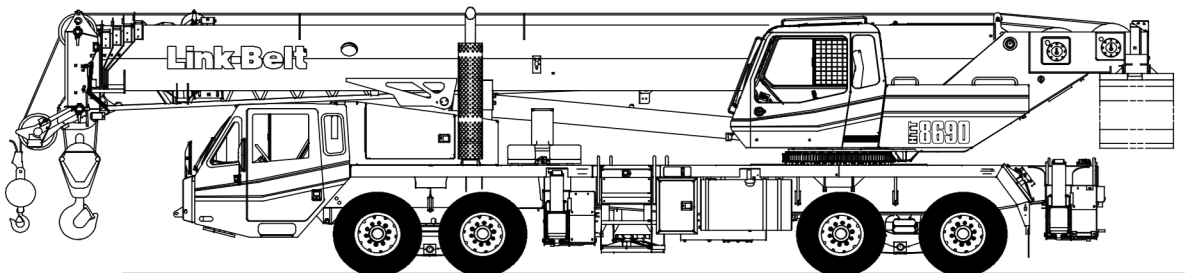




5579 (supersedes 5531)---0810---N3TT 1

TechnicalData

TE 8690 Telescopic Boom Truck Terrain Crane



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



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HTT-8690

Link-Belt Cranes

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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---140ft(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 extension of the telescoping sections:

EM1 extends to 140.0 ft (42.7m)

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 tip height for 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

boom sections

Bottom wear pads are universal for all boom sections

Top wear pads are universal for all boom sections

Boom Head

Five 16 in (40.6 cm) root diameter nylon sheaves

die 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 holding valve

Boomelevation: ---3° 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 safety latch

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

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

8.5 ton (7.7mt) 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 2° , 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 2° , 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 the boom head and fly options. Maximum tip height is 221 ft (67.4m).

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 galvanneal 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 sun visor
- Dome light
- Cup holder
- Fire extinguisher
- Left side viewing mirror
- Pull---out cabwalk
- 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:

- 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)
- Diesel particulate filter switch (EPA 2007 Engine Only)
- 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:

- | | |
|----------------------|------------------------------------|
| Engineignition | Consoledimmerswitch |
| Enginethrottlelock | Bubblelevel |
| Pumpenable | 12voltagepowerconnection |
| Functiondisable | Airconditioning---optional |
| Frontwindshieldwiper | Boomfloodlight---optional |
| andwasher | Rotatingbeaconorstrobe |
| Cabfloodlights | light---optional |
| Warninghorn | Thirdwrapselectorswitch---optional |
| Heatingcontrols | |

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

- Check and stop engine indicators
- Low air pressure warning indicator
- Swing park brake indicator
- Diesel particulate filter indicator (EPA 2007 Engine Only)
- High exhaust temperature indicator (EPA 2007 Engine Only)
- Engine coolant temperature with warning indicator
- Hydraulic oil temperature with warning indicator
- Fuel level with warning indicator
- Tachometer

Rated Capacity Limiter --- Microguard 540 color graphic audio---visual warning system integrated into the dash with anti---two block and function limiter. Operating data available includes:

- Crane configuration
- Boom length and angle
- Boom head height
- Allowed load and % of allowed load
- Boom angle
- Radius of load
- Actual load
- Counterweight removal
- Operator settable alarms (include):

- Maximum and minimum boom angles
- Maximum and minimum tip height
- Maximum boom length
- Left/right swing positions
- Operator defined area (imaginary plane)

Integrated Third Wrap Indicator --- Optional --- Microguard 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.

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.

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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 --- optional

Additional Equipment

Left side aluminum storage box

Load Hoist System Load Hoist Performance

Main (Rear) and Auxiliary (Front) Winches --- 3/4 in (19mm) Rope										
Layer	Maximum Line Pull		Normal Line Speed		High Line Speed		Layer		Total	
	lb	kg	ft/min	m/min	ft/min	m/min	ft	m	ft	m
1	16,880	7656.6	179	54.6	356	108.5	114	34.7	114	34.7
2	15,519	7039.3	195	59.4	387	118.0	124	37.8	238	72.5
3	14,362	6514.5	211	64.3	418	127.4	134	40.8	372	113.4
4	13,365	6062.3	226	68.9	449	136.9	144	43.9	516	157.3
5	12,497	5668.5	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	kg
Main (Rear) Winch	Standard	3/4	19	18x19 rotation resistant---right regular lay (Type RB)	12,920	5866.5
	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	5866.5
	Optional	3/4	19	36x7 rotation resistant---right regular lay (Type ZB)	15,600	7076.2

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

Drum diameter: 16 in (40.6cm)

Rope length:

Main: 730 ft (222.5m)

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

Maximum rope storage: 834 ft (254.2m)

Terminator style socket and wedge

Third wrap indicator --- optional --- Visually and audibly warns the operator when the wire rope is on the bottom layer and when the wire rope is down to the last three wraps.

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 counterweight consisting of three, hydraulically removable counterweights. Assembled and disassembled by hydraulic cylinders controlled from the operator's cab with capacities for:

0 lb (0kg) counterweight
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 additional capacities for:

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 additional capacities for:

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 additional capacities for:

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*

Limited low speed jobsite travel is offered for every counterweight configuration except 39,500 lb (17 916kg) 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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3,000 lb (1 360.8kg) Top 6,000 lb (2 721.6kg) Piece 2,500 lb (1 134.0kg) Tray 11,500 lb (5 216.3kg) 3,000 lb (1 360.8kg) Top 6,000 lb (2 721.6kg) Piece 2,500 lb (1 134.0kg) Tray 3,000 lb (1 360.8kg) Piece 12,000 lb (5 443.1kg) Piece 6,000 lb (2 721.6kg) Piece 32,500 lb (14 741.8kg) <td> 3,000 lb (1 360.8kg) Top 6,000 lb (2 721.6kg) Piece 2,500 lb (1 134.0kg) Tray 26,500 lb (12 020.2kg) 3,000 lb (1 360.8kg) Top 6,000 lb (2 721.6kg) Piece 2,500 lb (1 134.0kg) Tray 3,000 lb (1 360.8kg) Piece 7,000 lb (3 175.2kg) 2 --- Pieces 12,000 lb (5 443.1kg) Piece 6,000 lb (2 721.6kg) Piece 39,500 lb (17 916.9kg) </td>	3,000 lb (1 360.8kg) Top 6,000 lb (2 721.6kg) Piece 2,500 lb (1 134.0kg) Tray 26,500 lb (12 020.2kg) 3,000 lb (1 360.8kg) Top 6,000 lb (2 721.6kg) Piece 2,500 lb (1 134.0kg) Tray 3,000 lb (1 360.8kg) Piece 7,000 lb (3 175.2kg) 2 --- Pieces 12,000 lb (5 443.1kg) Piece 6,000 lb (2 721.6kg) Piece 39,500 lb (17 916.9kg)																																																																																																										
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Carrier

5579 (supersedes 5531)---0810---N3TT

General

8 ft 6 in (2.6 m) wide

23 ft 10 in (7.26m) wheelbase (centerline of first axle to centerline of fourth axle)

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

rier 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 from the operator's cab and on both sides of carrier. A fifth front bumper outrigger with integral check valves 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 --- 106,000 lb (48 080.8kg) force and 217 psi (1 496.2kPa) ground bearing pressure

Steering and Axles

Sheppardfullintegralmastergear/slavegearsteering

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

Drive --- 8 x 4 for on/off---highway travel

Axle 1 & 2 --- Tandem steered, non---driven

Axle 3 & 4 --- Tandem steered, driven with reduction: 6.35 to 1

Inter---Axle Differential Lock --- Traction adding device that locks axle 3 with axle 4. Operated by a switch from the carrier cab.

Transverse (Cross---Axle) Differential Locks --- Traction adding device that locks differentials within axles 3 and 4. Operated by a switch from the carrier cab.

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

wheels

Rear --- Four (single) 445/65R22.5 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 automatically apply when air pressure drops below 40 psi (275.8kPa) in both circuits.

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	CaterpillarC13	CumminsQXS15
EmissionsCompliance Level:	EPA 2007 ⁽¹⁾	Tier III/Stage IIIA ⁽²⁾
Maximum Allowable Sulfur Content of Fuel (PPM):	15	5000
Numbers of cylinders:		
Cycle:	6	6
Bore and Stroke: inch (mm)	4	4
Piston Displacement: in ³ (L)	5.12x6.18 (130x157)	5.39x6.65 (137x169)
Max. Brake Horsepower: hp (kW)	763 (12.5) 445 (331.8) @ 1,800rpm 430 (320.7) @ 2,100rpm	915 (15.0) 480 (358.8) @ 1,800rpm 450 (336) @ 2,100rpm
Peak Torque: ft lb (Nm)	1,550 (2101.5) @ 1,200rpm	1,550 (2102) @ 1,400rpm
Alternator: volts---amps	12---135	12---135
Crankcase Capacity: qt (L)	42.4 (40.1)	48.0 (45.4)
Cruise control Three---stage engine compression brake Thermostatically controlled, hydraulically driven radiator fan 120 volt engine block heater Ether injection system---optional on C13 Grid heater starting aid standard on QSX ⁽¹⁾ Complies with EPA emissions standard effective January 2007. ⁽²⁾ 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.



Carrier Speeds and Gradeability

ZF Astronic			Governed Speed				Gradeability (@ Peak Torque Except Creep @ Idle)	
			EPA2007		TierIII/StageIIIA			
Gear	Ratio	mph	km/h	mph	km/h	% Grade		
						EPA 2007	Tier III/ Stage IIIA	
12th	0.78	55.9	90.0	55.9	90.0	2.6	2.7	
11th	1.00	43.5	70.0	43.5	70.0	3.9	3.9	
10th	1.27	34.3	55.3	34.3	55.3	5.3	5.3	
9th	1.63	26.7	43.0	26.7	43.0	7.1	7.1	
8th	2.10	20.7	33.3	20.7	33.3	9.4	9.4	
7th	2.70	16.1	25.9	16.1	25.9	12.4	12.4	
6th	3.55	12.3	19.7	12.3	19.7	16.5	16.5	
5th	4.57	9.5	15.3	9.5	15.3	21.4	21.4	
4th	5.78	7.5	12.1	7.5	12.1	27.4	27.3	
3rd	7.44	5.9	9.4	5.9	9.4	35.4	35.3	
2nd	9.59	4.5	7.3	4.5	7.3	45.8	45.8	
1st	12.33	3.5	5.7	3.5	5.7	59.1	59.0	
Reverse1	11.41	3.8	6.1	3.8	6.1	54.6	54.6	
Reverse2	8.88	4.9	7.9	4.9	7.9	42.4	42.3	
Creep @ idle	2nd	9.59	1.5	2.4	1.5	18.0	32.4	
	1st	12.33	1.2	1.9	1.2	23.4	41.8	
	Reverse1	11.41	1.3	2.0	1.3	21.6	38.7	
	Reverse2	8.88	1.6	2.6	1.6	16.6	30.0	
Based on a gross vehicle weight of 95,000 lb (43 091.3kg)								

FuelTank

One 80 gal (302.8L) 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.

Operated by a switch in the carrier cab.

Combined pump capacity of 188 gpm (711.7Lpm)

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
- Sliding rear and right side windows for ventilation
- 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

Right Side Console --- Controls and indicators for:

- Transmission gear shifting
- Transmission digital readout
- Cruise controls
- Engine compression brake controls
- Rear steer axle lock switch
- Rear axle steering switch

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
- Park brake
- Pick & carry switch
- Inter---axle differential lock switch
- 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 2007 Engine Only)
- High exhaust temperature indication (EPA 2007 Engine Only)

Steering Column Controls For:

- Engine ignition
- 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

Axle Loads

Basecrane with full tank of fuel and no counterweight	Gross Vehicle Weight (0)		Front Axles		Rear Axles	
	lb	kg	lb	kg	lb	kg
	80,205	36,380	35,342	16,030	44,863	20,350
Driver in carrier cab	250	113	315	143	---65	---29
Pneumatic and electrical connectors for trailer or boom dolly	13	6	---6	---3	19	8
Carrier aluminum storage box	11	5	---4	---2	15	7
Air ride lift system---rear axles	59	27	28	13	31	14
Ether injection	48	22	0	0	48	22
Air conditioning---carrier	13	6	12	5	1	1
Auxiliary winch with 600 ft (182.9m) of 3/4" (19mm) type "RB" rope	45	20	55	25	---10	---4
Hoist drum follower---auxiliary	69	31	---35	---16	104	47
Substitute 600 ft (182.9m) of rope with 730 ft (222.5m) of rope ---auxiliary	731	332	---239	---108	970	440
Remove 730 ft (222.5m) of rope from rear (main) winch	69	31	---21	---10	90	41
Remove 600 ft (182.9m) of rope from front (auxiliary) winch	163	74	---54	---24	217	98
Upper aluminum storage box	---931	---422	373	169	---1,304	---591
Air conditioner---operator's cab	---768	---348	252	114	---1,020	---463
360° mechanical swing lock	42	19	---4 ---5	---2	46	21
2,500 lb (1,134.0 kg) counterweight tray on upper	179	81	21	9	184	83
3,000 lb (1,360.8 kg) counterweight on upper	140	64	---1,255	---569	119	54
6,000 lb (2,721.6 kg) counterweight on upper	2,544	1,154	---1,471	---667	3,799	1,723
6,000 lb (2,721.6 kg) counterweight on upper	2,981	1,352	---2,961	---1,343	4,452	2,019
12,000 lb (5,443.1 kg) counterweight on upper	6,000	2,722	---2,961	---1,343	8,961	4,065
3,000 lb (1,360.8 kg) top counterweight on upper	6,000	2,722	---5,947	---2,697	8,961	4,065
Floodlight to the front of boom base section	12,050	5,466	---1,485	---674	17,997	8,163
Fly mounting bracket to boom base section for fly options	3,009	1,365	---	3	4,494	2,038
35 ft (10.7m) offsettable, one---piece lattice fly---stowed	7	3	6	62	1	18
35---58 ft (10.7---17.7m) offsettable, two---piece (bi---fold) lattice fly---stowed	176	80	136	698	40	24
Auxiliary lifting sheave	1,591	722	1,539	855	52	171
40 ton (36.3 mt) 4---sheave hook block at front bumper	2,263	1,026	1,886	91	377	---41
60 ton (54.4 mt) 4---sheave hook block at front bumper	---	50	---	712	---90	---304
90 ton (81.6 mt) 6---sheave hook block at front bumper	110	408	200	878	---670	---375
8.5 ton (7.7 mt) hook ball at front bumper	900	503	1,570	1,230	---826	---525
10 ton (9.1 mt) hook ball at front bumper	1,109	705	1,935	285	---1,157	---122
	1,554	163	2,711	459	---268	---196
	360	263	628	---	---	---
	580	---	1,012	---	---	---

Counterweight Load Transfer	Front Axles		Rear Axles	
	lb	kg	lb	kg
Transfer 2,500 lb (1,134.0 kg) counterweight tray to carrier deck	3,194	1,449	---3,194	---1,449
Transfer 3,000 lb (1,360.8 kg) counterweight to carrier deck	3,742	1,697	---3,742	---1,697
Transfer 6,000 lb (2,721.6 kg) counterweight to carrier deck	7,532	3,416	---7,532	---3,416
Transfer 6,000 lb (2,721.6 kg) counterweight to carrier deck	7,532	3,416	---7,532	---3,416
Transfer 12,000 lb (5,443.1 kg) counterweight to carrier deck	15,128	6,862	---15,128	---6,862
Transfer 3,000 lb (1,360.8 kg) top counterweight to carrier deck	3,778	1,714	---3,778	---1,714

Axle	Maximum Load @ 65 mph (105 km/h)
Front	46,400 lb (21,047 kg)---aluminum disc wheels with 445/65R22.5 tires
Rear	51,200 lb (23,224 kg)---aluminum disc wheels with 445/65R22.5 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

5579 (supersedes 5531)---0810---N3TT

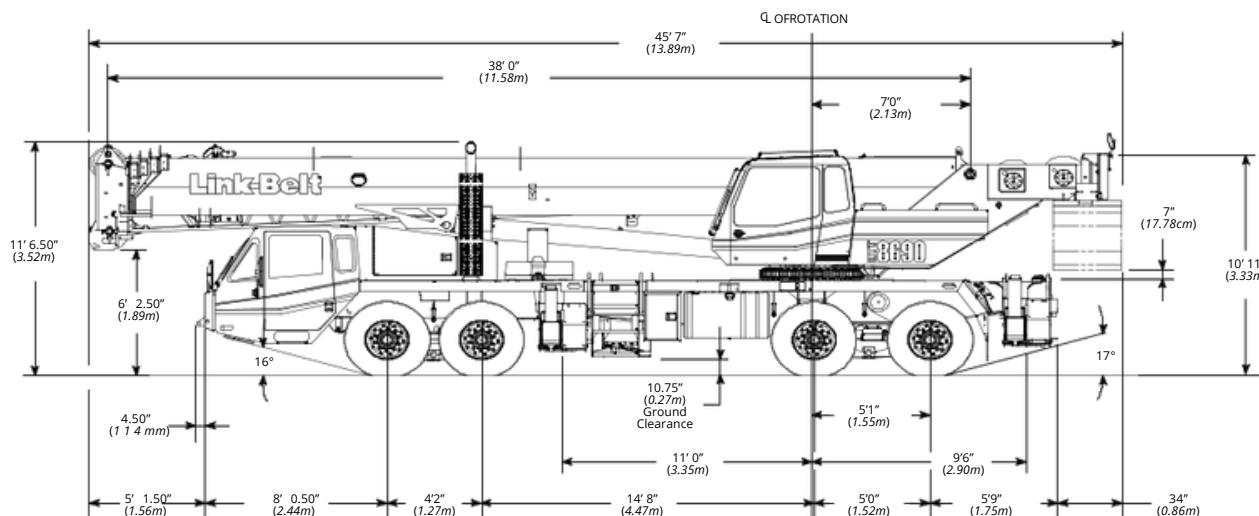
Basecrane with full tank of fuel and no counterweight	Gross Vehicle Weight(1)		Front Axles		Rear Axles		Dolly Axles	
	lb	kg	lb	kg	lb	kg	lb	kg
	80,205	36,380	29,753	13,496	36,267	16,450	14,185	6,434
Nelson 2---axle boom dolly Nelson 3---axle boom dolly Driver in carrier cab	6,000	2722	0	0	2722	0	0	6,000
Rear pintle hook	7,160	3248	0	0	3248	0	0	7,160
Pneumatic and electrical connectors for trailer or boom dolly	250	113	315	143	0	---65	---29	0
Carrier aluminum storage box	13	6	---6	---3	0	19	8	0
Air ride lift system---rear axles	11	5	---4	---2	0	15	7	0
Ether injection	59	27	28	13	0	31	14	0
Air conditioning---carrier Hoist drum follower---main	48	22	0	0	48	22	0	0
Auxiliary winch with 600 ft (182.9m) of 3/4" (19mm) type "RB" rope	13	6	12	5	0	1	1	0
Hoist drum follower---auxiliary	45	20	55	25	0	---10	---4	0
Substitute 600 ft (182.9m) of rope with 730 ft (222.5m) of rope ---auxiliary	69	31	53	24	0	16	7	0
Remove 730 ft (222.5m) of rope from rear (main) winch	731	332	435	197	0	296	134	0
Remove 600 ft (182.9m) of rope from front (auxiliary) winch	69	31	40	18	29	13	0	0
Upper aluminum storage box	163	74	97	44	0	66	30	0
Air conditioner---operator's cab	---931	---422	---623	---282	0	---308	---140	0
360° mechanical swing lock	---768	---348	---458	---208	0	---310	---140	0
2,500 lb (1134.0 kg) counterweight tray on carrier deck	42	19	15	7	0	27	57	0
3,000 lb (1360.8 kg) counterweight on carrier deck	179	81	53	24	0	126	56	0
6,000 lb (2721.6 kg) counterweight on carrier deck	140	64	17	8	0	123	275	0
6,000 lb (2721.6 kg) counterweight on carrier deck	2,544	1154	1,938	879	0	606	322	0
12,000 lb (5443.1 kg) counterweight on carrier deck	2,981	1352	2,271	1030	0	710	648	0
3,000 lb (1360.8 kg) top counterweight on upper	6,000	2722	4,571	2074	0	1,429	648	0
Floodlight to the front of boom base section	6,000	2722	4,571	2074	0	1,429	1301	0
Fly mounting bracket to boom base section for fly options	12,050	5466	9,181	4164	0	2,869	325	0
35 ft (10.7m) offsettable, one---piece lattice fly---stowed	3,009	1365	2,293	1040	2	716	1	5
35---58 ft (10.7---17.7m) offsettable, two---piece (bi---fold) lattice fly---stowed	7	3	1	1	53	14	14	5
Two 16 ft (4.9m) lattice inserts (stowed on 3---axle boom dolly)	176	80	30	14	568	30	77	116
Auxiliary lifting sheave	1,591	722	168	76	718	170	155	1,253
40 ton (36.3 mt) 4---sheave hook block at boom head	2,263	1026	339	154	718	342	0	1,583
60 ton (54.4 mt) 4---sheave hook block at boom head			0	0	67	0	---9	1,584
90 ton (81.6 mt) 6---sheave hook block at boom head	1,584	718		---9	530	---19	---61	149
8.5 ton (7.7 mt) hook ball at boom head	110	50	---19	---61	654	---135	---76	1,169
10 ton (9.1 mt) hook ball at boom head	900	408	---134	---75	916	---167		1,441
	1,109	503	---165	105	342	---233	106	2,019
	1,554	705	---231	---105				
	360	163	--	--	--	--		468
	580	263	-54-	-24	-54-	-25		754

Counterweight Load Transfer	Front Axles		Rear Axles		Dolly Axles	
	lb	kg	lb	kg	lb	kg
Transfer 3,000 lb (1360.8 kg) counterweight to the boom dolly	---2,271	---1030	---710	---322	2,981	1352
Transfer 6,000 lb (2721.6 kg) counterweight to the boom dolly	---4,571	---2074	---1,429	---648	6,000	2722
Transfer 6,000 lb (2721.6 kg) counterweight to the boom dolly	---4,571	---2074	---1,429	---648	6,000	2722
Transfer 12,000 lb (5443.1 kg) counterweight to the boom dolly	---9,181	---4164	---2,869	---1301	12,050	5466
Transfer 3,000 lb (1360.8 kg) top counterweight to the boom dolly	---2,293	---1040	---716	---325	3,009	1365

Axle	Maximum Load @ 65 mph (105 km/h)
Front	46,400 lb (21047 kg)---aluminum disc wheels with 445/65R22.5 tires
Rear	51,200 lb (23224 kg)---aluminum disc wheels with 445/65R22.5 tires

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

General Dimensions

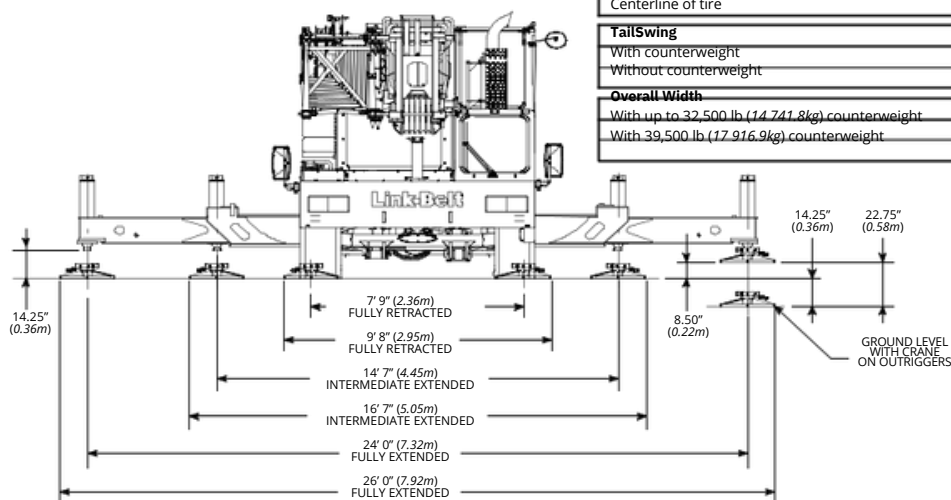


Turning Radius --- Front Wheel (8x4) Steering			English	Me tri c
Wall to wall over carrier			48' 4"	14.7m
Wall to wall over boom			49' 2"	15.0m
Wall to wall over boom attachment			51' 0"	15.5m
Curb to curb			44' 1"	13.4m
Centerline of tire			43' 4"	13.2m

Turning Radius --- All Wheel (8x8) Steering			English	Me tri c
Wall to wall over carrier			32' 9"	10.0m
Wall to wall over boom			34' 1"	10.4m
Wall to wall over boom attachment			35' 8"	10.9m
Curb to curb			28' 4"	8.6m
Centerline of tire			27' 7"	8.4m

Tail Swing			English	Me tri c
With counterweight			13' 8"	4.2m
Without counterweight			13' 1"	4.0m

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

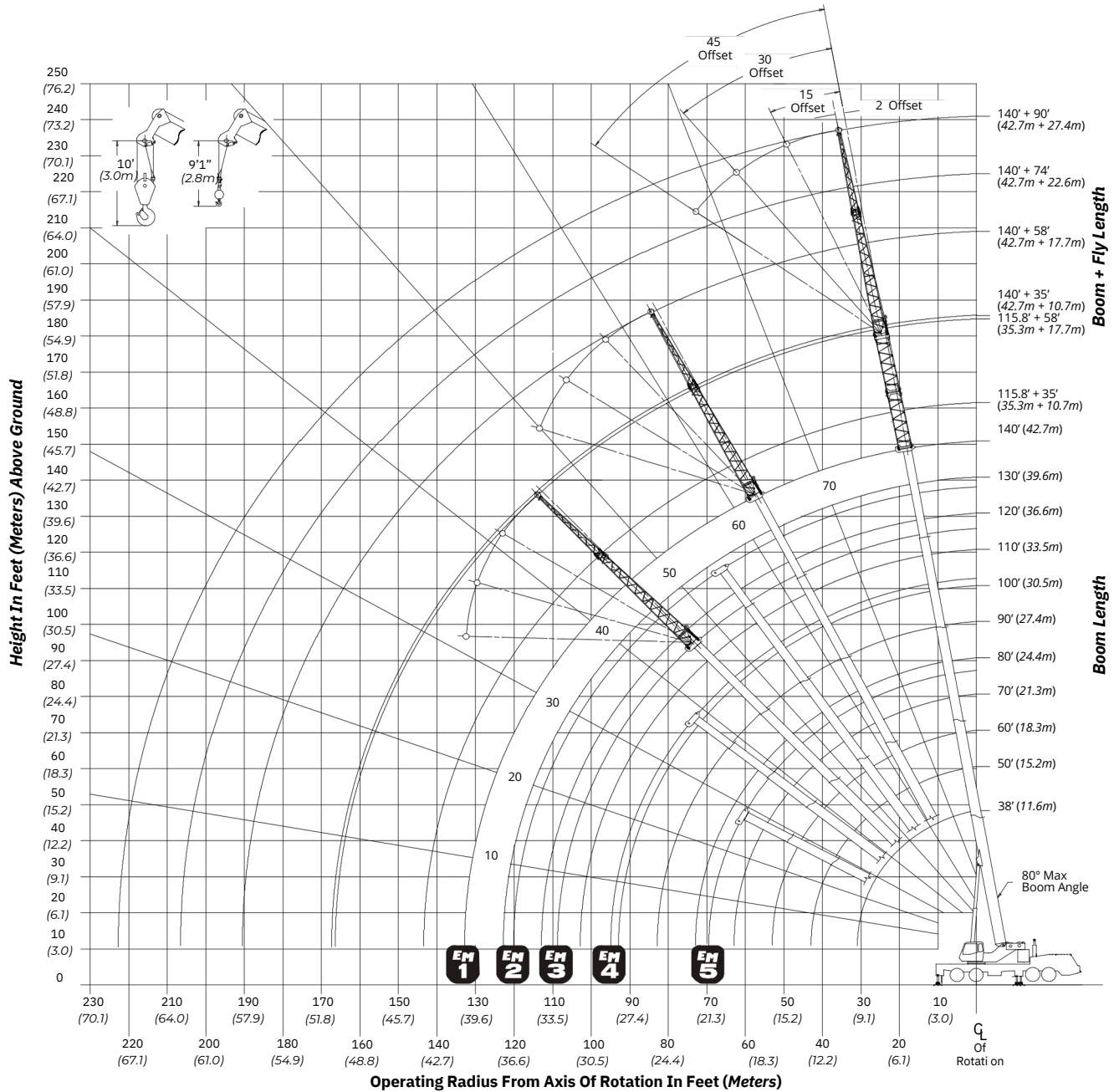


Not To Scale



Working Range Diagram

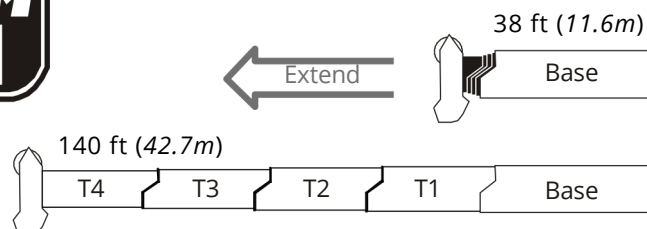
5579 (supersedes 5531)---0810---N3TT



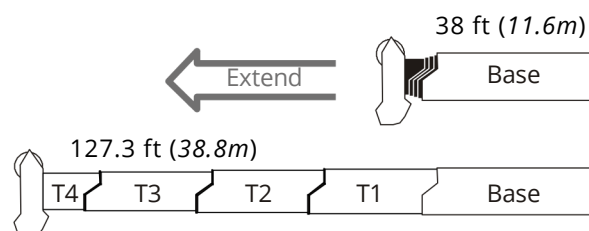


Boom Extend Modes

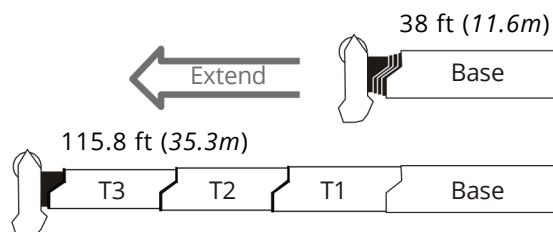
Boom Length		Section Length			
ft	m	T4	T3	T2	T1
50	15.2	50%			
60	18.3	91%			
70	21.3	100%	31%		
80	24.4	100%	71%		
90	27.4	100%	100%	11%	
100	30.5	100%	100%	49%	
110	33.5	100%	100%	88%	
120	36.6	100%	100%	100%	25%
130	39.6	100%	100%	100%	63%
140	42.7	100%	100%	100%	100%



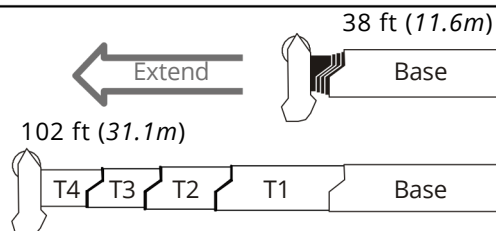
Boom Length		Section Length			
mft		T4	T3	T2	T1
15.20		48%	2%		
18.60		48%	42%		
21.70		48%	82%		
24.80		48%	100%	21%	
27.90		48%	100%	60%	
30.100		48%	100%	98%	
33.150		48%	100%	100%	35%
36.120		48%	100%	100%	73%
127.3	38.8	48%	100%	100%	100%



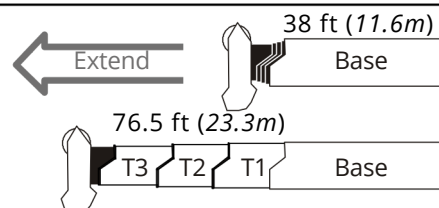
Boom Length		Section Length			
mft		T4	T3	T2	T1
15.20		0%	48%		
18.60		0%	88%		
21.70		0%	100%	27%	
24.80		0%	100%	65%	
27.90		0%	100%	100%	4%
30.150		0%	100%	100%	41%
115.8	35.3	0%	100%	100%	100%



Boom Length		Section Length			
ft	m	T4	T3	T2	T1
50	15.2	48%	2%		
60	18.3	48%	42%		
70	21.3	48%	51%	30%	
80	24.4	48%	51%	50%	18%
90	27.4	48%	51%	50%	55%
102	31.1	48%	51%	50%	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%	50%	48%





14 Main Boom Lift Capacity Charts -- Standard

5579 (supersedes 5531)---0810---N3TT

8,500 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	164,400*											9
10	154,600*	152,100*	117,900	89,700								10
12	129,300*	131,300*	108,800	85,000	85,100* *							12
15	102,500	104,600	104,900	78,800	78,400* *	57,700						15
20	74,700	77,000	77,400	70,300	76,500* *	56,200	49,100	42,500				20
25	54,700	57,900	59,400	60,100	59,700	55,300	45,800	42,500	33,700	29,700		25
30	39,600	43,300	44,400	44,600	44,300	43,800	43,200	38,300	31,200	29,400	24,400	30
35		33,100	34,100	34,900	34,100	35,000	33,500	34,500	30,900	29,100	24,100	35
40		26,100	27,200	27,900	28,100	28,000	28,000	27,500	28,100	26,900	24,000	40
45			22,800	23,500	23,900	23,300	24,000	23,800	23,500	23,100	22,700	45
50			18,900	19,600	20,000	20,200	20,100	19,900	19,600	19,100	18,800	50
55				16,500	16,900	17,100	16,900	16,800	16,400	16,000	15,700	55
60				14,000	14,400	14,600	14,500	14,300	14,000	13,600	13,200	60
65					12,500	12,700	12,500	12,400	12,100	11,700	11,400	65
70					10,800	11,000	10,900	10,800	10,400	10,100	9,700	70
75						9,600	9,500	9,400	9,100	8,700	8,400	75
80						8,400	8,300	8,200	7,900	7,500	7,200	80
85							7,300	7,200	6,800	6,500	6,200	85
90							6,300	6,300	6,000	5,600	5,300	90
95								5,500	5,200	4,800	4,500	95
100								4,800	4,500	4,100	3,800	100
105									3,900	3,500	3,200	105
110									3,300	3,000	2,700	110
115										2,500	2,200	115
120										2,000	1,700	120
125											1,300	125
130											900	130

* Special Conditions Or Wire Rope Required
** 76.5EM5mode

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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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	
10	24,300							10
12	21,700	23,100						12
15	18,400	19,900	20,700					15
20	14,000	15,700	16,600	17,000				20
25	10,600	12,500	13,400	13,900	13,600			25
30	7,900	10,000	11,000	11,500	11,800	10,800	8,300	30
35		7,900	9,000	9,500	9,800	10,000	8,300	35
40		6,200	7,300	7,900	8,200	8,400	8,300	40
45			5,800	6,400	6,700	6,900	6,900	45
50			4,400	5,000	5,400	5,600	5,500	50
55				3,900	4,200	4,400	4,400	55
60				2,900	3,300	3,500	3,400	60
65					2,500	2,700	2,700	65
70					1,900	2,100	2,000	70
75						1,500	1,400	75
80						1,000	900	80

8,500 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	
10	13,700							10
12	11,700	12,700						12
15	9,400	10,900	11,600					15
20	6,200	7,900	8,800	9,200				20
25	3,800	5,700	6,600	7,100	7,400			25
30	1,800	3,900	4,900	5,400	5,700	5,800	5,800	30
35		2,400	3,400	4,000	4,300	4,500	4,400	35
40		1,200	2,300	2,800	3,200	3,300	3,300	40
45			1,300	1,900	2,200	2,400	2,300	45
50				1,000	1,400	1,600	1,500	50
55					700	900	800	55

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)												
Radius (ft)	Boom Length (ft)											Radius (ft)
	38	50	60	70	76.5/80	90	100	110	120	130	140	
9	165,000*											9
10	155,400*	152,100*	117,900	89,700								10
12	131,900*	133,900*	108,800	85,000	85,100* *							12
15	104,600	106,700	106,500	78,800	78,400* *	57,700						15
20	76,400	78,600	79,000	70,300	76,500* *	56,200	49,100	42,500				20
25	57,800	61,000	61,500	63,000	62,700	55,300	45,800	42,500	33,700	29,700		25
30	42,300	46,000	47,100	47,300	47,000	46,500	45,200	38,300	31,200	29,400	24,400	30
35		35,300	36,300	36,500	36,300	36,200	35,700	35,100	30,900	29,100	24,100	35
40		27,900	29,000	29,700	29,900	29,900	29,800	29,300	28,800	28,700	24,000	40
45			23,900	24,500	25,100	24,700	24,900	25,400	25,000	24,600	23,800	45
50			20,300	21,100	21,500	21,400	21,500	21,400	21,000	20,600	20,300	50
55				17,900	18,300	18,500	18,400	18,200	17,900	17,500	17,100	55
60				15,300	15,700	15,900	15,700	15,600	15,300	14,900	14,500	60
65					13,600	13,700	13,600	13,500	13,100	12,700	12,500	65
70					11,800	12,100	11,900	11,800	11,500	11,100	10,800	70
75						10,600	10,500	10,400	10,000	9,700	9,300	75
80						9,300	9,200	9,100	8,800	8,400	8,100	80
85							8,100	8,000	7,700	7,300	7,000	85
90							7,100	7,100	6,700	6,400	6,100	90
95								6,200	5,900	5,600	5,200	95
100								5,500	5,200	4,800	4,500	100
105									4,500	4,200	3,900	105
110									3,900	3,600	3,300	110
115										3,100	2,800	115
120										2,600	2,300	120
125											1,800	125
130											1,400	130
* Special Conditions Or Wire Rope Required												
** 76.5EM5mode												

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 -- 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	
10	23,700							10
12	21,200	22,500						12
15	17,900	19,400	20,200					15
20	13,600	15,300	16,200	16,600				20
25	10,300	12,200	13,100	13,500	13,800			25
30	7,600	9,700	10,700	11,200	11,500	11,700	9,400	30
35		7,700	8,700	9,200	9,600	9,700	9,400	35
40		6,000	7,100	7,600	8,000	8,100	8,100	40
45			5,700	6,300	6,600	6,800	6,800	45
50			4,600	5,100	5,500	5,700	5,600	50
55				4,100	4,500	4,700	4,600	55
60				3,300	3,700	3,800	3,800	60
65					2,900	3,100	3,100	65
70					2,300	2,400	2,400	70
75						1,900	1,800	75
80						1,300	1,300	80

11,500 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	
10	13,200							10
12	11,500	12,900						12
15	8,900	10,400	11,900					15
20	5,800	7,600	8,400	8,800				20
25	3,400	5,300	6,300	6,700	7,000			25
30	1,500	3,600	4,600	5,100	5,400	5,500	5,500	30
35		2,100	3,200	3,700	4,000	4,200	4,100	35
40		900	2,000	2,600	2,900	3,100	3,000	40
45			1,100	1,600	2,000	2,200	2,100	45
50				800	1,200	1,400	1,300	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.



14,500 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	
10	23,000							10
12	20,700	21,900						12
15	17,500	19,000	19,700					15
20	13,200	14,900	15,800	16,200				20
25	10,000	11,900	12,800	13,200	13,500			25
30	7,300	9,400	10,400	10,900	11,200	11,400	9,400	30
35		7,400	8,500	9,000	9,300	9,500	9,400	35
40		5,800	6,900	7,400	7,700	7,900	7,900	40
45			5,500	6,100	6,400	6,600	6,500	45
50			4,400	4,900	5,300	5,500	5,400	50
55				4,000	4,300	4,500	4,500	55
60				3,100	3,500	3,700	3,600	60
65					2,700	2,900	2,900	65
70					2,100	2,300	2,200	70
75						1,700	1,700	75
80						1,200	1,100	80

14,500 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	
10	12,700							10
12	10,900	12,400						12
15	8,600	10,200	11,000					15
20	5,400	7,100	8,500	8,800				20
25	3,100	5,000	5,900	6,300	6,600			25
30	1,200	3,300	4,300	4,800	5,100	5,200	5,200	30
35		1,900	2,900	3,400	3,800	3,900	3,900	35
40			1,800	2,300	2,700	2,800	2,800	40
45			900	1,400	1,800	1,900	1,900	45
50					1,000	1,200	1,100	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.



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	
8	180,000*											8
9	167,100*											9
10	158,300*	152,100*	117,900	89,700								10
12	142,700*	138,700*	108,800	85,000	85,100* **							12
15	119,300	121,400	106,500	78,800	78,400* **	57,700						15
20	87,600	89,800	90,200	70,300	76,500* **	56,200	49,100	42,500				20
25	68,000	70,300	70,800	63,600	70,300* **	55,300	45,800	42,500	33,700	29,700		25
30	54,700	57,100	57,600	58,100	58,700	54,500	45,200	38,300	31,200	29,400	24,400	30
35		47,500	49,100	49,400	49,200	48,800	42,500	35,500	30,900	29,100	24,100	35
40		40,500	41,600	41,800	41,600	41,100	38,200	33,400	30,600	28,800	24,000	40
45			34,600	34,900	34,600	34,200	33,700	30,300	29,900	28,600	23,800	45
50			29,300	29,600	29,400	28,900	28,800	27,900	27,800	26,800	23,700	50
55				25,500	25,300	26,000	24,800	24,700	25,300	24,800	23,600	55
60				22,500	22,400	22,800	21,500	22,300	22,000	21,900	22,100	60
65					20,000	20,100	20,000	19,600	19,300	20,000	19,600	65
70					17,700	17,800	17,800	17,700	18,100	17,700	17,400	70
75						15,800	16,500	16,500	16,200	15,800	15,500	75
80						14,200	14,900	14,800	14,500	14,100	13,800	80
85							13,500	13,400	13,100	12,700	12,500	85
90							12,200	12,200	11,900	11,600	11,300	90
95								11,100	10,800	10,500	10,200	95
100								10,100	9,800	9,500	9,200	100
105									8,900	8,600	8,300	105
110									8,100	7,800	7,500	110
115										7,100	6,800	115
120										6,400	6,100	120
125											5,500	125
130											5,000	130

* Special Conditions Or Wire Rope Required

** 76.5EM5mode

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)												
Radius (ft)	Boom Length (ft)											Radius (ft)
	38	50	60	70	76.5/80	90	100	110	120	130	140	
8	180,000*											8
9	167,600*											9
10	158,800*	152,100*	117,900	89,700								10
12	143,600*	138,700*	108,800	85,000	85,100* **							12
15	123,700	122,600	106,500	78,800	78,400* **	57,700						15
20	91,300	93,500	93,800	70,300	76,500* **	56,200	49,100	42,500				20
25	71,000	73,300	73,800	63,600	73,300* **	55,300	45,800	42,500	33,700	29,700		25
30	57,200	59,600	60,100	58,100	61,100	54,500	45,200	38,300	31,200	29,400	24,400	30
35		49,700	50,300	51,400	51,200	50,900	42,500	35,500	30,900	29,100	24,100	35
40		42,200	43,700	44,000	43,800	43,400	38,200	33,400	30,600	28,800	24,000	40
45			37,900	38,200	38,100	37,700	34,600	30,300	29,900	28,600	23,800	45
50			32,400	32,700	32,500	32,000	31,500	27,900	27,800	26,800	23,700	50
55				28,200	28,000	27,600	27,300	25,600	25,800	24,800	23,600	55
60				24,600	24,500	24,100	24,100	23,600	24,200	23,000	22,100	60
65					21,500	22,300	21,100	21,400	21,600	21,300	20,600	65
70					19,700	19,900	18,700	19,500	19,100	19,200	19,200	70
75						17,700	17,500	17,400	17,000	17,700	17,400	75
80						16,000	16,000	15,600	15,900	15,900	15,600	80
85							14,600	14,600	14,800	14,400	14,100	85
90							13,800	13,700	13,400	13,000	12,700	90
95								12,500	12,300	11,900	11,600	95
100								11,500	11,200	10,900	10,600	100
105									10,200	9,900	9,600	105
110									9,400	9,000	8,800	110
115										8,300	8,000	115
120										7,500	7,300	120
125											6,600	125
130											6,000	130

* Special Conditions Or Wire Rope Required
** 76.5EM5mode

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.

Fly Attachment Lift Capacity Charts -- Optional

8,500 lb Counterweight -- Fully Extended Outriggers -- 360° Rotation (All Capacities Are Listed In Pounds)					
140ftMainBoomLength 2°FlyOffset			140ftMainBoomLength 15°FlyOffset		
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	8,500	45	11,500	
50	12,100	8,400	50	11,400	
55	12,100	8,300	55	11,200	
60	12,100	8,100	60	11,000	7,200
65	11,900	8,000	65	10,800	7,000
70	10,400	7,800	70	10,600	6,800
75	9,000	7,700	75	9,700	6,700
80	7,800	7,500	80	8,500	6,500
85	6,800	7,300	85	7,400	6,300
90	5,900	6,400	90	6,400	6,200
95	5,100	5,600	95	5,600	6,000
100	4,400	4,900	100	4,800	5,600
105	3,700	4,200	105	4,200	4,900
110	3,200	3,600	110	3,600	4,300
115	2,700	3,100	115	3,000	3,700
120	2,200	2,600	120	2,500	3,200
125	1,800	2,200	125	2,100	2,700
130	1,400	1,800	130	1,700	2,300
135	1,100	1,500	135	1,300	1,900
140			140	900	1,500
145			145		1,200

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 -- Fully Extended Outriggers -- 360° Rotation (All Capacities Are Listed In Pounds)					
140ftMainBoomLength 30°FlyOffset			140ftMainBoomLength 45°FlyOffset		
Radius (ft)	Fly Length (ft)		Radius (ft)	Fly Length (ft)	
	35	58		35	58
35			35		
40			40		
45			45		
50			50		
55			55		
60	10,000		60		
65	9,800		65		
70	9,700		70	8,800	
75	9,500		75	8,800	
80	9,400	5,700	80	8,700	
85	9,100	5,600	85	8,600	
90	8,000	5,500	90	8,400	4,900
95	7,000	5,400	95	7,400	4,900
100	6,100	5,300	100	6,400	4,800
105	5,300	5,200	105	5,600	4,800
110	4,600	5,100	110	4,800	4,700
115	3,900	4,900	115	4,200	4,700
120	3,300	4,300	120	3,500	4,700
125	2,800	3,700	125	3,000	4,100
130	2,300	3,200	130	2,500	3,600
135	1,900	2,700	135	2,000	3,100
140	1,500	2,300	140	1,500	2,600
145	1,100	1,900	145		2,100
150		1,500	150		1,700
155		1,200	155		1,300
					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 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)							
140ftMainBoomLength 2°FlyOffset				140ftMainBoomLength 15°FlyOffset			
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	8,500		45	11,500		
50	12,100	8,400	6,600	50	11,400		
55	12,100	8,300	6,600	55	11,200		
60	12,100	8,100	6,600	60	11,000	7,200	
65	11,900	8,000	6,600	65	10,800	7,000	6,300
70	11,500	7,800	6,600	70	10,600	6,800	6,000
75	10,000	7,700	6,600	75	10,400	6,700	5,700
80	8,700	7,500	6,400	80	9,400	6,500	5,400
85	7,600	7,300	6,000	85	8,200	6,300	5,100
90	6,700	7,100	5,700	90	7,200	6,200	4,900
95	5,800	6,300	5,400	95	6,300	6,000	4,600
100	5,100	5,500	5,100	100	5,500	5,900	4,400
105	4,400	4,900	4,800	105	4,800	5,600	4,200
110	3,800	4,300	4,200	110	4,200	4,900	4,100
115	3,300	3,700	3,600	115	3,600	4,300	3,900
120	2,800	3,200	3,100	120	3,100	3,800	3,600
125	2,300	2,800	2,700	125	2,600	3,300	3,100
130	1,900	2,300	2,200	130	2,200	2,800	2,700
135	1,600	2,000	1,900	135	1,800	2,400	2,300
140	1,200	1,600	1,500	140	1,400	2,000	1,900
145	900	1,300	1,200	145	1,100	1,700	1,500
				150		1,300	1,200
				155		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 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)							
140ftMainBoomLength 30°FlyOffset				140ftMainBoomLength 45°FlyOffset			
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	8,800		
70	9,500			70	8,800		
75	9,400	5,700	4,600	75	8,700		
80	9,200	5,600	4,400	80	8,600		
85	8,800	5,500	4,200	85	8,600		
90	7,700	5,400	4,100	90	8,600	4,900	3,700
95	6,800	5,300	3,900	95	8,100	4,900	3,500
100	6,000	5,200	3,700	100	7,200	4,800	3,400
105	5,200	5,100	3,600	105	6,300	4,800	3,300
110	4,500	5,000	3,500	110	5,500	4,700	3,200
115	3,900	4,900	3,300	115	4,800	4,700	3,100
120	3,400	4,300	3,200	120	4,100	4,700	3,000
125	2,900	3,800	3,100	125	3,500	4,600	2,900
130	2,400	3,300	3,000	130	3,000	4,100	2,800
135	2,000	2,800	2,700	135	2,500	3,600	2,700
140	1,600	2,400	2,300	140	2,000	3,100	2,700
145	1,200	2,000	1,900	145		2,600	2,600
150	900	1,600	1,600	150		2,200	2,200
155		1,300	1,200	155		1,800	1,800
160		1,000	900	160		1,400	1,400
				165		1,000	1,100
							800

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)									
140ftMainBoomLength 2°FlyOffset					140ftMainBoomLength 15°FlyOffset				
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	8,500			45	11,500			
50	12,100	8,400	6,600		50	11,400			
55	12,100	8,300	6,600	5,200	55	11,200			
60	12,100	8,100	6,600	5,200	60	11,000	7,200		
65	11,900	8,000	6,600	5,200	65	10,800	7,000	6,300	
70	11,700	7,800	6,600	5,200	70	10,600	6,800	6,000	4,800
75	11,500	7,700	6,600	5,100	75	10,400	6,700	5,700	4,500
80	11,300	7,500	6,400	4,800	80	10,200	6,500	5,400	4,200
85	11,000	7,300	6,000	4,500	85	10,000	6,300	5,100	4,000
90	10,500	7,100	5,700	4,200	90	9,700	6,200	4,900	3,700
95	10,100	6,900	5,400	4,000	95	9,400	6,000	4,600	3,500
100	9,700	6,700	5,100	3,700	100	9,000	5,900	4,400	3,300
105	8,800	6,500	4,900	3,500	105	8,700	5,700	4,200	3,100
110	8,000	6,300	4,700	3,300	110	8,400	5,600	4,100	3,000
115	7,300	6,000	4,500	3,200	115	7,600	5,500	3,900	2,800
120	6,600	5,800	4,300	3,000	120	6,900	5,300	3,700	2,700
125	6,000	5,600	4,100	2,800	125	6,300	5,100	3,600	2,500
130	5,500	5,300	3,900	2,700	130	5,700	4,900	3,500	2,400
135	5,000	5,200	3,800	2,500	135	5,200	4,700	3,300	2,300
140	4,500	4,900	3,600	2,400	140	4,700	4,600	3,200	2,200
145	4,100	4,400	3,500	2,300	145	4,200	4,400	3,100	2,100
150	3,700	4,000	3,400	2,200	150	3,800	4,300	3,000	2,000
155	3,300	3,700	3,200	2,100	155	3,400	4,000	2,900	1,900
160	2,900	3,300	3,100	2,000	160	3,000	3,600	2,900	1,800
165	2,500	2,900	2,700	1,900	165	2,600	3,200	2,800	1,700
170		2,600	2,400	1,800	170		2,800	2,700	1,600
175		2,300	2,100	1,800	175		2,500	2,300	1,600
180		2,000	1,800	1,700	180		2,100	2,000	1,500
185		1,700	1,500	1,400	185		1,800	1,700	1,500
190			1,200	1,200	190			1,400	1,400
195			1,000	900	195			1,100	1,100
200			800		200			800	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.

32,500 lb Counterweight -- Fully Extended Outriggers -- 360° Rotation (All Capacities Are Listed In Pounds)									
140ftMainBoomLength 30°FlyOffset					140ftMainBoomLength 45°FlyOffset				
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	8,800			
75	9,400	5,700	4,600		75	8,700			
80	9,200	5,600	4,400	3,600	80	8,600			
85	9,100	5,500	4,200	3,400	85	8,600	4,900	3,700	
90	9,000	5,400	4,100	3,200	90	8,500	4,900	3,500	2,900
95	8,800	5,300	3,900	3,000	95	8,400	4,800	3,400	2,700
100	8,500	5,200	3,700	2,900	100	8,200	4,800	3,300	2,600
105	8,200	5,100	3,600	2,700	105	8,000	4,700	3,200	2,400
110	8,000	5,000	3,500	2,600	110	7,800	4,700	3,100	2,300
115	7,700	4,900	3,300	2,400	115	7,600	4,700	3,000	2,200
120	7,200	4,800	3,200	2,300	120	7,400	4,600	2,900	2,100
125	6,500	4,700	3,100	2,200	125	6,700	4,500	2,800	2,000
130	5,900	4,500	3,000	2,100	130	6,000	4,400	2,700	1,900
135	5,400	4,400	2,900	2,000	135	5,400	4,300	2,700	1,800
140	4,800	4,300	2,800	1,900	140		4,200	2,600	1,800
145	4,400	4,200	2,800	1,800	145		4,100	2,600	1,700
150	3,900	4,100	2,700	1,700	150		4,000	2,500	1,600
155	3,500	4,000	2,600	1,700	155		4,000	2,500	1,600
160		3,800	2,600	1,600	160		3,900	2,500	1,500
165		3,400	2,500	1,500	165			2,500	1,500
170		3,000	2,500	1,500	170			2,500	1,400
175		2,600	2,500	1,400	175			2,500	1,400
180		2,200	2,200	1,400	180				1,400
185			1,800	1,400	185				1,400
190			1,500	1,300	190				1,400
195			1,200	1,300					
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 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.

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39,500 lb Counterweight -- Fully Extended Outriggers -- 360° Rotation (All Capacities Are Listed In Pounds)									
140ftMainBoomLength 2°FlyOffset					140ftMainBoomLength 15°FlyOffset				
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	8,500			45	11,500			
50	12,100	8,400	6,600		50	11,400			
55	12,100	8,300	6,600	5,200	55	11,200			
60	12,100	8,100	6,600	5,200	60	11,000	7,200		
65	11,900	8,000	6,600	5,200	65	10,800	7,000	6,300	
70	11,700	7,800	6,600	5,200	70	10,600	6,800	6,000	4,800
75	11,500	7,700	6,600	5,100	75	10,400	6,700	5,700	4,500
80	11,300	7,500	6,400	4,800	80	10,200	6,500	5,400	4,200
85	11,000	7,300	6,000	4,500	85	10,000	6,300	5,100	4,000
90	10,500	7,100	5,700	4,200	90	9,700	6,200	4,900	3,700
95	10,100	6,900	5,400	4,000	95	9,400	6,000	4,600	3,500
100	9,700	6,700	5,100	3,700	100	9,000	5,900	4,400	3,300
105	9,300	6,500	4,900	3,500	105	8,700	5,700	4,200	3,100
110	8,900	6,300	4,700	3,300	110	8,400	5,600	4,100	3,000
115	8,500	6,000	4,500	3,200	115	8,100	5,500	3,900	2,800
120	7,800	5,800	4,300	3,000	120	7,900	5,300	3,700	2,700
125	7,100	5,600	4,100	2,800	125	7,400	5,100	3,600	2,500
130	6,500	5,300	3,900	2,700	130	6,800	4,900	3,500	2,400
135	6,000	5,200	3,800	2,500	135	6,200	4,700	3,300	2,300
140	5,500	5,000	3,600	2,400	140	5,700	4,600	3,200	2,200
145	5,000	4,800	3,500	2,300	145	5,200	4,400	3,100	2,100
150	4,500	4,700	3,400	2,200	150	4,700	4,300	3,000	2,000
155	4,100	4,500	3,200	2,100	155	4,300	4,200	2,900	1,900
160	3,700	4,100	3,100	2,000	160	3,800	4,100	2,900	1,800
165	3,400	3,700	3,100	1,900	165	3,400	4,000	2,800	1,700
170		3,400	3,000	1,800	170		3,600	2,700	1,600
175		3,000	2,800	1,800	175		3,200	2,700	1,600
180		2,700	2,500	1,700	180		2,900	2,600	1,500
185		2,400	2,200	1,600	185		2,500	2,400	1,500
190			1,900	1,600	190			2,100	1,400
195			1,700	1,500	195			1,800	1,400
200			1,400	1,300	200			1,500	1,400
205				1,100	205				1,300
210				900	210				1,000
					215				800

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)									
140ftMainBoomLength 30°FlyOffset					140ftMainBoomLength 45°FlyOffset				
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	8,800			
75	9,400	5,700	4,600		75	8,700			
80	9,200	5,600	4,400	3,600	80	8,600			
85	9,100	5,500	4,200	3,400	85	8,600	4,900	3,700	
90	9,000	5,400	4,100	3,200	90	8,500	4,900	3,500	2,900
95	8,800	5,300	3,900	3,000	95	8,400	4,800	3,400	2,700
100	8,500	5,200	3,700	2,900	100	8,200	4,800	3,300	2,600
105	8,200	5,100	3,600	2,700	105	8,000	4,700	3,200	2,400
110	8,000	5,000	3,500	2,600	110	7,800	4,700	3,100	2,300
115	7,700	4,900	3,300	2,400	115	7,600	4,700	3,000	2,200
120	7,500	4,800	3,200	2,300	120	7,400	4,600	2,900	2,100
125	7,300	4,700	3,100	2,200	125	7,200	4,500	2,800	2,000
130	7,000	4,500	3,000	2,100	130	7,100	4,400	2,700	1,900
135	6,400	4,400	2,900	2,000	135	6,400	4,300	2,700	1,800
140	5,800	4,300	2,800	1,900	140		4,200	2,600	1,800
145	5,300	4,200	2,800	1,800	145		4,100	2,600	1,700
150	4,800	4,100	2,700	1,700	150		4,000	2,500	1,600
155	4,300	4,000	2,600	1,700	155		4,000	2,500	1,600
160		3,900	2,600	1,600	160		4,000	2,500	1,500
165		3,900	2,500	1,500	165		4,000	2,500	1,500
170		3,700	2,500	1,500	170			2,500	1,400
175		3,300	2,500	1,400	175			2,500	1,400
180		2,900	2,500	1,400	180				1,400
185			2,500	1,400	185				1,400
190			2,200	1,300	190				1,400
195			1,900	1,300					
200				1,300					
205				1,300					
210				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 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.

Main Boom Lift Capacity Charts -- Optional (Metric)

3 856kg 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	70800*	69550*	53450	40 850								3
3.5	61350*	62250*	50350	39 100								3.5
4	53500	54450	48900	37 450	37 400							4
4.5	47250	48250	48350	35 950	35 750	26 150						4.5
5	42200	43200	43400	34 600	35 250	26 150						5
6	34500	35550	35750	32 150	34 700	25 450	22 250	19 250				6
7	26600	27850	28200	28 850	28 700	25 200	21 150	19 250				7
8	20500	22000	22450	22 550	22 450	22 200	20 650	18 800	14 950	13 400		8
9	16350	17800	18250	18 500	18 200	18 150	17 950	17 550	14 200	13 300	11 050	9
10		14850	15250	15 550	15 600	15 600	15 600	15 400	14 050	13 200	10 950	10
12		10750	11450	11 700	11 850	11 700	11 850	11 800	11 650	11 500	10 850	12
14			8800	9100	9250	9300	9250	9200	9050	8900	8750	14
16			6850	7150	7350	7400	7350	7300	7150	6950	6850	16
18				5800	5950	6000	5950	5900	5750	5650	5500	18
20					4900	4950	4900	4850	4750	4600	4450	20
22					4050	4150	4100	4050	3900	3750	3650	22
24						3450	3400	3400	3250	3100	2950	24
26							2850	2850	2700	2550	2450	26
28							2400	2400	2250	2100	2000	28
30								2000	1850	1700	1600	30
32								800	1550	1400	1250	32
34									1250	1100	1000	34
36										850	750	36
38											500	38
40											350	40
* 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.



3 856kg 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	11 000							3
3.5	10 150	10 450						3.5
4	9250	9900						4
4.5	8450	9100	9350					4.5
5	7700	8450	8800					5
6	6450	7200	7600	7700				6
7	5400	6200	6600	6800				7
8	4500	5350	5800	6000	6100			8
9	3650	4600	5100	5300	5450	4850	3750	9
10		3800	4300	4550	4700	4800	3750	10
12		2550	3050	3300	3450	3500	3500	12
14			2150	2400	2500	2600	2600	14
16			1500	1700	1850	1950	1900	16
18				1200	1350	1450	1400	18
20					950	1000	1000	20
22					650	700	650	22
24						450	400	24

3 856kg 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	6200							3
3.5	5500	5750						3.5
4	4900	5500						4
4.5	4300	5000	5250					4.5
5	3800	4550	4900					5
6	2900	3650	4050	4150				6
7	2100	2950	3350	3600				7
8	1450	2350	2800	3000	3150			8
9	900	1800	2250	2500	2650	2600	2600	9
10		1350	1850	2050	2200	2300	2250	10
12		600	1100	1350	1500	1550	1550	12
14			500	750	900	1000	1000	14
16					450	550	550	16

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 216kg 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	71100*	69550*	53450	40 850								3
3.5	62600*	63450*	50350	39 100								3.5
4	54600	55550	48900	37 450	37 400							4
4.5	48250	49200	48350	35 950	35 750	26 150						4.5
5	43100	44100	44250	34 600	35 250	26 150						5
6	35250	36250	36450	32 150	34 700	25 450	22 250	19 250				6
7	28250	29450	29700	30 000	29 400	25 200	21 150	19 250				7
8	21800	23300	23750	23 850	23 700	23 450	20 650	18 800	14 950	13 400		8
9	17450	18900	19350	19 450	19 300	19 100	19 050	17 550	14 200	13 300	11 050	9
10		15800	16200	16 500	16 150	16 550	15 950	16 300	14 050	13 200	10 950	10
12		11500	12000	12 200	12 600	12 250	12 450	12 350	12 350	11 800	10 850	12
14			9400	9700	9850	9900	9850	9800	9650	9500	9350	14
16			7450	7750	7900	8000	7950	7900	7750	7600	7450	16
18				6300	6450	6500	6450	6400	6250	6100	5950	18
20					5350	5400	5400	5350	5200	5050	4900	20
22					4450	4550	4500	4450	4350	4150	4050	22
24						3850	3800	3750	3600	3450	3350	24
26							3200	3150	3050	2900	2750	26
28							2700	2700	2550	2400	2300	28
30								2250	2150	2000	1900	30
32								1050	1800	1650	1550	32
34									1500	1350	1250	34
36										1100	950	36
38											750	38
40											550	40

* 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.



5 216kg 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	10 750							3
3.5	9900	10 200						3.5
4	9000	9650						4
4.5	8250	8900	9150					4.5
5	7500	8250	8600					5
6	6250	7050	7450	7500				6
7	5250	6050	6450	6650				7
8	4350	5200	5650	5850	5950			8
9	3550	4500	4950	5150	5300	5300	4250	9
10		3850	4350	4550	4700	4750	4250	10
12		2800	3300	3550	3700	3750	3750	12
14			2450	2650	2800	2900	2900	14
16			1750	1950	2100	2200	2200	16
18				1450	1600	1650	1650	18
20					1150	1250	1200	20
22					800	900	850	22
24						600	550	24

5 216kg 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	5950							3
3.5	5400	5850						3.5
4	4550	5500						4
4.5	4100	4850	5350					4.5
5	3600	4300	4650					5
6	2700	3500	3900	3950				6
7	1950	2800	3200	3400				7
8	1300	2200	2650	2850	3000			8
9	750	1700	2150	2350	2500	2450	2450	9
10		1250	1700	1950	2050	2150	2150	10
12		500	1000	1200	1400	1450	1450	12
14				650	800	900	900	14
16						450	450	16

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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6 577kg 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	10 400							3
3.5	9650	9900						3.5
4	8800	9400						4
4.5	8050	8700	8900					4.5
5	7300	8050	8400					5
6	6100	6850	7250	7300				6
7	5100	5900	6300	6500				7
8	4200	5100	5500	5750	5800			8
9	3450	4350	4800	5050	5150	5150	4250	9
10		3750	4200	4450	4550	4650	4250	10
12		2700	3200	3450	3600	3650	3650	12
14			2400	2650	2800	2900	2850	14
16			1750	2000	2150	2250	2250	16
18				1500	1650	1750	1700	18
20					1200	1300	1250	20
22					850	900	900	22
24						600	550	24

6 577kg 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	5750							3
3.5	5150	5600						3.5
4	4500	5200						4
4.5	3950	4700	4950					4.5
5	3350	4200	4600					5
6	2550	3250	3850	3950				6
7	1800	2650	3000	3150				7
8	1150	2050	2500	2700	2800			8
9	600	1550	2000	2200	2350	2350	2350	9
10		1100	1550	1800	1950	2000	2000	10
12		350	850	1100	1250	1350	1300	12
14				550	700	800	800	14

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	
2.4	81600*											2.4
3	72400*	69550*	53450	40 850								3
3.5	66550*	64300*	50350	39 100								3.5
4	61000*	59950*	48900	37 450	37 400							4
4.5	55050	55950	48350	35 950	35 750	26 150						4.5
5	49250	50200	47000	34 600	35 250	26 150						5
6	40450	41400	41600	32 150	34 700	25 450	22 250	19 250				6
7	34000	35050	35250	30 000	34 700	25 200	21 150	19 250				7
8	29150	30200	30400	28 150	30 200	24 950	20 650	18 800	14 950	13 400		8
9	25150	26300	26500	26 550	27 000	24 700	20 500	17 550	14 200	13 300	11 050	9
10		22100	22800	22 900	22 750	22 550	19 750	16 450	14 050	13 200	10 950	10
12		16650	17100	17 200	17 050	16 900	16 700	15 200	13 850	13 050	10 850	12
14			13400	13 500	13 400	13 450	13 200	13 000	13 350	12 750	10 750	14
16			10850	11 150	11 250	11 200	11 000	11 050	10 900	11 050	10 700	16
18				9250	9350	9350	9300	9350	9450	9300	9150	18
20					8150	7900	8200	8150	8000	7850	7700	20
22					7000	7000	7050	7000	6850	6700	6600	22
24						6150	6100	6100	5950	5800	5750	24
26							5350	5350	5250	5100	4950	26
28							4700	4700	4600	4450	4350	28
30								4150	4050	3900	3800	30
32								2800	3550	3400	3300	32
34									3150	3000	2900	34
36										2650	2550	36
38											2200	38
40											1950	40
* Special Conditions Or Wire Rope Required												

* Special Conditions Or Wire Rope Required

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17 917kg 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	
2.4	81600*											2.4
3	72650*	69550*	53450	40 850								3
3.5	66800*	64300*	50350	39 100								3.5
4	61600*	59950*	48900	37 450	37 400							4
4.5	56750	56100	48350	35 950	35 750	26 150						4.5
5	51250	52250	47000	34 600	35 250	26 150						5
6	42100	43100	43300	32 150	34 700	25 450	22 250	19 250				6
7	35450	36500	36700	30 000	34 700	25 200	21 150	19 250				7
8	30450	31450	31700	28 150	31 500	24 950	20 650	18 800	14 950	13 400		8
9	26450	27550	27750	26 550	28 000	24 700	20 500	17 550	14 200	13 300	11 050	9
10		24250	24450	25 000	24 900	24 650	19 750	16 450	14 050	13 200	10 950	10
12		18300	18750	18 850	18 750	18 550	17 550	15 200	13 850	13 050	10 850	12
14			14800	14 900	14 800	14 600	14 450	13 550	13 400	12 750	10 750	14
16			12000	12 150	12 050	12 200	11 850	11 650	12 000	11 700	10 700	16
18				10 250	10 300	10 350	9900	10 150	10 050	10 050	10 100	18
20					8800	8800	8800	8600	8700	8750	8650	20
22					7700	7550	7700	7800	7700	7550	7400	22
24						6550	6850	6800	6700	6550	6400	24
26							6000	6000	5850	5750	5650	26
28							5350	5300	5200	5050	4950	28
30								4700	4600	4450	4350	30
32								3350	4100	3950	3850	32
34									3650	3500	3400	34
36										3100	3000	36
38											2650	38
40											2350	40

* 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.

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 (ft)	Fly Length (m)		Radius (ft)	Fly Length (m)	
	10.67	17.68		10.67	17.68
12	5500		12		
14	5500	3850	14	5200	
16	5500	3750	16	5100	
18	5500	3700	18	5000	3300
20	4750	3600	20	4900	3150
22	3900	3500	22	4200	3050
24	3250	3400	24	3500	2950
26	2650	2900	26	2900	2850
28	2200	2400	28	2400	2750
30	1800	2000	30	2000	2300
32	1500	1650	32	1650	1950
34	1200	1350	34	1350	1600
36	950	1100	36	1050	1350
38	700	900	38	850	1100
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 (ft)	Fly Length (m)		Radius (ft)	Fly Length (m)	
	10.67	17.68		10.67	17.68
18	4450		18		
20	4350		20	3950	
22	4300		22	3950	
24	3750	2550	24	3900	
26	3150	2500	26	3350	2250
28	2650	2400	28	2800	2200
30	2200	2350	30	2300	2150
32	1800	2250	32	1900	2150
34	1500	1850	34	1550	2050
36	1200	1550	36	1250	1750
38	950	1300	38	1000	1450
40	700	1050	40	750	1150
42	500	800	42		900
44		600	44		700
46		450	46		500

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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 (ft)	Fly Length (m)			Radius (ft)	Fly Length (m)		
	10.67	17.68	22.56		10.67	17.68	22.56
12	5500			12			
14	5500	3850		14	5200		
16	5500	3750	3000	16	5100		
18	5500	3700	3000	18	5000	3300	
20	5200	3600	3000	20	4900	3150	2850
22	4300	3500	3000	22	4600	3050	2650
24	3600	3400	2950	24	3850	2950	2450
26	3000	3200	2700	26	3250	2850	2300
28	2500	2700	2550	28	2750	2750	2150
30	2100	2300	2250	30	2300	2600	2050
32	1750	1950	1900	32	1900	2200	1900
34	1450	1600	1600	34	1600	1850	1800
36	1150	1350	1300	36	1300	1550	1500
38	950	1100	1050	38	1050	1300	1250
40	700	900	850	40	800	1050	1000
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 (ft)	Fly Length (m)			Radius (ft)	Fly Length (m)		
	10.67	17.68	22.56		10.67	17.68	22.56
18	4450			18			
20	4350			20	3950		
22	4300			22	3950		
24	4150	2550	2050	24	3900		
26	3500	2500	1900	26	3650	2250	1650
28	2950	2400	1800	28	3100	2200	1550
30	2450	2350	1700	30	2600	2150	1500
32	2050	2300	1600	32	2200	2150	1450
34	1750	2100	1550	34	1800	2100	1400
36	1400	1800	1500	36	1500	1950	1350
38	1150	1500	1400	38	1200	1650	1300
40	900	1250	1200	40	950	1350	1250
42	700	1000	1000	42		1100	1100
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.

14 742kg Counterweight -- Fully Extended Outriggers -- 360° Rotation									
(All Capacities Are Listed In Kilograms)									
42.67mMainBoomLength 2°FlyOffset					42.67mMainBoomLength 15°FlyOffset				
Radius (ft)	Fly Length (m)				Radius (ft)	Fly Length (m)			
	10.67	17.68	22.56	27.43		10.67	17.68	22.56	27.43
12	5500				12				
14	5500	3850			14	5200			
16	5500	3750	3000		16	5100			
18	5500	3700	3000	2350	18	5000	3300		
20	5400	3600	3000	2350	20	4900	3150	2850	
22	5300	3500	3000	2350	22	4750	3050	2650	2100
24	5150	3400	2950	2200	24	4650	2950	2450	1950
26	5000	3300	2700	2050	26	4550	2850	2300	1800
28	4550	3200	2550	1850	28	4350	2750	2150	1650
30	4000	3100	2350	1750	30	4150	2700	2050	1550
32	3500	2950	2200	1600	32	3650	2600	1900	1400
34	3100	2800	2100	1500	34	3250	2550	1800	1300
36	2750	2650	1950	1400	36	2850	2400	1700	1250
38	2400	2550	1850	1300	38	2500	2300	1650	1150
40	2100	2300	1750	1200	40	2200	2200	1550	1050
42	1850	2000	1650	1100	42	1950	2100	1500	1000
44	1650	1800	1600	1050	44	1700	1950	1400	950
46	1450	1550	1500	1000	46	1500	1700	1350	900
48	1250	1400	1300	900	48	1300	1500	1300	850
50	1100	1200	1150	850	50	1100	1300	1250	800
52		1050	1000	800	52		1100	1050	750
54		900	850	800	54		950	900	700
56		750	700	700	56		800	750	700
58			550	500	58			600	600
60			400		60			450	450

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)									
42.67mMainBoomLength 30°FlyOffset					42.67mMainBoomLength 45°FlyOffset				
Radius (ft)	Fly Length (m)				Radius (ft)	Fly Length (m)			
	10.67	17.68	22.56	27.43		10.67	17.68	22.56	27.43
18	4450				18				
20	4350				20	3950			
22	4300				22	3950			
24	4200	2550	2050	1650	24	3900			
26	4150	2500	1900	1550	26	3900	2250	1650	
28	4050	2400	1800	1400	28	3850	2200	1550	1250
30	3900	2350	1700	1300	30	3750	2150	1500	1200
32	3700	2300	1600	1250	32	3600	2150	1450	1100
34	3350	2250	1550	1150	34	3450	2100	1400	1050
36	2950	2200	1500	1050	36	3050	2100	1350	950
38	2600	2150	1400	1000	38	2650	2050	1300	900
40	2300	2050	1350	950	40	2350	1950	1250	850
42	2000	1950	1300	900	42	2050	1900	1200	800
44	1750	1900	1250	850	44		1850	1150	750
46	1500	1800	1200	800	46		1800	1150	750
48		1600	1200	750	48		1600	1150	700
50		1400	1150	700	50			1100	650
52		1200	1150	650	52			1100	650
54		1000	1000	650	54				600
56			800	600	56				600
58			650	600	58				600
60				550	60				600
62				350	62				

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)									
42.67mMainBoomLength 2°FlyOffset					42.67mMainBoomLength 15°FlyOffset				
Radius (ft)	Fly Length (m)				Radius (ft)	Fly Length (m)			
	10.67	17.68	22.56	27.43		10.67	17.68	22.56	27.43
12	5500				12				
14	5500				14	5200			
16	5500	3850			16	5100			
18	5500	3700	3000		18	5000	3300		
20	5400	3600	3000	2350	20	4900	3150	2850	
22	5300	3500	3000	2350	22	4750	3050	2650	2100
24	5150	3400	2950	2200	24	4650	2950	2450	1950
26	5000	3300	2700	2050	26	4550	2850	2300	1800
28	4700	3200	2550	1850	28	4350	2750	2150	1650
30	4450	3100	2350	1750	30	4150	2700	2050	1550
32	4050	2950	2200	1600	32	3950	2600	1900	1400
34	3600	2800	2100	1500	34	3750	2550	1800	1300
36	3200	2650	1950	1400	36	3300	2400	1700	1250
38	2850	2550	1850	1300	38	2950	2300	1650	1150
40	2550	2400	1750	1200	40	2650	2200	1550	1050
42	2250	2300	1650	1100	42	2350	2100	1500	1000
44	2000	2150	1600	1050	44	2100	2000	1400	950
46	1800	1950	1500	1000	46	1850	1950	1350	900
48	1600	1700	1450	900	48	1650	1850	1300	850
50	1400	1550	1400	850	50	1450	1650	1250	800
52		1350	1300	800	52		1450	1250	750
54		1200	1150	800	54		1250	1200	700
56		1050	1000	750	56		1100	1050	700
58			850	700	58			900	650
60			700	700	60			750	650
62			550	550	62			600	600
64				400	64				450

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17 917kg Counterweight -- Fully Extended Outriggers -- 360° Rotation (All Capacities Are Listed In Kilograms)									
42.67mMainBoomLength 30°FlyOffset					42.67mMainBoomLength 45°FlyOffset				
Radius (ft)	Fly Length (m)				Radius (ft)	Fly Length (m)			
	10.67	17.68	22.56	27.43		10.67	17.68	22.56	27.43
18	4450				18				
20	4350				20	3950			
22	4300				22	3950			
24	4200	2550	2050	1650	24	3900			
26	4150	2500	1900	1550	26	3900	2250	1650	
28	4050	2400	1800	1400	28	3850	2200	1550	1250
30	3900	2350	1700	1300	30	3750	2150	1500	1200
32	3700	2300	1600	1250	32	3600	2150	1450	1100
34	3550	2250	1550	1150	34	3500	2100	1400	1050
36	3450	2200	1500	1050	36	3400	2100	1350	950
38	3050	2150	1400	1000	38	3100	2050	1300	900
40	2700	2050	1350	950	40	2750	1950	1250	850
42	2400	1950	1300	900	42	2450	1900	1200	800
44	2150	1900	1250	850	44		1850	1150	750
46	1900	1850	1200	800	46		1800	1150	750
48		1800	1200	750	48		1800	1150	700
50		1700	1150	700	50		1700	1100	650
52		1500	1150	650	52			1100	650
54		1300	1100	650	54				600
56			1100	600	56				600
58			950	600	58				600
60				600	60				600
62				600	62				
64				450	64				

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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