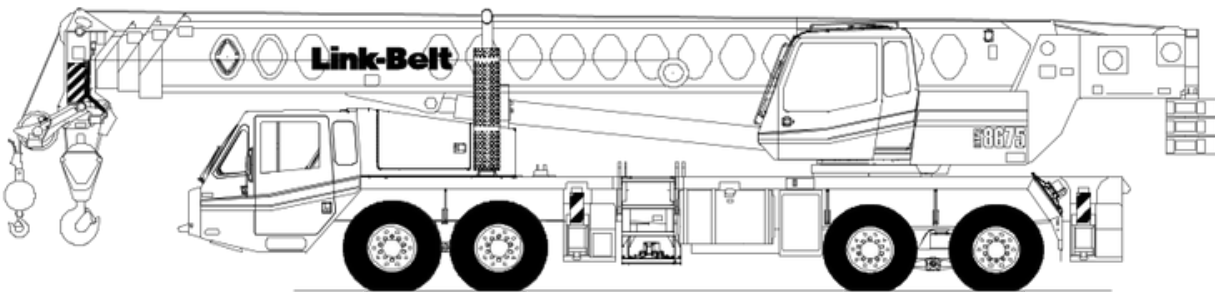


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TechnicalData

HTC 8675

Telescopic Boom Truck Crane
75 ton (68.0 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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HTC---8675

Link-Belt Cranes

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Boom, Attachments, and Upper Structure

Boom

Design --- Four section, box type construction of high tensile steel consisting of one base section and three telescoping sections. The vertical side plates have diamond shaped steel impressions for superior strength to weight ration. The first telescoping section extends independently by means of one double---acting, single stage hydraulic cylinder with integrated holding valves. The second and third telescoping sections extend proportionally by means of one double---acting, single stage cylinder with integrated holding valves and cables.

Boom

538---115ft(11.6---35.1m)foursectionfullpowerboom

S Two mode boom extension: *A---max* mode provides superior capacities by extending the first telescoping section to 63.6 ft (19.4m). Standard mode synchronizes all the telescoping sections proportionally to 115 ft (35.1m).

Controlled from the operator's cab.
S Mechanical boom angle indicator

S Maximum tip height for *A---max* mode is 72 ft (21.9m) and standard mode is 122 ft (37.2m).

S Provisions for boom dolly connection

Boom Head

S Five 16.5 in (41.9cm) root diameter nylon sheaves to handle up to ten parts of line

S Easily removable wire rope guards

S Rope dead end lugs on each side of the boom head

S Boom head is designed for quick---reeve of the hook block

Boom Elevation

S One double acting hydraulic cylinder with integral holding valve

S Boom elevation: ---3° to 78°

Auxiliary Lifting Sheave---Optional

S Single 16.5 in (41.9m) root diameter nylon sheave

S Easily removable wire rope guards

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

Hook Blocks and Balls---Optional

safety latch

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

safety latch

S 75 ton (68.0mt) 5 sheave quick---reeve hook block with

safety latch

S 8.5 ton (7.7mt) swivel and non---swivel hook balls with

safety latch

Fly---Optional

table to 2°, 20°, and 40°. Maximum tip height is 157 ft (47.9m).

S 36 ft 6 in---61 ft (11.1---18.6m) two piece bi---fold lattice fly, stowable, offsettable to 2°, 20°, and 40°. Maximum tip height is 182 ft (55.5m).

Upper Operator's Cab and Controls

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

Equipped with:

S Tinted and tempered glass windows

S Extra---large fixed front window with windshield wiper and washer

S Swing up roof window with windshield wiper

S Sliding left side door with large fixed window

S Sliding rear and right side windows for ventilation

S Six way adjustable, cushioned seat with seat belt and storage compartment

S Engine dependent warm---water heater with air ducts for front windshield defroster and cab floor

S Defroster fan for the front window

S Bubble level

S Circulating fan

S Adjustable sun visor

S Dome light

S Cup holder

S Fire extinguisher

S Left side viewing mirror

S Pull---out cabwalk

S 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:

S Swing

S Boom hoist

S Main rear winch

S Auxiliary front winch --- optional

S Drum rotation indication

S Drum rotation indicator activation switch

S Winch high/low speed and disable switch(es)

S Counterweight handling switch

S Telescopic override switches

S Warning horn button

S Swing park brake

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

Foot Controls

S Boom telescope

S Swing brake

S Engine throttle

Right Front Console --- Controls and indicators for:

S Engine ignition
 S Engine throttle lock
 S Function disable
 S Front windshield wiper
 and washer
 S Cab floodlights
 S Warning horn
 S Heating controls
 S Console dimmer switch
 S Bubble level
 S 12 volt power connection
 S Air conditioning---optional
 S Boom floodlight---optional
 S Rotating beacon/Strobe
 light---optional

Cab Instrumentation --- Ergonomically positioned, analog instrumentation for crane operation including:

S Check and stop engine indicators
 S Engine coolant temperature with warning indicator
 S Hydraulic oil temperature with warning indicator
 S Fuel level with warning indicator
 S Tachometer

Rated Capacity Limiter --- Microguard graphic audio---visual warning system integrated into the dash with anti---two block and function limiter. Operating data available includes:

S Crane configuration
 S Boom length and angle
 S Boom head height
 S Allowed load and % of allowed load
 S Boom angle
 S Radius of load
 S Actual load
 S Presettable defined alarms (include):
 S Maximum and minimum boom angles
 S Maximum tip height
 S Maximum boom length
 S Swing left/right positions
 S Operator defined area (imaginary plane)

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.

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 toggle 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

S Two working lights on front of the cab
 S One rotating amber beacon on top of the cab --- optional
 S One amber strobe beacon on top of the cab --- optional
 S Boom floodlight --- optional

Load Hoist System
Load Hoist Performance

Main (Rear) and Auxiliary (Front) Winches --- 3/4 in (19mm) Rope										
	MaximumLinePull		NormalLineSpeed		HighLineSpeed		Layer		Total	
Layer	lb	kg	ft/min	m/min	ft/min	m/min	ft	m	ft	m
1	16,506	7487.0	176	53.6	352	107.3	114	34.7	114	34.7
2	15,175	6883.4	192	58.5	383	116.7	124	37.8	238	72.5
3	14,043	6369.9	207	63.1	414	126.2	134	40.8	372	113.4
4	13,068	5927.6	223	68.0	445	135.6	144	43.9	516	157.3
5	12,220	5543.0	238	72.5	476	145.1	154	46.9	670	204.2

Wire Rope Application		Diameter		Type	Maximum Permissible Load	
		in	mm		lb	kg
Main (Rear) Winch	Standard	3/4	19	18x19 rotation resistant---right regular lay (Type RB)	12,920	5860.5
	Optional	3/4	19	36x7 rotation resistant---right regular lay (Type ZB)	15,600	7076.2
Auxiliary (Front) Winch	Standard	3/4	19	18x19 rotation resistant---right regular lay (Type RB)	12,920	5860.5
	Optional	3/4	19	36x7 rotation resistant---right regular lay (Type ZB)	15,600	7076.2

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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.
- ⊞ Combined winch mode merges the hydraulic flow of two pumps for high---speed operation for either the main or auxiliary winch.
- ⊞ Grooved lagging
- ⊞ Power up/down mode of operation
- ⊞ Hoist drum cable follower
- ⊞ Drum rotation indicator
- ⊞ Drum diameter: 16 in (40.6cm)
- ⊞ Rope length:
 - ⊞ Main: 630 ft (192.0m)
 - ⊞ Auxiliary: 630 ft (192.0m)
- ⊞ Maximum rope storage: 834 ft (254.2m)
- ⊞ Terminator style socket and wedge

⊞ Hydraulic System

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

Hydraulic Oil Cooler --- Remote mounted cooler with hydraulically driven fan removes heat from the hydraulic oil. Located behind the operator's cab.

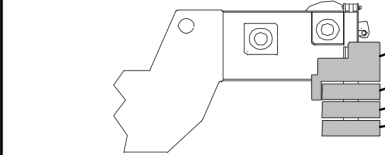
Boom Hoist Float Valves (Optional) --- For transporting the boom over the rear of the crane with a boom dolly. Allows hydraulic oil within the boom hoist cylinder to flow between piston side and case side.

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.

JCounterweight

Standard---Total of 12,000lb (5445kg) of total counterweight consisting of three, hydraulically removable 4,000 lb (1 815kg) counterweights with capacities for 0 lb (0kg), 4,000 lb (1 815kg), 8,000 lb (3 630kg), and 12,000 lb (5 445kg) counterweight configurations. Assembled and disassembled by hydraulic cylinders controlled from the left side of the upper structure.

Optional --- 4,000 lb (1 815kg) in addition to standard counterweight for a total of 16,000 lb (7 260kg)

Counterweight Usage Combinations					
					
Ctwt	Standard				Optional
	0 lb (0kg)	4,000lb (1815kg)	8,000lb (3630kg)	12,000 lb (5 445kg)	16,000 lb (7 260kg)
1		X	X	X	X
2			X	X	X
3				X	X
4					X

Carrier

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General

- S 8 ft 6 in (2.6 m) wide
- S 23 ft 9.2 in (7.24m) wheelbase (centerline of first axle to fourth axle)
- S **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 access ladders.

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. Hydraulically controlled from the operator's cab and on both sides of carrier with integral check valves. A fifth front bumper outrigger with integral check valve is hydraulically controlled from 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 --- 97,400 lb (44 180.6kg) force and 200.8 psi (1 384.5kPa) ground bearing pressure

Steering and Axles

SS system provides hydraulic assisted steering with mechanical link between steering wheel and wheels

- S **Drive** --- 8 x 4 for on/off---highway travel
- S **Axle 1 & 2** --- Tandem steered, non---driven
- S **Axle 3 & 4** --- Tandem non---steered, driven with reduction: 6.17 to 1
- S **Inter---Axle Differential Lock** --- Traction adding device that locks axle 3 with axle 4. Operated by a switch from the carrier cab.

Suspension

- Front** --- Four 9---leaf springs with center equalizers
- Rear** --- Raydan Air Link walking beam air suspension with height adjustment. The rear of the carrier can be lowered with a switch in the carrier cab.
- S **Axle Lift System** --- Improves rear tire ground clearance when the crane is up on outriggers.

Tires and Wheels

- Front** --- Four (single) 445/65R22.5 tires on aluminum disc wheels
- Rear** --- Eight (dual) 12R22.5 tires on aluminum disc wheels
- S Spare tires and wheels --- optional
- S Tire inflation kit --- optional

Brakes

- Service** --- Full air brakes on all wheel ends. Dual circuit compressed air system with air dryer.
- Parking/Emergency** --- Spring loaded type, acting on 3rd and 4th axles automatically apply when air pressure drops below 40 psi (275.8kPa) in both circuits.

Electrical

Battery --- Four batteries provide 12 volt starting and operation

Lights

- S **Head lights** include two main headlights, two high beam lights, two parking/directional indicators, and three cab marker lights.
- S Side lighting includes three parking/directional indicators per side.
- S Rear lighting includes two parking/directional indicators, two parking/brake lights, two reverse lights, three marker lights, and a license plate light.
- S Other equipment includes hazard/warning system, cab light, instrument panel light, and signal horn.
- S One amber strobe beacon on top of the cab --- optional
- S Daytime running lights --- optional

Engine

Specification	Detroit Diesel Series 60
Number of cylinders	6
Cycle	4
Bore and Stroke: inch (mm)	5.12 x 6.30 (130 x 160)
Piston Displacement: in ³ (L)	778 (12.7)
Max. Brake Horsepower: hp (kW)	378 (281.9) @ 1,800 rpm
Peak Torque: ft/lb (J)	375 (279.6) @ 2,100 rpm
Alternator: volts---amps	1,350 (1837) @ 1,200 rpm
Crankcase Capacity: qt (L)	12---130
	32 (30.3)
S Cruise control	
S Three---stage engine compression brake	
S Thermostatically controlled, hydraulically driven radiator fan	
S 120 volt engine block heater	
S Ether injection system---optional	

Transmission

Manual --- Eaton RTO---14909ALL has 11 forward gears and 3 reverse gears.



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5**J Carrier Speeds and Gradeability**

Eaton		Speed		Gradeability (@ Peak Torque Except Creep @ Idle)	
Gear	Ratio	mph	km/h	% Grade	
8th	HighRange	.73	58.4	94.0	2.1
7th		1.00	42.6	68.6	3.4
6th		1.38	30.9	49.7	5.1
5th		1.95	21.9	35.2	7.6
Reverse		3.43	12.4	19.8	10.9
4th	Low Range	2.77	15.4	24.8	11.2
3rd		3.79	11.2	18.1	15.6
2nd		5.23	8.2	13.1	21.8
1st		7.41	5.8	9.3	31.1
Low		16.30	2.6	4.2	54.5
Reverse		13.01	3.3	5.2	43.4
LL2	Deep Reduction	11.85	3.6	5.8	50.2
LL1		26.08	1.6	2.6	54.0
Reverse		20.82	2.1	3.3	43.0
LL1@700rpm		26.08	0.5	0.9	51.2
Reverse@700rpm		20.82	0.7	1.1	40.7

Based on a gross vehicle weight of 95,000 lb (43 091kg)

J FuelTank

One 100 gal (378.5L) capacity tank

J Hydraulic System**Main Pumps**

- S Five fixed displacement gear pumps for the main outriggers, main and auxiliary winches, swing, boom hoist, and telescope with manual disconnect for use when crane is in travel mode
- S One fixed displacement gear pump for steering and the fifth front bumper outrigger
- S One variable displacement piston pump for the controls circuit
- S One fixed displacement gear pump for engine cooling fan
- S Combined pump capacity of 195 gpm (738.2Lpm)
- Hydraulic Reservoir** --- 169 gal (639.7L) 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.

J Pump Drive

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

J Lower Cab and Controls

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

Equipped with:

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

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



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Cab Instrumentation --- Ergonomically positioned analog instrumentation for driving including:

- S Speedometer with odometer, hourmeter, trip odometer, and clock
- S Front and rear air pressure with warning indicator
- S Engine coolant temperature with warning indicator
- S Engine oil pressure with warning indicator
- S Voltage indicator with warning indicator
- S Fuel level
- S Tachometer

Right Side Console --- Controls For:

- S Transmission gear shifting
- S Cruise control
- S Engine compression brake

Dash Mounted Controls For:

- S Check and stop engine indicators
- S Windshield wipers and washers
- S Carrier lights and turn indicators
- S Carrier/upper throttle control
- S Engine cooling fan override
- S Cab heater/air conditioning
- S Console dimmer switch
- S Engine diagnostic switch
- S Warning lamps
- S Engine ignition

Dash Mounted Indicators For:

- S Check, stop, and service engine
- S Turn signal indication
- S Park brake
- S Cruise activation
- S High beam headlights

Foot Controls For:

- S Carrier service brakes
- S Engine throttle
- S Transmission clutch

J Additional Equipment

Standard:

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

Optional:

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

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Axle Loads

Basecrane with full tank of fuel and no counterweight	Gross Vehicle Weight		Front Axles		Rear Axles	
	lb	kg	lb	kg	lb	kg
	76,617	34,753	34,763	15,768	41,854	18,985
Driver in the carrier cab	250	113	315	143	---65	---30
Rear pintle hook	25	11	---11	---5	36	16
Pneumatic and electrical connectors for trailer or boom dolly	7	3	---3	---1	10	5
Carrier aluminum storage box	57	26	16	7	41	19
Ether injection	13	6	12	5	1	0.5
Air conditioning---carrier cab	42	19	51	23	---9	---4
Auxiliary winch with 630 ft (192.0m) of 3/4 in (19mm) type B rope	855	388	---274	---124	1,129	512
Remove 630ft (192.0m) of rope---main winch	---702	---318	338	153	---1,040	--
Remove 630ft (192.0m) of rope---auxiliary winch	---702	---318	254	115	---956	-472
Air conditioning---upper operator's cab	120	54	---4	---2	124	---56
360° mechanical swing lock	140	64	22	10	118	-524
One slab of counterweight on upper	4,000	1,815	---2,094	---950	6,094	2,764
Two slabs of counterweight on upper	8,000	3,630	---4,187	---1,899	12,187	5,528
Three slabs of counterweight on upper	12,000	5,445	---6,281	---2,849	18,281	8,292
Three slabs and two cheek weights of counterweight on upper	16,000	7,260	---8,374	---3,798	24,374	11,056
Floodlight to the front of the boom base section	10	5	17	8	---7	---3
Fly mounting brackets to boom base section for fly options	160	73	148	67	12	5
36.5ft (11.1m) offsettable lattice fly---stowed	1,542	699	1,338	607	204	93
36.5---61 ft (11.1---18.6m) offsettable lattice fly ---stowed	2,248	1,020	1,700	771	548	249
Auxiliary lifting sheave	125	57	231	105	---	---48
40ton (36.3mt) 4 sheave hook block at front bumper	720	327	1,163	528	-106 -	---201
60ton (54.4mt) 4 sheave hook block at front bumper	1,109	503	1,791	812	---443	---309
75ton (68.0mt) 5 sheave hook block at front bumper	1,400	635	2,261	1,026	---	---391
8.5ton (7.7mt) hook ball at front bumper	360	163	581	264	---682 -	---100

Counterweight Load Transfer	Front Axles		Rear Axles	
	lb	kg	lb	kg
Transfer one slab of counterweight to carrier deck	5,264	2,388	---5,264	---2,388
Transfer two slabs of counterweight to carrier deck	10,528	4,775	---10,528	---4,775
Transfer three slabs of counterweight to carrier deck	15,792	7,163	---15,792	---7,163

Axle	Maximum Load @ 65mph (105km/h)
Front	46,400lb (21,047kg)---aluminum disc wheels with 445/65R22.5 tires
Rear	50,350lb (22,838kg)---aluminum disc wheels with 12R22.5 tires

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

8 Axle Loads with 2--Axle Boom Dolly

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Base crane and 5,700 lb (2 585kg) boom dolly with full tank of fuel and no counterweight	Gross Vehicle Weight (1)		Front Axles		Rear Axles		Dolly Axles	
	lb	kg	lb	kg	lb	kg	lb	kg
	82,317	37,338	30,472	13,822	33,936	15,393	17,909	8,123
Driver in the carrier cab	250	113	315	143	---65	---30	0	0
Rear pintle hook	25	11	---11	---5	36	16	0	0
Pneumatic and electrical connectors for trailer or boom dolly	7	3	---3	---1	10	5	0	0
Carrier aluminum storage box	57	26	16	7	41	19	0	0
Ether injection	13	6	12	5	1	0.5	0	0
Air conditioning---carrier cab	42	19	51	23	---9	---4	0	0
Auxiliary winch with 630 ft (192.0m) of 3/4 in (19mm) type "RB" rope	855	388	588	267	267	121	0	0
Remove 630ft (192.0m) of rope---main winch	--	--	---527	---239	--	---79	0	0
Remove 630ft (192.0m) of rope---auxiliary winch	-702 -	-318	---443	---201	-175 -	---117	0	0
Air conditioning---upper operator's cab	-1702	-54	---4	---2	-259	56	0	0
360° mechanical swing lock	140	-348	16	7	124	56	0	0
One slab of counterweight on carrier deck	4,000	1815	3,171	1438	829	376	0	0
Two slabs of counterweight on carrier deck	8,000	3630	6,341	2876	1,659	753	0	0
Three slabs of counterweight on carrier deck Three slabs	12,000	5445	9,512	4315	2,488	1129	0	0
and two cheek weights of counterweight on carrier deck	16,000	7260			3,318	1505	0	0
Floodlight to the front of the boom base section	10	5	12,682	5752			11	5
Fly mounting brackets to boom base section for fly options	160	73	---1	---0.5	---1	---0.5	103	47
36.5ft (11.1m) offsettable lattice fly---stowed 36.5---61 ft	1,542	699	29	13	227	103	1,090	494
(11.1---18.6m) offsettable lattice fly ---stowed	2,248	1020	225	102			1,427	647
Auxiliary lifting sheave			409	186	412	187	165	75
40ton (36.3mt) 4 sheave hook block at front bumper	125	57	---20	---9	---20	---9	915	415
60ton (54.4mt) 4 sheave hook block at front bumper	720	327	---97	---44	---98	---44	1,410	640
75ton (68.0mt) 5 sheave hook block at front bumper	1,109	503	---150	---68	---151	---68	1,780	807
8.5ton (7.7mt) hook ball at front bumper	1,400	635	---189	---86	---191	---87	476	216
	360	163	---58	---26	---58	---26		

lb	Counterweight Load Transfer	Front Axles		Rear Axles		Dolly Axles	
		kg	lb	kg	lb	kg	lb
6,341	Transfer two slabs of counterweight to boom dolly		---2876		---1,659	753	8,000
3,629							3629

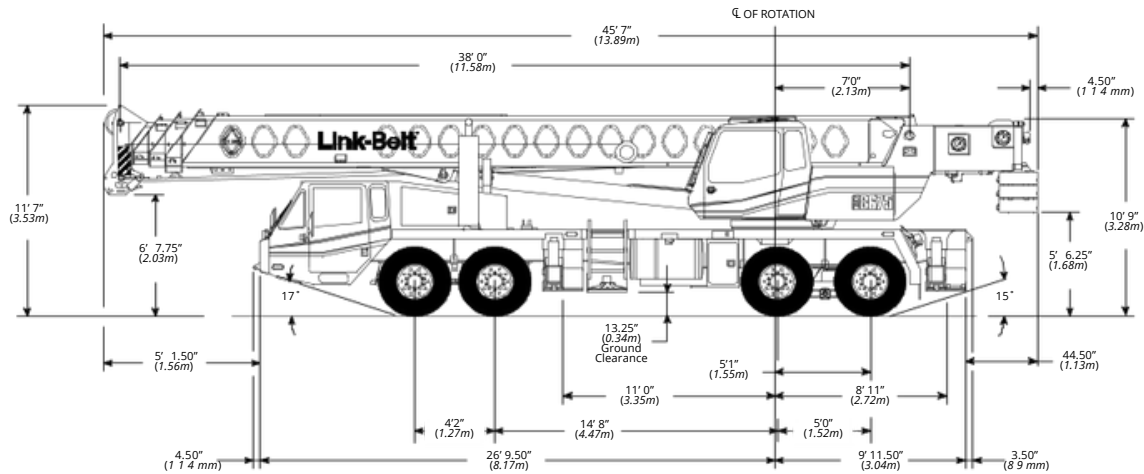
(1) Adjust gross vehicle weight and axle loading according to component weight.
Note: All weights are ±3%.



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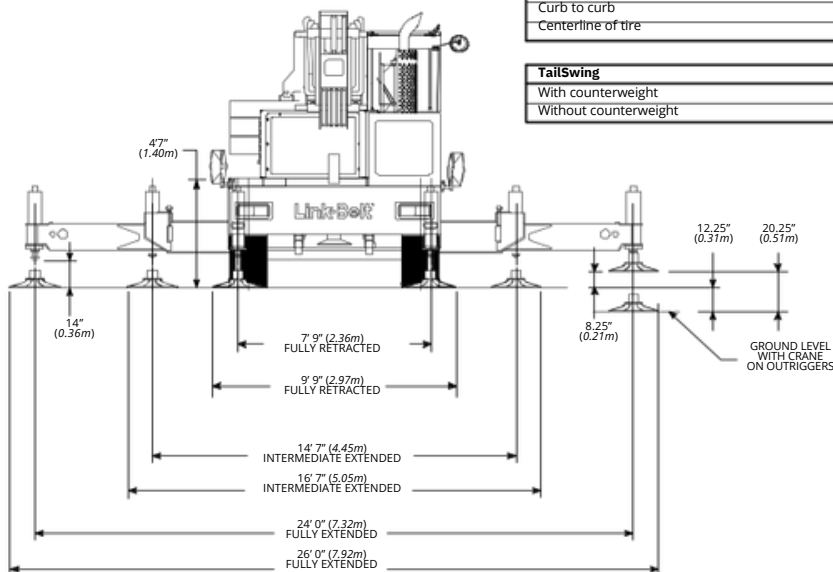
9

General Dimensions



Turning Radius	English	Metric
Wall to wall over carrier	46' 3"	14.1m
Wall to wall over boom	47' 1"	14.4m
Wall to wall over boom attachment	49' 2"	15.0m
Curb to curb	41' 10"	12.8m
Centerline of tire	41' 1"	12.5m

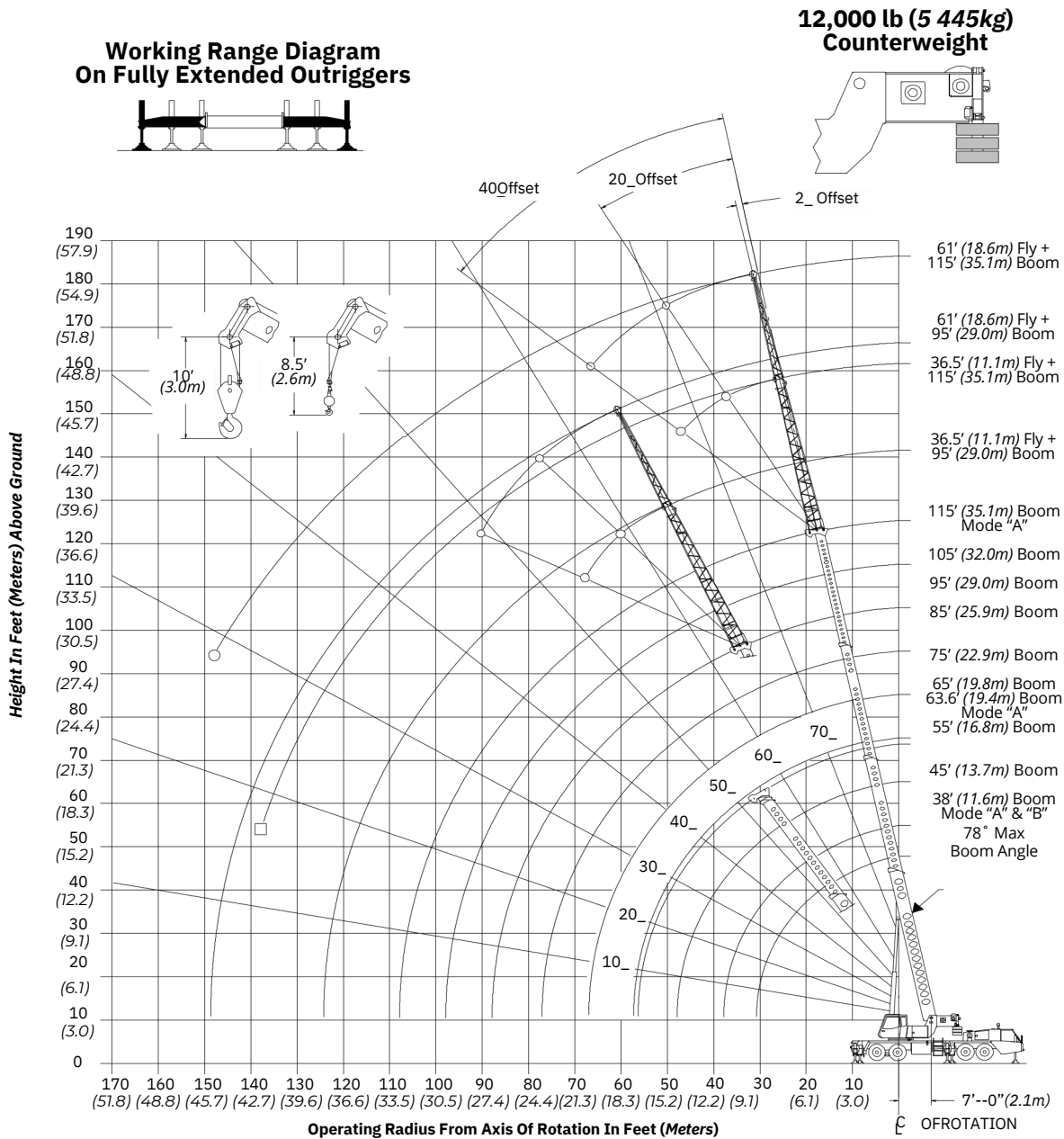
TailSwing	English	Metric
With counterweight	13' 8"	4.2m
Without counterweight	13' 1"	4.0m



Not To Scale

Working Range Diagram

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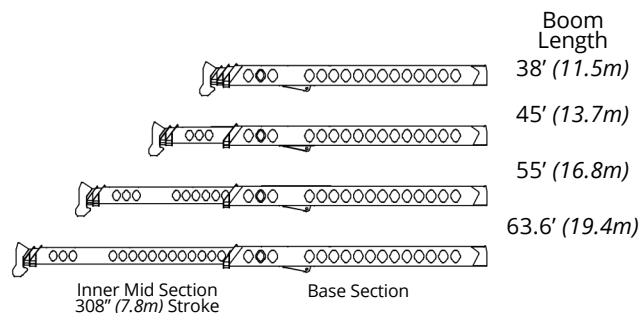


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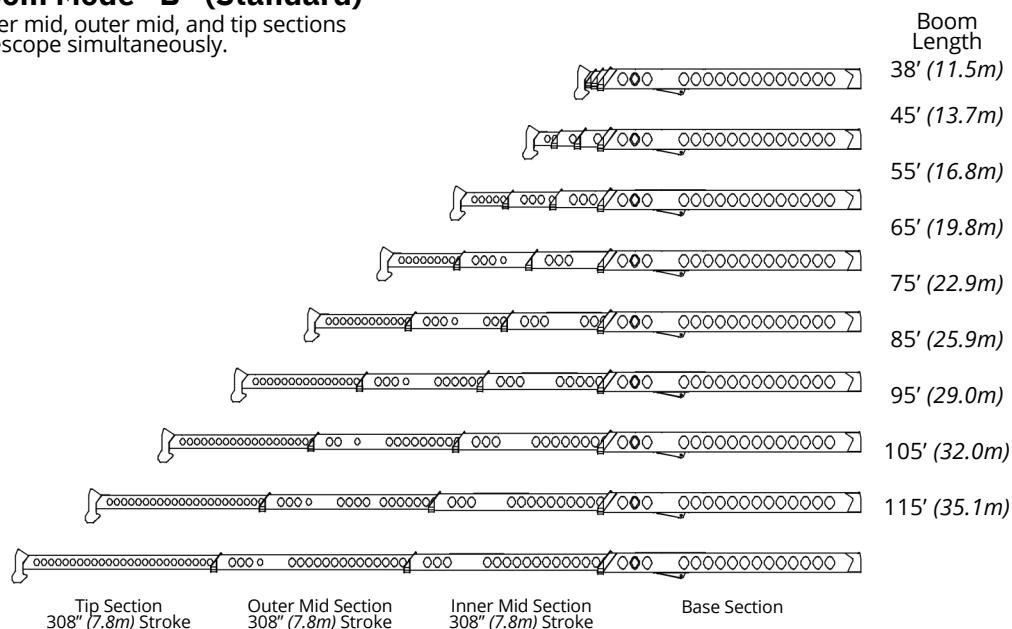
Boom Extend Modes

BoomMode“A”(A-max)



Boom Mode "B" (Standard)

Inner mid, outer mid, and tip sections telescope simultaneously.



12 Main Boom Lift Capacity Charts -- Standard

5480 (supersedes 5456)---0706---F2

12,000 lb Counterweight -- Fully Extended Outriggers -- 360° Rotation (All Capacities Are Listed In Pounds)										
Radius (ft)	BoomLength(ft)									Radius (ft)
	38	45	55	63.6/65	75	85	95	105	115	
8	150,000*									8
9	140,000*									9
10	132,000	87,400	85,600							10
12	114,600	87,400	85,600	56,300**						12
15	98,200	87,400	85,600	56,300**	42,000	42,000				15
20	73,600	73,200	72,700	53,000**	42,000	42,000	38,600			20
25	56,700	56,300	55,900	44,900**	42,000	41,800	33,800	30,300	24,500	25
30	41,900	41,600	40,900	42,000	42,000	36,900	29,800	27,000	24,500	30
35		31,700	31,300	33,800	34,000	32,900	26,600	24,100	22,200	35
40			24,700	27,100	27,300	27,400	23,900	21,700	20,000	40
45			19,800	22,200	22,500	22,600	21,700	19,600	18,100	45
50				18,500	18,800	18,900	19,000	17,900	16,300	50
55				15,600	15,900	16,000	16,100	16,200	14,900	55
60					13,500	13,700	13,800	13,900	13,600	60
65					11,600	11,800	11,900	12,000	12,000	65
70						10,100	10,200	10,300	10,400	70
75						8,700	8,800	8,900	9,000	75
80							7,600	7,700	7,800	80
85							6,500	6,600	6,700	85
90								5,700	5,800	90
95								4,900	5,000	95
100									4,300	100
105									3,700	105

* SpecialConditionsOrWireRopeRequired
** 63.6 A---max 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.



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12,000 lb Counterweight -- On Tires -- Stationary -- Boom Centered Over Rear							
(All Capacities Are Listed In Pounds)							
Radius (ft)	Boom Length (ft)						Radius (ft)
	38	45	55	65	75	85	
10	32,800						10
12	29,700						12
15	25,800	25,800					15
20	20,700	20,700	20,700				20
25	16,800	16,800	16,800	16,800			25
30	12,800	13,500	14,000	14,400	14,600		30
35		10,100	10,700	11,100	11,300	11,500	35
40			8,200	8,600	8,800	9,000	40
45			6,300	6,700	6,900	7,100	45
50				5,200	5,400	5,600	50
55				3,900	4,200	4,400	55
60					3,200	3,400	60
65						2,500	65

12,000 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	45	55	65	75	85	
10	20,700						10
12	19,000						12
15	16,200	16,200					15
20	12,400	12,400	12,400				20
25	9,500	9,500	9,500	9,500			25
30	7,200	7,200	7,200	7,200	7,200		30
35		5,800	5,800	5,800	5,800	5,800	35
40			4,800	4,800	4,800	4,800	40
45			3,500	3,500	3,500	3,500	45
50				2,800	2,800	2,800	50
55				1,900	1,900	1,900	55
60					1,400	1,400	60
65						700	65

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.

14 Main Boom Lift Capacity Charts -- Optional

5480 (supersedes 5456)---0706---F2

16,000 lb Counterweight -- Fully Extended Outriggers -- 360° Rotation (All Capacities Are Listed In Pounds)										
Radius (ft)	BoomLength(ft)									Radius (ft)
	38	45	55	63.6/65	75	85	95	105	115	
8	150,000*									8
9	140,000*									9
10	132,000	87,400	85,600							10
12	116,900	87,400	85,600	56,300**						12
15	100,200	87,400	85,600	56,300**	42,000	42,000				15
20	75,900	75,500	75,000	53,000**	42,000	42,000	38,600			20
25	58,700	58,300	57,900	44,900**	42,000	41,800	33,800	30,300	24,500	25
30	45,400	45,100	44,400	42,000	42,000	36,900	29,800	27,000	24,500	30
35		35,600	36,300	36,600	36,800	32,900	26,600	24,100	22,200	35
40			29,100	29,400	29,600	29,700	23,900	21,700	20,000	40
45			23,800	24,300	24,500	24,600	21,700	19,600	18,100	45
50				20,300	20,600	20,700	19,800	17,900	16,300	50
55				17,200	17,500	17,600	17,700	16,200	14,900	55
60					15,000	15,100	15,200	14,900	13,600	60
65					12,900	13,100	13,200	13,300	12,500	65
70						11,400	11,600	11,600	11,600	70
75						9,900	10,100	10,200	10,300	75
80							8,800	8,900	9,000	80
85							7,700	7,800	7,800	85
90								6,800	6,900	90
95								5,900	6,000	95
100									5,200	100
105									4,600	105

* SpecialConditionsOrWireRopeRequired

** 63.6 A---max 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.



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16,000 lb Counterweight -- On Tires -- Stationary -- Boom Centered Over Rear							
(All Capacities Are Listed In Pounds)							
Radius (ft)	Boom Length (ft)						Radius (ft)
	38	45	55	65	75	85	
10	32,800						10
12	29,700						12
15	25,800	25,800					15
20	20,700	20,700	20,700				20
25	16,800	16,800	16,800	16,800			25
30	13,700	13,700	13,700	13,700	13,700		30
35		11,500	12,100	12,500	12,700	12,800	35
40			9,400	9,800	10,000	10,200	40
45			7,400	7,700	8,000	8,200	45
50				6,100	6,400	6,600	50
55				4,800	5,100	5,200	55
60					4,000	4,200	60
65					3,100	3,200	65
70						2,500	70

16,000 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	45	55	65	75	85	
10	20,700						10
12	19,000						12
15	16,200	16,200					15
20	12,400	12,400	12,400				20
25	9,500	9,500	9,500	9,500			25
30	7,200	7,200	7,200	7,200	7,200		30
35		5,800	5,800	5,800	5,800	5,800	35
40			4,800	4,800	4,800	4,800	40
45			3,500	3,500	3,500	3,500	45
50				2,800	2,800	2,800	50
55				1,900	1,900	1,900	55
60					1,400	1,400	60
65					700	700	65
70						300	70

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.



16 Fly Attachment Lift Capacity Charts -- Optional

5480 (supersedes 5456)---0706---F2

12,000 lb Counterweight -- Fully Extended Outriggers -- 360° Rotation (All Capacities Are Listed In Pounds)								
115 ft Main Boom Length 2° Fly Offset			115 ft Main Boom Length 20° Fly Offset			115 ft Main Boom Length 40° Fly Offset		
Radius (ft)	FlyLength(ft)		Radius (ft)	FlyLength(ft)		Radius (ft)	FlyLength(ft)	
	36.5	61		36.5	61		36.5	61
35	10,500		45	9,200		55	6,800	
40	10,500	7,100	50	8,900		60	6,600	
45	10,500	7,100	55	8,600		65	6,500	
50	10,500	7,100	60	8,200	4,900	70	6,300	
55	10,500	7,000	65	8,000	4,700	75	6,200	
60	10,500	6,700	70	7,700	4,500	80	6,100	3,300
65	10,200	6,400	75	7,400	4,300	85	6,000	3,200
70	9,500	6,200	80	7,200	4,200	90	5,900	3,100
75	8,700	5,900	85	7,000	4,000	95	5,800	3,000
80	8,000	5,600	90	6,800	3,900	100	5,700	3,000
85	7,400	5,300	95	6,500	3,700	105	5,400	2,900
90	6,800	5,100	100	5,800	3,600	110	4,700	2,900
95	6,000	4,800	105	5,100	3,500	115	4,100	2,800
100	5,200	4,600	110	4,500	3,400	120	3,500	2,800
105	4,600	4,400	115	3,900	3,300	125		2,800
110	4,000	4,200	120	3,400	3,200	130		2,700
115	3,500	4,000	125	2,900	3,100	135		2,700
120	3,000	3,500	130	2,400	3,000	140		2,700
125	2,600	3,100	135	2,000	2,800	145		2,300
130	2,200	2,700	140	1,600	2,400			
135	1,900	2,300	145		2,100			
140		2,000	150		1,700			
145		1,700	155		1,400			
150		1,400						

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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16,000 lb Counterweight -- Fully Extended Outriggers -- 360° Rotation (All Capacities Are Listed In Pounds)								
115 ft Main Boom Length 2° Fly Offset			115 ft Main Boom Length 20° Fly Offset			115 ft Main Boom Length 40° Fly Offset		
Radius (ft)	FlyLength(ft)		Radius (ft)	FlyLength(ft)		Radius (ft)	FlyLength(ft)	
	36.5	61		36.5	61		36.5	61
35	10,500		45	9,200		55	6,800	
40	10,500	7,100	50	8,900		60	6,600	
45	10,500	7,100	55	8,600		65	6,500	
50	10,500	7,100	60	8,200	4,900	70	6,300	
55	10,500	7,000	65	8,000	4,700	75	6,200	
60	10,500	6,700	70	7,700	4,500	80	6,100	3,300
65	10,200	6,400	75	7,400	4,300	85	6,000	3,200
70	9,500	6,200	80	7,200	4,200	90	5,900	3,100
75	8,700	5,900	85	7,000	4,000	95	5,800	3,000
80	8,000	5,600	90	6,800	3,900	100	5,700	3,000
85	7,400	5,300	95	6,500	3,700	105	5,700	2,900
90	6,900	5,100	100	6,100	3,600	110	5,400	2,900
95	6,400	4,800	105	5,600	3,500	115	4,900	2,800
100	5,900	4,600	110	5,200	3,400	120	4,300	2,800
105	5,500	4,400	115	4,700	3,300	125		2,800
110	4,900	4,200	120	4,100	3,200	130		2,700
115	4,300	4,000	125	3,600	3,100	135		2,700
120	3,800	3,800	130	3,100	3,000	140		2,700
125	3,300	3,400	135	2,700	2,900	145		2,700
130	2,900	3,100	140	2,300	2,800			
135	2,500	2,900	145		2,500			
140	2,200	2,600	150		2,300			
145		2,300	155		2,000			
150		2,000	160		1,600			
155		1,700						
160		1,400						

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.

Main Boom Lift Capacity Charts -- Optional (Metric)

5 445kg Counterweight -- Fully Extended Outriggers -- 360° Rotation (All Capacities Are Listed In Kilograms)										
Radius (m)	BoomLength(m)									Radius (m)
	11.58	13.7	16.8	19.39/19.8	22.9	25.9	29.0	32.0	35.05	
2.44	68000*									2.44
3.0	60000	39600	38800							3.0
3.5	54000	39600	38800							3.5
4.0	49200	39600	38800	25500**						4.0
4.5	45100	39600	38800	25500**						4.5
5.0	41400	37800	37150	25100**	19050	19050				5.0
6.0	34050	33600	33350	24100**	19050	19050				6.0
7.0	27350	27150	26850	21850**	19050	18950	16200			7.0
8.0	21650	21400	21100	19300**	18650	18400	14850	13 350	11 100	8.0
9.0	17400	17300	17500	17600	17650	16950	13650	12 350	11 100	9.0
10.0		14850	15100	15250	15300	15000	12700	11 500	10 500	10.0
12.0			11000	11150	11250	11300	10950	9950	9150	12.0
14.0			8300	8600	8700	8750	8800	8650	8050	14.0
16.0				6800	6900	6950	7000	7050	6900	16.0
18.0					5600	5650	5700	5750	5750	18.0
20.0					4500	4600	4650	4650	4700	20.0
22.0						3750	3800	3850	3850	22.0
24.0							3150	3200	3200	24.0
26.0							2600	2600	2650	26.0
28.0								2150	2150	28.0
30.0									1800	30.0
32.0									1450	32.0

* Special Condition Or Wire Rope Required
** 19.39 A---max 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 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.



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5 445kg Counterweight -- On Tires -- Stationary -- Boom Centered Over Rear							
(All Capacities Are Listed In Kilograms)							
Radius (m)	Boom Length (m)						Radius (m)
	11.58	13.7	16.8	19.8	22.9	25.9	
3.0	14 850						3.0
3.5	13 850						3.5
4.0	12 850						4.0
4.5	11 850						4.5
5.0	11 100	11 100					5.0
6.0	9550	9550					6.0
7.0	7950	8100	8250				7.0
8.0	6500	6700	6950	7100			8.0
9.0	5200	5450	5700	5850			9.0
10.0		4550	4750	4900	5000		10.0
12.0			3300	3450	3550	3650	12.0
14.0			2350	2500	2600	2650	14.0
16.0				1750	1850	1950	16.0
18.0					1300	1350	18.0
20.0						950	20.0

5 445kg Counterweight -- On Tires -- Pick & Carry (1.6km/h) -- Boom Centered Over Rear							
(All Capacities Are Listed In Kilograms)							
Radius (m)	Boom Length (m)						Radius (m)
	11.58	13.7	16.8	19.8	22.9	25.9	
3.0	9400						3.0
3.5	8850						3.5
4.0	8150						4.0
4.5	7450						4.5
5.0	6900	6900					5.0
6.0	5750	5750					6.0
7.0	4850	4850	4850				7.0
8.0	4050	4050	4050	4050			8.0
9.0	3350	3350	3350	3350			9.0
10.0		2900	2900	2900	2900		10.0
12.0			2250	2250	2250	2250	12.0
14.0			1500	1500	1550	1550	14.0
16.0				1100	1100	1100	16.0
18.0					650	650	18.0
20.0						250	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 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.

Main Boom Lift Capacity Charts -- Optional (Metric)

7 260kg Counterweight -- Fully Extended Outriggers -- 360° Rotation (All Capacities Are Listed In Kilograms)										
Radius (m)	BoomLength(m)									Radius (m)
	11.58	13.7	16.8	19.39/19.8	22.9	25.9	29.0	32.0	35.05	
2.44	68000*									2.44
3.0	60000	39600	38800							3.0
3.5	54800	39600	38800							3.5
4.0	50150	39600	38800	25500**						4.0
4.5	46050	39600	38800	25500**						4.5
5.0	42350	38100	37450	25100**	19050	19050				5.0
6.0	35100	34550	34300	24100**	19050	19050				6.0
7.0	28850	28650	28350	21850**	19050	18950	16200			7.0
8.0	23350	23100	22800	19650**	19000	18400	14850	13 350	11 100	8.0
9.0	18850	18650	18750	18850	18950	16950	13650	12 350	11 100	9.0
10.0		16100	16350	16500	16550	15600	12700	11 500	10 500	10.0
12.0			12000	12100	12200	12250	10950	9950	9150	12.0
14.0			9100	9400	9500	9550	9550	8700	8050	14.0
16.0				7450	7600	7600	7650	7600	7050	16.0
18.0					6150	6200	6250	6300	6200	18.0
20.0					5050	5150	5200	5250	5250	20.0
22.0						4300	4350	4400	4400	22.0
24.0							3650	3650	3700	24.0
26.0							3050	3050	3100	26.0
28.0								2550	2600	28.0
30.0									2150	30.0
32.0									1800	32.0

* SpecialConditionsOrWireRopeRequired
** 19.39 A---max 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 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.



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7 260kg Counterweight -- On Tires -- Stationary -- Boom Centered Over Rear							
(All Capacities Are Listed In Kilograms)							
Radius (m)	Boom Length (m)						Radius (m)
	11.58	13.7	16.8	19.8	22.9	25.9	
3.0	14 850						3.0
3.5	13 850						3.5
4.0	12 850						4.0
4.5	11 850						4.5
5.0	11 100	11 100					5.0
6.0	9550	9550					6.0
7.0	8350	8350	8350				7.0
8.0	7150	7200	7250	7300			8.0
9.0	5900	6100	6300	6400			9.0
10.0		5150	5350	5500	5600		10.0
12.0			3850	3950	4050	4100	12.0
14.0			2750	2900	3000	3100	14.0
16.0				2150	2200	2300	16.0
18.0					1600	1700	18.0
20.0					1100	1200	20.0

7 260kg Counterweight -- On Tires -- Pick & Carry (1.6km/h) -- Boom Centered Over Rear							
(All Capacities Are Listed In Kilograms)							
Radius (m)	Boom Length (m)						Radius (m)
	11.58	13.7	16.8	19.8	22.9	25.9	
3.0	9400						3.0
3.5	8850						3.5
4.0	8150						4.0
4.5	7450						4.5
5.0	6900	6900					5.0
6.0	5750	5750					6.0
7.0	4850	4850	4850				7.0
8.0	4050	4050	4050	4050			8.0
9.0	3350	3350	3350	3350			9.0
10.0		2900	2900	2900	2900		10.0
12.0			2250	2250	2250	2250	12.0
14.0			1500	1550	1550	1550	14.0
16.0				1100	1100	1100	16.0
18.0					650	650	18.0
20.0					250	250	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 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.



Fly Attachment Lift Capacity Charts -- Optional (Metric)

5 445kg Counterweight -- Fully Extended Outriggers -- 360° Rotation								
(All Capacities Are Listed In Kilograms)								
35.05m Main Boom Length 2° Fly Offset			35.05m Main Boom Length 20° Fly Offset			35.05m Main Boom Length 40° Fly Offset		
Radius (m)	FlyLength(m)		Radius (m)	FlyLength(m)		Radius (m)	FlyLength(m)	
	11.13	18.59		11.13	18.59		11.13	18.59
12.0	4750		12.0			12.0		
14.0	4750	3200	14.0	4100		14.0		
16.0	4750	3150	16.0	3950		16.0		
18.0	4750	3050	18.0	3750		18.0	3000	
20.0	4550	2850	20.0	3600	2100	20.0	2900	
22.0	4150	2750	22.0	3400	2000	22.0	2800	
24.0	3600	2550	24.0	3250	1900	24.0	2750	
26.0	3050	2350	26.0	3150	1800	26.0	2700	1400
28.0	2550	2250	28.0	2850	1700	28.0	2650	1350
30.0	2150	2100	30.0	2400	1600	30.0	2500	1350
32.0	1800	1950	32.0	2000	1550	32.0	2150	1300
34.0	1500	1700	34.0	1700	1500	34.0	1800	1300
36.0	1250	1450	36.0	1400	1450	36.0	1450	1250
38.0	1050	1200	38.0	1100	1400	38.0		1250
40.0	800	1000	40.0	900	1200	40.0		1200
42.0	650	800	42.0	700	1000	42.0		1100
44.0		650	44.0		800	44.0		900
46.0		500	46.0		650	46.0		

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 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.

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7 260kg Counterweight -- Fully Extended Outriggers -- 360° Rotation								
(All Capacities Are Listed In Kilograms)								
35.05m Main Boom Length 2° Fly Offset			35.05m Main Boom Length 20° Fly Offset			35.05m Main Boom Length 40° Fly Offset		
Radius (ft)	FlyLength(m)		Radius (m)	FlyLength(m)		Radius (m)	FlyLength(m)	
	11.13	18.59		11.13	18.59		11.13	18.59
12.0	4750		12.0			12.0		
14.0	4750	3200	14.0	4100		14.0		
16.0	4750	3150	16.0	3950		16.0		
18.0	4750	3050	18.0	3750		18.0	3000	
20.0	4550	2850	20.0	3600	2100	20.0	2900	
22.0	4150	2750	22.0	3400	2000	22.0	2800	
24.0	3700	2550	24.0	3250	1900	24.0	2750	
26.0	3300	2350	26.0	3150	1800	26.0	2700	1400
28.0	2950	2250	28.0	3000	1700	28.0	2650	1350
30.0	2550	2100	30.0	2750	1600	30.0	2600	1350
32.0	2150	1950	32.0	2400	1550	32.0	2500	1300
34.0	1850	1850	34.0	2000	1500	34.0	2100	1300
36.0	1550	1750	36.0	1700	1450	36.0	1800	1250
38.0	1300	1550	38.0	1450	1400	38.0		1250
40.0	1100	1300	40.0	1200	1300	40.0		1200
42.0	900	1100	42.0	950	1250	42.0		1200
44.0		900	44.0		1100	44.0		1100
46.0		750	46.0		850	46.0		900
48.0		600	48.0		700	48.0		
50.0			50.0		500	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 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.



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Link--BeltConstructionEquipmentCompany

Lexington, Kentucky

www.linkbelt.com

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Bigge Crane and Rigging Co.

10700 Bigge Avenue

San Leandro, CA 94577

Phone: (888) 337-BIGGE or (510) 638-8100

Fax: (510) 639-4053

Email: info@bigge.com

Web site: www.bigge.com

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