Technical Data

Specifications & Capacities





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.

120|LB Link-Belt Cranes

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120|LB Link-Belt Cranes

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Boom, Attachments, and Upper Structure

■ Boom

Design —Seven section, formed construction of extra high tensile steel consisting of one base section and six 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

- 39.8-196.9 ft (12.1-60.0m) seven section boom
- Integral boom dolly connection
- Eight boom extend modes (EM1 through EM8), controlled from the operator's cab, provide superior capacities by varying the extension of the telescoping sections:
 - EM1 extends to 196.9 ft (60.0m)
 - EM2 extends to 184.9 ft (56.4m)
 - EM3 extends to 172.5 ft (52.6m)
 - EM4 extends to 159.6 ft (48.6m)
 - EM5 extends to 146.3 ft (44.6m)
 - EM6 extends to 120.5 ft (36.7m)
 - EM7 extends to 93.9 ft (28.6m)
- EM8 extends to 81.0 ft (24.7m)
- Mechanical boom angle indicator
- · Maximum tip height for each extend mode is:
 - EM1 is 205 ft (62.5m)
 - EM2 is 193 ft (58.8m)
 - EM3 is 181 ft (55.2m)
 - EM4 is 168 ft (51.2m)
 - EM5 is 155 ft (47.2m)
 - EM6 is 130 ft (39.6m)
 - EM7 is 103 ft (31.4m)
 - EM8 is 91 ft (27.7m)
- · Maximum fly tip height for each size is:
 - 9.5' Fly Max is 213 ft (64.9m)
 - 35' Fly Max is 239 ft (72.8m)
 - 58' Fly Max is 263 ft (80.2m)
- Wear pads with teflon inserts that self—lubricate the boom sections
- Bottom wear pads are universal for all boom sections
- Top wear pads are universal for all boom sections

Boom Head

- Five 16.5 in (41.9cm) root diameter nylon sheaves to handle 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
- Wind speed indicator
- Aviation obstruction marking light and flag

Boom Elevation

- One double acting hydraulic cylinder with integral holding valve
- Boom elevation: −3° to 80°

Auxiliary Lifting Sheave - Optional

- Single 16.5 in (41.9cm) root diameter nylon sheave
- Easily removable wire rope guards
- Does not affect erection of the fly or use of the main head sheaves

Heavy Duty Lifting Sheave Package — Optional

- · Necessary to achieve greater than 12 parts of line lifts
- Two 16.5 in (41.9cm) root diameter nylon sheaves
- · Easily removable wire rope guards
- Does not affect use of the main head sheaves or auxiliary lifting sheave
- · Cannot be used when fly is erected

Hook Blocks and Balls — Optional

- 27 ton (25mt) 1 sheave quick—reeve hook block with safety latch
- 60 ton (55mt) 3 sheave quick—reeve hook block with safety latch
- 90 ton (82mt) 5 sheave quick—reeve hook block with safety latch
- 140 ton (127mt) 7 sheave quick—reeve hook block with safety latch
- 10 ton (9mt) swivel hook ball with safety latch

Fly - Optional

- 9.5 ft—35 ft (2.9*m*—10.7*m*) two piece lattice fly, stowable, offsettable to 0°, 15°, 30°, and 45°. Maximum tip height is 239 ft (72.8*m*).
- 9.5 ft-35 ft-58 ft (2.9m-10.7m-17.7m) three piece lattice fly, stowable, offsettable to 0°, 15°, 30°, and 45°.
 Maximum tip height is 263 ft (80.2m).
- 35 ft (10.7m) one piece fly, one piece
- 35 ft-58 ft (10.7m-17.7m) two piece fly

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Upper Operator's Cab and Controls

Environmental Cab - Fully enclosed, one person cab of tubular and sheet steel structure with formed plastic interior panels.

Equipped with:

- · Tinted and tempered glass windows
- Extra-large fixed front window with time delayed windshield wiper and washer
- Swing up roof window with windshield wiper and washer
- Sliding left side door with large fixed window
- Sliding right side window and pop—out rear window for ventilation
- · Six way adjustable, cushioned seat with seat belt and storage compartment
- Diesel fired warm—water heater with ten air ducts for front windshield defroster and cab floor
- Air Conditioning Integral with cab heating system utilizing the same ventilation outlets and automatic temperature control (ATC)
- Adjustable sun screen
- Dome lights with red nighttime reading LED's
- · Cup holder
- Fire extinguisher
- Two position travel swing lock
- AM/FM Bluetooth radio

Armrest Controls – Two dual axis electronic joystick controllers or optional single axis electronic controllers for:

- · Swing hoist
- Boom hoist
- · Main (front) winch
- Auxiliary (rear) winch optional
- Winch high/low speed switch(es)
- Warning horn button
- Swing park brake switch
- Engine throttle lock switch
- Engine set/resume switch
- Cab tilt
- Counterweight removal

Foot Controls

- Boom telescope
- Swing brake
- Engine throttle

Upper Right Console – Controls and indicators for:

Radio

light

· DRI on/off selection

360 swing lock - optional

Rotating beacon/Strobe

HVAC controller

Boom floodlights

- Engine ignition
- Engine stop
- Function lockout
- Front windshield wiper and washer
- Cab lights and upper frame lights
- Horn
- E-stop switch
- Top hatch wiper washer · Dome light with switch Winch(es) disable · Engine indicator gauge

Rear Right Side Panel

- 12V accessory outlet (10amp)
- USB charge port

Camera Display – Located on the right A–post with an adjustable mount

- Displays right side of upper
- Displays main and auxiliary winches

Diagnostic Center - Located on the right rear wall behind the seat.

- · Engine diagnostic
- RCL CANBUS diagnostic
- · Boom CANBUS diagnostic
- Outrigger CANBUS diagnostic

Fuse & Relay Panel - Located on the left rear wall behind the seat.

Link-Belt Pulse 2.0 – The Link-Belt in-house designed, total crane operating system that utilizes a 10 in touch screen color display with integrated RCL and engine data, advanced diagnostics and systems monitoring, Wi-Fi capable for remote software updates, operator customizable, and a readout and operator interface for the following systems:

- Rated capacity limiter LCD graphic audio visual warning system integrated into the dash with anti – two block and function limiter. Operating data includes:
 - RCL controller USB diagnostic
 - Crane configuration
 - Boom length and angle
 - Boom head height
 - Allowed load and percent of allowed load
 - RCL light bar
 - Boom angle
 - Radius of load
 - Actual load
 - Wind speed
 - Highlighted unit of measurement on working screen
 - Telescope operation displayed in real time
 - Outrigger position sensing
 - Drum rotation direction indication
 - Third wrap indicator
 - Diagnostics
 - Counterweight detection system
 - Operator settable alarms (include):
 - Maximum and minimum boom angles
 - Maximum tip height
 - Maximum boom length
 - Swing left/right positions
 - Operator defined area (imaginary plane)

Cab Instrumentation

- **Tachometer**
- Swing park brake light

Battery voltage

Fuel rate (gal/hr)

- Engine water temperature Engine speed
- Engine oil pressure Fuel level
- Hydraulic oil temperature •

- Check engine
- Wait to start
- Stop engine
 - Engine load
 - Engine diagnostics
- Diesel exhaust fluid (DEF) level Engine air filter high restriction light
- Regeneration light
- Regeneration inhibit switch
- Regeneration initiate switch
- High exhaust temperature light
- Regeneration disabled light
- **Telematics** Cellular based data logging and monitoring system that provides:
 - Location and operational settings
 - · Routine maintenance
 - Crane and engine monitoring
 - Diagnostic and fault codes

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■ Swing

Motor/Planetary — Bi—directional, hydraulic swing motor mounted to a planetary reducer for 360° continuous smooth swing at 1.9 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, speed reducing system with disc brake hold feature.

Swing Lock – Two-position swing lock (0° and 180°) 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 amber strobe beacon on top of the cab.
- Boom floodlight Single One high intensity floodlight mounted at the front portion of the boom base section. Adjustable to fixed positions.
- Boom floodlight Dual Two high intensity floodlights mounted at the front portion of the boom base section.
 Two adjustable to individual fixed positions.
- Boom floodlight package Three high intensity floodlights mounted at the front portion of the boom base section. Two adjustable to individual fixed positions and one remote controlled.
- Work lighting package Four high intensity work lights mounted on top of the operator's cab, the right side of the superstructure facing forward, on the upper work platform, and on the left side of the superstructure facing down.

■ Load Hoist System Load Hoist Performance

| | Main (Rear) and Auxiliary (Front) Winches — 3/4 in (19mm) Rope | | | | | | | | | | |
|-------|--|--------|--------|-----------|-----------------|-------|-------|------|-------|-------|--|
| | Maximum Line Pull | | | ine Speed | High Line Speed | | Layer | | Total | | |
| Layer | lb | kN | ft/min | m/min | ft/min | m/min | ft | m | ft | m | |
| 1 | 23,632 | 105.12 | 150 | 45.7 | 241 | 73.5 | 115 | 35.1 | 115 | 35.1 | |
| 2 | 21,616 | 96.15 | 164 | 50.0 | 264 | 80.5 | 125 | 38.1 | 240 | 73.2 | |
| 3 | 19,917 | 88.60 | 178 | 54.3 | 286 | 87.2 | 136 | 41.5 | 376 | 114.6 | |
| 4 | 18,465 | 82.14 | 192 | 58.5 | 309 | 94.2 | 147 | 44.5 | 522 | 159.1 | |
| 5 | 17,211 | 76.56 | 206 | 62.8 | 331 | 100.9 | 157 | 47.9 | 679 | 207.0 | |
| 6 | 16,116 | 71.69 | 220 | 67.1 | 354 | 107.9 | 168 | 51.2 | 847 | 258.2 | |

| Wire Rope Application | | in | mm | Туре | lb | kg |
|-----------------------|----------|-----|----|--|--------|---------|
| Standard | | 3/4 | 19 | 37x7, Category 1, E.E.I.P.S., Right Lang Lay, Galvanized (Type KC) | 16,000 | 7 257.5 |
| Main (Rear) Winch | Optional | 3/4 | 19 | 34x7, Category 1, E.E.I.P.S., Right Lang Lay (Type YB) | 16,000 | 7 257.5 |
| | Optional | 3/4 | 19 | 35x7, Category 1, E.E.I.P.S., Right Lang Lay (Type CC) | 17,360 | 7 874.4 |
| Auxiliary (Front) | Standard | 3/4 | 19 | 37x7, Category 1, E.E.I.P.S., Right Lang Lay, Galvanized (Type KC) | 16,000 | 7 257.5 |
| Winch | Optional | 3/4 | 19 | 34x7, Category 1, E.E.I.P.S., Right Lang Lay (Type YB) | 16,000 | 7 257.5 |
| | Optional | 3/4 | 19 | 35x7, Category 1, E.E.I.P.S., Right Lang Lay (Type CC) | 17,360 | 7 874.4 |

Main and Auxiliary Winches

- Axial piston (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
- Drum rotation indicator
- Drum diameter: 15 in (38.1cm)
- · Rope length:
 - Main: 800 ft (243.8m)Auxiliary: 600 ft (182.9m)
- Maximum rope storage: 850 ft (259m)
 Terminator style socket and wedge

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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 — The carrier cooling package has an integrated hydraulic oil cooler. There is also an electric operated oil cooler in the upper for additional cooling capacity.

Boom Hoist Float Valves — 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 16,500 lb (*7.4t*) of total counterweight consisting of four, hydraulically removable counterweights. Assembled and disassembled by hydraulic cylinders controlled from the operator's cab with capacities for:

- 0 lb (0t) counterweight
- 4,000 lb (1.8t) counterweight
- 8,000 lb (3.6t) counterweight
- 12,000 lb (5.4t) counterweight
- 16,000 lb (7.2t) counterweight

Optional -20,000 lb (9t) in addition to standard counterweight for a total of 36,500 lb (16.4t) with additional capacities for:

- 20,000 lb (9t) counterweight
- 24,000 lb (10.8t) counterweight
- 28,000 lb (12.7t) counterweight
- 32,500 lb (14.7t) counterweight
- 36,500 lb (16.4t) counterweight

Optional - 32,600 lb (14.8t) in addition to standard counterweight for a total of 49,100 lb (22.2t) with additional capacities for:

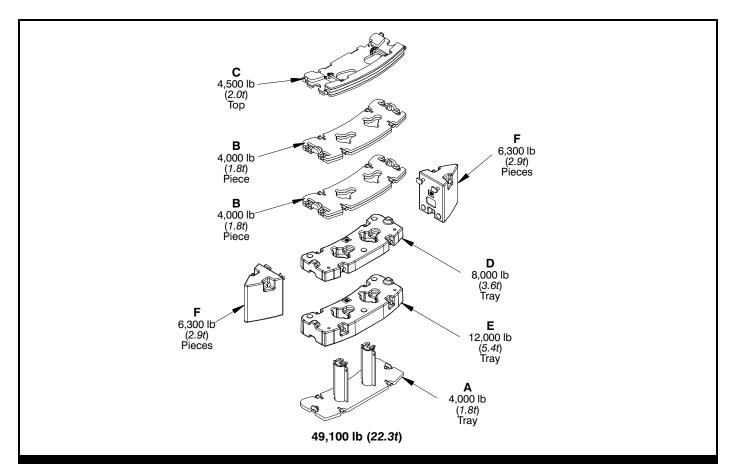
- 20,000 lb (9t) counterweight
- 24,000 lb (10.8t) counterweight
- 28,000 lb (12.7t) counterweight
- 32,000 lb (14.4t) counterweight
- 36,500 lb (16.4t) counterweight
- 49,100 lb (22.2t) counterweight*

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

* Overall width of the crane increases to 13 ft 10.8 in (4.24m) for this counterweight configuration

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| Allowed Counterweight Combinations | | | | | | | | | | |
|------------------------------------|----------|-------|-------|-----|--|--|--|--|--|--|
| 0 | | | | | | | | | | |
| 4,000 lb (1.8t) | А | С | | | | | | | | |
| 8,000 lb (3.6t) | AB | AC | | | | | | | | |
| 12,000 lb (5.4t) | ABB | ABC | AD | | | | | | | |
| 16,000 lb (7.2t) | ABBC | ABD | AE | ACD | | | | | | |
| 20,000 lb <i>(9t)</i> | ABBD | ABCD | ABE | ACE | | | | | | |
| 24,000 lb <i>(10.8t)</i> | ABBE | ABCE | ABBCD | | | | | | | |
| 28,000lb (12.7t) | ABBCE | ABDE | ACDE | | | | | | | |
| 32,000lb <i>(14.4t)</i> | ABBDE | ABCDE | | | | | | | | |
| 36,500lb <i>(16.4t)</i> | ABBCDE | | | | | | | | | |
| 49,100lb <i>(22.2t)</i> | ABBCDEFF | | | | | | | | | |

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Carrier

■ General

- 8 ft 6 in (2.6m) wide
- 23 ft 5.5 in (7.14m) 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

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

Beams and Jacks — Four dual stage beams with Variable Confined Area Lifting Capacities (V—CALC) provide selectable outrigger extensions of full, intermediate, and retracted positions. 81 possible outrigger configurations. Jacks with integral check valves, hydraulically controlled from the operator's cab and on both sides of carrier. A fifth front bumper outrigger 16 in (40.6cm) diameter, self—storing with integral check valves is hydraulically controlled from the upper operator's cab and at the front bumper of carrier.

Pontoons

- Main Four lightweight, stow'n go, 23.5" x 27.25" (59.7 x 69.2cm) hexagonal steel pontoons with a contact area of 443 in² (2 858cm²) can be stored for road travel in either the storage racks on the carrier or under the outrigger boxes
- Front Bumper One, lightweight, self—storing, 16"
 (40.6cm) diameter steel pontoon with a contact area of 199 in² (1 284cm²)

Jack Reaction

- **Main** 122,000 lb (542.7kN) force and 276 psi
- (1 903kPa) ground bearing pressure
 Front Bumper 40,000 lb (177.9kN) force and 201 psi (1 386kPa) ground bearing pressure

Steering and Axles

- Dual gear steering 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 non—steered, driven with reduction: 5.38 to 1
- Inter—Axle Differential Lock Locks axle 3 with axle 4.
 Operated by a switch from the carrier cab.
- Cross axle lock on axles 3 and 4

Suspension

Front - Independent air suspension

Rear - Independent air suspension

■ Tires and Wheels

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

Rear — Eight (dual) 315/80R22.5 tires on aluminum disc wheels

- Spare tires and wheels optional
- Tire inflation kit optional

Brakes

Service – Full air anti–lock (ABS) disc 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 60 psi (*413.7kPa*) in both circuits.

■ Electrical

Battery – Four batteries provide 24 volt starting and operation, easily accessible battery disconnects, and battery charging posts.

Lights

- Front lighting includes two main daytime running/ 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, LED light, instrument panel light, signal horn, carrier cab door courtesy light, and two outrigger LED lights on each side.
- One amber strobe beacon behind the cab
- Compartment lighting inside storage boxes, outrigger control boxes, and fuel fill.

■ Engine

| Specification | Cummins X12 |
|---|--|
| Emissions Compliance Level: | EPA On Highway |
| Maximum Allowable Sulfur Content of Fuel (PPM): | 15 |
| Numbers of cylinders: | 6 |
| Cycle: | 4 |
| Bore and Stroke: inch (mm) | 5.2 x 5.67 in (132 x 144mm) |
| Piston Displacement: in ³ (L) | 720 (11.8L) |
| Max. Brake Horsepower: hp (kW) | 445 (339) @ 1,600 rpm 410 (306) @ 2,000 rpm |
| Peak Torque: ft lb (Nm) | 1,550 (2 <i>102</i>) @ 1,200 rpm |
| Alternator: volts – amps | 12 — 145 |
| Crankcase Capacity: qt (L) | 48 (45.4) |

- Cruise control
- Cummins X12 three stage engine compression brake
- Thermostatically controlled, hydraulically driven radiator fan
- 120 volt engine block heater X12
- Ether injection system optional on X12
- Grid heater starting aid standard on X12
- Engine equipped with on-board diagnostics X12
- Can only be sold and/or operated where EPA on—highway emission standards are accepted.

■ Transmission

Automated – ZF TRAXON (no clutch pedal) manual transmission with 12 forward gears and 2 reverse gears.

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■ Carrier Speeds and Gradeability

| | ZF Traxon | | Governe | ed Speed | Gradeability (At Peak Torque Except Creep at | | |
|---------------|------------|-------|---------|----------|--|--|--|
| | ZI IIAXOII | | El | EPA | | | |
| Gear | Gear | | mph | km/h | EPA | | |
| 12th | | 0.77 | 61 | 98 | 1.6 | | |
| 11th | | 1.00 | 47 | 76 | 2.5 | | |
| 10th | | 1.30 | 36 | 58 | 3.7 | | |
| 9th | | 1.68 | 28 | 45 | 5.1 | | |
| 8th | | 2.19 | 22 | 35 | 6.9 | | |
| 7th | | 2.83 | 17 | 27 | 9.2 | | |
| 6th | | 3.53 | 13 | 22 | 11.7 | | |
| 5th | | 4.57 | 10 | 17 | 15.4 | | |
| 4th | | 5.94 | 8 | 13 | 20.2 | | |
| 3rd | | 7.69 | 6 | 10 | 26.3 | | |
| 2nd | | 9.98 | 5 | 8 | 34.4 | | |
| 1st | | 12.92 | 4 | 6 | 44.7 | | |
| Reverse | e 1 | 12.03 | 4 | 6 | 41.6 | | |
| Reverse | 2 | 9.29 | 5 | 8 | 32.0 | | |
| | 2nd | 9.98 | 2 | 3 | 17.4 | | |
| 0 | 1st | 12.92 | 1 | 2 | 22.7 | | |
| Creep at idle | Reverse 1 | 12.03 | 1 | 2 | 21.1 | | |
| | Reverse 2 | 9.29 | 2 | 3 | 16.1 | | |

Based on a gross vehicle weight of 107,250 lb (48 647.8kg)

■ Fuel Tank

- One 95 gal (359.6L) capacity tank
- One 10 gal (37.8L) capacity diesel exhaust fluid (DEF) plastic tank (EPA)

■ Hydraulic System

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

Main Pumps

- Two variable displacement load sense piston pumps that drive the boom hoist, boom extend, winches, and the cooling package fan. One piston pump is engine driven to allow boom and winch operation during pick and carry operations.
- · One fixed displacement gear pump for steering
- One fixed displacement gear pump for swing operation
- One fixed displacement gear pump for the outriggers and the upper air conditioner and counterweight removal circuits
- Combined pump capacity of 168 gpm (635.9Lpm)

Hydraulic Reservoir - 128 gal (484.5L) 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, single occupancy cab of aluminum and composite construction with acoustical insulation. Equipped with:

- Tinted and tempered glass windows
- Power left door windows for ventilation
- · Intermittent windshield wiper and washer
- Six way adjustable and air suspended heated and ventilated driver's seat with seat belt
- Electrically adjustable side view mirrors with passenger infrared camera
- Engine dependent warm—water heater with air ducts for chest/face, foot, and windshield defroster
- Adjustable sun visor
- LED dome lights
- Fire extinguisher

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

Automatic temperature control

Overhead Console - Located above the sun visor

- AM/FM Bluetooth radio
- · Dome light switch
- 12V accessory power outlet

Camera Display - Integrated with right side LCD display

- Displays right side of machine
- Displays rear view
- · Displays dolly rear view

Cab Instrumentation – Ergonomically positioned instrumentation for driving including:

- Digital speedometer with odometer, hour meter, trip meter, clock and outside temperature.
- Tachometer
- Fuel and diesel exhaust fluid (DEF) level with warning indicator

Indicator Lights

- Regeneration inhibit
- · Check engine
- Stop engine
- Exhaust regeneration
- High exhaust temperature
- · Engine air filter high restriction light
- Cruise
- Park brake
- · Tire pressure warning
- ABS
- Trailer ABS
- · Engine brake level
- Transaxle (cross—axle) differential lock
- Inter-axle differential lock
- Travel mode
- · Ride height
- Diesel Exhaust Fluid (DEF)
- · Seat belt
- Hill hold start

Dash Mounted Controls For:

- Carrier lights
- Console dimmer switch
- · Remote mirror control switches
- · Mirror heating switch
- Cab heater/air conditioning switch
- · Fresh/Recirculation air switch
- Park brake air valve
- Trailer brake air valve
- · Carrier engine ignition switch

Dash Mounted Indicators For:

- · Turn signal indication
- · High beam headlights

Right Side LCD Display — Ergonomically positioned on the right of driver's dash panel, digital instrumentation and indicators for crane operations including:

- · Transmission digital readout
- Gauges
 - · Engine water temperature
 - · Engine oil pressure

Diagnostic Screens

- Engine
- Aftertreatment
- Outriggers
- Tire Pressure Monitoring Screen (TPMS)

Right Side Console — Controls and indicators for:

- Transmission gear shifting
- Diesel particulate filter switch
- Regeneration inhibit switch
- · Fan override switch
- ABS Traction control switch
- Transaxle (cross—axle) differential lock switch with indicator light
- Inter—axle differential lock switch with indicator light
- Travel mode switch
- Ride height switch
- Hill hold start switch

Steering Column/Wheel Controls For:

- Turn signal switch
- · High beam switch
- Tilt/telescope adjustments
- Cruise Control
- Engine brake control
- Warning horn
- Hazard light switch
- Intermittent windshield wiper and washer

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
- Five storage compartments
 - Storage compartment behind carrier cab
 - · Left and right side ladders
 - Storage box between axles 3 and 4 on the left and right sides
- Pneumatic and electrical quick disconnect connectors mounted on the rear for trailer or boom dolly brakes and lights
- Wireless rigging remote control with digital inclinometer

 controls outrigger beams, jacks, boom hoist, main and auxiliary winch.

Optional:

- Rear mounted pintle hook
- Bumper Mounted Oversize Load Sign

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Transport Scenarios – Axle Loads



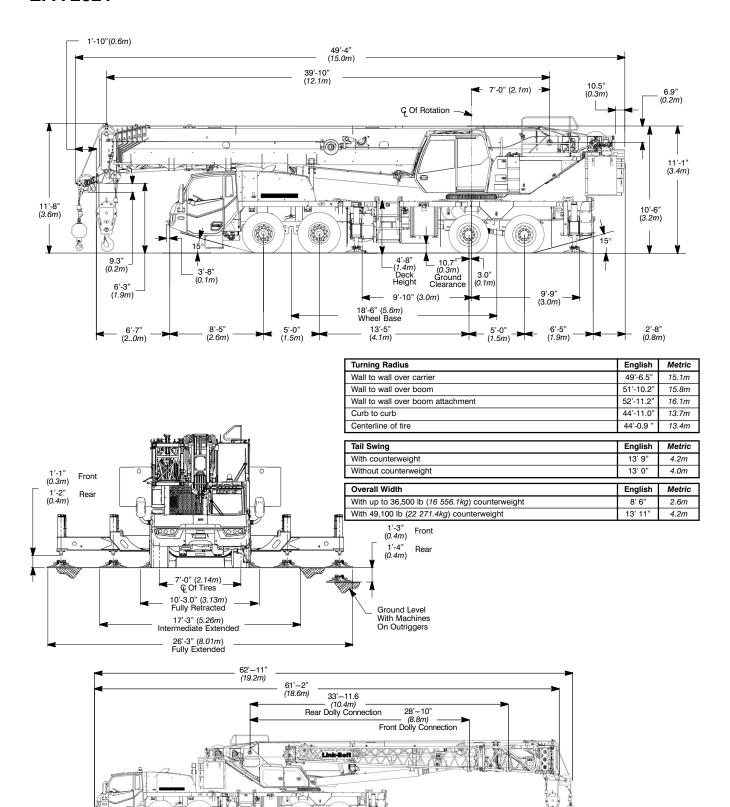
| Base crane: | | Gross Vehicle Weight | | Front Tandem | | Rear Ta | andem |
|---------------|--|----------------------|--------|--------------|--------|---------|--------|
| cable followe | Ib driver, oversize load signs, two winches with rs, 800' wire rope on main winch, 600' wire rope rinch, no counterweight, 35–58' two piece offset | lb | kg | lb | kg | lb | kg |
| | fting sheave, 60 T hook block, 10 T hookball, and | 94,920 | 43,056 | 49,381 | 22,399 | 45,539 | 20,656 |
| Add | 4,000 lb counterweight on carrier | 4,000 | 1,814 | 3,108 | 1,410 | 892 | 404 |
| | 8,000 lb counterweight on carrier | 8,000 | 3,629 | 6,217 | 2,820 | 1783 | 809 |
| | 4,000 lb counterweight on carrier rear | 4,000 | 1,814 | -1,607 | -729 | 5,607 | 2,543 |
| | 4,500 lb counterweight on upper | 4,500 | 2,041 | -2,400 | -1,089 | 6,900 | 3,130 |
| Substitute | 9.5'-35'-58' 3 piece offset fly | 3,167 | 1,437 | 3,471 | 1,574 | -304 | -138 |
| Remove | 35-58' 2 piece offset fly | -2,636 | -1,196 | -2,711 | -1,230 | -75 | -34 |
| | 60 T hook block | -1,500 | -680 | -1,961 | -890 | 811 | 368 |
| | 10 T hookball | -584 | -265 | -1020 | -463 | 436 | 198 |



| Base crane: | | Gross Vehicle Weight | | Front Tandem | | Rear Tandem | | Dolly | |
|---|---|-------------------------|--------|--------------|--------|-------------|--------|--------|--------|
| Includes: 250 lb driver, oversize load signs, two winches with cable followers, 800' wire rope on main winch, 600' wire rope on auxiliary winch, no counterweight, 35–58' two | | | kg | lb | kg | lb | kg | lb | kg |
| piece offset fly, auxiliary lifting sheave, 60 T hook block, 10 T hookball, 500 lb rigging, and 9,000 lb 3—axle close couple dolly. (Boom extended 2' in travel mode) | | 103,955 | 47,153 | 31,540 | 14,306 | 38,464 | 17,447 | 33,951 | 15,400 |
| Add | ld 36,500 lb of counterweight (28,500 lb on dolly, 8,000 lb on carrier) | | 16,556 | 6,217 | 2,820 | 1,783 | 809 | 28,500 | 12,928 |
| | 16,500 lb of counterweight (8,500 lb on dolly, 8,000 lb on carrier) | | 7,484 | 6,217 | 2,820 | 1,783 | 809 | 8,500 | 3,856 |
| Substitute 9.5'-35'-58' 3 piece offset fly | | 3,167 | 1,437 | 325 | 147 | 323 | 147 | 2,519 | 1,143 |
| Remove | Remove 35–58' 2 piece offset fly | | -1,196 | -323 | -146 | 321 | 146 | -1,992 | -904 |
| 60 T hook block | | -1,500 | -680 | 249 | 113 | 248 | 112 | -1,997 | -906 |
| | 10 T hookball | -584 | -265 | 97 | 44 | 97 | 44 | -778 | -353 |

General Dimensions

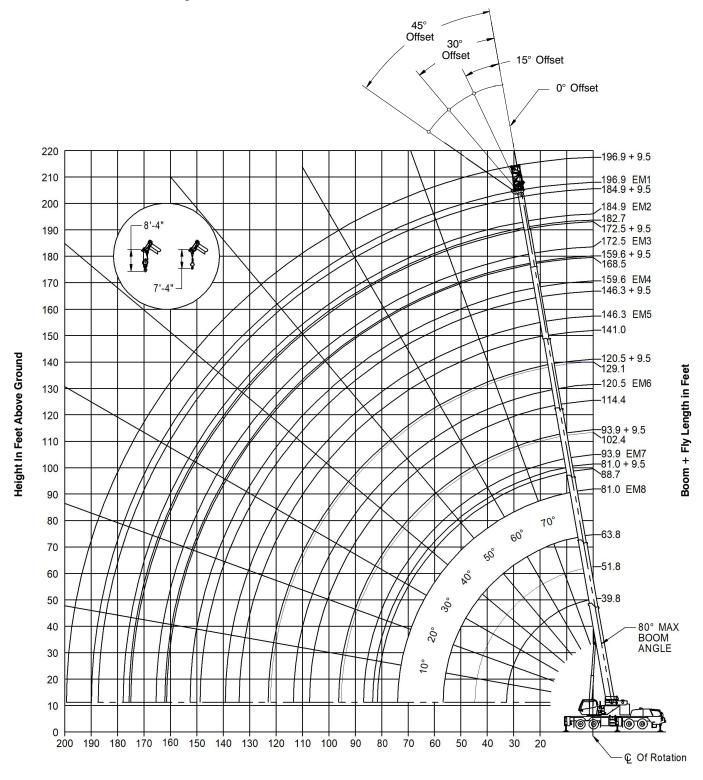
EPA 2021



Not To Scale

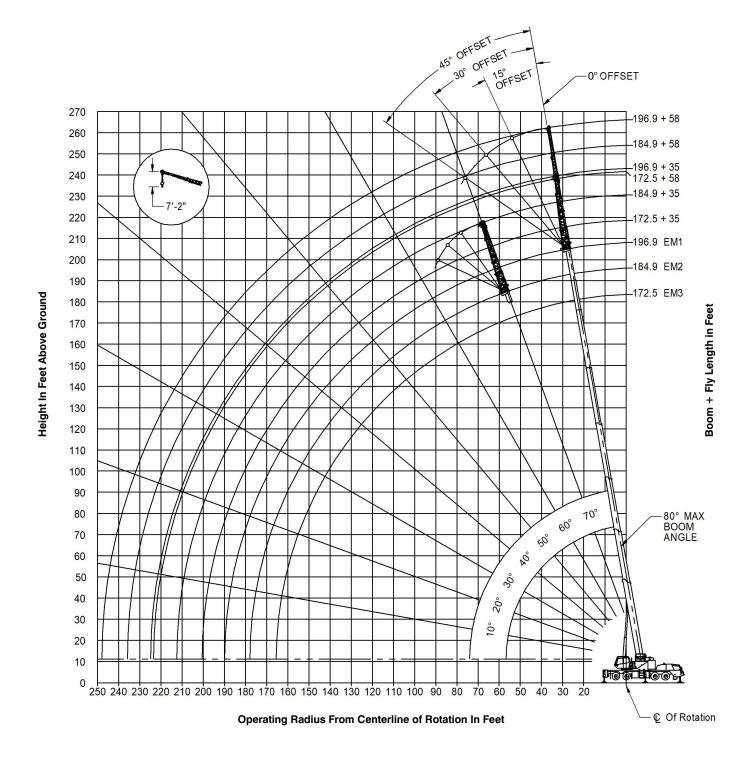
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Working Range Diagram Main Boom + 9.5' Fly

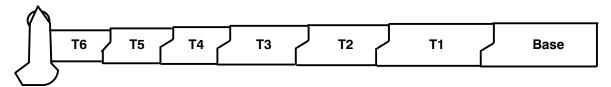


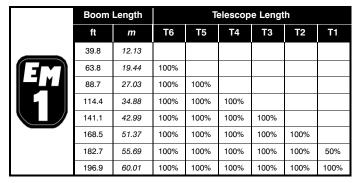
Operating Radius From Centerline of Rotation In Feet

Working Range Diagram Main Boom + Attachments

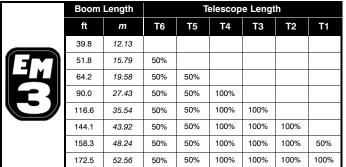


Boom Extend Modes

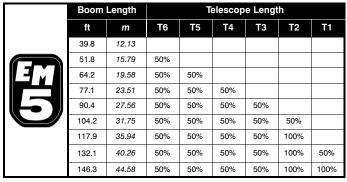




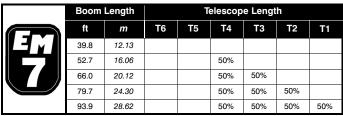
| | Boom | Length | Telescope Length | | | | | | | |
|----|-------|--------|------------------|------|------|------|------|------|--|--|
| | ft | m | T6 | T5 | T4 | Т3 | T2 | T1 | | |
| EM | 39.8 | 12.13 | | | | | | | | |
| | 51.8 | 15.79 | 50% | | | | | | | |
| | 76.7 | 23.37 | 50% | 100% | | | | | | |
| | 102.4 | 31.22 | 50% | 100% | 100% | | | | | |
| | 129.1 | 39.34 | 50% | 100% | 100% | 100% | | | | |
| | 156.5 | 47.72 | 50% | 100% | 100% | 100% | 100% | | | |
| | 170.7 | 52.04 | 50% | 100% | 100% | 100% | 100% | 50% | | |
| | 184.9 | 56.36 | 50% | 100% | 100% | 100% | 100% | 100% | | |

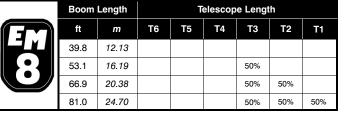


| | Boom | Length | Telescope Length | | | | | | |
|--|-------|--------|------------------|-----|-----|------|------|------|--|
| | ft | m | Т6 | T5 | T4 | ТЗ | T2 | T1 | |
| | 39.8 | 12.13 | | | | | | | |
| | 51.8 | 15.79 | 50% | | | | | | |
| | 64.2 | 19.58 | 50% | 50% | | | | | |
| | 77.1 | 23.51 | 50% | 50% | 50% | | | | |
| | 103.7 | 31.62 | 50% | 50% | 50% | 100% | | | |
| | 131.2 | 40.00 | 50% | 50% | 50% | 100% | 100% | | |
| | 145.4 | 44.32 | 50% | 50% | 50% | 100% | 100% | 50% | |
| | 159.6 | 48.64 | 50% | 50% | 50% | 100% | 100% | 100% | |



| | Boom | Length | Telescope Length | | | | | | |
|----|-------|--------|------------------|-----|-----|-----|-----|------|--|
| EM | ft | m | Т6 | T5 | T4 | Т3 | T2 | T1 | |
| | 39.8 | 12.13 | | | | | | | |
| | 52.3 | 15.93 | | 50% | | | | | |
| | 65.1 | 19.85 | | 50% | 50% | | | | |
| 6 | 78.4 | 23.91 | | 50% | 50% | 50% | | | |
| | 92.2 | 28.10 | | 50% | 50% | 50% | 50% | | |
| | 106.4 | 32.42 | | 50% | 50% | 50% | 50% | 50% | |
| | 120.5 | 36.74 | | 50% | 50% | 50% | 50% | 100% | |





Main Boom Lift Capacity Charts

| 16,000 lb Counterweight — Fully Extended Outriggers — 360° Rotation (All Capacities Are Listed In Pounds) | | | | | | | | | | | | | | |
|--|------------------|-----------------|----------------|-----------------|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------|-------------------|--------|----------------|
| Radius | Boom Length (ft) | | | | | | | | | | | | | Darting |
| (ft) | 39.81 | 51.80- 53.12 | 63.78- 66.9 | 76.69- 81.03 | 88.67- 93.9 | 102.44- 106.36 | 114.43- 120.52 | 129.06- 132.09 | 141.05- 146.25 | 156.55- 159.56 | | 182.71- 184.89 | 196.87 | Radius (ft) |
| 10 | 166,000 | 165,100 | 161,200 | | | | | | | | | | | 10 |
| 12 | 142,700 | 142,900 | 140,400 | 133,700 | | | | | | | | | | 12 |
| 15 | 113,700 | 115,900 | 114,200 | 111,800 | 92,500 | | | | | | | | | 15 |
| 20 | 82,900 | 85,900 | 85,800 | 86,100 | 83,300 | 65,300 | 44,700 | | | | | | | 20 |
| 25 | 63,600 | 66,900 | 68,000 | 67,900 | 67,400 | 65,300 | 51,300 | 37,700 | 20,300 | | | | | 25 |
| 30 | 47,000 | 51,800 | 54,800 | 55,600 | 55,500 | 54,600 | 50,500 | 37,700 | 31,000 | 24,900 | 12,600 | | | 30 |
| 35 | | 39,600 | 42,000 | 42,800 | 42,700 | 41,900 | 41,300 | 37,700 | 31,000 | 24,900 | 20,000 | 12,700 | | 35 |
| 40 | | 30,900 | 33,300 | 34,200 | 34,100 | 34,000 | 32,700 | 32,800 | 30,900 | 24,900 | 20,000 | 12,700 | 10,500 | 40 |
| 45 | | 24,100 | 27,100 | 28,000 | 28,000 | 27,900 | 28,300 | 26,800 | 26,300 | 24,900 | 20,000 | 12,700 | 10,500 | 45 |
| 50 | | | 22,300 | 23,300 | 23,900 | 23,300 | 23,600 | 23,200 | 22,500 | 21,700 | 20,000 | 12,700 | 10,500 | 50 |
| 55 | | | 18,600 | 19,700 | 20,200 | 19,600 | 20,000 | 20,600 | 19,800 | 19,500 | 17,400 | 12,700 | 10,500 | 55 |
| 60 | | | | 17,100 | 17,200 | 17,600 | 17,100 | 17,600 | 16,500 | 16,600 | 14,700 | 12,700 | 10,500 | 60 |
| 65 | | | | 14,700 | 15,100 | 15,700 | 15,100 | 15,400 | 15,900 | 14,400 | 13,500 | 12,700 | 10,500 | 65 |
| 70 | | | | 12,200 | 13,900 | 13,600 | 14,100 | 13,300 | 14,000 | 12,300 | 12,600 | 11,500 | 10,500 | 70 |
| 75 | | | | | 12,100 | 11,900 | 12,700 | 11,600 | 12,200 | 10,600 | 11,200 | 10,400 | 9,700 | 75 |
| 80 | | | | | 10,600 | 10,400 | 11,200 | 10,100 | 10,700 | 9,100 | 9,700 | 8,900 | 8,200 | 80 |
| 85 | | | | | 5,900 | 9,000 | 9,900 | 8,800 | 9,400 | 7,800 | 8,400 | 7,600 | 7,000 | 85 |
| 90 | | | | | | 7,900 | 8,700 | 7,700 | 8,300 | 6,700 | 7,300 | 6,500 | 5,900 | 90 |
| 95 | | | | | | 6,900 | 7,700 | 6,700 | 7,300 | 5,700 | 6,300 | 5,600 | 4,900 | 95 |
| 100 | | | | | | | 6,800 | 5,800 | 6,400 | 4,900 | 5,400 | 4,700 | 4,100 | 100 |
| 105 | | | | | | | 6,000 | 5,000 | 5,600 | 4,100 | 4,700 | 3,900 | 3,300 | 105 |
| 110 | | | | | | | 2,400 | 4,300 | 4,900 | 3,400 | 4,000 | 3,200 | 2,600 | 110 |
| 115 | | | | | | | | 3,600 | 4,300 | 2,800 | 3,300 | 2,600 | 2,000 | 115 |
| 120 | | | | | | | | 3,000 | 3,700 | 2,200 | 2,800 | 2,000 | 1,400 | 120 |
| 125 | | | | | | | | | 3,100 | 1,700 | 2,200 | 1,500 | | 125 |
| 130 | | | | | | | | | 2,700 | 1,200 | 1,800 | | | 130 |
| 135 | | | | | | | | | | | 1,300 | | | 135 |

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.

5864—0923—U5 **15**

36,500 lb Counterweight – Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Pounds) Boom Length (ft) Radius Radius 76.69-102.44- 114.43-182.71-63.78-88.67-129.06-141.05- 156.55-168.53-51.80-(ft) 39.81 196.87 (ft) 53.12 66.9 81.03 93.9 106.36 | 120.52 | 132.09 146.25 | 159.56 | 172.44 184.89 10 166,000 166,900 162,400 10 12 148,200 151,800 149,600 134,200 12 15 127,600 128,600 127,200 124,300 92,500 15 20 65,300 20 93,700 96,500 95,700 94,300 92,000 44,700 25 72,400 75.600 75.300 76,400 75.200 65.300 51.300 37.700 20.300 25 57,800 30 61,200 62,500 62,500 61,700 60,200 51,300 37,700 31,000 24,900 12,600 30 35 50,700 52,000 52,200 53,400 52,600 48,400 37,700 31,000 24,900 20,000 12,700 35 45,100 24,900 20,000 40 40 42,700 45,800 45,700 45,000 41,800 37,700 31,000 12,700 10,500 45 34,900 37,800 38,800 38,700 37,900 37,200 36,300 31,000 24,900 20,000 12,700 10,500 45 31,800 32,700 24,900 20,000 12,700 10,500 50 50 32,700 32,000 31,600 30,700 29,800 55 27,000 28,000 28,100 27,500 26,900 27,000 26,100 24,900 20,000 12,700 10,500 55 60 24,200 24,300 24,300 23,200 23,300 23,600 22,800 20,000 12,700 10,500 60 65 21,100 21,200 21,200 21,000 20,200 20,600 20,300 19,100 12,700 10,500 65 70 18,500 18,600 18,600 19,000 17,900 18,000 18,500 16,500 12,700 10,500 70 75 16,700 16,400 16,800 16,600 15,900 16,400 14,600 12,700 10,500 75 80 80 15,000 14,600 15,100 15,700 14,600 14,700 13,900 12,700 10,500 85 11,200 13.000 13.400 14.000 13.900 13.100 12.600 11.700 10.500 85 90 12.000 12.000 12.600 13.200 11.700 12.200 11.500 10.500 90 95 11,300 10,700 11,300 11,900 10,400 11,000 10,300 9,600 95 9,900 8,500 100 9,900 10,200 10,800 9,300 9,200 100 105 9,400 9,100 9,800 8,300 8,900 8,200 7,500 105 6,400 8,200 8,900 8,000 7,300 6,700 110 7,400 110 115 7,400 8,000 6,600 7,200 6,500 5,900 115 120 6,700 7,300 5,900 6,400 5,700 5,100 120 125 6,600 5,200 5,700 5,100 4,500 125 130 6,000 4,600 5,100 4,400 3,900 130 135 3,500 4,000 4,500 3,900 3,300 135 2,800 140 3,500 4,000 3,300 140 145 3,000 3,500 2,900 2,200 145 150 3.100 2.400 1.700 150 155 2,700 1,900 1,300 155 160 2,300 1,500 160 165 1,100 165

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.

49,100 lb Counterweight — Fully Extended Outriggers — 360° Rotation (All Capacities Are Listed In Pounds) Boom Length (ft) Radius Radius 51.80-102.44- 114.43- 129.06-63.78-76.69-88.67-141.05-156.55- 168.53-182.71-(ft) 39.81 196.87 (ft) 66.9 106.36 120.52 132.09 146.25 53.12 81.03 93.9 159.56 172.44 184. 240.000 7 205,000 8 8 180,000 9 9 10 166,000 167,700 162,800 10 148,200 152,900 150.100 12 134,200 12 127,700 133,800 132,600 128,700 92,500 15 15 20 100,300 102,300 102,000 100,400 92,500 65,300 44,700 20 77,800 80,900 80,200 65,300 51,300 25 80,500 81,300 37,700 20,300 25 30 62,300 65,700 66,900 66,800 65,900 64,400 51,300 37,700 31,000 24,900 12,600 30 54,600 35 55,900 56,100 56,100 56,300 48,400 37,700 31,000 24,900 20,000 12,700 35 47,600 20,000 12,700 40 46,100 48,200 37,700 31,000 10.500 47,800 49,000 43,800 24,900 40 41,900 12.700 45 38.800 41.900 42,700 42.600 38,800 37,700 31,000 24,900 20,000 10.500 45 37.400 36.700 20.000 50 36.600 37.300 34,200 35.100 31.000 24,900 12.700 10.500 50 33,000 33,000 32,400 31,600 24,900 20,000 12,700 10,500 32,200 31,000 29,900 55 55 27,900 20,000 12,700 60 28,800 28,900 28,400 26,900 27,100 24,900 10.500 60 24,400 25,300 25,400 24,900 24,500 23,600 23,000 20,000 12,700 10,500 65 65 21,000 22,500 22,300 21,500 21,600 20,000 12,700 10.500 70 21,100 21,100 70 20,000 20,000 19,100 19,100 19,500 18,700 18,000 12,700 10,500 75 75 80 17,800 17,900 17,200 17,400 15,900 12,700 10,500 17,000 16,700 80 12,700 10,500 85 13,400 16,000 16,200 15,300 15,700 16,000 14,300 85 14,600 90 14,500 14,900 13,900 14,100 13,900 12,700 10,500 90 11,800 13,000 95 13,500 13,200 12,700 13,200 12,600 10,500 95 12,500 10,500 100 100 12,200 12,000 11,900 12,500 11,500 105 11,000 11,600 11,400 10,800 11,400 10,600 10.000 105 8,700 10.600 10.800 9.800 10.300 9.600 9.000 110 110 9,600 10,300 8.800 9,400 8,700 8.100 115 115 9,400 8,500 120 8,800 8.000 7,900 7,300 120 8,600 7,800 7,100 6,500 125 7,200 125 7,900 7,100 6,400 5.800 130 6.500 130 135 5,400 5,900 6,400 5,700 5,200 135 5,800 4,600 140 140 5,300 5,100 4,000 145 4,700 5,300 4,600 145 4,700 150 4,100 2,900 150 155 4,300 3,600 2,400 155 160 3,800 3,100 2,000 160 2,600 2,000 165 165 2,200 1.500 170 170 175 1,100 175

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.

5864-0923-U5 **17**

Main Boom + Offset Fly Lift Capacity Charts

| 16,000 lb Counterweight — Fully Extended Outriggers — 360° Rotation (All Capacities Are Listed In Pounds) | | | | | | | | | | | | | | |
|---|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------|--------|
| | Main Boom + 9.5 ft Manual Offset Fly (0°, 15°, 30°, 45° Offset) | | | | | | | | | | | | | |
| Radius | Boom Length (ft) | | | | | | | | | | | | | Radius |
| (ft) | 39.81 | 51.80- 53.1 | 63.78- 66.9 | 76.69- 81.0 | 88.67- 93.9 | 102.44- 106 | 114.43- 120 | 129.06- 132 | 141.05- 146 | 156.55- 159 | 168.53- 172 | 182.71- 184 | 196.87 | (ft) |
| 10 | 43,500 | 44,500 | 45,200 | | | | | | | | | | | 10 |
| 12 | 42,500 | 43,700 | 44,400 | 44,800 | | | | | | | | | | 12 |
| 15 | 41,100 | 42,500 | 43,400 | 43,900 | 44,000 | | | | | | | | | 15 |
| 20 | 38,000 | 40,500 | 41,900 | 42,600 | 42,800 | 42,700 | 34,900 | | | | | | | 20 |
| 25 | 35,600 | 38,100 | 40,000 | 41,300 | 41,700 | 41,600 | 41,200 | 29,600 | 12,800 | | | | | 25 |
| 30 | 34,700 | 36,200 | 38,100 | 39,600 | 40,400 | 40,400 | 40,400 | 29,600 | 25,500 | 14,800 | | | | 30 |
| 35 | 34,000 | 34,700 | 36,600 | 37,900 | 38,600 | 38,800 | 37,600 | 29,600 | 25,500 | 21,000 | 13,200 | 9,800 | | 35 |
| 40 | 30,100 | 32,000 | 32,700 | 32,600 | 33,700 | 32,800 | 32,100 | 29,600 | 25,500 | 21,000 | 13,200 | 10,900 | 9,000 | 40 |
| 45 | | 26,000 | 27,600 | 28,000 | 27,700 | 27,400 | 26,100 | 26,100 | 24,100 | 21,000 | 13,200 | 10,900 | 9,000 | 45 |
| 50 | | 21,900 | 23,000 | 23,300 | 23,000 | 22,800 | 23,000 | 21,500 | 21,600 | 19,700 | 13,200 | 10,900 | 9,000 | 50 |
| 55 | | 17,400 | 19,400 | 19,700 | 19,400 | 19,200 | 19,400 | 19,100 | 18,200 | 16,200 | 13,200 | 10,900 | 9,000 | 55 |
| 60 | | | 16,500 | 16,800 | 17,000 | 16,300 | 16,500 | 16,900 | 15,500 | 14,600 | 13,200 | 10,900 | 9,000 | 60 |
| 65 | | | 14,200 | 14,600 | 14,700 | 14,600 | 14,300 | 14,700 | 13,100 | 13,100 | 12,000 | 10,900 | 9,000 | 65 |
| 70 | | | | 12,900 | 12,700 | 13,200 | 12,600 | 12,700 | 12,800 | 11,500 | 10,700 | 10,000 | 9,000 | 70 |
| 75 | | | | 11,200 | 11,300 | 11,500 | 11,700 | 10,900 | 11,500 | 9,800 | 10,300 | 9,500 | 8,800 | 75 |
| 80 | | | | 8,100 | 10,500 | 10,000 | 10,600 | 9,400 | 10,000 | 8,300 | 8,900 | 8,100 | 7,400 | 80 |
| 85 | | | | | 9,200 | 8,700 | 9,300 | 8,200 | 8,700 | 7,100 | 7,600 | 6,800 | 6,100 | 85 |
| 90 | | | | | 8,100 | 7,600 | 8,200 | 7,100 | 7,600 | 6,000 | 6,500 | 5,700 | 5,000 | 90 |
| 95 | | | | | 2,100 | 6,600 | 7,200 | 6,100 | 6,600 | 5,000 | 5,500 | 4,700 | 4,000 | 95 |
| 100 | | | | | | 5,800 | 6,300 | 5,200 | 5,700 | 4,100 | 4,600 | 3,900 | 3,200 | 100 |
| 105 | | | | | | 3,900 | 5,500 | 4,400 | 4,900 | 3,400 | 3,900 | 3,100 | 2,400 | 105 |
| 110 | | | | | | | 4,800 | 3,700 | 4,200 | 2,700 | 3,200 | 2,400 | 1,800 | 110 |
| 115 | | | | | | | 4,200 | 3,100 | 3,600 | 2,100 | 2,600 | 1,800 | 1,100 | 115 |
| 120 | | | | | | | | 2,600 | 3,000 | 1,500 | 2,000 | 1,200 | | 120 |
| 125 | | | | | | | | 2,100 | 2,500 | | 1,500 | | | 125 |
| 130 | | | | | | | | 1,600 | 2,100 | | 1,000 | | | 130 |
| 135 | | | | | | | | | 1,600 | | | | | 135 |
| 140 | | | | | | | | | 1,300 | | | | | 140 |

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.

36,500 lb Counterweight - Fully Extended Outriggers - 360° Rotation

(All Capacities Are Listed In Pounds) Main Boom + 9.5 ft Manual Offset Fly (0°, 15°, 30°, 45° Offset) Radius Radius Boom Length (ft) (ft) 102.44-114.43-(ft) 63.78-88.67-129.06-141.05-156.55-168.53-51.80-76.69 182.71 39.81 196.87 53.1 66.9 81.0 93.9 106 120 132 146 159 172 184 10 43,500 44,500 45,200 10 44,400 44,800 12 42,500 43,700 12 44,000 15 41,100 42,500 43,400 43,900 15 38.000 20 40.500 41.900 42.600 42.800 42.700 34.900 20 25 35,600 38,100 40,000 41,300 41,700 41,600 41,200 29,600 12,800 25 30 34,700 36,200 38,100 39,600 40,400 40,400 40,400 29,600 25,500 14,800 30 35 34,000 34,700 36,600 38,100 39,000 39,200 39,400 29,600 25,500 21,000 13,200 9,800 35 9,000 40 34,000 37,700 38,100 38,400 21,000 10,900 34,600 35,200 36,700 29,600 25,500 13,200 40 45 33,900 34,700 35,400 36,200 35,100 34,600 26,200 25,500 21,000 13,200 10,900 9,000 45 50 30,900 31,500 31,400 30,600 31,700 31,000 29,600 25,500 21,000 13,200 10,900 9,000 50 55 25,800 26,900 27,200 27,800 27,000 26,400 26,300 24,500 21,000 13,200 10,900 9,000 55 60 24,100 24,400 24,100 23,300 22,700 22,600 21,700 20,900 13,200 10,900 9,000 60 65 21,100 21,300 21,000 20,800 19,700 19,600 19,800 17,900 13,200 10,900 9,000 65 70 17,900 18,800 18,500 18,300 17,100 17,300 15,600 13,200 10,900 9,000 70 75 16,700 16,400 16,100 16,300 15,100 15,300 14,500 13,200 10,900 9,000 75 80 13.600 14.600 14,400 14.600 13.900 13.500 13.100 12.000 10.900 9.000 80 85 13.000 12.800 13.000 13.200 12.100 12.300 11.500 10.900 9.000 85 90 12,100 11,400 11,600 12,000 11,400 10,900 10,600 9,800 9,000 90 95 6,900 10,200 10,300 10,700 10,800 9,700 10,200 9,400 8,700 95 9,200 9,200 100 100 9,600 10,100 8,600 9,100 8,300 7,700

8,300

7,500

7,100

4,700

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7,000

6,200

5,600

5,000

9,100

8,200

7,400

6,700

6,000

5,400

4,900

4,400

7,600

6,700

5,900

5,200

4,500

3,900

3,400

2,900

2.400

1,900

8,100

7,200

6,400

5,700

5,000

4,400

3,800

3,300

2.900

2,400

2,000

1,600

1,200

7,300

6,500

5,700

4,900

4,300

3,700

3,100

2,600

2.100

1,600

1,100

6,700

5,800

5,000

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1,900

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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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49,100 lb Counterweight — Fully Extended Outriggers — 360° Rotation (All Capacities Are Listed In Pounds) Main Boom + 9.5 ft Manual Offset Fly (0°, 15°, 30°, 45° Offset) Radius Boom Length (ft) Radius 102.44-(ft) (ft) 51.80-88.67-114.43-129.06-168.53-63.78-76.69-141.05-156.55-182.71 39.81 196.87 53.1 66.9 81.0 93.9 106 120 132 146 159 172 184 10 43,500 44,500 45,200 10 44,800 12 42,500 43,700 44,400 12 44,000 15 41,100 42,500 43,400 43,900 15 20 38.000 40.500 41.900 42.600 42.800 42,700 34.900 20 25 35,600 38,100 40,000 41,300 41,700 41,600 41,200 29,600 12,800 25 30 34,700 36,200 38,100 39,600 40,400 40,400 40,400 29,600 25,500 14,800 30 35 34,000 34,700 36,600 38,100 39,000 39,200 39,400 29,600 25,500 21,000 13,200 9,800 35 36,700 38,100 38,400 9,000 40 40 34,000 34,600 35,200 37,700 29,600 25,500 21,000 13,200 10,900 37,000 45 33,900 34,700 35,600 36,600 37,400 29,600 25,500 21,000 13,200 10,900 9,000 45 50 33,900 34,300 34,700 35,300 34,200 33,100 29,600 25,500 21,000 13,200 10,900 9,000 50 55 26,300 32,000 31,900 31,200 30,700 29,400 29,600 25,500 21,000 13,200 10,900 9,000 55 60 27,900 27,700 27,800 28,000 27,300 26,300 25,500 21,000 13,200 10,900 9,000 60 65 24,500 25,000 25,300 24,500 23,900 22,900 22,900 21,000 13,200 10,900 9,000 65 70 70 22,700 22,400 21,600 21,000 21,000 20,100 19,300 13,200 10,900 9,000 75 20,300 19,900 19,200 18,600 18,500 18,400 16,900 13,200 10,900 9,000 75 80 17.000 17.900 17.600 16.500 16.400 16.700 15.000 13.200 10.900 9.000 80 85 16.000 15.800 14.800 14.800 15.000 14.200 13.200 10.900 9.000 85 90 90 14,500 14,300 13,800 13,200 13,400 13,100 12,000 10,900 9,000 95 9,600 12,900 13,000 11,800 12,000 12,400 11,700 10,900 9,000 95 9,000 100 100 11,700 11,800 11,200 10,800 11,200 10,600 9,800 10,600 105 105 10,700 10,600 9,800 10,100 10,500 9,800 9,000 110 9,700 9,900 9,300 9,100 9,500 8,800 8,100 110 115 8,800 9,200 8,800 8,200 8,600 7,900 7,200 115 120 6,600 8,400 8,400 7,300 7,800 7,100 6,400 120 125 7,600 8,000 6,600 7,000 6,300 5,700 125 130 130 6,900 7,400 5,900 6,300 5,600 5,000 135 6,800 5,300 5,700 5,000 4,300 135 140 6,200 4,700 5,100 4,400 3,700 140 145 4.200 4.600 3.900 3.100 145 150 3,700 4,100 3,300 2,600 150 155 3,600 2,800 2,100 155 2,300 160 160 3,200 1,600 165 2,700 1,900 1,200 165 170 170 1,500 175 1,100 175

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.

16,000 lb Counterweight — Fully Extended Outriggers — 360° Rotation (All Capacities Are Listed In Pounds)

196.87 ft Main Boom Length 35 ft Manual Offset Fly Radius **Radius** (ft) 45° (ft) **0**° 15° 30° 50 5,800 50 55 5,800 55 60 5,800 6,000 60 65 5,800 6,000 65 70 5,800 6,000 6,600 70 75 5,800 6,000 6,600 75 80 5,800 6,000 6,600 7,100 80 85 5,800 6,000 6,600 7,100 85 90 5,500 6,000 6,600 7,100 90 95 4,600 6.200 6,800 95 5,500 100 3,700 4,500 5,200 5,800 100 105 2,900 3,700 4,400 4,900 105 110 2,200 3,000 3,600 4,000 110 115 1,600 2,300 2,800 3,300 115 120 1,700 2,200 2,600 120 125 1,100 1,600 1,900 125 130 1,100 1,400 130 135 135 140 140 145 145

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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36,500 lb Counterweight — Fully Extended Outriggers — 360° Rotation (All Capacities Are Listed In Pounds)

196.87 ft Main Boom Length 35 ft Manual Offset Fly 58 ft Manual Offset Fly Radius Radius (ft) (ft) 0° 15° 45° **0**° 15° 30° 45° 30° 50 5,800 50 55 5,800 4,000 55 5,800 6,000 4,000 60 60 6,000 4,000 65 5,800 65 6,000 70 5,800 6,600 4,000 70 75 5,800 6,000 6,600 4,000 4,200 75 80 5,800 6,000 6,600 7,100 4,000 4,200 80 7,100 85 5,800 6,000 6,600 4,000 4,200 85 5,800 6,000 4,200 4,800 90 90 6,600 7,100 4,000 6.000 4.800 95 5.800 6.600 7,100 4,000 4,200 95 6.000 100 5.800 6.600 7,100 4.000 4.200 4.800 5.000 100 5,800 6,000 4,200 4,800 105 105 6,600 7,100 4,000 4,900 110 5,800 6,000 6,600 7,100 4,000 4,200 4,800 4,900 110 5,500 6,000 6,600 4,000 4,200 4,800 115 115 7,100 4,800 4,700 5,300 4,200 4,800 120 120 5,900 6,200 4,000 4,800 125 4,100 4,600 5,400 4,000 4,200 4,800 125 5,100 4,800 130 3,400 4,000 4,400 4,700 4,000 4,200 4,800 4,700 130 135 2,900 3,400 3,800 4,100 3,400 4,200 4,800 4,700 135 2,300 140 2,800 3,200 3,500 2,900 3,700 4,400 4,700 140 1,800 2,300 3,200 3,800 145 2,700 2,900 2,400 4,300 145 1,300 1,800 2,400 2,700 3,300 150 2,200 1,900 3,700 150 1,400 1,300 1,600 1,800 2,200 2,800 155 155 3,200 2.300 160 1,100 1,300 1,000 1.700 2.700 160 165 1,300 1,800 2,200 165 1,400 170 170 1,700 1,200 175 900 175

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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49,100 lb Counterweight — Fully Extended Outriggers — 360° Rotation (All Capacities Are Listed In Pounds)

196.87 ft Main Boom Length 35 ft Manual Offset Fly 58 ft Manual Offset Fly Radius Radius (ft) **0**° 15° 30° 45° **0**° 15° 45° (ft) 30° 50 5,800 50 55 5,800 4,000 55 60 5,800 6,000 4,000 60 6,000 65 5,800 4,000 65 70 5,800 6,000 6,600 4,000 70 75 5,800 6,000 6,600 4,000 4,200 75 80 5,800 6,000 6,600 7,100 4,000 4,200 80 85 5,800 6,000 6,600 7,100 4,000 4,200 85 6,000 6,600 7,100 4,200 4,800 90 5,800 4,000 90 6.000 4.800 95 5.800 6.600 7.100 4.000 4.200 95 4.800 100 5.800 6.000 6.600 7.100 4.000 4.200 5.000 100 6,000 6,600 4,800 4,900 105 105 5,800 7,100 4,000 4,200 110 5,800 6,000 6,600 7,100 4,000 4,200 4,800 4,900 110 5,800 6,000 6,600 4,000 4,200 4,800 4,800 115 115 7,100 5,800 6,000 6,600 4,200 4,800 120 7,100 4,000 4,800 120 125 5,800 6,000 6,600 7,100 4,000 4,200 4,800 4,800 125 4,800 130 5,400 5,900 6,400 6,700 4,000 4,200 4,700 130 135 4,800 5,300 5,700 6,000 4,000 4,200 4,800 4,700 135 140 4,200 4,600 5,000 5,300 4,000 4,200 4,800 4,700 140 3,600 4,100 4,400 4,600 4,200 4,800 4,600 145 145 4,000 3,500 4,800 150 3,000 3,900 4,100 3,600 4,200 4,600 150 2,500 3,000 3,300 3,500 3,800 4,400 4,600 155 155 3,100 160 2.000 2.400 2.800 2.900 2.600 3.300 3.900 4.200 160 165 1,600 2,000 2,200 2,400 2,100 2,800 3,400 3,700 165 1,500 170 1,100 1,800 1,900 1,700 2,400 2,900 3,200 170 1,100 1,300 1,900 2,400 2,700 175 175 1,400 1,300 900 900 1,500 1,900 180 180 1,000 2,200 185 1,100 1,500 1,700 185 190 1,100 1,300 190 195 900 195

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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120|LB Link-Belt Cranes