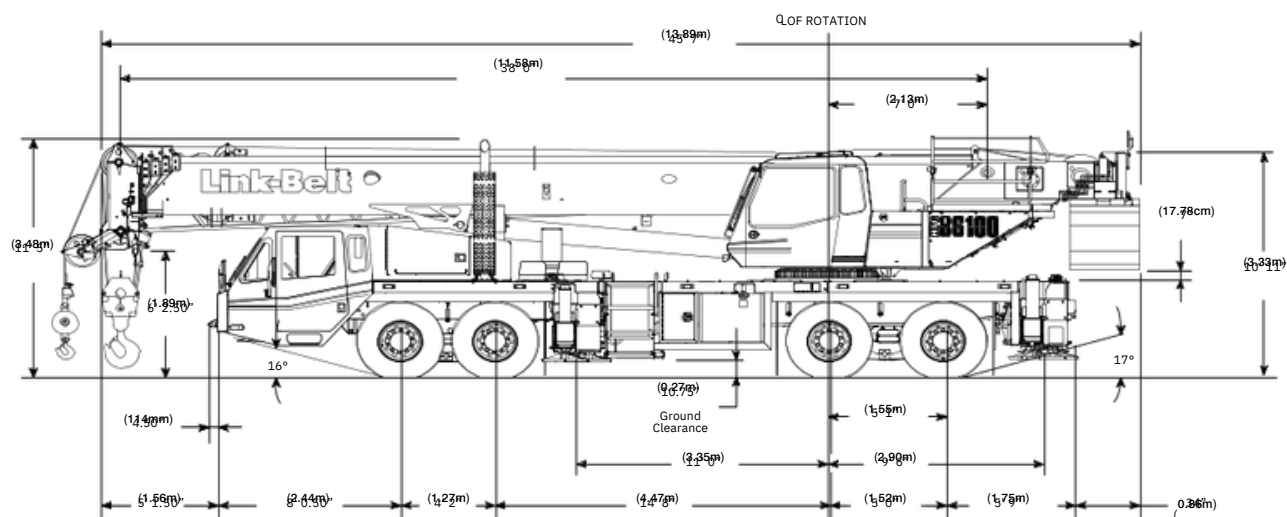
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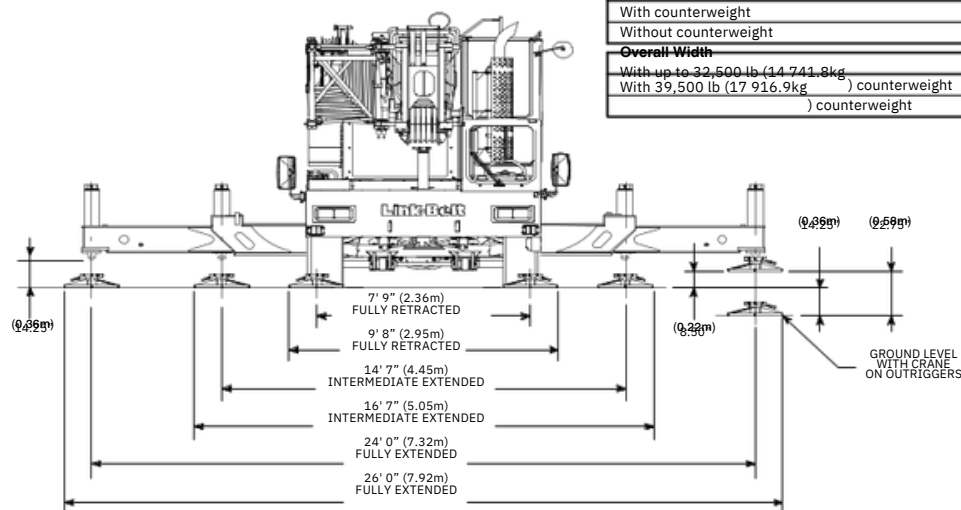
12 General Dimensions

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TierIII / StagelIIIA



Turning Radius	English	Metric
Wall to wall over carrier	48' 4"	14.7m
Wall to wall over boom	49' 2"	15.0m
Wall to wall over boom attachment	51' 0"	15.5m
Curb to curb	44' 1"	13.4m
Centerline of tire	43' 4"	13.2m
TailSwing	English	Metric
With counterweight	13' 9"	4.2m
Without counterweight	13' 1"	4.0m
Overall Width	English	Metric
With up to 32,500 lb (14,741.8kg)	8' 6"	2.6m
With 39,500 lb (17,916.9kg) counterweight	11' 0"	3.4m



Not To Scale

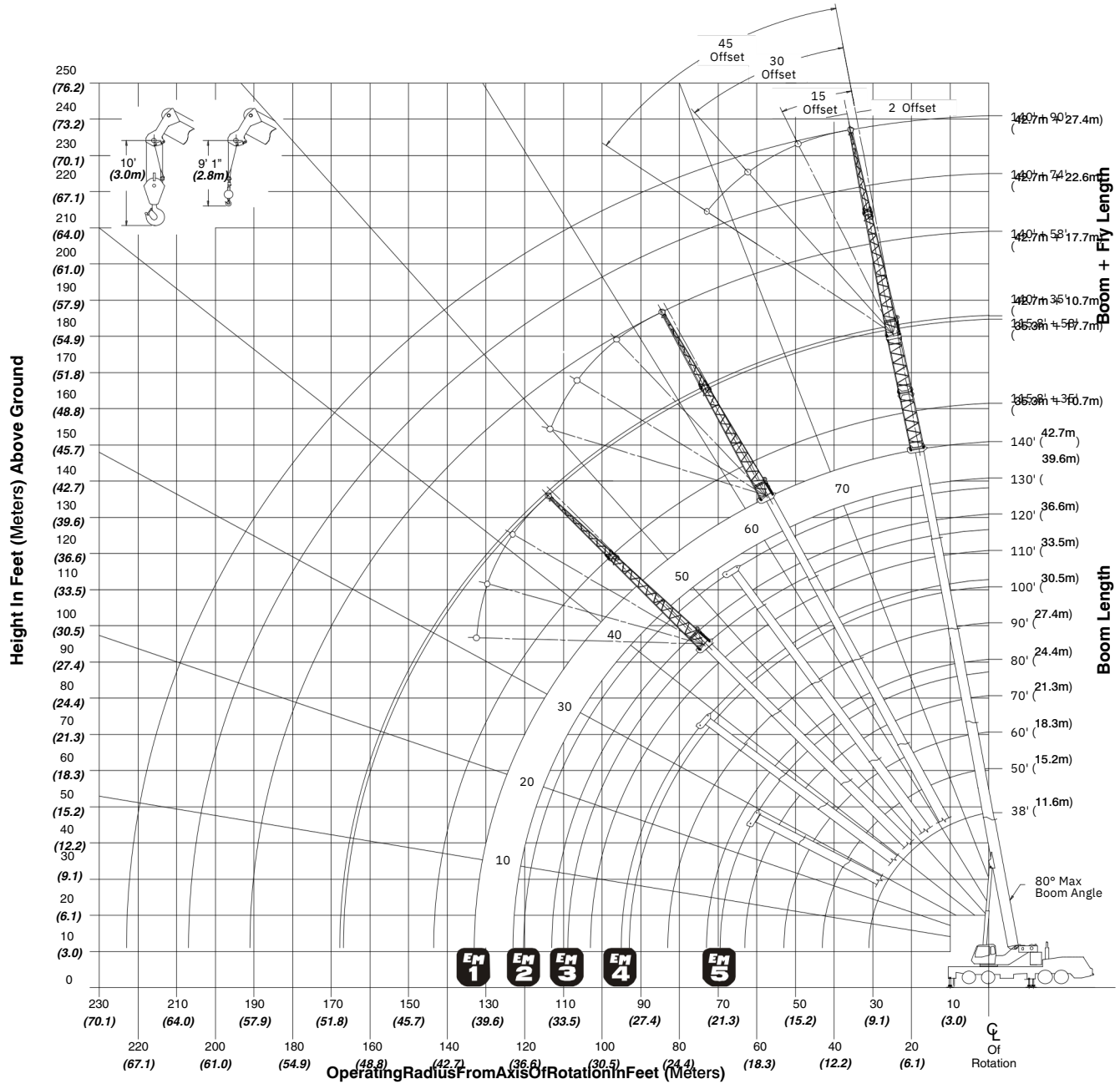
HTC -86100

Link-Belt Cranes



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Working Range Diagram

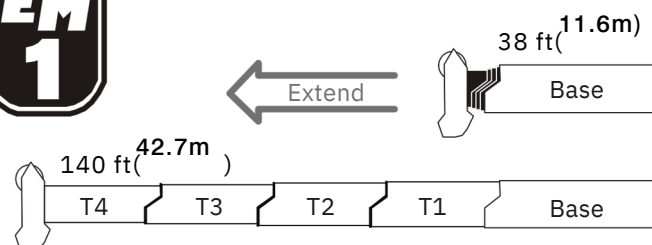




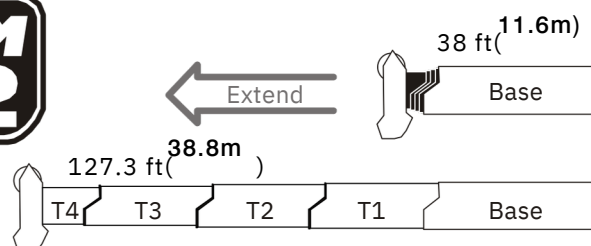
14 Boom Extend Modes

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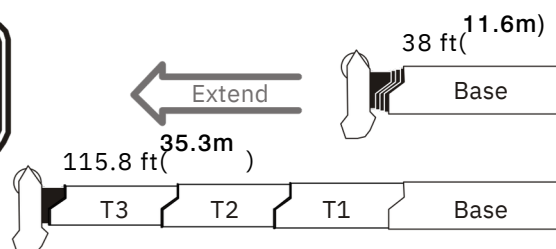
Boom Length		Section Length			
ft	m	T4	T3	T2	T1
60	18.2	90%			
70	21.3	100%			
80	24.4	100%	31%		
90	27.4	100%	71%		
100	30.5	100%	100%	11%	
110	33.5	100%	100%	49%	
120	36.6	100%	100%	88%	
130	39.6	100%	100%	100%	25%
140	42.7	100%	100%	100%	63%
			100%	100%	100%



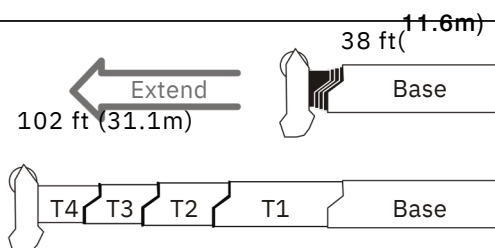
Boom Length		Section Length			
ft	m	T4	T3	T2	T1
60	18.2	48%	2%		
70	21.3	48%	42%		
80	24.4	48%	82%		
90	27.4	48%	100%	21%	
100	30.5	48%	100%	60%	
110	33.5	48%	100%	98%	
120	36.6	48%	100%	100%	35%
127.3	38.8		100%	100%	73%
		0%		100%	100%



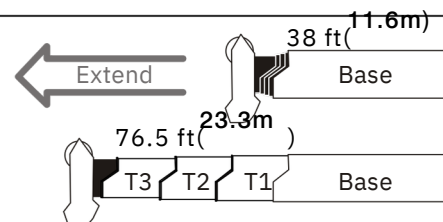
Boom Length		Section Length			
ft	m	T4	T3	T2	T1
60	18.2	0%	48%		
70	21.3	0%	100%		
80	24.4	0%	100%	27%	
90	27.4	0%	100%	65%	
100	30.5		100%	100%	4%
115.8	35.3	48%	100%	100%	41%
		48%		100%	100%



Boom Length		Section Length			
ft	m	T4	T3	T2	T1
60	18.2	48%	2%		
70	21.3	48%	42%		
80	24.4		51%	30	
90	27.4		51%	%	18%
102	31.1		51%	50	55%
				%	100%



Boom Length		Section Length			
ft	m	T4	T3	T2	T1
50.7	15.5	0%	51%	%	
63.7	19.4	0%	51%	50	
76.5	23.3	0%	51%	%	48%



50

%



Main Boom Lift Capacity Charts - Standard

8,500 lb Counterweight - Fully Extended Outriggers - 500° Rotation (All Capacities Are Listed In Pounds)												
Radius (ft)	Boom Length (ft)											Radius (ft)
	38	50	60	70	76.5/80	90	100	110	120	130	140	
9	104,400											10
10	154,600*											12
12	129,300*	152,100*	117,900	89,70								15
15	102,500	131,300*	108,800	0	85,100**							20
20	74,700	104,600	104,900	85,00	78,400**	57,700						25
25	54,700	77,000	77,400	0	76,500**	56,200	49,100	42,500				30
30	39,600	57,900	59,400	78,80	59,700	55,300	45,800	42,500	33,700	29,700		35
35		43,300	44,400	0	44,300	43,800	43,200	38,300	31,200	29,400	24,400	40
40		33,100	34,100	70,30	34,100	35,000	33,500	34,500	30,900	29,100	24,100	45
45		26,100	27,200	0	28,100	28,000	28,000	27,500	28,100	26,900	24,000	50
50			22,800	60,10	23,900	23,300	24,000	23,800	23,500	23,100	22,700	55
55			18,900	0	20,000	20,200	20,100	19,900	19,600	19,100	18,800	60
60				44,60	16,900	17,100	16,900	16,800	16,400	16,000	15,700	65
65				0	14,400	14,600	14,500	14,300	14,000	13,600	13,200	70
70				34,90	12,500	12,700	12,500	12,400	12,100	11,700	11,400	75
75				0	10,800	11,000	10,900	10,800	10,400	10,100	9,700	80
80				27,90		9,600	9,500	9,400	9,100	8,700	8,400	85
85				0		8,400	8,300	8,200	7,900	7,500	7,200	90
90				23,50			7,300	7,200	6,800	6,500	6,200	95
95				0			6,300	6,300	6,000	5,600	5,300	100
100				19,60				5,500	5,200	4,800	4,500	105
105				0				4,800	4,500	4,100	3,800	110
110				16,50					3,900	3,500	3,200	115
115				0					3,300	3,000	2,700	120
120				14,00						2,500	2,200	125
125				0						2,000	1,700	130
130											900	
* Special Conditions Or Wire Rope Required												
** 76.5 EM5 mode												

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.

8,500 lb Counterweight • On Tires • Stationary • Boom Centered Over Rear (All Capacities Are Listed In Pounds)								
Radius (ft)	Boom Length (ft)							Radius (ft)
	38	50	60	70	80	90	100	
12	32,200							12
15	29,000	30,400						15
20	25,000	26,500	22,300					20
25	19,700	21,400	22,300	17,700				25
30	13,100	15,700	17,100	17,700	13,600			30
35	8,800	11,400	12,700	13,300	13,600	10,800	8,900	35
40		8,400	9,600	10,200	10,600	10,800	8,900	40
45		6,100	7,400	8,000	8,400	8,600	8,500	45
50			5,600	6,200	6,600	6,800	6,800	50
55			4,300	4,900	5,200	5,400	5,400	55
60				3,800	4,100	4,300	4,300	60
65				2,900	3,200	3,400	3,400	65
70					2,400	2,600	2,600	70
75					1,800	2,000	1,900	75
80						1,400	1,400	80
						900	900	

8,500 lb Counterweight • On Tires • Pick & Carry (Full) • Boom Centered Over Rear (All Capacities Are Listed In Pounds)								
Radius (ft)	Boom Length (ft)							Radius (ft)
	38	50	60	70	80	90	100	
12	22,200							12
15	19,800	21,100						15
20	16,600	18,100	18,900					20
25	12,500	14,200	15,100	15,500				25
30	9,300	11,200	12,200	12,600	12,800			30
35	6,800	8,800	9,800	10,300	10,600	10,800	8,900	35
40		6,900	7,900	8,400	8,800	8,900	8,900	40
45		5,300	6,400	6,900	7,200	7,400	7,400	45
50			5,100	5,600	6,000	6,100	6,100	50
55			3,900	4,500	4,900	5,100	5,000	55
60				3,600	3,900	4,100	4,100	60
65				2,700	3,100	3,300	3,300	65
70					2,400	2,600	2,500	70
75					1,800	2,000	1,900	75
80						1,400	1,400	80
						900	900	

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.

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11,500 lb Counterweight - Fully Extended Outriggers - 360° Rotation (All Capacities Are Listed In Pounds)												
Radius (ft)	Boom Length (ft)											Radius (ft)
	38	50	60	70	76.5/80	90	100	110	120	130	140	
9	105,000											10
10	155,400*											12
12	131,900*	152,100*	117,900	89,70								15
15	104,600	133,900*	108,800	0	85,100**							20
20	76,400	106,700	106,500	85,00	78,400**	57,700						25
25	57,800	78,600	79,000	0	76,500**	56,200	49,100	42,500				30
30	42,300	61,000	61,500	78,80	62,700	55,300	45,800	42,500	33,700	29,700		35
35		46,000	47,100	0	47,000	46,500	45,200	38,300	31,200	29,400	24,400	40
40		35,300	36,300	70,30	36,300	36,200	35,700	35,100	30,900	29,100	24,100	45
45		27,900	29,000	0	29,900	29,900	29,800	29,300	28,800	28,700	24,000	50
50			23,900	63,00	25,100	24,700	24,900	25,400	25,000	24,600	23,800	55
55			20,300	0	21,500	21,400	21,500	21,400	21,000	20,600	20,300	60
60				47,30	18,300	18,500	18,400	18,200	17,900	17,500	17,100	65
65				0	15,700	15,900	15,700	15,600	15,300	14,900	14,500	70
70				36,50	13,600	13,700	13,600	13,500	13,100	12,700	12,500	75
75				0	11,800	12,100	11,900	11,800	11,500	11,100	10,800	80
80				29,70		10,600	10,500	10,400	10,000	9,700	9,300	85
85				0		9,300	9,200	9,100	8,800	8,400	8,100	90
90				24,50			8,100	8,000	7,700	7,300	7,000	95
95				0			7,100	7,100	6,700	6,400	6,100	100
100				21,10				6,200	5,900	5,600	5,200	105
105				0				5,500	5,200	4,800	4,500	110
110				17,90					4,500	4,200	3,900	115
115				0					3,900	3,600	3,300	120
120				15,30						3,100	2,800	125
125				0						2,600	2,300	130
130											1,400	

* Special Conditions Or Wire Rope Required
 ** 76.5 EM5 mode

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.

11,500 lb Counterweight • On Tires • Stationary • Boom Centered Over Rear (All Capacities Are Listed In Pounds)								
Radius (ft)	Boom Length (ft)							Radius (ft)
	38	50	60	70	80	90	100	
12	31,000							12
15	28,500	29,900						15
20	24,600	26,100	21,900					20
25	19,400	21,100	21,900	18,600				25
30	14,600	17,200	18,100	18,600	14,800			30
35	10,000	12,600	13,800	14,400	14,800	11,800	9,400	35
40		9,400	10,600	11,200	11,600	11,800	0	40
45		7,000	8,200	8,800	9,200	9,400	9,400	45
50			6,400	7,000	7,400	7,600	0	50
55			5,000	5,600	5,900	6,100	9,400	55
60				4,400	4,800	4,900	0	60
65				3,400	3,800	4,000	7,500	65
70					3,000	3,200	0	70
75					2,300	2,500	6,100	75
80						1,900	0	80
						1,400	4,900	

0

11,500 lb Counterweight • On Tires • Pick & Carry (T-Mph) • Boom Centered Over Rear (All Capacities Are Listed In Pounds)								
Radius (ft)	Boom Length (ft)							Radius (ft)
	38	50	60	70	80	90	100	
12	21,000						2,400	12
15	19,300	20,600					0	15
20	16,200	17,700	18,400				1,800	20
25	12,100	13,800	14,700	15,100			0	25
30	9,000	10,900	11,800	12,300	12,600		1,300	30
35	6,500	8,500	9,500	10,000	10,300	10,500	8,600	35
40		6,600	7,700	8,200	8,500	8,700	8,600	40
45		5,000	6,100	6,700	7,000	7,200	7,100	45
50			4,800	5,400	5,700	5,900	5,900	50
55			3,700	4,300	4,700	4,800	4,800	55
60				3,400	3,700	3,900	3,900	60
65				2,600	2,900	3,100	3,100	65
70					2,200	2,400	2,400	70
75					1,600	1,800	1,800	75
80						1,300	1,200	80
						800	700	

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.



5644 (supersedes 5611)-0713-N3

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Main Boom Lift Capacity Charts - Optional

32,500 lb Counterweight - Fully Extended Outriggers - 360° Rotation (All Capacities Are Listed In Pounds)												
Radius (ft)	Boom Length (ft)											Radius (ft)
	38	50	60	70	76.5/80	90	100	110	120	130	140	
7	200,000											8
8	180,000*											9
9	167,100*											10
10	158,300*											12
12	142,700*	152,100*	117,900	89,70								15
15	119,300	138,700*	108,800	0	85,100**							20
20	87,600	121,400	106,500	85,00	78,400**	57,70						25
25	68,000	89,800	90,200	0	76,500**	0	49,10	42,50				30
30	54,700	70,300	70,800	78,80	70,300**	56,20	0	0	33,700	29,700		35
35		57,100	57,600	0	58,700	0	45,80	42,50	31,200	29,400	24,400	40
40		47,500	49,100	70,30	49,200	55,30	0	0	30,900	29,100	24,100	45
45		40,500	41,600	0	41,600	0	45,20	38,30	30,600	28,800	24,000	50
50			34,600	63,60	34,600	54,50	0	0	29,900	28,600	23,800	55
55			29,300	0	29,400	0	42,50	35,50	27,800	26,800	23,700	60
60				58,10	25,300	48,80	0	0	25,300	24,800	23,600	65
65				0	22,400	0	38,20	33,40	22,000	21,900	22,100	70
70				49,40	20,000	41,10	0	0	19,300	20,000	19,600	75
75				0	17,700	0	33,70	30,30	18,100	17,700	17,400	80
80				41,80		34,20	0	0	16,200	15,800	15,500	85
85				0		0	28,80	27,90	14,500	14,100	13,800	90
90				34,90		28,90	0	0	13,100	12,700	12,500	95
95				0		0	24,80	24,70	11,900	11,600	11,300	100
100				29,60		26,00	0	0	10,800	10,500	10,200	105
105				0		0	21,50	22,30	9,800	9,500	9,200	110
110				25,50		22,80	0	0	8,900	8,600	8,300	115
115				0		0	20,00	19,60	8,100	7,800	7,500	120
120				22,50		20,10	0	0		7,100	6,800	125
125				0		0	17,80	17,70		6,400	6,100	130
130						17,80	0	0			5,500	
						0	16,50	16,50			5,000	
						15,80	0	0				
* Special Conditions Or Wire Rope Required ** 76.5 EM5 mode *** Over Rear												

0 13,50 13,40
0 0
12,20 12,20
0 0
11,10
0
10,10
0

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.

32,500 lb Counterweight • On Tires • Stationary • Boom Centered Over Rear (All Capacities Are Listed In Pounds)								
Radius (ft)	Boom Length (ft)							Radius (ft)
	38	50	60	70	80	90	100	
12	28,500							12
15	25,400	26,900						15
20	21,800	23,400	24,300					20
25	16,700	18,000	19,300	20,100				25
30	13,000	14,900	15,700	16,100	16,300			30
35	10,100	12,100	13,100	13,500	13,800	13,900	13,800	35
40		9,900	10,900	11,400	11,800	11,900	11,800	40
45		8,000	9,100	9,600	10,000	10,100	10,100	45
50			7,600	8,100	8,500	8,700	8,600	50
55			6,300	6,900	7,200	7,400	7,300	55
60				5,700	6,100	6,300	6,200	60
65				4,800	5,200	5,300	5,300	65
70					4,300	4,500	4,500	70
75					3,600	3,800	3,700	75
80						3,100	3,100	80
85						2,500	2,500	85
90							1,900	90
							1,500	

32,500 lb Counterweight • On Tires • Pick & Carry (1 mph) • Boom Centered Over Rear (All Capacities Are Listed In Pounds)								
Radius (ft)	Boom Length (ft)							Radius (ft)
	38	50	60	70	80	90	100	
12	18,200							12
15	16,000	17,500						15
20	13,200	14,800	15,600					20
25	9,500	11,300	12,200	12,700				25
30	6,700	8,600	9,600	10,000	10,400			30
35	4,400	6,500	7,500	8,000	8,300	8,50	8,50	35
40		4,700	5,800	6,300	6,700	0	0	40
45		3,300	4,400	5,000	5,300	6,90	6,80	45
50			3,300	3,900	4,200	0	0	50
55			2,300	2,800	3,200	5,50	5,50	55
60				2,000	2,400	0	0	60
65				1,300	1,700	4,40	4,40	65
					1,100	0	0	

3,40
0
2,60
0
1,90
0
1,20
0

3,30
0
2,50
0
1,80
0
1,20
0

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.

5644 (supersedes 5611)-0713-N3

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33,500 lb Counterweight - Fully Extended Outriggers - 360° Rotation (All Capacities Are Listed In Pounds)												
Radius (ft)	Boom Length (ft)											Radius (ft)
	38	50	60	70	76.5/80	90	100	110	120	130	140	
7	200,000											8
8	180,000*											9
9	167,600*											10
10	158,800*											12
12	143,600*	152,100*	117,900	89,70								15
15	123,700	138,700*	108,800	0	85,100**							20
20	91,300	122,600	106,500	85,00	78,400**	57,70						25
25	71,000	93,500	93,800	0	76,500**	0	49,10	42,50				30
30	57,200	73,300	73,800	78,80	73,300**	56,20	0	0	33,700	29,700		35
35		59,600	60,100	0	61,100	0	45,80	42,50	31,200	29,400	24,400	40
40		49,700	50,300	70,30	51,200	55,30	0	0	30,900	29,100	24,100	45
45		42,200	43,700	0	43,800	0	45,20	38,30	30,600	28,800	24,000	50
50			37,900	63,60	38,100	54,50	0	0	29,900	28,600	23,800	55
55			32,400	0	32,500	0	42,50	35,50	27,800	26,800	23,700	60
60				58,10	28,000	50,90	0	0	25,800	24,800	23,600	65
65				0	24,500	0	38,20	33,40	24,200	23,000	22,100	70
70				51,40	21,500	43,40	0	0	21,600	21,300	20,600	75
75				0	19,700	0	34,60	30,30	19,100	19,200	19,200	80
80				44,00		37,70	0	0	17,000	17,700	17,400	85
85				0		0	31,50	27,90	15,900	15,900	15,600	90
90				38,20		32,00	0	0	14,800	14,400	14,100	95
95				0		0	27,30	25,60	13,400	13,000	12,700	100
100				32,70		27,60	0	0	12,300	11,900	11,600	105
105				0		0	24,10	23,60	11,200	10,900	10,600	110
110				28,20		24,10	0	0	10,200	9,900	9,600	115
115				0		0	21,10	21,40	9,400	9,000	8,800	120
120				24,60		22,30	0	0		8,300	8,000	125
125				0		0	18,70	19,50		7,500	7,300	130
130						19,90	0	0			6,600	
						0	17,50	17,40			6,000	
						17,70	0	0				
* Special Conditions Or Wire Rope Required ** 76.5 EM5 mode *** Over Rear												

0	14,60	14,60
0	0	
13,80	13,70	
0	0	
	12,50	
	0	
	11,50	
	0	

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.

22 Fly Attachment Lift Capacity Charts - Optional

5644 (supersedes 5611)-0713-N3

8,500 lb Counterweight – Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Pounds)

140 ft Main Boom Length 2° Fly Offset			140 ft Main Boom Length 15° Fly Offset		
Radius (ft)	Fly Length (ft)		Radius (ft)	Fly Length (ft)	
	35	58		35	58
35	12,100		35		
40	12,100		40		
45	12,100	8,50	45	11,500	
50	12,100	0	50	11,400	
55	12,100	8,40	55	11,200	
60	12,100	0	60	11,000	7,20
65	11,900	8,30	65	10,800	0
70	10,400	0	70	10,600	7,00
75	9,000	8,10	75	9,700	0
80	7,800	0	80	8,500	6,80
85	6,800	8,00	85	7,400	0
90	5,900	0	90	6,400	6,70
95	5,100	7,80	95	5,600	0
100	4,400	0	100	4,800	6,50
105	3,700	7,70	105	4,200	0
110	3,200	0	110	3,600	6,30
115	2,700	7,50	115	3,000	0
120	2,200	0	120	2,500	6,20
125	1,800	7,30	125	2,100	0
130	1,400	0	130	1,700	6,00
135	1,100	6,40	135	1,300	0
140		0	140	900	5,60
145		5,60	145		0
		0			4,90
		4,90			0
		0			4,30
		4,20			0
		0			3,70
		3,60			0
		0			3,20
		3,10			0
		0			2,70
		2,60			0
		0			2,30
		2,20			0
		0			1,90
		1,80			0
		0			1,50
		1,50			0
		0			1,20
					0

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.

5644 (supersedes 5611)-0713-N3

8,500 lb Counterweight - Fully Extended Outriggers - 360° Rotation
(All Capacities Are Listed In Pounds)

140 ft Main Boom Length 30° Fly Offset			140 ft Main Boom Length 45° Fly Offset		
Radius (ft)	Fly Length (ft)		Radius (ft)	Fly Length (ft)	
	35	58		35	58
35			35		
40			40		
45			45		
50			50		
55	10,000		55		
60	9,800		60		
65	9,700		65	8,80	
70	9,500		70	0	
75	9,400	5,70	75	8,80	
80	9,100	0	80	0	
85	8,000	5,60	85	8,70	4,90
90	7,000	0	90	0	0
95	6,100	5,50	95	8,60	4,90
100	5,300	0	100	0	0
105	4,600	5,40	105	8,40	4,80
110	3,900	0	110	0	0
115	3,300	5,30	115	7,40	4,80
120	2,800	0	120	0	0
125	2,300	5,20	125	6,40	4,70
130	1,900	0	130	0	0
135	1,500	5,10	135	5,60	4,70
140	1,100	0	140	0	0
145		4,90	145	4,80	4,70
150		0	150	0	0
155		4,30	155	4,20	4,10
		0		0	0
		3,70		3,50	3,60
		0		0	0
		3,20		3,00	3,10
		0		0	0
		2,70		2,50	2,60
		0		0	0
		2,30		2,00	2,10
		0		0	0
		1,90		1,50	1,70
		0		0	0
		1,50			1,30
		0			0
		1,20			1,00
		0			0

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.

11,500-lb Counterweight – Fully Extended Outriggers – 360° Rotation
(All Capacities Are Listed In Pounds)

140 ft Main Boom Length 2° Fly Offset				140 ft Main Boom Length 15° Fly Offset			
Radius (ft)	Fly Length (ft)			Radius (ft)	Fly Length (ft)		
	35	58	74		35	58	74
35	12,100			35			
40	12,100			40			
45	12,100	8,50		45	11,500		
50	12,100	0	6,60	50	11,400		
55	12,100	8,40	0	55	11,200		
60	12,100	0	6,60	60	11,000	7,20	
65	11,900	8,30	0	65	10,800	0	6,30
70	11,500	0	6,60	70	10,600	7,00	0
75	10,000	8,10	0	75	10,400	0	6,00
80	8,700	0	6,60	80	9,400	6,80	0
85	7,600	8,00	0	85	8,200	0	5,70
90	6,700	0	6,60	90	7,200	6,70	0
95	5,800	7,80	0	95	6,300	0	5,40
100	5,100	0	6,60	100	5,500	6,50	0
105	4,400	7,70	0	105	4,800	0	5,10
110	3,800	0	6,40	110	4,200	6,30	0
115	3,300	7,50	0	115	3,600	0	4,90
120	2,800	0	6,00	120	3,100	6,20	0
125	2,300	7,30	0	125	2,600	0	4,60
130	1,900	0	5,70	130	2,200	6,00	0
135	1,600	7,10	0	135	1,800	0	4,40
140	1,200	0	5,40	140	1,400	5,90	0
145	900	6,30	0	145	1,100	0	4,20
		0	5,10	150		5,60	0
		5,50	0	155		0	4,10
		0	4,80			4,90	0
		4,90	0			0	3,90
		0	4,20			4,30	0
		4,30	0			0	3,60
		0	3,60			3,80	0
		3,70	0			0	3,10
		0	3,10			3,30	0
		3,20	0			0	2,70
		0	2,70			2,80	0
		2,80	0			0	2,30
		0	2,20			2,40	0
		2,30	0			0	1,90
		0	1,90			2,00	0
		2,00	0			0	1,50
		0	1,50			1,70	0
		1,60	0			0	1,20
		0	1,20			1,30	0
		1,30	0			0	0

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.

5644 (supersedes 5611)-0713-N3

11,500 lb Counterweight – Fully Extended Outriggers – 360° Rotation
(All Capacities Are Listed In Pounds)

140 ft Main Boom Length 30° Fly Offset				140 ft Main Boom Length 45° Fly Offset			
Radius (ft)	Fly Length (ft)			Radius (ft)	Fly Length (ft)		
	35	58	74		35	58	74
35				35			
40				40			
45				45			
50				50			
55	10,000			55			
60	9,800			60			
65	9,700			65	8,80		
70	9,500			70	0		
75	9,400	5,70	4,600	75	8,80		
80	9,200	0	4,400	80	0		
85	8,800	5,60	4,200	85	8,70	4,90	3,700
90	7,700	0	4,100	90	0	0	3,500
95	6,800	5,50	3,900	95	8,60	4,90	3,400
100	6,000	0	3,700	100	0	0	3,300
105	5,200	5,40	3,600	105	8,60	4,80	3,200
110	4,500	0	3,500	110	0	0	3,100
115	3,900	5,30	3,300	115	8,10	4,80	3,000
120	3,400	0	3,200	120	0	0	2,900
125	2,900	5,20	3,100	125	7,20	4,70	2,800
130	2,400	0	3,000	130	0	0	2,700
135	2,000	5,10	2,700	135	6,30	4,70	2,700
140	1,600	0	2,300	140	0	0	2,600
145	1,200	5,00	1,900	145	5,50	4,70	2,200
150	900	0	1,600	150	0	0	1,800
155		4,90	1,200	155	4,80	4,60	1,400
160		0	900	160	0	0	1,100
		4,30		165	4,10	4,10	800
		0			0	0	
		3,80			3,50	3,60	
		0			0	0	
		3,30			3,00	3,10	
		0			0	0	
		2,80			2,50	2,60	
		0			0	0	
		2,40			2,00	2,20	
		0			0	0	
		2,00				1,80	
		0				0	
		1,60				1,40	
		0				0	
		1,30				1,00	
		0				0	
		1,00					
		0					

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.

32,500-lb Counterweight – Fully Extended Outriggers – 360° Rotation
(All Capacities Are Listed In Pounds)

140 ft Main Boom Length 2° Fly Offset					140 ft Main Boom Length 15° Fly Offset				
Radius (ft)	Fly Length (ft)				Radius (ft)	Fly Length (ft)			
	35	58	74	90		35	58	74	90
35	12,100				35				
40	12,100				40				
45	12,100	8,50			45	11,500			
50	12,100	0	6,600		50	11,400			
55	12,100	8,40	6,600	5,200	55	11,200			
60	12,100	0	6,600	5,200	60	11,000	7,20		
65	11,900	8,30	6,600	5,200	65	10,800	0	6,300	
70	11,700	0	6,600	5,200	70	10,600	7,00	6,000	4,800
75	11,500	8,10	6,600	5,100	75	10,400	0	5,700	4,500
80	11,300	0	6,400	4,800	80	10,200	6,80	5,400	4,200
85	11,000	8,00	6,000	4,500	85	10,000	0	5,100	4,000
90	10,500	0	5,700	4,200	90	9,700	6,70	4,900	3,700
95	10,100	7,80	5,400	4,000	95	9,400	0	4,600	3,500
100	9,700	0	5,100	3,700	100	9,000	6,50	4,400	3,300
105	8,800	7,70	4,900	3,500	105	8,700	0	4,200	3,100
110	8,000	0	4,700	3,300	110	8,400	6,30	4,100	3,000
115	7,300	7,50	4,500	3,200	115	7,600	0	3,900	2,800
120	6,600	0	4,300	3,000	120	6,900	6,20	3,700	2,700
125	6,000	7,30	4,100	2,800	125	6,300	0	3,600	2,500
130	5,500	0	3,900	2,700	130	5,700	6,00	3,500	2,400
135	5,000	7,10	3,800	2,500	135	5,200	0	3,300	2,300
140	4,500	0	3,600	2,400	140	4,700	5,90	3,200	2,200
145	4,100	6,90	3,500	2,300	145	4,200	0	3,100	2,100
150	3,700	0	3,400	2,200	150	3,800	5,70	3,000	2,000
155	3,300	6,70	3,200	2,100	155	3,400	0	2,900	1,900
160	2,900	0	3,100	2,000	160	3,000	5,60	2,900	1,800
165	2,500	6,50	2,700	1,900	165	2,600	0	2,800	1,700
170		0	2,400	1,800	170		5,50	2,700	1,600
175		6,30	2,100	1,800	175		0	2,300	1,600
180		0	1,800	1,700	180		5,30	2,000	1,500
185		6,00	1,500	1,400	185		0	1,700	1,500
190		0	1,200	1,200	190		5,10	1,400	1,400
195		5,80	1,000	900	195		0	1,100	1,100
200		0	800		200		4,90	800	900

0	4,70
5,30	0
0	4,60
5,20	0
0	4,40
4,90	0
0	4,30
4,40	0
0	4,00
4,00	0
0	3,60
3,70	0
0	3,20
3,30	0
0	2,80
2,90	0
0	2,50

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.



5644 (supersedes 5611)-0713-N3

32,500 lb Counterweight – Fully Extended Outriggers – 360° Rotation
(All Capacities Are Listed In Pounds)

140 ft Main Boom Length 30° Fly Offset					140 ft Main Boom Length 45° Fly Offset				
Radius (ft)	Fly Length (ft)				Radius (ft)	Fly Length (ft)			
	35	58	74	90		35	58	74	90
35					35				
40					40				
45					45				
50					50				
55	10,000				55				
60	9,800				60				
65	9,700				65	8,80			
70	9,500				70	0			
75	9,400	5,70	4,60		75	8,80			
80	9,200	0	0	3,60	80	0			
85	9,100	5,60	4,40	0	85	8,70	4,90	3,70	
90	9,000	0	0	3,40	90	0	0	0	2,90
95	8,800	5,50	4,20	0	95	8,60	4,90	3,50	0
100	8,500	0	0	3,20	100	0	0	0	2,70
105	8,200	5,40	4,10	0	105	8,60	4,80	3,40	0
110	8,000	0	0	3,00	110	0	0	0	2,60
115	7,700	5,30	3,90	0	115	8,50	4,80	3,30	0
120	7,200	0	0	2,90	120	0	0	0	2,40
125	6,500	5,20	3,70	0	125	8,40	4,70	3,20	0
130	5,900	0	0	2,70	130	0	0	0	2,30
135	5,400	5,10	3,60	0	135	8,20	4,70	3,10	0
140	4,800	0	0	2,60	140	0	0	0	2,20
145	4,400	5,00	3,50	0	145	8,00	4,70	3,00	0
150	3,900	0	0	2,40	150	0	0	0	2,10
155	3,500	4,90	3,30	0	155	7,80	4,60	2,90	0
160		0	0	2,30	160	0	0	0	2,00
165		4,80	3,20	0	165	7,60	4,50	2,80	0
170		0	0	2,20	170	0	0	0	1,90
175		4,70	3,10	0	175	7,40	4,40	2,70	0
180		0	0	2,10	180	0	0	0	1,80
185		4,50	3,00	0	185	6,70	4,30	2,70	0
190		0	0	2,00	190	0	0	0	1,80
195		4,40	2,90	0		6,00	4,20	2,60	0
200		0	0	1,90		0	0	0	1,70
		4,30	2,80	0		5,40	4,10	2,60	0
		0	0	1,80		0	0	0	1,60
		4,20	2,80	0			4,00	2,50	0
		0	0	1,70			0	0	1,60
		4,10	2,70	0			4,00	2,50	0
		0	0	1,70			0	0	1,50
		4,00	2,60	0			3,90	2,50	0
		0	0	1,60			0	0	1,50
		3,80	2,60	0				2,50	0
		0	0	1,50				0	1,40
		3,40	2,50	0				2,50	0
		0	0	1,50				0	1,40
		3,00	2,50	0				2,50	0
		0	0	1,40				0	1,40
		2,60	2,50	0					0
		0	0	1,40					1,40
		2,20	2,20	0					0
Link-Belt Cranes		0	0	1,40					1,40

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.

39,500-lb Counterweight – Fully Extended Outriggers – 360° Rotation
(All Capacities Are Listed In Pounds)

140 ft Main Boom Length 2° Fly Offset					140 ft Main Boom Length 15° Fly Offset				
Radius (ft)	Fly Length (ft)				Radius (ft)	Fly Length (ft)			
	35	58	74	90		35	58	74	90
35	12,100				35				
40	12,100				40				
45	12,100	8,50			45	11,500			
50	12,100	0	6,60		50	11,400			
55	12,100	8,40	0	5,200	55	11,200			
60	12,100	0	6,60	5,200	60	11,000	7,20		
65	11,900	8,30	0	5,200	65	10,800	0	6,30	
70	11,700	0	6,60	5,200	70	10,600	7,00	0	4,800
75	11,500	8,10	0	5,100	75	10,400	0	6,00	4,500
80	11,300	0	6,60	4,800	80	10,200	6,80	0	4,200
85	11,000	8,00	0	4,500	85	10,000	0	5,70	4,000
90	10,500	0	6,60	4,200	90	9,700	6,70	0	3,700
95	10,100	7,80	0	4,000	95	9,400	0	5,40	3,500
100	9,700	0	6,60	3,700	100	9,000	6,50	0	3,300
105	9,300	7,70	0	3,500	105	8,700	0	5,10	3,100
110	8,900	0	6,40	3,300	110	8,400	6,30	0	3,000
115	8,500	7,50	0	3,200	115	8,100	0	4,90	2,800
120	7,800	0	6,00	3,000	120	7,900	6,20	0	2,700
125	7,100	7,30	0	2,800	125	7,400	0	4,60	2,500
130	6,500	0	5,70	2,700	130	6,800	6,00	0	2,400
135	6,000	7,10	0	2,500	135	6,200	0	4,40	2,300
140	5,500	0	5,40	2,400	140	5,700	5,90	0	2,200
145	5,000	6,90	0	2,300	145	5,200	0	4,20	2,100
150	4,500	0	5,10	2,200	150	4,700	5,70	0	2,000
155	4,100	6,70	0	2,100	155	4,300	0	4,10	1,900
160	3,700	0	4,90	2,000	160	3,800	5,60	0	1,800
165	3,400	6,50	0	1,900	165	3,400	0	3,90	1,700
170		0	4,70	1,800	170		5,50	0	1,600
175		6,30	0	1,800	175		0	3,70	1,600
180		0	4,50	1,700	180		5,30	0	1,500
185		6,00	0	1,600	185		0	3,60	1,500
190		0	4,30	1,600	190		5,10	0	1,400
195		5,80	0	1,500	195		0	3,50	1,400
200		0	4,10	1,300	200		4,90	0	1,400
205		5,60	0	1,100	205		0	3,30	1,300
210		0	3,90	900	210		4,70	0	1,000
		5,30	0		215		0	3,20	800
		0	3,80				4,60	0	

5,20

0

0

3,10

0

3,60

4,40

0

5,00

0

0

3,00

0

3,50

4,30

0

4,80

0

0

2,90

0

3,40

4,20

0

4,70

0

0

2,90

0

3,20

4,10

0

4,50

0

0

2,80

0

3,10

4,00

0

4,10

0

0

2,70

0

3,10

3,60

0

3,70

0

0

2,70

0

3,00

3,20

0

HTC -86100

Link-Belt Cranes

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.

5644 (supersedes 5611)-0713-N3

39,500 lb Counterweight – Fully Extended Outriggers – 360° Rotation
(All Capacities Are Listed In Pounds)

140 ft Main Boom Length 30° Fly Offset					140 ft Main Boom Length 45° Fly Offset				
Radius (ft)	Fly Length (ft)				Radius (ft)	Fly Length (ft)			
	35	58	74	90		35	58	74	90
35					35				
40					40				
45					45				
50					50				
55	10,000				55				
60	9,800				60				
65	9,700				65	8,800			
70	9,500				70	0			
75	9,400	5,70	4,60		75	8,800			
80	9,200	0	0	3,60	80	0			
85	9,100	5,60	4,40	0	85	8,700	4,90	3,70	
90	9,000	0	0	3,40	90	0	0	0	2,90
95	8,800	5,50	4,20	0	95	8,600	4,90	3,50	0
100	8,500	0	0	3,20	100	0	0	0	2,70
105	8,200	5,40	4,10	0	105	8,600	4,80	3,40	0
110	8,000	0	0	3,00	110	0	0	0	2,60
115	7,700	5,30	3,90	0	115	8,500	4,80	3,30	0
120	7,500	0	0	2,90	120	0	0	0	2,40
125	7,300	5,20	3,70	0	125	8,400	4,70	3,20	0
130	7,000	0	0	2,70	130	0	0	0	2,30
135	6,400	5,10	3,60	0	135	8,200	4,70	3,10	0
140	5,800	0	0	2,60	140	0	0	0	2,20
145	5,300	5,00	3,50	0	145	8,000	4,70	3,00	0
150	4,800	0	0	2,40	150	0	0	0	2,10
155	4,300	4,90	3,30	0	155	7,800	4,60	2,90	0
160		0	0	2,30	160	0	0	0	2,00
165		4,80	3,20	0	165	7,600	4,50	2,80	0
170		0	0	2,20	170	0	0	0	1,90
175		4,70	3,10	0	175	7,400	4,40	2,70	0
180		0	0	2,10	180	0	0	0	1,80
185		4,50	3,00	0	185	7,200	4,30	2,70	0
190		0	0	2,00	190	0	0	0	1,80
195		4,40	2,90	0		7,100	4,20	2,60	0
200		0	0	1,90		0	0	0	1,70
205		4,30	2,80	0		6,400	4,10	2,60	0
210		0	0	1,80		0	0	0	1,60

	4,20	2,80	0		4,00	2,50	0
	0	0	1,70		0	0	1,60
	4,10	2,70	0		4,00	2,50	0
	0	0	1,70		0	0	1,50
	4,00	2,60	0		4,00	2,50	0
	0	0	1,60		0	0	1,50
	3,90	2,60	0		4,00	2,50	0
	0	1,50	0		0	0	1,40
	3,90	2,50	0		2,50	0	
	0	0	1,50		0	1,40	
	3,70	2,50	0		2,50	0	
	0	0	1,40		0	1,40	
	3,30	2,50	0			0	
	0	0	1,40			1,40	
	2,90	2,50	0	HTC -86100		0	
	0	0	1,40			1,40	

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.

Link-Belt Cranes

Main Boom Lift Capacity Charts - Optional (Metric)

3 650kg Counterweight - Fully Extended Outriggers - 360° Rotation (All Capacities Are Listed In Kilograms)												
Radius (m)	Boom Length (m)										Radius (m)	
	11.58	15.2	18.3	21.3	24.4	27.4	30.5	33.5	36.6	39.6		42.67
3.5	70 800	69 350	53 450	40 850								3.5
4	61 350*	62 250*	50 350	39 100								4
4.5	53 500	54 450	48 900	37 450								4.5
5	47 250	48 250	48 350	35 950	37 400							5
6	42 200	43 200	43 400	34 600	35 750	26 150						6
7	34 500	35 550	35 750	32 150	35 250	26 150						7
8	26 600	27 850	28 200	28 850	34 700	25 450	22 250	19 250				8
9	20 500	22 000	22 450	22 550	28 700	25 200	21 150	19 250				9
10	16 350	17 800	18 250	18 500	22 450	22 200	20 650	18 800	14 950	13 400		10
12		14 850	15 250	15 550	18 200	18 150	17 950	17 550	14 200	13 300	11 050	12
14		10 750	11 450	11 700	15 600	15 600	15 600	15 400	14 050	13 200	10 950	14
16			8 800	9 100	11 850	11 700	11 850	11 800	11 650	11 500	10 850	16
18			6 850	7 150	9 250	9 300	9 250	9 200	9 050	8 900	8 750	18
20				5 800	7 350	7 400	7 350	7 300	7 150	6 950	6 850	20
22					5 950	6 000	5 950	5 900	5 750	5 650	5 500	22
24					4 900	4 950	4 900	4 850	4 750	4 600	4 450	24
26					4 050	4 150	4 100	4 050	3 900	3 750	3 650	26
28						3 450	3 400	3 400	3 250	3 100	2 950	28
30							2 850	2 850	2 700	2 550	2 450	30
32							2 400	2 400	2 250	2 100	2 000	32
34								2 000	1 850	1 700	1 600	34
36								800	1 550	1 400	1 250	36
38									1 250	1 100	1 000	38
40										850	750	40
											500	
											350	
* Special Conditions Or Wire Rope Required												

* Special Conditions Or Wire Rope Required

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.



5644 (supersedes 5611)-0713-N3

3 650kg Counterweight - On Tires - Stationary - Boom Centered Over Rear (All Capacities Are Listed In Kilograms)								
Radius (m)	Boom Length (m)							Radius (m)
	11.58	15.2	18.3	21.3	24.4	27.4	30.5	
3.5	14 000							3.5
4	13 500							4
4.5	12 450							4.5
5	11 500	13 100						5
6	10 600	12 150	10 100					6
7	8 000	11 300	10 100					7
8	6 100	9 100	9 650	8				8
9	4 700	7 100	7 650	000				9
10	3 600	5 700	6 200	7	6 150			10
12		4 600	5 100	900	5 550	4 850	4 000	12
14		3 750	4 250	6	4 650	4 750	4 000	14
16		2 500	3 000	450	3 350	3 450	3 450	16
18			2 100	5	2 500	2 550	2 550	18
20			1 450	350	1 800	1 900	1 900	20
22				4	1 300	1 400	1 350	22
24				500	900	1 000	950	24
				3	600	650	650	24
				200		400	400	

2

3 650kg Counterweight - On Tires - Pick & Carry (1.0 km/h) - Boom Centered Over Rear (All Capacities Are Listed In Kilograms)								
Radius (m)	Boom Length (m)							Radius (m)
	11.58	15.2	18.3	21.3	24.4	27.4	30.5	
3.5	10 050			150				3.5
4	9 250							4
4.5	8 400	9						4.5
5	7 650	050	8					5
6	6 950	8	550					6
7	5 750	350	8	7				7
8	4 750	7	050	000				8
9	3 900	650	6	6	5 550			9
10	3 150	6	900	200	4 900	4 850	4 000	10
12		550	6	5	4 300	4 400	4 000	12
14		5	000	450	3 350	3 450	3 400	14
16		600	5	4	2 500	2 550	2 550	16
18		4	200	750	1 800	1 900	1 900	18
20		800	4	4	1 300	1 400	1 350	20
22		4	550	200	900	1 000	950	22
24		100	3	3	600	650	650	24
		3	950	200		400	400	

450

2

2

2

950

350

450

2

1

100

700

1

1

450

150

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.



5210kg Counterweight • Fully Extended Outriggers • 360° Rotation (All Capacities Are Listed In Kilograms)												
Radius (m)	Boom Length (m)											Radius (m)
	11.58	15.2	18.3	21.3	24.4	27.4	30.5	33.5	36.6	39.6	42.67	
3.5	71 100	69 350	55 450	40 850								3.5
4	62 600*	63 450*	50 350	39 100								4
4.5	54 600	55 550	48 900	37 450	37 400							4.5
5	48 250	49 200	48 350	35 950	35 750	26 150						5
6	43 100	44 100	44 250	34 600	35 250	26 150						6
7	35 250	36 250	36 450	32 150	34 700	25 450	22 250	19 250				7
8	28 250	29 450	29 700	30 000	29 400	25 200	21 150	19 250				8
9	21 800	23 300	23 750	23 850	23 700	23 450	20 650	18 800	14 950	13 400		9
10	17 450	18 900	19 350	19 450	19 300	19 100	19 050	17 550	14 200	13 300	11 050	10
12		15 800	16 200	16 500	16 150	16 550	15 950	16 300	14 050	13 200	10 950	12
14		11 500	12 000	12 200	12 600	12 250	12 450	12 350	12 350	11 800	10 850	14
16			9 400	9 700	9 850	9 900	9 850	9 800	9 650	9 500	9 350	16
18			7 450	7 750	7 900	8 000	7 950	7 900	7 750	7 600	7 450	18
20				6 300	6 450	6 500	6 450	6 400	6 250	6 100	5 950	20
22					5 350	5 400	5 400	5 350	5 200	5 050	4 900	22
24					4 450	4 550	4 500	4 450	4 350	4 150	4 050	24
26						3 850	3 800	3 750	3 600	3 450	3 350	26
28							3 200	3 150	3 050	2 900	2 750	28
30							2 700	2 700	2 550	2 400	2 300	30
32								2 250	2 150	2 000	1 900	32
34								1 050	1 800	1 650	1 550	34
36									1 500	1 350	1 250	36
38										1 100	950	38
40											750	40
											550	
* Special Conditions Or Wire Rope Required												

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.



5644 (supersedes 5611)-0713-N3

5.2Tons Counterweight - On Tires - Stationary - Boom Centered Over Rear (All Capacities Are Listed In Kilograms)								
Radius (m)	Boom Length (m)							Radius (m)
	11.58	15.2	18.3	21.3	24.4	27.4	30.5	
3.5	14 500							3.5
4	13 300							4
4.5	12 200							4.5
5	11 300	12 850						5
6	10 400	11 950	9					6
7	8 750	11 150	900					7
8	6 700	9 700	9	8				8
9	5 200	7 750	900	400				9
10	4 050	6 200	9	8	6 700			10
12		5 100	900	400	5 950	5 350	4 250	12
14		4 200	8	7	5 050	5 150	4 250	14
16		2 850	250	000	3 700	3 800	3 800	16
18			6	5	2 750	2 850	2 850	18
20			750	800	2 100	2 150	2 150	20
22			5	4	1 550	1 600	1 600	22
24			600	900	1 100	1 200	1 150	24
			4	3	800	850	850	
			650	550		550	550	
			3	2				

5.2Tons Counterweight - On Tires - Pick & Carry (1.0 km/h) - Boom Centered Over Rear (All Capacities Are Listed In Kilograms)								
Radius (m)	Boom Length (m)							Radius (m)
	11.58	15.2	18.3	21.3	24.4	27.4	30.5	
3.5	9 750		700	400				3.5
4	9 000							4
4.5	8 200							4.5
5	7 450	8						5
6	6 750	800	9					6
7	5 600	8	300					7
8	4 600	100	7	6				8
9	3 750	7	850	800				9
10	3 000	500	6	6	5 400			10
12		6	750	000	4 750	4 750	3 900	12
14		350	5	5	4 200	4 250	3 900	14
16		5	850	300	3 250	3 350	3 300	16
18		450	5	4	2 500	2 600	2 550	18
20		4	050	600	1 900	2 000	1 950	20
22		650	4	4	1 400	1 500	1 450	22
24		3	400	050	950	1 050	1 050	24
		950	3	3	600	700	700	
		3	800	100		400	350	

350 2 2
2 850 350
350 2 1
100 750
1 1
450 250

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.

14 742kg Counterweight - Fully Extended Outriggers - 360° Rotation (All Capacities Are Listed In Kilograms)												
Radius (m)	Boom Length (m)											Radius (m)
	11.58	15.2	18.3	21.3	24.4	27.4	30.5	33.5	36.6	39.6	42.67	
3	85 000											3
3.5	72 400*											3.5
4	66 550*	69 550*	53	40 850								4
4.5	61 000*	64 300*	450	39 100								4.5
5	55 050	59 950*	50	37 450	37 400							5
6	49 250	55 950	350	35 950	35 750	26 150						6
7	40 450	50 200	48	34 600	35 250	26 150						7
8	34 000	41 400	900	32 150	34 700	25 450	22 250	19 250				8
9	29 150	35 050	48	30 000	34 700	25 200	21 150	19 250				9
10	25 150	30 200	350	28 150	30 200	24 950	20 650	18 800	14 950	13 400		10
12		26 300	47	26 550	27 000	24 700	20 500	17 550	14 200	13 300	11 050	12
14		22 100	000	22 900	22 750	22 550	19 750	16 450	14 050	13 200	10 950	14
16		16 650	41	17 200	17 050	16 900	16 700	15 200	13 850	13 050	10 850	16
18			600	13 500	13 400	13 450	13 200	13 000	13 350	12 750	10 750	18
20			35	11 150	11 250	11 200	11 000	11 050	10 900	11 050	10 700	20
22			250	9 250	9 350	9 350	9 300	9 350	9 450	9 300	9 150	22
24			30		8 150	7 900	8 200	8 150	8 000	7 850	7 700	24
26			400		7 000	7 000	7 050	7 000	6 850	6 700	6 600	26
28			26			6 150	6 100	6 100	5 950	5 800	5 750	28
30			500				5 350	5 350	5 250	5 100	4 950	30
32			22				4 700	4 700	4 600	4 450	4 350	32
34			800					4 150	4 050	3 900	3 800	34
36			17					2 800	3 550	3 400	3 300	36
38			100						3 150	3 000	2 900	38
40			13							2 650	2 550	40
			400								2 200	
			10								1 950	
			850									

* Special Conditions Or Wire Rope Required

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.



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14 742kg Counterweight • On Tires • Stationary • Boom Centered Over Rear (All Capacities Are Listed In Kilograms)								
Radius (m)	Boom Length (m)							Radius (m)
	11.58	15.2	18.3	21.3	24.4	27.4	30.5	
3.5	12 800							3.5
4	11 800							4
4.5	10 850							4.5
5	10 000	11 550						5
6	9 350	10 750	11 000					6
7	7 700	10 000	10 400					7
8	6 550	8 200	8 950	9				8
9	5 550	7 300	7 700	200				9
10	4 700	6 400	6 800	7	7			10
12		5 600	6 050	750	100	6	6 250	12
14		4 900	5 350	7	6	300	5 750	14
16		3 750	4 250	000	350	5	4 650	16
18			3 300	6	5	750	3 800	18
20			2 600	250	750	4	3 050	20
22				5	4	700	2 450	22
24				600	600	3	2 000	24
26				4	3	800	1 550	26
28				450	750	3	1 200	28
				3	3	100	850	
				550	000	2	600	
				2	2	500		

14 742kg Counterweight • On Tires • Pick & Carry (1.6 km/h) • Boom Centered Over Rear (All Capacities Are Listed In Kilograms)								
Radius (m)	Boom Length (m)							Radius (m)
	11.58	15.2	18.3	21.3	24.4	27.4	30.5	
3.5	8 250				500	1		3.5
4	7 500					200		4
4.5	6 750							4.5
5	6 050	7						5
6	5 450	450	7 050					6
7	4 400	6	6 600					7
8	3 500	800	5 600	5 750				8
9	2 750	6	4 800	5 000				9
10	2 100	200	4 100	4 300	4 450			10
12		5	3 450	3 700	3 850	3 850	3 850	12
14		200	2 950	3 200	3 350	3 400	3 400	14
16		4	2 100	2 350	2 500	2 550	2 550	16
18		350	1 400	1 650	1 850	1 900	1 900	18
20		3	850	1 100	1 250	1 350	1 300	20
		650		650	800	900	900	
		3			450	550	500	

000
2
450
1
550

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.

17 917 kg Counterweight - Fully Extended Outriggers - 360° Rotation (All Capacities Are Listed In Kilograms)												
Radius (m)	Boom Length (m)											Radius (m)
	11.58	15.2	18.3	21.3	24.4	27.4	30.5	33.5	36.6	39.6	42.67	
3	85 000											3
3.5	72 650*											3.5
4	66 800*	69 550*	53	40								4
4.5	61 600*	64 300*	450	850								4.5
5	56 750	59 950*	50	39	37 400							5
6	51 250	56 100	350	100	35 750	26 150						6
7	42 100	52 250	48	37	35 250	26 150						7
8	35 450	43 100	900	450	34 700	25 450	22 250	19 250				8
9	30 450	36 500	48	35	34 700	25 200	21 150	19 250				9
10	26 450	31 450	350	950	31 500	24 950	20 650	18 800	14 950	13 400		10
12		27 550	47	34	28 000	24 700	20 500	17 550	14 200	13 300	11 050	12
14		24 250	000	600	24 900	24 650	19 750	16 450	14 050	13 200	10 950	14
16		18 300	43	32	18 750	18 550	17 550	15 200	13 850	13 050	10 850	16
18			300	150	14 800	14 600	14 450	13 550	13 400	12 750	10 750	18
20			36	30	12 050	12 200	11 850	11 650	12 000	11 700	10 700	20
22			700	000	10 300	10 350	9 900	10 150	10 050	10 050	10 100	22
24			31	28	8 800	8 800	8 800	8 600	8 700	8 750	8 650	24
26			700	150	7 700	7 550	7 700	7 800	7 700	7 550	7 400	26
28			27	26		6 550	6 850	6 800	6 700	6 550	6 400	28
30			750	550			6 000	6 000	5 850	5 750	5 650	30
32			24	25			5 350	5 300	5 200	5 050	4 950	32
34			450	000				4 700	4 600	4 450	4 350	34
36			18	18				3 350	4 100	3 950	3 850	36
38			750	850					3 650	3 500	3 400	38
40			14	14						3 100	3 000	40
			800	900							2 650	
			12	12							2 350	
			000	150								
* Special Conditions Or Wire Rope Required												

* Special Conditions Or Wire Rope Required

250

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.



Fly Attachment Lift Capacity Charts - Optional (Metric)

3 856kg Counterweight - Fully Extended Outriggers - 360° Rotation
(All Capacities Are Listed In Kilograms)

42.67m Main Boom Length 2° Fly Offset			42.67m Main Boom Length 15° Fly Offset		
Radius (m)	Fly Length (m)		Radius (m)	Fly Length (m)	
	10.67	17.68		10.67	17.68
12	5 500		12		
14	5 500	3 850	14	5 200	
16	5 500	3 750	16	5 100	
18	5 500	3 700	18	5 000	3 300
20	4 750	3 600	20	4 900	3 150
22	3 900	3 500	22	4 200	3 050
24	3 250	3 400	24	3 500	2 950
26	2 650	2 900	26	2 900	2 850
28	2 200	2 400	28	2 400	2 750
30	1 800	2 000	30	2 000	2 300
32	1 500	1 650	32	1 650	1 950
34	1 200	1 350	34	1 350	1 600
36	950	1 100	36	1 050	1 350
38	700	900	38	850	1 100
40	500	700	40	600	850
42		500	42	400	650
44			44		500

42.67m Main Boom Length 30° Fly Offset			42.67m Main Boom Length 45° Fly Offset		
Radius (m)	Fly Length (m)		Radius (m)	Fly Length (m)	
	10.67	17.68		10.67	17.68
18	4 450		18		
20	4 350		20	3 950	
22	4 300		22	3 950	
24	3 750	2 550	24	3 900	
26	3 150	2 500	26	3 350	2 250
28	2 650	2 400	28	2 800	2 200
30	2 200	2 350	30	2 300	2 150
32	1 800	2 250	32	1 900	2 150
34	1 500	1 850	34	1 550	2 050
36	1 200	1 550	36	1 250	1 750
38	950	1 300	38	1 000	1 450
40	700	1 050	40	750	1 150
42	500	800	42		900
44		600	44		700
46		450	46		500

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.

5 216kg Counterweight – Fully Extended Outriggers – 360° Rotation
(All Capacities Are Listed In Kilograms)

42.67m Main Boom Length 2° Fly Offset				42.67m Main Boom Length 15° Fly Offset			
Radius (m)	Fly Length (m)			Radius (m)	Fly Length (m)		
	10.67	17.68	22.56		10.67	17.68	22.56
12	5 500			12			
14	5 500	3 850		14	5 200		
16	5 500	3 750	3 000	16	5 100		
18	5 500	3 700	3 000	18	5 000	3 300	
20	5 200	3 600	3 000	20	4 900	3 150	2 850
22	4 300	3 500	3 000	22	4 600	3 050	2 650
24	3 600	3 400	2 950	24	3 850	2 950	2 450
26	3 000	3 200	2 700	26	3 250	2 850	2 300
28	2 500	2 700	2 550	28	2 750	2 750	2 150
30	2 100	2 300	2 250	30	2 300	2 600	2 050
32	1 750	1 950	1 900	32	1 900	2 200	1 900
34	1 450	1 600	1 600	34	1 600	1 850	1 800
36	1 150	1 350	1 300	36	1 300	1 550	1 500
38	950	1 100	1 050	38	1 050	1 300	1 250
40	700	900	850	40	800	1 050	1 000
42	550	700	650	42	600	850	800
44	350	500	450	44	450	650	600
46				46		500	450

42.67m Main Boom Length 30° Fly Offset				42.67m Main Boom Length 45° Fly Offset			
Radius (m)	Fly Length (m)			Radius (m)	Fly Length (m)		
	10.67	17.68	22.56		10.67	17.68	22.56
18	4 450			18			
20	4 350			20	3 950		
22	4 300			22	3 950		
24	4 150	2 550	2 050	24	3 900		
26	3 500	2 500	1 900	26	3 650	2 250	1 650
28	2 950	2 400	1 800	28	3 100	2 200	1 550
30	2 450	2 350	1 700	30	2 600	2 150	1 500
32	2 050	2 300	1 600	32	2 200	2 150	1 450
34	1 750	2 100	1 550	34	1 800	2 100	1 400
36	1 400	1 800	1 500	36	1 500	1 950	1 350
38	1 150	1 500	1 400	38	1 200	1 650	1 300
40	900	1 250	1 200	40	950	1 350	1 250
42	700	1 000	1 000	42		1 100	1 100
44	500	800	800	44		900	900
46		600	600	46		650	700
48		450	400	48		450	500

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.

5644 (supersedes 5611)-0713-N3

14 742kg Counterweight – Fully Extended Outriggers – 360° Rotation
(All Capacities Are Listed In Kilograms)

42.67m Main Boom Length 2° Fly Offset					42.67m Main Boom Length 15° Fly Offset				
Radius (m)	Fly Length (m)				Radius (m)	Fly Length (m)			
	10.6	17.68	22.56	27.43		10.67	17.68	22.56	27.43
12	5				12				
14	500 5	3 850			14	5			
16	500 5	3 750	3 000		16	200			
18	500 5	3 700	3 000	2 350	18	5	3 300		
20	500 5	3 600	3 000	2 350	20	100	3 150	2 850	
22	400 5	3 500	3 000	2 350	22	5	3 050	2 650	2 100
24	300 5	3 400	2 950	2 200	24	000	2 950	2 450	1 950
26	150 5	3 300	2 700	2 050	26	4	2 850	2 300	1 800
28	000 4	3 200	2 550	1 850	28	900	2 750	2 150	1 650
30	550 4	3 100	2 350	1 750	30	4	2 700	2 050	1 550
32	000 3	2 950	2 200	1 600	32	750	2 600	1 900	1 400
34	500 3	2 800	2 100	1 500	34	4	2 550	1 800	1 300
36	100 2	2 650	1 950	1 400	36	650	2 400	1 700	1 250
38	750 2	2 550	1 850	1 300	38	4	2 300	1 650	1 150
40	400 2	2 300	1 750	1 200	40	550	2 200	1 550	1 050
42	100 1	2 000	1 650	1 100	42	4	2 100	1 500	1 000
44	850 1	1 800	1 600	1 050	44	350	1 950	1 400	950
46	650 1	1 550	1 500	1 000	46	4	1 700	1 350	900
48	450 1	1 400	1 300	900	48	150	1 500	1 300	850
50	250 1	1 200	1 150	850	50	3	1 300	1 250	800
52	100	1 050	1 000	800	52	650	1 100	1 050	750
54		900	850	800	54	3	950	900	700
56		750	700	700	56	250	800	750	700
58			550	500	58	2		600	600
60			400		60	850		450	450

2
500
2
200
1
950
1
700
1
500
1
300
1
100

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.

14 742kg Counterweight – Fully Extended Outriggers – 360° Rotation
(All Capacities Are Listed In Kilograms)

42.67m Main Boom Length 30° Fly Offset					42.67m Main Boom Length 45° Fly Offset				
Radius (m)	Fly Length (m)				Radius (m)	Fly Length (m)			
	10.6	17.68	22.56	27.43		10.67	17.68	22.56	27.43
18	4				18				
20	450 4				20	3			
22	350 4				22	950			
24	300 4	2	2 050	1 650	24	3			
26	200 4	550	1 900	1 550	26	950	2	1	
28	150 4	2	1 800	1 400	28	3	250	650	1 250
30	050 3	500	1 700	1 300	30	900	2	1	1 200
32	900 3	2	1 600	1 250	32	3	200	550	1 100
34	700 3	400	1 550	1 150	34	900	2	1	1 050
36	350 2	2	1 500	1 050	36	3	150	500	950
38	950 2	350	1 400	1 000	38	850	2	1	900
40	600 2	2	1 350	950	40	3	150	450	850
42	300 2	300	1 300	900	42	750	2	1	800
44	000 1	2	1 250	850	44	3	100	400	750
46	750 1	250	1 200	800	46	600	2	1	750
48	500	2	1 200	750	48	3	100	350	700
50		200	1 150	700	50	450	2	1	650
52		2	1 150	650	52	3	050	300	650
54		150	1 000	650	54	050	1	1	600
56		2	800	600	56	2	950	250	600
58		050	650	600	58	650	1	1	600
60		1		550	60	2	900	200	
62		950		350	62	350	1	1	
		1				2	850	150	
		900				050	1	1	
		1					800	150	
		800					1	1	
		1					600	150	
		600						1	
		1						100	
		400						1	
		1						100	
		200							
		1							
		000							

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.

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17 917kg Counterweight – Fully Extended Outriggers – 360° Rotation
(All Capacities Are Listed In Kilograms)

42.67m Main Boom Length 2° Fly Offset					42.67m Main Boom Length 15° Fly Offset				
Radius (m)	Fly Length (m)				Radius (m)	Fly Length (m)			
	10.6	17.68	22.56	27.43		10.67	17.68	22.56	27.43
12	5				12				
14	500 5	3			14	5			
16	500 5	850	3 000		16	200			
18	500 5	3	3 000	2 350	18	5	3		
20	500 5	750	3 000	2 350	20	100	300	2 850	
22	400 5	3	3 000	2 350	22	5	3	2 650	2 100
24	300 5	700	2 950	2 200	24	000	150	2 450	1 950
26	150 5	3	2 700	2 050	26	4	3	2 300	1 800
28	000 4	600	2 550	1 850	28	900	050	2 150	1 650
30	700 4	3	2 350	1 750	30	4	2	2 050	1 550
32	450 4	500	2 200	1 600	32	750	950	1 900	1 400
34	050 3	3	2 100	1 500	34	4	2	1 800	1 300
36	600 3	400	1 950	1 400	36	650	850	1 700	1 250
38	200 2	3	1 850	1 300	38	4	2	1 650	1 150
40	850 2	300	1 750	1 200	40	550	750	1 550	1 050
42	550 2	3	1 650	1 100	42	4	2	1 500	1 000
44	250 2	200	1 600	1 050	44	350	700	1 400	950
46	000 1	3	1 500	1 000	46	4	2	1 350	900
48	800 1	100	1 450	900	48	150	600	1 300	850
50	600 1	2	1 400	850	50	3	2	1 250	800
52	400	950	1 300	800	52	950	550	1 250	750
54		2	1 150	800	54	3	2	1 200	700
56		800	1 000	750	56	750	400	1 050	700
58		2	850	700	58	3	2	900	650
60		650	700	700	60	300	300	750	650
62		2	550	550	62	2	2	600	600
64		550		400	64	950	200		450
2					2	2			
400					650		100		
2					2		2		
300					350		000		
2					2		1		
150					100		950		
1					1		1		
950					850		850		
1					1		1		
700					650		650		
1					1		1		
550					450		450		
1							1		
350							250		
1							1		
200							100		

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.

17 917kg Counterweight – Fully Extended Outriggers – 360° Rotation
(All Capacities Are Listed In Kilograms)

42.67m Main Boom Length 30° Fly Offset					42.67m Main Boom Length 45° Fly Offset				
Radius (m)	Fly Length (m)				Radius (m)	Fly Length (m)			
	10.6	17.68	22.56	27.43		10.67	17.68	22.56	27.43
18	4				18				
20	450 4				20	3			
22	350 4				22	950			
24	300 4	2	2 050	1 650	24	3			
26	200 4	550	1 900	1 550	26	950	2	1	
28	150 4	2	1 800	1 400	28	3	250	650	1 250
30	050 3	500	1 700	1 300	30	900	2	1	1 200
32	900 3	2	1 600	1 250	32	3	200	550	1 100
34	700 3	400	1 550	1 150	34	900	2	1	1 050
36	550 3	2	1 500	1 050	36	3	150	500	950
38	450 3	350	1 400	1 000	38	850	2	1	900
40	050 2	2	1 350	950	40	3	150	450	850
42	700 2	300	1 300	900	42	750	2	1	800
44	400 2	2	1 250	850	44	3	100	400	750
46	150 1	250	1 200	800	46	600	2	1	750
48	900	2	1 200	750	48	3	100	350	700
50		200	1 150	700	50	500	2	1	650
52		2	1 150	650	52	3	050	300	650
54		150	1 100	650	54	400	1	1	600
56		2	1 100	600	56	3	950	250	600
58		050	950	600	58	100	1	1	600
60		1		600	60	2	900	200	
62		950		600	62	750	1	1	
64		1		450	64	2	850	150	
		900				450	1	1	
		1					800	150	
		850					1	1	
		1					800	150	
		800					1	1	
		1					700	100	
		700						1	
		1						100	
		500							
		1							
		300							

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.

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Link-Belt Construction Equipment Company Lexington, Kentucky

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HTC -86100

Link-Belt Cranes