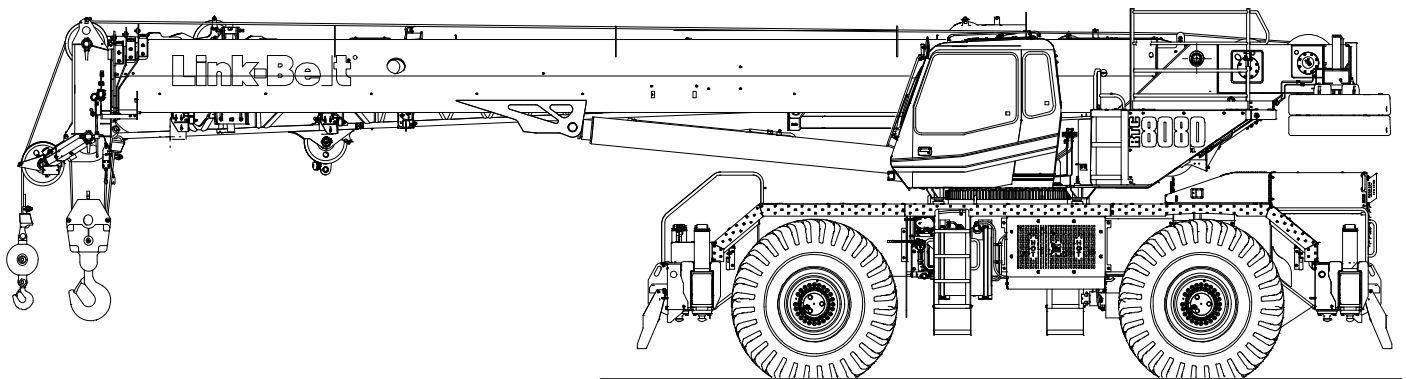


Technical Data

Specifications & Capacities

RTC 8080

Series II
80 US ton
80 metric ton



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

Table Of Contents

| | |
|---|-----------|
| Boom, Attachments, and Upper Structure | 1 |
| Boom | 1 |
| Boom | 1 |
| Boom Wear Pads | 1 |
| Boom Head | 1 |
| Boom Elevation | 1 |
| Auxiliary Lifting Sheave – Optional | 1 |
| Hook Blocks and Balls – Optional | 1 |
| Fly – Optional | 1 |
| Fly Extensions – Optional | 1 |
| Operator’s Cab and Controls | 2 |
| Swing | 3 |
| Electrical | 3 |
| Load Hoist System | 4 |
| Load Hoist Performance | 4 |
| 2M Main and Optional Auxiliary Winches | 4 |
| Hydraulic System | 4 |
| Counterweight | 4 |
| Carrier | 5 |
| General | 5 |
| Outriggers | 5 |
| Steering and Axles | 5 |
| Suspension | 5 |
| Tires and Wheels | 5 |
| Brakes | 5 |
| Electrical | 5 |
| Engine | 5 |
| Transmission | 5 |
| Carrier Speeds and Gradeability | 6 |
| Fuel Tank | 6 |
| Hydraulic System | 6 |
| Pump Drive | 6 |
| Axle Loads | 7 |
| General Dimensions | 8 |
| General Dimensions | 9 |
| Main Boom Working Range Diagram – Standard | 10 |
| Main Boom Lift Capacity Charts – Standard | 11 |
| 19,200 lb Counterweight – Fully Extended Outriggers – 360° Rotation | 11 |
| Fly Attachment Lift Capacity Charts – Optional | 12 |
| 19,200 lb Counterweight – Fully Extended Outriggers – 360° Rotation | 12 |
| Main Boom Working Range Diagram – Metric | 14 |
| Main Boom Lift Capacity Charts – 75% – Metric | 15 |
| 8.8t Counterweight – Fully Extended Outriggers – 360° Rotation | 15 |
| Fly Attachment Lift Capacity Charts – 75% – Optional | 16 |
| 8.8t Counterweight – Fully Extended Outriggers – 360° Rotation | 16 |
| Main Boom Lift Capacity Charts – 85% – Metric | 18 |
| 8.8t Counterweight – Fully Extended Outriggers – 360° Rotation | 18 |
| Fly Attachment Lift Capacity Charts – 85% – Optional | 19 |
| 8.8t Counterweight – Fully Extended Outriggers – 360° Rotation | 19 |

This Page Intentionally Blank

Boom, Attachments, and Upper Structure

■ Boom

Design — Four section, formed construction of extra high tensile steel consisting of one base section and Three telescoping sections. The two plate design of each section has multiple longitudinal bends for superior strength.

Boom

- 41–127 ft (12.5–38.7m) four section boom
- Two boom extend modes (A—max and standard), controlled from the operator's cab, provide superior capacities by varying the extension of the telescoping sections:
 - A—max extends to 69.7 ft (21.2m)
 - Standard extends to 127 ft (38.7m)
- Mechanical boom angle indicator
- Maximum tip height for each extend mode is:
 - A—max is 80.3 ft (24.5m)
 - Standard is 136.7 ft (41.7m)

Boom Wear Pads

- Wear pads with Teflon inserts that self-lubricate the boom sections
- Bottom wear pads are universal for all boom sections, except for tip section
- 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

Boom Elevation

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

Auxiliary Lifting Sheave — Optional

- Single 16.5 in (41.9m) 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 (36.3t) 4 sheave quick—reeve hook block with safety latch
- 60 ton (54.4t) 4 sheave quick—reeve hook block with safety latch
- 80 ton (72.5t) 5 sheave quick—reeve hook block with safety latch
- 8.5 ton (7.7t) swivel and non—swivel hook balls with safety latch
- 10 ton (9.1t) swivel and non—swivel hook balls with safety latch

Fly — Optional

- 38 ft (11.6m) one piece lattice fly, stowable, offsettable to 2° , 15° , 30° , and 45° . Maximum tip height is 174.3 ft (53.1m).
- 38–64 ft (11.6–19.5m) two piece bi—fold lattice fly, stowable, offsettable to 2° , 15° , 30° , and 45° . Maximum tip height is 199.7 ft (60.9m).
- 10–38–64 ft (3.0–11.6–19.5m) three piece bi—fold lattice fly, stowable, offsettable 2° , 15° , 30° , and 45° . Maximum tip height is 199.7 ft (60.9m).

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 215.2 ft (65.6m).
- 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 230.9 ft (70.4m). Minimum of 19,200 lb (8.8t) of counterweight required.

■ 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 and washer
- 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
- Defroster fan for the front window
- Bubble level
- Circulating fan
- Adjustable sun visor
- Dome light
- Cup holder
- Fire extinguisher
- Left side viewing mirror
- Two position travel swing lock

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

Engine Dependant Warm—Water Heater — Optional — With air ducts for front windshield defroster and cab floor

Steering Column — Pedestal type with tilt and telescope functions for operator comfort. Column includes the following controls and indicators:

Left and right levers include:

- Horn button
- Turn signal switch
- Driving light switch
- Transmission direction switch

Panel mounted switches for:

- Travel park brake
- Steer mode selector
- 2/4 wheel drive/range selector
- Transmission gear selector
- Hazard flasher

Panel mounted indicator/warning lights for:

- Transmission temperature
- Travel park brake
- Service brake
- Turn signals
- Rear wheel offset
- Emergency steer — optional

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

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

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
- Service brake

Right Front Console — Controls and indicators for:

- | | |
|-------------------------------------|---|
| • Engine ignition | • 12 volt power connections |
| • Engine throttle lock | • E—stop switch |
| • Function disable | • Ignition switch on indicator light |
| • Front windshield wiper and washer | • Boom floodlight — optional |
| • Cab floodlights | • Rotating beacon/Strobe light — optional |
| • Warning horn | • Third wrap set and activate switches — optional |
| • Console dimmer switch | |
| • Bubble level | |
| • Emergency engine shutdown | |

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

- Tachometer
- Engine water temperature
- Fuel level
- Hydraulic oil temperature
- Stop engine
- Check engine
- Wait to start
- Diesel exhaust fluid (DEF) level
- Engine air filter high restriction light
- Regeneration light⁽¹⁾
- Regeneration inhibit switch⁽¹⁾
- Regeneration initiate switch⁽¹⁾
- High exhaust temperature light⁽¹⁾
- Regeneration disabled light⁽¹⁾
- Swing park brake light
- Engine speed
- Engine oil pressure
- Battery voltage
- Fuel rate (gal/hr)
- Engine load
- Engine Diagnostics

Camera Display – Located on dash console

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

Diagnostic Center – Located behind the operator's seat.

- Engine diagnostic
- RCL CANBUS diagnostic
- Crane Controller USB diagnostic
- RCL controller USB diagnostic

Link-Belt Pulse – The Link-Belt in-house designed, total crane operating system that utilizes the display as a readout and operator interface for the following systems:

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

⁽¹⁾ (Tier 4f / Stage IV engine only)

• **Telematics** – Cellular based data logging and monitoring system that provides:

- Location and operational settings
- Routine maintenance
- Crane and engine monitoring
- Diagnostic and fault codes

Integrated Third Wrap Indicator – Optional – Link-Belt Pulse color display visually and audibly warns the operator when the wire rope is on the first/bottom layer and when the wire rope is down to the last three wraps.

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

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

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

■ Swing

Motor/Planetary – Bi-directional hydraulic swing motor mounted to a planetary reducer for 360° continuous smooth swing at 1.9 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, 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 LED 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
- One LED working light on top of cab – optional
- Boom floodlight – Single – optional
- Boom floodlight – Dual – optional
- Boom floodlight – High intensity remote controlled – optional

Load Hoist System

Load Hoist Performance

| Main (Front) and Auxiliary (Rear) Winches – 3/4 in (19mm) Rope | | | | | | | | | | |
|--|-------------------|-------|-------------------|-------|-----------------|-------|-------|------|-------|-------|
| Layer | Maximum Line Pull | | Normal Line Speed | | High Line Speed | | Layer | | Total | |
| | lb | kN | ft/min | m/min | ft/min | m/min | ft | m | ft | m |
| 1 | 18,500 | 82.29 | 172 | 52.4 | 341 | 103.9 | 114 | 34.7 | 114 | 34.7 |
| 2 | 17,071 | 75.94 | 187 | 57.0 | 371 | 113.1 | 124 | 37.8 | 238 | 72.5 |
| 3 | 15,798 | 70.27 | 202 | 61.6 | 401 | 122.2 | 134 | 40.8 | 372 | 113.4 |
| 4 | 14,701 | 65.39 | 217 | 66.1 | 430 | 131.1 | 144 | 43.9 | 516 | 157.3 |
| 5 | 13,747 | 61.15 | 232 | 70.7 | 460 | 140.2 | 154 | 46.9 | 670 | 204.2 |
| 6 | --- | --- | --- | --- | --- | --- | 164 | 50.0 | 834 | 254.2 |

| Wire Rope Application | | in | mm | Type | lb | kN |
|-------------------------|----------|-----|----|--|--------|-------|
| Main (Rear) Winch | Standard | 3/4 | 19 | 18x19 rotation resistant – right regular lay (Type RB) | 12,920 | 57.47 |
| | Optional | 3/4 | 19 | 4 strand, low torque, right regular lay (Type GC) | 22,400 | 99.64 |
| | Optional | 3/4 | 19 | 34x7 rotation resistant – right regular lay (Type ZB) | 15,600 | 69.39 |
| Auxiliary (Front) Winch | Standard | 3/4 | 19 | 18x19 rotation resistant – right regular lay (Type RB) | 12,920 | 57.47 |
| | Optional | 3/4 | 19 | 4 strand, low torque, right regular lay (Type GC) | 22,400 | 99.64 |
| | Optional | 3/4 | 19 | 34x7 rotation resistant – right regular lay (Type ZB) | 15,600 | 69.39 |

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: 670 ft (204.2m)
 - Auxiliary: 500 ft (152.4m) or 670 ft (204.2m)
- Maximum rope storage: 834 ft (254.2m)
- Terminator style socket and wedge

Hydraulic System

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

Hydraulic Oil Coolers – One carrier mounted cooler removes heat from the hydraulic oil. Remote mounted on right side of the carrier.

Counterweight

Standard – Total of 19,200 lb (8.8t) counterweight consisting of two counterweights pinned to the upper with capacities for:

- 0 lb (0t) counterweight*
- 9,600 lb (4.4t) counterweight
- 19,200 lb (8.8t) counterweight

* Travel speed limited to 5 mph.

Optional – Hydraulic counterweight removal activated by a hand–held controller with enough cable to access the pins on each side of the counterweights.

Carrier

General

- 10 ft 9 in (3.28m) wide
- 14 ft 4 in (4.37m) wheelbase (centerline of first axle to centerline of second 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 carrier frame

Beams and Jacks — Four single stage beams with Confined Area Lifting Capacities (CALC™) provide selectable outrigger extensions of full, intermediate, and retracted. Hydraulically controlled from the operator's cab with integral check valves.

Pontoons — Four lightweight, quick release, 23.5 x 23.5 in (59.7 x 59.7cm), steel pontoons with contact area of 460 in² (2 968cm²) can be stored for road travel in storage racks on the carrier.

Main Jack Reaction — 108,000 lb (48 988kg) force and 235 psi (1 620kPa) ground bearing pressure

Steering and Axles

Steering — Four independent modes consisting of two wheel front, two wheel rear, four wheel, and crab. Each mode is controlled from the steering wheel and is selected by a switch in the operator's cab.

Drive — Two modes: 4 x 2 and 4 x 4 for off highway travel

Axle 1 — Steered, non—driven for 4 x 2 and steered, driven for 4 x 4

Axle 2 — Steered, driven

Suspension

Front — Rigid mount to the carrier frame

Rear — The rear axle is suspended on the oscillation cylinders with motion of the axle controlled by a four bar linkage system. The oscillation cylinders lockout when the upper structure rotates 2.5° past centerline.

- Hydro—gas rear suspension — optional

Ride Height Adjustment — Suspension can be lowered for transport using a hand—held controller from level ground.

Tires and Wheels

Front and Rear — Four (single) 29.5 x 25, earthmover type tires on steel disc wheels

- Spare tires and wheels — optional

Brakes

Service — Full hydraulic, dual circuit, disc type brakes on all wheel ends

Parking/Emergency — Spring applied type, acting on front axle

Electrical

Two batteries provide 12 volt starting and operation

Lights

- Front lighting includes two main headlights and two parking/directional indicators.
- Side lighting includes two parking/directional indicators per side.
- Rear lighting includes two parking/directional indicators, two parking/brake lights, and two reversing lights.
- Other equipment includes hazard/warning system, cab light, instrument panel light, and signal horn.

Engine

| Specification | Cummins QSB | |
|--|---------------------------------|----------------------------------|
| Numbers of Cylinders | 6 | 6 |
| Cycle | 4 | 4 |
| Emissions Compliance Level: | Tier 4f/Stage IV ⁽¹⁾ | Tier 3/Stage IIIA ⁽²⁾ |
| Bore and Stroke: inch (mm) | 4.21 x 4.88 (107 x 124) | 4.21 x 4.88 (107 x 124) |
| Piston Displacement: in ³ (L) | 408 (6.7) | 408 (6.7) |
| Max. Brake Horsepower: hp (kW) | 270 (201) @ 2,000 rpm | 270 (201) @ 2,000 rpm |
| | 260 (194) @ 2,200 rpm | 260 (194) @ 2,200 rpm |
| Peak Torque: ft lb (Nm) | 730 (990) @ 1,500 rpm | 730 (990) @ 1,500 rpm |
| Electric/starting systems: volts | 12/12 | 12/12 |
| Alternator: amps | 160 | 160 |
| Crankcase Capacity: qt (L) | 15 (14.2) | 15 (14.2) |

- Water/fuel separator w/ heater and water in fuel (WIF) sensor
- 120—volt block heater — Tier 4f / Stage IV
- 220—volt block heater — Tier 3 / Stage IIIA
- Grid heater — 200 amp
- Mechanically driven, variable speed, engine controlled, viscous fan clutch
- ⁽¹⁾ Can only be sold and/or operated where Tier 4f and Stage IV off—highway emission standards are accepted.
- ⁽²⁾ Can only be sold and/or operated where Tier 3 and Stage IIIA off—highway emission standards are accepted.

Transmission

Powershift — Three speed with high/low range for 6 forward and 6 reverse gears. Front axle disconnect for two or four wheel drive. Front axle disconnects in high range.

Carrier Speeds and Gradeability

| Spicer | | Speed | | | Gradeability (@ stall) |
|--------|------------------------------|-------|------|---------|------------------------|
| Gear | Ratio | mph | km/h | % Grade | |
| 6th | Forward & Reverse 2WD/Hi | 0.82 | 18.2 | 29.29 | 2.4 |
| 5th | | 2.25 | 7.7 | 12.39 | 10.2 |
| 4th | | 4.67 | 3.8 | 6.12 | 23.8 |
| 3rd | Forward & Reverse 4WD/Low | 2.4 | 7.3 | 11.75 | 11.0 |
| 2nd | | 6.54 | 2.7 | 4.35 | 35.2 |
| 1st | | 13.6 | 1.3 | 2.09 | 101.2 |

Based on a gross vehicle weight of 105,500 lb (47 854kg).

Crane operating angle must not exceed 35° (77% grade).

Fuel Tank

One 75 gal (283.9L) capacity tank

Diesel Exhaust Fluid (DEF) tank

- One 5 gal (18.9L) capacity tank

Hydraulic System

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

Main Pumps

- One two section fixed displacement gear pump for the front/rear winches and boom hoist/telescope circuits.
- One two section fixed displacement gear pump for the swing/steering and outrigger/telescope/service brake/oscillation circuits.
- One two section gear pump for an additional supply to the front/rear winch circuit and the hydraulic oil cooler fan drive.
- Combined pump capacity of 138 gpm (522.4Lpm)

Hydraulic Reservoir – 174 gal (658.7L) capacity equipped with sight level gauge. Diffusers built in for deaeration.

Filtration – One 10 micron, full flow return line filter. Accessible for easy filter replacement.

Pump Drive

One pump is mounted on the engine with the rest being transmission mounted. All pumps are mechanically driven by the diesel engine.

- Front/rear winches and boom hoist/telescope pump can be disconnected with a manual pump disconnect to aid in cold weather starting.

Axle Loads

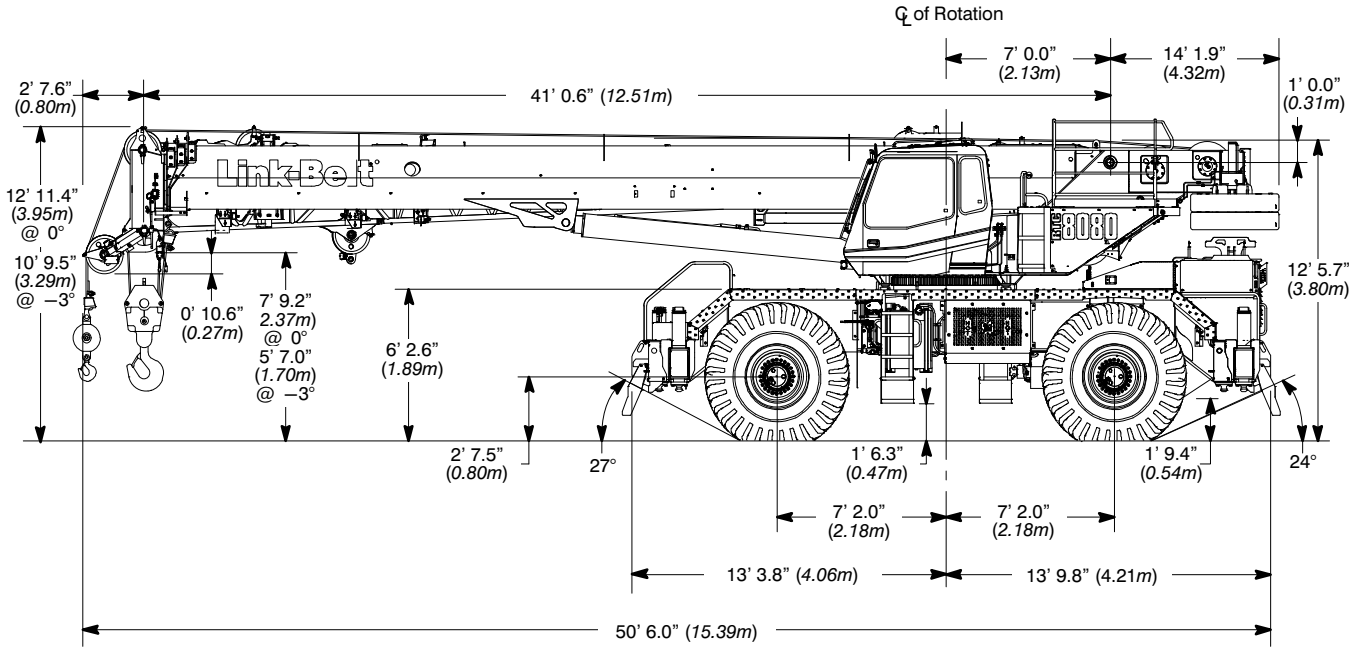
| Base crane with zero counterweight and full tank of fuel | Gross Vehicle Weight ⁽¹⁾ | Upper Facing Front | | | | Upper Facing Rear | | | | |
|---|-------------------------------------|--------------------|--------|------------|--------|-------------------|--------|------------|--------|--------|
| | | Front Axles | | Rear Axles | | Front Axles | | Rear Axles | | |
| | | lb | kg | lb | kg | lb | kg | lb | kg | |
| Tier 4f/ Stage IV | 81,125 | 36 798 | 52,515 | 23 820 | 28,610 | 12 977 | 21,959 | 9 960 | 59,166 | 26 837 |
| Tier 3/ Stage IIIA | 80,992 | 36 737 | 52,573 | 23 847 | 28,419 | 12 891 | 22,017 | 9 987 | 58,975 | 26 751 |
| Pintle hook, front | 13 | 6 | 17 | 8 | -5 | -2 | 17 | 8 | -5 | -2 |
| Pintle hook, rear | 13 | 6 | -5 | -2 | 18 | 8 | -5 | -2 | 18 | 8 |
| Hydro-gas suspension | 56 | 25 | 20 | 9 | 36 | 16 | 20 | 9 | 36 | 16 |
| Operator in cab | 250 | 113 | 140 | 64 | 110 | 50 | 110 | 50 | 140 | 64 |
| Hoist drum follower – main | 69 | 31 | -24 | -11 | 93 | 42 | 93 | 42 | -24 | -11 |
| Auxiliary winch with 500 ft (152.4m) wire rope | 616 | 279 | -75 | -34 | 691 | 313 | 691 | 313 | -75 | -34 |
| Hoist drum follower – auxiliary | 69 | 31 | -6 | -3 | 75 | 34 | 75 | 34 | -6 | -3 |
| Substitute 500 ft (152.4m) wire rope with 670 ft (204.2m) – auxiliary | 213 | 97 | -7 | -3 | 220 | 100 | 220 | 100 | -7 | -3 |
| Remove 670 ft (202.4m) wire rope from rear (main) winch | -856 | -388 | 187 | 85 | -1,043 | -473 | -1,043 | -473 | 187 | 85 |
| Remove 500 ft (152.4m) wire rope from front (auxiliary) winch | -643 | -292 | 21 | 10 | -664 | -301 | -664 | -301 | 21 | 10 |
| Counterweight removal | 300 | 136 | -89 | -40 | 389 | 176 | 389 | 176 | -89 | -40 |
| One slab of counterweight on upper | 9,600 | 4 355 | -3,356 | -1 522 | 12,956 | 5 877 | 12,956 | 5 877 | -3,356 | -1 522 |
| Two slabs of counterweight on upper | 19,200 | 8 709 | -6,712 | -3 045 | 25,912 | 11 754 | 25,912 | 11 754 | -6,712 | -3 045 |
| Emergency steering | 258 | 117 | 40 | 18 | 218 | 99 | 218 | 99 | 40 | 18 |
| 360° mechanical swing lock | 140 | 64 | 72 | 33 | 68 | 31 | 68 | 31 | 72 | 33 |
| Air conditioning | 128 | 58 | 37 | 17 | 91 | 87 | 91 | 87 | 37 | 17 |
| Floodlight to front of boom base section | 11 | 5 | 15 | 7 | -4 | -2 | -4 | -2 | 15 | 7 |
| Fly mounting brackets to boom base section for fly options | 225 | 102 | 306 | 39 | -81 | -37 | -81 | -37 | 306 | 139 |
| 38 ft (11.6m) offsettable fly – stowed | 1,659 | 753 | 2,895 | 1 313 | -1,236 | -561 | -1,236 | -561 | 2,895 | 1 313 |
| 38–64 ft (11.6–19.5m) offsettable fly – stowed | 2,401 | 1 089 | 3,888 | 1 764 | -1,487 | -675 | -1,487 | -675 | 3,888 | 1 764 |
| 10–38–64 ft (3.0–11.6–19.5m) offsettable fly – stowed | 2,762 | 1 253 | 4,728 | 2 145 | -1,966 | -892 | -1,966 | -892 | 4,728 | 2 145 |
| Auxiliary lifting sheave | 110 | 50 | 327 | 148 | -217 | -98 | -217 | -98 | 327 | 148 |
| 80 ton (72.5t) 5–sheave hook block at bumper | 1,406 | 638 | 2,134 | 968 | -728 | -330 | -728 | -330 | 2,134 | 968 |
| 60 ton (54.4t) 4–sheave hook block at bumper | 1,109 | 503 | 1,683 | 763 | -574 | -260 | -574 | -260 | 1,683 | 763 |
| 10 ton (9.1t) hook ball at bumper | 583 | 264 | 885 | 401 | -302 | -137 | -302 | -137 | 885 | 401 |
| 8.5 ton (7.7t) hook ball at bumper | 360 | 163 | 546 | 248 | -186 | -84 | -186 | -84 | 546 | 248 |
| 80 ton (72.5t) 5–sheave hook block at boom head | 1,406 | 638 | 4,031 | 1 828 | -2,625 | -1 191 | -2,625 | -1 191 | 4,031 | 1 828 |
| 60 ton (54.4t) 4–sheave hook block at boom head | 1,109 | 503 | 3,180 | 1 442 | -2,071 | -939 | -2,071 | -939 | 3,180 | 1 442 |
| 10 ton (9.1t) hook ball at boom head | 583 | 264 | 1,672 | 758 | -1,089 | -494 | -1 089 | -494 | 672 | 758 |
| 8.5 ton (7.7t) hook ball at boom head | 360 | 163 | 1,032 | 468 | -672 | -305 | -672 | -305 | 1,032 | 468 |

| Tire | Maximum Allowable Axle Load @ 20 mph (32.2km/h) |
|-------------------|---|
| 29.5 x 25 (28-PR) | 55,000 lb (24 948kg) |

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

General Dimensions

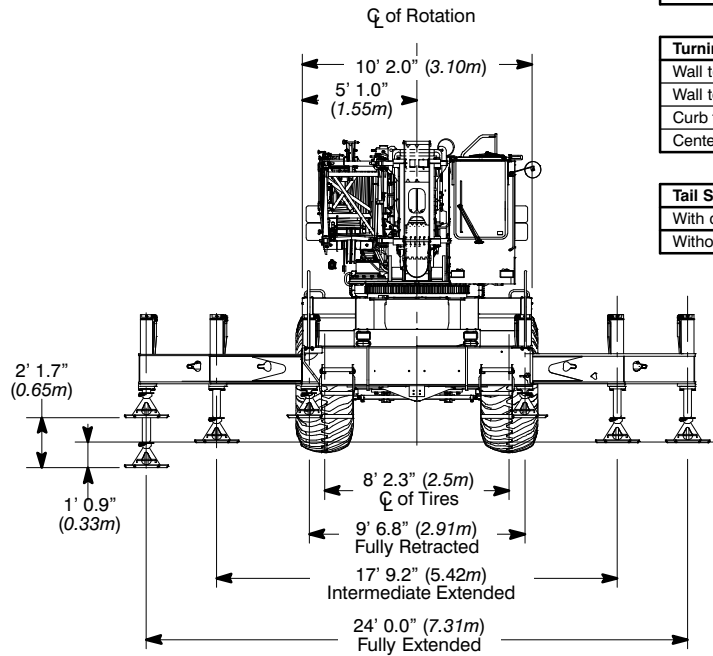
Tier 4f / Stage IV



| Turning Radius – Front Wheel (4x2) Steering | English | Metric |
|---|---------|--------|
| Wall to wall over carrier | 48' 3" | 14.71m |
| Wall to wall over boom attachment | 60' 1" | 18.31m |
| Curb to curb | 46' 8" | 14.22m |
| Centerline of tire | 45' 3" | 13.79m |

| Turning Radius – All Wheel (4x4) Steering | English | Metric |
|---|---------|--------|
| Wall to wall over carrier | 27' 10" | 8.48m |
| Wall to wall over boom attachment | 38' 11" | 11.86m |
| Curb to curb | 26' 0" | 7.92m |
| Centerline of tire | 24' 6" | 7.47m |

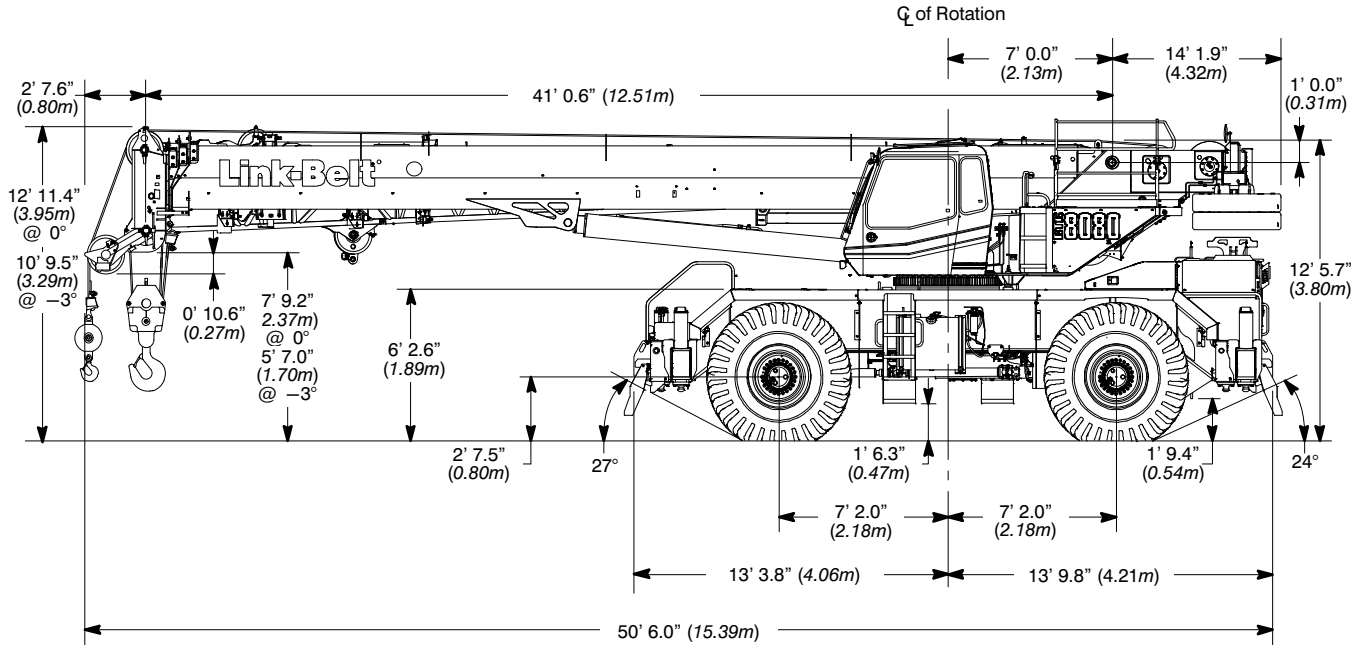
| Tail Swing | English | Metric |
|-----------------------|---------|--------|
| With counterweight | 14' 2" | 4.32m |
| Without counterweight | 13' 2" | 4.01m |



Not To Scale

General Dimensions

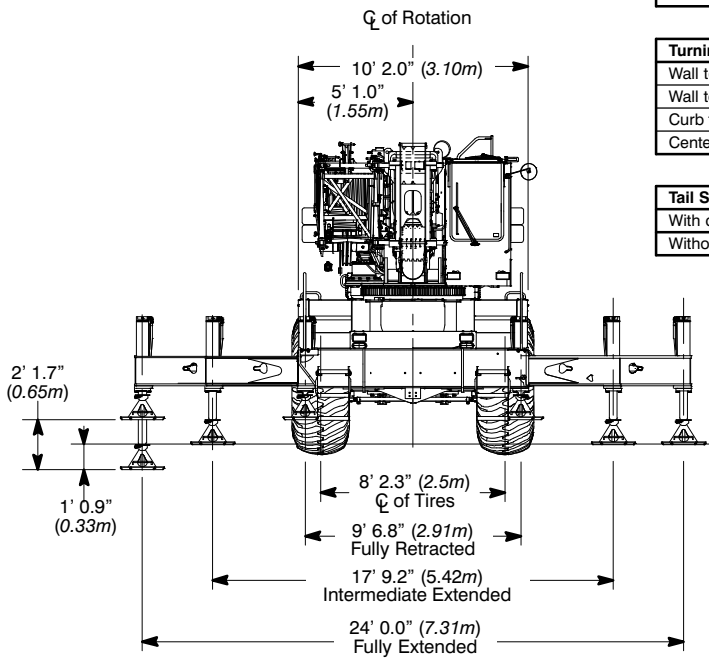
Tier 3 / Stage IIIA



| Turning Radius – Front Wheel (4x2) Steering | English | Metric |
|---|---------|--------|
| Wall to wall over carrier | 48' 3" | 14.71m |
| Wall to wall over boom attachment | 60' 1" | 18.31m |
| Curb to curb | 46' 8" | 14.22m |
| Centerline of tire | 45' 3" | 13.79m |

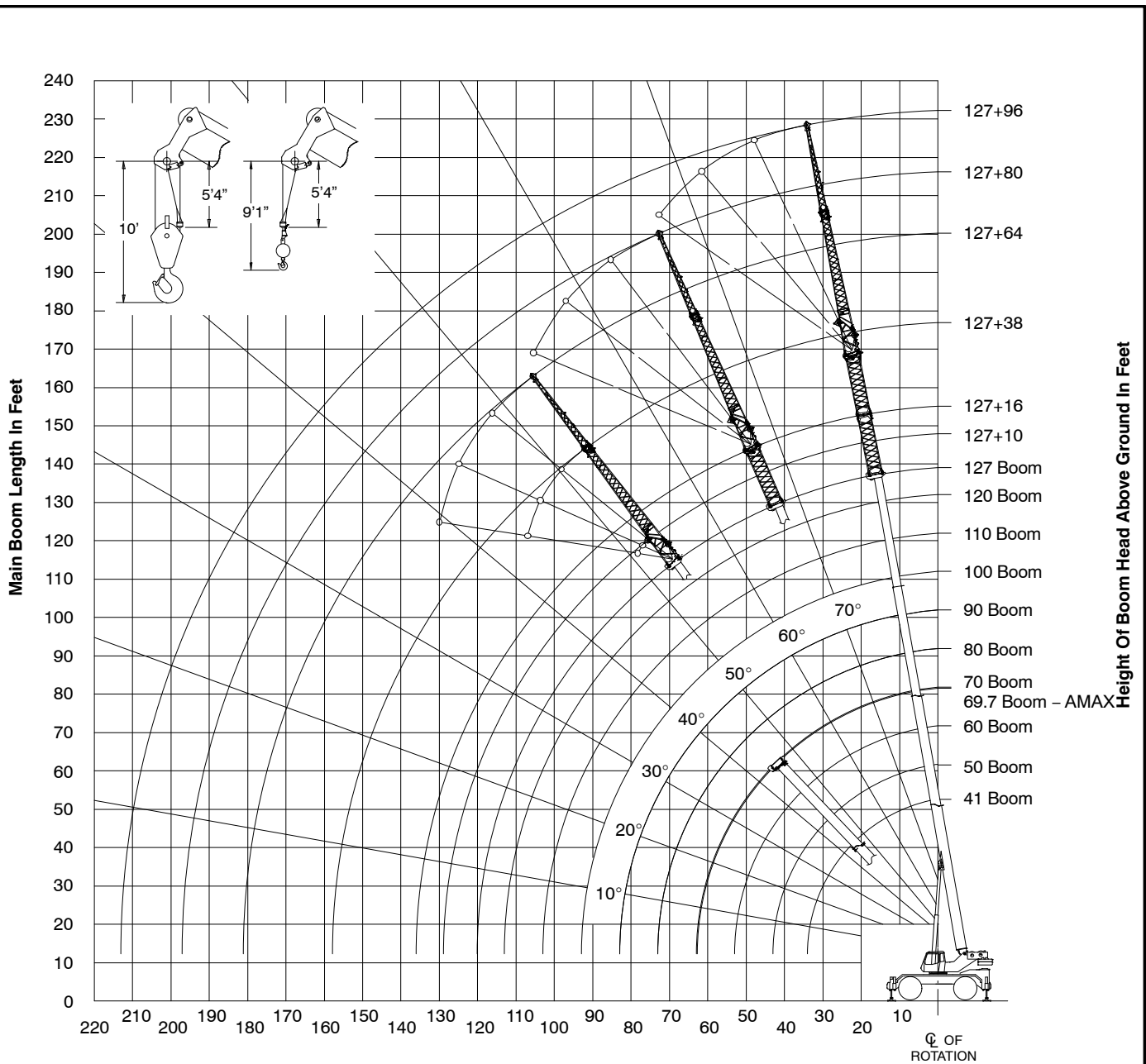
| Turning Radius – All Wheel (4x4) Steering | English | Metric |
|---|---------|--------|
| Wall to wall over carrier | 27' 10" | 8.48m |
| Wall to wall over boom attachment | 38' 11" | 11.86m |
| Curb to curb | 26' 0" | 7.92m |
| Centerline of tire | 24' 6" | 7.47m |

| Tail Swing | English | Metric |
|-----------------------|---------|--------|
| With counterweight | 14' 2" | 4.32m |
| Without counterweight | 13' 2" | 4.01m |



Not To Scale

Main Boom Working Range Diagram – Standard



Notes:

Operating Radius From Centerline Of Rotation In Feet

1. Boom geometry shown is for unloaded condition and crane standing level on firm supporting surface. Boom deflection, subsequent radius, and boom angle change must be accounted for when applying load to hook.
2. Maximum and minimum boom angles are equal to the values listed in the capacity charts for each boom length.

Main Boom Lift Capacity Charts – Standard

| 19,200 lb Counterweight – Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Pounds) | | | | | | | | | | | |
|--|------------------|---------|---------|--------|--------|--------|--------|--------|--------|--------|----------------|
| Radius (ft) | Boom Length (ft) | | | | | | | | | | Radius (ft) |
| | 41 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 127 | |
| 10 | 160,000 | 105,600 | 104,100 | 66,700 | | | | | | | 10 |
| 12 | 138,200 | 105,600 | 104,100 | 66,700 | 48,000 | | | | | | 12 |
| 15 | 111,100 | 105,600 | 94,200 | 66,700 | 48,000 | 48,600 | | | | | 15 |
| 20 | 81,500 | 81,200 | 79,100 | 63,600 | 48,000 | 48,600 | 45,900 | 37,300 | | | 20 |
| 25 | 63,400 | 63,100 | 62,800 | 54,600 | 48,000 | 48,600 | 41,400 | 37,300 | 27,100 | 23,200 | 25 |
| 30 | 51,000 | 50,800 | 50,600 | 47,600 | 48,000 | 47,100 | 37,700 | 34,100 | 27,100 | 23,200 | 30 |
| 35 | | 43,100 | 43,700 | 44,100 | 44,400 | 42,800 | 34,400 | 30,900 | 27,100 | 23,200 | 35 |
| 40 | | 34,200 | 35,000 | 35,400 | 35,600 | 35,800 | 31,300 | 28,200 | 25,900 | 23,200 | 40 |
| 45 | | | 28,200 | 28,700 | 28,900 | 29,100 | 28,500 | 25,800 | 23,700 | 22,600 | 45 |
| 50 | | | 23,200 | 23,800 | 24,000 | 24,200 | 24,400 | 23,700 | 21,800 | 20,700 | 50 |
| 55 | | | | 19,900 | 20,300 | 20,400 | 20,600 | 20,700 | 20,100 | 19,100 | 55 |
| 60 | | | | 16,900 | 17,200 | 17,400 | 17,600 | 17,700 | 17,700 | 17,700 | 60 |
| 65 | | | | | 14,700 | 15,000 | 15,100 | 15,200 | 15,300 | 15,300 | 65 |
| 70 | | | | | 12,700 | 13,000 | 13,100 | 13,200 | 13,300 | 13,300 | 70 |
| 75 | | | | | | 11,300 | 11,500 | 11,600 | 11,700 | 11,800 | 75 |
| 80 | | | | | | 9,800 | 10,000 | 10,200 | 10,300 | 10,300 | 80 |
| 85 | | | | | | | 8,700 | 8,900 | 9,000 | 9,100 | 85 |
| 90 | | | | | | | 7,600 | 7,800 | 7,900 | 8,000 | 90 |
| 95 | | | | | | | | 6,800 | 6,900 | 7,000 | 95 |
| 100 | | | | | | | | 6,000 | 6,100 | 6,200 | 100 |
| 105 | | | | | | | | | 5,300 | 5,400 | 105 |
| 110 | | | | | | | | | 4,600 | 4,700 | 110 |
| 115 | | | | | | | | | | 4,100 | 115 |

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

| 19,200 lb Counterweight – Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Pounds) | | | | | | | | | | | |
|--|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------|
| Main Boom + 10 ft Manual Offset Fly (2°, 15°, 30° & 45° Offsets) | | | | | | | | | | | |
| Radius (ft) | Boom Length (ft) | | | | | | | | | | Radius (ft) |
| | 41 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 127 | |
| 10 | 40,300 | 41,000 | 41,200 | | | | | | | | 10 |
| 12 | 35,000 | 35,400 | 35,500 | 39,800 | 39,300 | | | | | | 12 |
| 15 | 34,200 | 34,600 | 34,800 | 34,700 | 34,300 | 38,000 | | | | | 15 |
| 20 | 33,200 | 33,600 | 33,900 | 33,800 | 33,600 | 33,300 | 35,700 | | | | 20 |
| 25 | 32,600 | 32,900 | 33,200 | 33,200 | 33,000 | 32,800 | 32,000 | 29,300 | 23,900 | | 25 |
| 30 | 32,500 | 32,500 | 32,700 | 32,700 | 32,500 | 31,700 | 29,700 | 27,500 | 23,900 | 20,300 | 30 |
| 35 | 32,500 | 32,500 | 32,400 | 32,300 | 31,500 | 29,700 | 27,700 | 25,800 | 23,900 | 20,300 | 35 |
| 40 | 32,500 | 32,500 | 32,400 | 31,700 | 29,800 | 27,900 | 26,000 | 24,200 | 22,500 | 20,300 | 40 |
| 45 | | 29,200 | 29,200 | 29,200 | 28,200 | 26,300 | 24,400 | 22,600 | 21,200 | 20,200 | 45 |
| 50 | | 24,300 | 24,300 | 24,300 | 24,400 | 24,400 | 22,700 | 21,100 | 19,700 | 18,900 | 50 |
| 55 | | | 20,500 | 20,600 | 20,600 | 20,600 | 20,600 | 19,700 | 18,400 | 17,700 | 55 |
| 60 | | | 17,600 | 17,600 | 17,600 | 17,600 | 17,600 | 17,500 | 17,100 | 16,300 | 60 |
| 65 | | | | 15,100 | 15,100 | 15,100 | 15,100 | 15,100 | 15,100 | 15,000 | 65 |
| 70 | | | | 13,200 | 13,100 | 13,100 | 13,100 | 13,100 | 13,100 | 13,100 | 70 |
| 75 | | | | | 11,500 | 11,500 | 11,500 | 11,500 | 11,500 | 11,500 | 75 |
| 80 | | | | | 10,100 | 10,100 | 10,100 | 10,100 | 10,100 | 10,100 | 80 |
| 85 | | | | | | 8,800 | 8,800 | 8,800 | 8,800 | 8,800 | 85 |
| 90 | | | | | | 7,800 | 7,800 | 7,800 | 7,700 | 7,700 | 90 |
| 95 | | | | | | | 6,800 | 6,800 | 6,800 | 6,800 | 95 |
| 100 | | | | | | | 6,000 | 6,000 | 6,000 | 6,000 | 100 |
| 105 | | | | | | | | 5,200 | 5,200 | 5,200 | 105 |
| 110 | | | | | | | | 4,600 | 4,500 | 4,500 | 110 |
| 115 | | | | | | | | | 3,900 | 3,900 | 115 |
| 120 | | | | | | | | | 3,400 | 3,400 | 120 |
| 125 | | | | | | | | | | 2,900 | 125 |
| 130 | | | | | | | | | | 2,500 | 130 |

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.

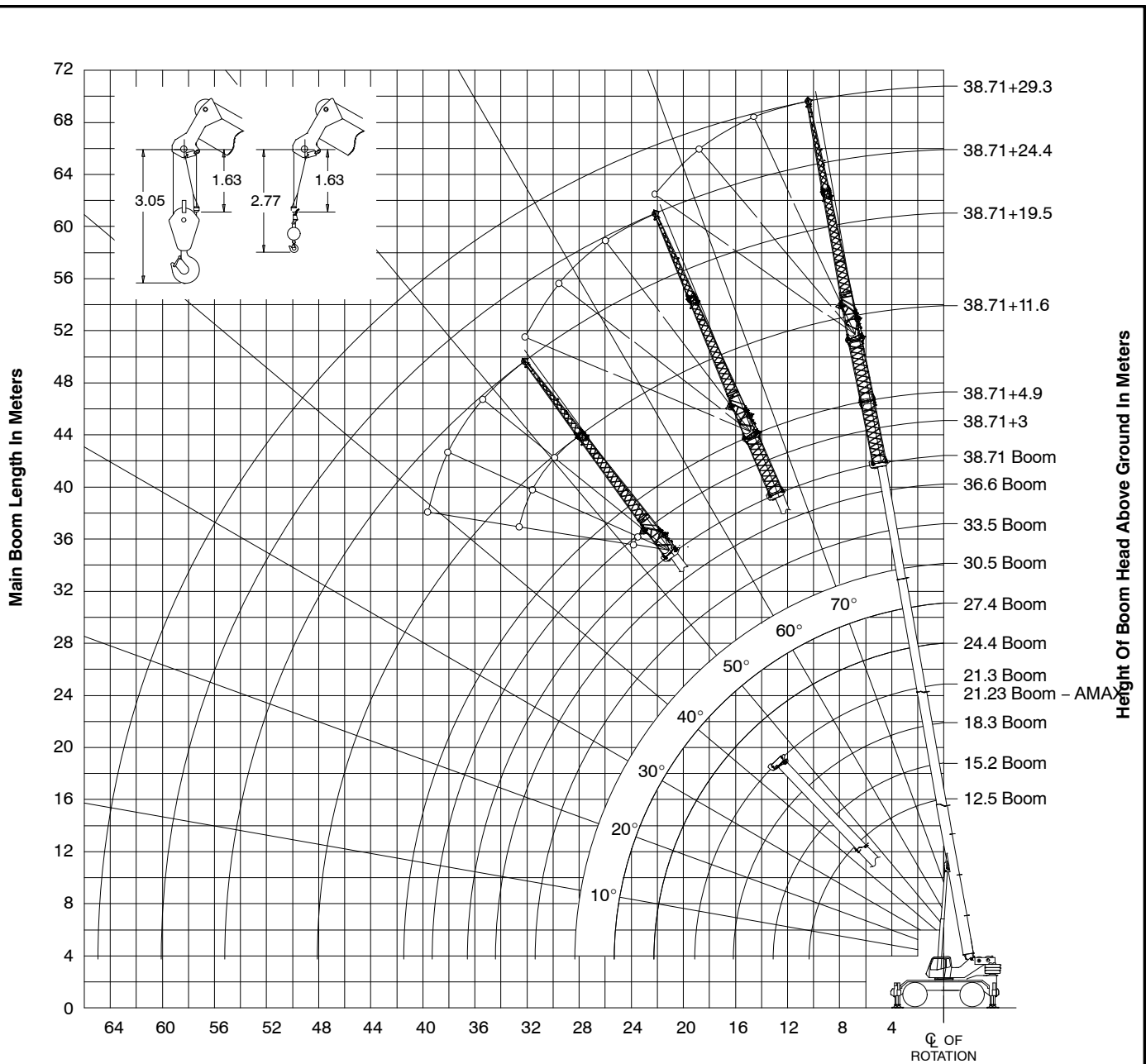
19,200 lb Counterweight – Fully Extended Outriggers – 360° Rotation
(All Capacities Are Listed In Pounds)

127 ft Main Boom Length

| Radius (ft) | 38 ft Manual Offset Fly | | | | 64 ft Manual Offset Fly | | | | Radius (ft) |
|-------------|-------------------------|--------|-------|-------|-------------------------|-------|-------|-------|-------------|
| | 2° | 15° | 30° | 45° | 2° | 15° | 30° | 45° | |
| 35 | 10,900 | | | | | | | | 35 |
| 40 | 10,900 | | | | | | | | 40 |
| 45 | 10,900 | 10,400 | | | 7,200 | | | | 45 |
| 50 | 10,900 | 10,200 | | | 7,200 | | | | 50 |
| 55 | 10,900 | 10,000 | 9,000 | | 7,100 | | | | 55 |
| 60 | 10,800 | 9,900 | 8,800 | | 7,000 | | | | 60 |
| 65 | 10,700 | 9,700 | 8,700 | 8,000 | 6,900 | 6,000 | | | 65 |
| 70 | 10,500 | 9,500 | 8,500 | 7,900 | 6,700 | 5,900 | | | 70 |
| 75 | 10,300 | 9,300 | 8,400 | 7,800 | 6,500 | 5,700 | | | 75 |
| 80 | 9,800 | 9,100 | 8,200 | 7,700 | 6,400 | 5,500 | 4,700 | | 80 |
| 85 | 9,300 | 8,700 | 8,100 | 7,700 | 6,200 | 5,400 | 4,600 | | 85 |
| 90 | 8,700 | 8,300 | 7,900 | 7,600 | 6,000 | 5,200 | 4,500 | 4,100 | 90 |
| 95 | 7,700 | 8,000 | 7,600 | 7,400 | 5,800 | 5,100 | 4,400 | 4,000 | 95 |
| 100 | 6,800 | 7,300 | 7,300 | 7,200 | 5,600 | 4,900 | 4,300 | 4,000 | 100 |
| 105 | 6,000 | 6,500 | 6,900 | 6,900 | 5,300 | 4,800 | 4,300 | 3,900 | 105 |
| 110 | 5,400 | 5,800 | 6,100 | 6,400 | 5,000 | 4,600 | 4,200 | 3,900 | 110 |
| 115 | 4,700 | 5,100 | 5,400 | 5,600 | 4,800 | 4,400 | 4,100 | 3,900 | 115 |
| 120 | 4,200 | 4,500 | 4,800 | 4,900 | 4,600 | 4,200 | 3,900 | 3,700 | 120 |
| 125 | 3,700 | 3,900 | 4,200 | 4,300 | 4,200 | 4,000 | 3,700 | 3,600 | 125 |
| 130 | 3,200 | 3,400 | 3,600 | 3,700 | 3,800 | 3,800 | 3,600 | 3,500 | 130 |
| 135 | 2,800 | 3,000 | 3,100 | | 3,300 | 3,700 | 3,400 | 3,400 | 135 |
| 140 | 2,400 | 2,600 | 2,700 | | 2,900 | 3,300 | 3,300 | 3,300 | 140 |
| 145 | 2,000 | 2,200 | 2,200 | | 2,500 | 2,900 | 3,200 | 3,200 | 145 |
| 150 | 1,700 | 1,800 | | | 2,200 | 2,500 | 2,800 | 3,000 | 150 |
| 155 | | | | | 1,900 | 2,200 | 2,400 | 2,500 | 155 |
| 160 | | | | | 1,600 | 1,800 | 2,100 | 2,100 | 160 |
| 165 | | | | | 1,300 | 1,500 | 1,700 | | 165 |
| 170 | | | | | 1,000 | 1,200 | 1,300 | | 170 |
| 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.

Main Boom Working Range Diagram – Metric



Notes:

Operating Radius From Centerline Of Rotation In Meters

1. Boom geometry shown is for unloaded condition and crane standing level on firm supporting surface. Boom deflection, subsequent radius, and boom angle change must be accounted for when applying load to hook.
2. Maximum and minimum boom angles are equal to the values listed in the capacity charts for each boom length.

Main Boom Lift Capacity Charts – 75% – Metric

| 8.8t Counterweight – Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Kilograms) | | | | | | | | | | | | |
|--|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|-----|
| Radius (m) | Boom Length (m) | | | | | | | | | | Radius (m) | |
| | 12.5 | 15.2 | 18.3 | 21.2 | 24.4 | 27.4 | 30.5 | 33.5 | 36.6 | 38.7 | | |
| 2.5 | 80 000 | | | | | | | | | | | 2.5 |
| 3 | 72 600 | 47 850 | 47 200 | 30 250 | | | | | | | | 3 |
| 3.5 | 64 400 | 47 850 | 47 200 | 30 250 | 21 750 | | | | | | | 3.5 |
| 4 | 57 850 | 47 850 | 45 950 | 30 250 | 21 750 | | | | | | | 4 |
| 4.5 | 51 250 | 47 850 | 43 100 | 30 250 | 21 750 | 22 000 | | | | | | 4.5 |
| 5 | 45 850 | 45 650 | 40 600 | 30 250 | 21 750 | 22 000 | | | | | | 5 |
| 6 | 37 650 | 37 450 | 36 250 | 29 100 | 21 750 | 22 000 | 20 950 | 16 900 | | | | 6 |
| 7 | 31 700 | 31 550 | 31 400 | 26 300 | 21 750 | 22 000 | 19 550 | 16 900 | 12 300 | | | 7 |
| 8 | 27 150 | 27 050 | 26 900 | 23 900 | 21 750 | 22 000 | 18 350 | 16 550 | 12 300 | 10 550 | | 8 |
| 9 | 23 600 | 23 450 | 23 350 | 21 850 | 21 750 | 21 550 | 17 250 | 15 600 | 12 300 | 10 550 | | 9 |
| 10 | 19 300 | 19 850 | 20 100 | 20 250 | 20 350 | 20 150 | 16 250 | 14 700 | 12 300 | 10 550 | | 10 |
| 12 | | 14 100 | 14 400 | 14 550 | 14 650 | 14 700 | 14 350 | 12 950 | 11 900 | 10 550 | | 12 |
| 14 | | | 10 900 | 11 100 | 11 150 | 11 250 | 11 300 | 11 350 | 10 600 | 10 050 | | 14 |
| 16 | | | 8 450 | 8 700 | 8 800 | 8 900 | 8 950 | 8 950 | 9 000 | 9 000 | | 16 |
| 18 | | | | 6 950 | 7 100 | 7 150 | 7 200 | 7 250 | 7 300 | 7 300 | | 18 |
| 20 | | | | | 5 800 | 5 900 | 5 950 | 5 950 | 6 000 | 6 000 | | 20 |
| 22 | | | | | 4 750 | 4 850 | 4 950 | 5 000 | 5 050 | 5 050 | | 22 |
| 24 | | | | | | 4 000 | 4 100 | 4 150 | 4 200 | 4 200 | | 24 |
| 26 | | | | | | | 3 350 | 3 450 | 3 500 | 3 500 | | 26 |
| 28 | | | | | | | 2 750 | 2 800 | 2 900 | 2 900 | | 28 |
| 30 | | | | | | | | 2 300 | 2 350 | 2 400 | | 30 |
| 32 | | | | | | | | | 1 900 | 1 950 | | 32 |
| 34 | | | | | | | | | 1 550 | 1 600 | | 34 |
| 36 | | | | | | | | | | 1 250 | | 36 |

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 – 75% – Optional

8.8t Counterweight – Fully Extended Outriggers – 360° Rotation
 (All Capacities Are Listed In Kilograms)

Main Boom + 3m Manual Offset Fly (2°, 15°, 30° & 45° Offsets)

| Radius (m) | Boom Length (m) | | | | | | | | | | Radius (m) | |
|------------|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------------|-----|
| | 12.5 | 15.2 | 18.3 | 21.3 | 24.4 | 27.4 | 30.5 | 33.5 | 36.6 | 38.7 | | |
| 3 | 16 200 | 18 650 | 18 700 | | | | | | | | | 3 |
| 3.5 | 15 950 | 16 100 | 16 150 | 18 150 | | | | | | | | 3.5 |
| 4 | 15 750 | 15 900 | 16 000 | 15 850 | 17 700 | | | | | | | 4 |
| 4.5 | 15 550 | 15 700 | 15 800 | 15 750 | 17 500 | | | | | | | 4.5 |
| 5 | 15 350 | 15 550 | 15 650 | 15 600 | 15 500 | 17 100 | | | | | | 5 |
| 6 | 15 050 | 15 250 | 15 400 | 15 350 | 15 250 | 15 150 | 17 950 | | | | | 6 |
| 7 | 14 850 | 15 050 | 15 150 | 15 150 | 15 050 | 14 950 | 14 650 | 15 050 | 10 800 | | | 7 |
| 8 | 14 750 | 14 850 | 15 000 | 14 950 | 14 900 | 14 800 | 14 250 | 13 150 | 10 800 | | | 8 |
| 9 | 14 750 | 14 750 | 14 800 | 14 800 | 14 750 | 14 500 | 13 550 | 12 550 | 10 800 | 9 200 | | 9 |
| 10 | 14 750 | 14 700 | 14 700 | 14 700 | 14 650 | 13 850 | 12 950 | 12 000 | 10 800 | 9 200 | | 10 |
| 12 | 14 750 | 14 700 | 14 650 | 14 450 | 13 650 | 12 750 | 11 900 | 11 050 | 10 300 | 9 200 | | 12 |
| 14 | | 11 300 | 11 300 | 11 300 | 11 300 | 11 300 | 10 900 | 10 150 | 9 500 | 9 050 | | 14 |
| 16 | | 8 950 | 8 900 | 8 900 | 8 950 | 8 900 | 8 900 | 8 900 | 8 650 | 8 300 | | 16 |
| 18 | | | 7 200 | 7 200 | 7 200 | 7 200 | 7 200 | 7 200 | 7 200 | 7 200 | | 18 |
| 20 | | | | 5 950 | 5 950 | 5 950 | 5 950 | 5 900 | 5 900 | 5 900 | | 20 |
| 22 | | | | 4 950 | 4 950 | 4 950 | 4 950 | 4 950 | 4 950 | 4 950 | | 22 |
| 24 | | | | | 4 100 | 4 100 | 4 100 | 4 100 | 4 100 | 4 100 | | 24 |
| 26 | | | | | | | 3 400 | 3 400 | 3 400 | 3 400 | | 26 |
| 28 | | | | | | | 2 600 | 2 800 | 2 800 | 2 800 | | 28 |
| 30 | | | | | | | | 2 350 | 2 300 | 2 300 | | 30 |
| 32 | | | | | | | | | 1 900 | 1 900 | | 32 |
| 34 | | | | | | | | | 1 500 | 1 500 | | 34 |
| 36 | | | | | | | | | | 1 200 | | 36 |
| 38 | | | | | | | | | | | 900 | 38 |

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.

8.8t Counterweight – Fully Extended Outriggers – 360° Rotation
(All Capacities Are Listed In Kilograms)

38.7m Main Boom Length

| Radius (m) | 11.6m Manual Offset Fly | | | | 19.5m Manual Offset Fly | | | | Radius (m) |
|---------------|-------------------------|-------|-------|-------|-------------------------|-------|-------|-------|---------------|
| | 2° | 15° | 30° | 45° | 2° | 15° | 30° | 45° | |
| 10 | 4 950 | | | | | | | | 10 |
| 12 | 4 950 | | | | | | | | 12 |
| 14 | 4 950 | 4 700 | | | 3 300 | | | | 14 |
| 16 | 4 950 | 4 600 | | | 3 250 | | | | 16 |
| 18 | 4 900 | 4 500 | 4 000 | | 3 150 | | | | 18 |
| 20 | 4 800 | 4 350 | 3 900 | 3 600 | 3 100 | 2 700 | | | 20 |
| 22 | 4 700 | 4 250 | 3 850 | 3 550 | 3 000 | 2 600 | | | 22 |
| 24 | 4 500 | 4 150 | 3 750 | 3 500 | 2 900 | 2 500 | 2 150 | | 24 |
| 26 | 3 850 | 3 950 | 3 700 | 3 500 | 2 800 | 2 450 | 2 100 | | 26 |
| 28 | 3 200 | 3 500 | 3 550 | 3 450 | 2 700 | 2 350 | 2 050 | 1 850 | 28 |
| 30 | 2 700 | 2 950 | 3 150 | 3 300 | 2 600 | 2 250 | 2 000 | 1 800 | 30 |
| 32 | 2 250 | 2 450 | 2 650 | 2 800 | 2 400 | 2 200 | 1 950 | 1 800 | 32 |
| 34 | 1 900 | 2 050 | 2 250 | 2 350 | 2 150 | 2 050 | 1 900 | 1 750 | 34 |
| 36 | 1 550 | 1 700 | 1 850 | 1 900 | 1 800 | 1 950 | 1 800 | 1 700 | 36 |
| 38 | 1 250 | 1 400 | 1 500 | 1 550 | 1 500 | 1 800 | 1 700 | 1 650 | 38 |
| 40 | 1 000 | 1 100 | 1 200 | | 1 250 | 1 500 | 1 600 | 1 550 | 40 |
| 42 | 750 | 850 | 950 | | 1 000 | 1 200 | 1 400 | 1 500 | 42 |
| 44 | 550 | 650 | 650 | | 800 | 1 000 | 1 150 | 1 250 | 44 |
| 46 | | | | | 600 | 750 | 900 | 950 | 46 |
| 48 | | | | | | 550 | 700 | 700 | 48 |

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

Main Boom Lift Capacity Charts – 85% – Metric

| 8.8t Counterweight – Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Kilograms) | | | | | | | | | | | |
|--|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|
| Radius (m) | Boom Length (m) | | | | | | | | | | Radius (m) |
| | 12.5 | 15.2 | 18.3 | 21.2 | 24.4 | 27.4 | 30.5 | 33.5 | 36.6 | 38.7 | |
| 2.5 | 80 000 | | | | | | | | | | 2.5 |
| 3 | 72 600 | 47 850 | 47 200 | 30 250 | | | | | | | 3 |
| 3.5 | 64 400 | 47 850 | 47 200 | 30 250 | 21 750 | | | | | | 3.5 |
| 4 | 57 850 | 47 850 | 45 950 | 30 250 | 21 750 | | | | | | 4 |
| 4.5 | 51 250 | 47 850 | 43 100 | 30 250 | 21 750 | 22 000 | | | | | 4.5 |
| 5 | 45 850 | 45 650 | 40 600 | 30 250 | 21 750 | 22 000 | | | | | 5 |
| 6 | 37 650 | 37 450 | 36 250 | 29 100 | 21 750 | 22 000 | 20 950 | 16 900 | | | 6 |
| 7 | 31 700 | 31 550 | 31 400 | 26 300 | 21 750 | 22 000 | 19 550 | 16 900 | 12 300 | | 7 |
| 8 | 27 150 | 27 050 | 26 900 | 23 900 | 21 750 | 22 000 | 18 350 | 16 550 | 12 300 | 10 550 | 8 |
| 9 | 23 600 | 23 450 | 23 350 | 21 850 | 21 750 | 21 550 | 17 250 | 15 600 | 12 300 | 10 550 | 9 |
| 10 | 20 700 | 21 150 | 21 450 | 21 550 | 21 750 | 20 150 | 16 250 | 14 700 | 12 300 | 10 550 | 10 |
| 12 | | 15 950 | 16 350 | 16 500 | 16 600 | 16 700 | 14 350 | 12 950 | 11 900 | 10 550 | 12 |
| 14 | | | 12 300 | 12 550 | 12 650 | 12 700 | 12 700 | 11 500 | 10 600 | 10 050 | 14 |
| 16 | | | 9 600 | 9 850 | 10 000 | 10 050 | 10 150 | 10 200 | 9 500 | 9 050 | 16 |
| 18 | | | | 7 900 | 8 050 | 8 150 | 8 200 | 8 250 | 8 300 | 8 150 | 18 |
| 20 | | | | | 6 550 | 6 700 | 6 750 | 6 800 | 6 800 | 6 850 | 20 |
| 22 | | | | | 5 400 | 5 550 | 5 650 | 5 700 | 5 700 | 5 750 | 22 |
| 24 | | | | | | 4 600 | 4 700 | 4 750 | 4 800 | 4 850 | 24 |
| 26 | | | | | | | 3 950 | 4 000 | 4 050 | 4 100 | 26 |
| 28 | | | | | | | 3 300 | 3 350 | 3 400 | 3 450 | 28 |
| 30 | | | | | | | | 2 800 | 2 850 | 2 900 | 30 |
| 32 | | | | | | | | | 2 400 | 2 450 | 32 |
| 34 | | | | | | | | | 2 000 | 2 050 | 34 |
| 36 | | | | | | | | | | 1 700 | 36 |

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 – 85% – Optional

| 8.8t Counterweight – Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Kilograms) | | | | | | | | | | | |
|--|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|-------|---------------|
| Main Boom + 3m Manual Offset Fly (2°, 15°, 30° & 45° Offsets) | | | | | | | | | | | |
| Radius (m) | Boom Length (m) | | | | | | | | | | Radius (m) |
| | 12.5 | 15.2 | 18.3 | 21.3 | 24.4 | 27.4 | 30.5 | 33.5 | 36.6 | 38.7 | |
| 3 | 16 200 | 18 650 | 18 700 | | | | | | | | 3 |
| 3.5 | 15 950 | 16 100 | 16 150 | 18 150 | | | | | | | 3.5 |
| 4 | 15 750 | 15 900 | 16 000 | 15 850 | 17 700 | | | | | | 4 |
| 4.5 | 15 550 | 15 700 | 15 800 | 15 750 | 17 500 | | | | | | 4.5 |
| 5 | 15 350 | 15 550 | 15 650 | 15 600 | 15 500 | 17 100 | | | | | 5 |
| 6 | 15 050 | 15 250 | 15 400 | 15 350 | 15 250 | 15 150 | 17 950 | | | | 6 |
| 7 | 14 850 | 15 050 | 15 150 | 15 150 | 15 050 | 14 950 | 14 650 | 15 050 | 10 800 | | 7 |
| 8 | 14 750 | 14 850 | 15 000 | 14 950 | 14 900 | 14 800 | 14 250 | 13 150 | 10 800 | | 8 |
| 9 | 14 750 | 14 750 | 14 800 | 14 800 | 14 750 | 14 500 | 13 550 | 12 550 | 10 800 | 9 200 | 9 |
| 10 | 14 750 | 14 700 | 14 700 | 14 700 | 14 650 | 13 850 | 12 950 | 12 000 | 10 800 | 9 200 | 10 |
| 12 | 14 750 | 14 700 | 14 650 | 14 450 | 13 650 | 12 750 | 11 900 | 11 050 | 10 300 | 9 200 | 12 |
| 14 | | 12 750 | 12 800 | 12 800 | 12 650 | 11 800 | 10 900 | 10 150 | 9 500 | 9 050 | 14 |
| 16 | | 10 150 | 10 100 | 10 150 | 10 150 | 10 150 | 9 950 | 9 250 | 8 650 | 8 300 | 16 |
| 18 | | | 8 200 | 8 200 | 8 200 | 8 200 | 8 200 | 8 200 | 7 900 | 7 500 | 18 |
| 20 | | | | 6 750 | 6 750 | 6 750 | 6 750 | 6 700 | 6 700 | 6 700 | 20 |
| 22 | | | | 5 650 | 5 650 | 5 650 | 5 650 | 5 650 | 5 650 | 5 650 | 22 |
| 24 | | | | | 4 700 | 4 700 | 4 700 | 4 700 | 4 700 | 4 700 | 24 |
| 26 | | | | | | 4 000 | 3 950 | 3 950 | 3 950 | 3 950 | 26 |
| 28 | | | | | | | 2 600 | 3 350 | 3 350 | 3 350 | 28 |
| 30 | | | | | | | | 2 850 | 2 800 | 2 800 | 30 |
| 32 | | | | | | | | | 2 350 | 2 350 | 32 |
| 34 | | | | | | | | | 1 950 | 1 950 | 34 |
| 36 | | | | | | | | | | 1 650 | 36 |
| 38 | | | | | | | | | | 1 350 | 38 |

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.

8.8t Counterweight – Fully Extended Outriggers – 360° Rotation
(All Capacities Are Listed In Kilograms)

38.7m Main Boom Length

| Radius (m) | 11.6m Manual Offset Fly | | | | 19.5m Manual Offset Fly | | | | Radius (m) |
|---------------|-------------------------|-------|-------|-------|-------------------------|-------|-------|-------|---------------|
| | 2° | 15° | 30° | 45° | 2° | 15° | 30° | 45° | |
| 10 | 4 950 | | | | | | | | 10 |
| 12 | 4 950 | | | | | | | | 12 |
| 14 | 4 950 | 4 700 | | | 3 300 | | | | 14 |
| 16 | 4 950 | 4 600 | | | 3 250 | | | | 16 |
| 18 | 4 900 | 4 500 | 4 000 | | 3 150 | | | | 18 |
| 20 | 4 800 | 4 350 | 3 900 | 3 600 | 3 100 | 2 700 | | | 20 |
| 22 | 4 700 | 4 250 | 3 850 | 3 550 | 3 000 | 2 600 | | | 22 |
| 24 | 4 500 | 4 150 | 3 750 | 3 500 | 2 900 | 2 500 | 2 150 | | 24 |
| 26 | 4 200 | 3 950 | 3 700 | 3 500 | 2 800 | 2 450 | 2 100 | | 26 |
| 28 | 3 750 | 3 700 | 3 550 | 3 450 | 2 700 | 2 350 | 2 050 | 1 850 | 28 |
| 30 | 3 200 | 3 450 | 3 350 | 3 300 | 2 600 | 2 250 | 2 000 | 1 800 | 30 |
| 32 | 2 750 | 2 950 | 3 150 | 3 150 | 2 400 | 2 200 | 1 950 | 1 800 | 32 |
| 34 | 2 350 | 2 500 | 2 650 | 2 750 | 2 250 | 2 050 | 1 900 | 1 750 | 34 |
| 36 | 2 000 | 2 150 | 2 250 | 2 350 | 2 100 | 1 950 | 1 800 | 1 700 | 36 |
| 38 | 1 650 | 1 800 | 1 900 | 1 950 | 1 950 | 1 800 | 1 700 | 1 650 | 38 |
| 40 | 1 400 | 1 500 | 1 600 | 1 600 | 1 650 | 1 700 | 1 600 | 1 550 | 40 |
| 42 | 1 150 | 1 250 | 1 300 | | 1 400 | 1 600 | 1 550 | 1 500 | 42 |
| 44 | 900 | 1 000 | 1 050 | | 1 150 | 1 350 | 1 450 | 1 450 | 44 |
| 46 | 750 | 750 | | | 950 | 1 100 | 1 250 | 1 300 | 46 |
| 48 | | | | | 750 | 900 | 1 000 | 1 050 | 48 |
| 50 | | | | | 600 | 700 | 800 | | 50 |
| 52 | | | | | | 550 | 600 | | 52 |

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.

This Page Intentionally Blank

This Page Intentionally Blank

This Page Intentionally Blank

Link-Belt Construction Equipment Company Lexington, Kentucky www.linkbelt.com

®Link-Belt is a registered trademark. Copyright 2014. We are constantly improving our products and therefore reserve the right to change designs and specifications.