

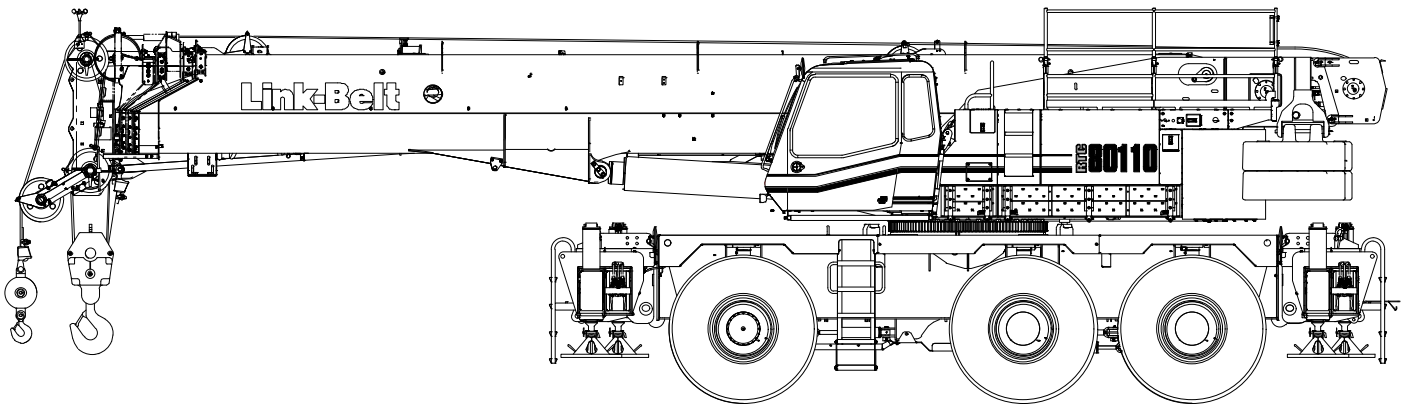
# Technical Data

## Specifications & Capacities

# RTC 80110

**Series II**

Telescopic Boom Rough Terrain Crane  
**110 US ton**  
**100 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.

**MAXIM**  
**Crane Works, L.P.**  
1-877-MAX-LIFT

maximcrane.com

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# Boom, Attachments, and Upper Structure

## ■ Boom

**Design** — Five section, formed construction of extra high tensile steel consisting of one base section and four telescoping sections. The first telescoping section extends independently by means of one, double—acting, single stage hydraulic cylinder with integral holding valves. The second telescoping section extends independently by means of one, double—acting, single stage hydraulic cylinder with integral holding valves. The third and fourth sections extend proportionally by means of one, double—acting, single stage cylinder with integrated holding valves and cables.

## Boom

- 40—150 ft (12.2—45.7m) five section full power boom
- Three boom extend modes, controlled from the operator's cab, provide superior capacities by varying the extension of the telescoping sections:
  - **Standard mode** is the full power, synchronized mode of telescoping all sections proportionally
  - **A—max<sup>1</sup>** mode (or mode 'A1') extends only the inner and center sections to 95 ft (29m) offering increased capacities for in—close, maximum capacity picks
  - **A—max<sup>2</sup>** mode (or mode 'A2') tip, outer and center sections extend to 122.5 ft (37.34m) offering maximum stability
- Mechanical boom angle indicator
- Maximum tip height for each extend mode is:
  - Standard is 159 ft 6 in (48.6m)
  - A—max<sup>2</sup> is 132 ft 6 in (40.3m)
  - A—max<sup>1</sup> is 105 ft 6 in (32.1m)

## Boom Wear Pads

- Bottom wear pads are universal for all boom sections
- Top wear pads are universal for all boom sections

## Boom Head

- Six 16.38 in (41.6cm) root diameter nylon sheaves to handle up to twelve 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: —2.5° to 80.75°

## Auxiliary Lifting Sheave — Optional

- Single 16.38 in (41.6cm) 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

- 140 ton (126.98mt) 7 sheave, quick—reeve hook block, with safety latch

- 100 ton (90.72mt) 6 sheave, quick—reeve hook block, with safety latch
- 80 ton (72.57mt) 5 sheave, quick—reeve hook block with safety latch
- 50 ton (45.36mt) 4 sheave, quick—reeve hook block with safety latch
- 35 ton (31.7mt) 1 sheave, quick—reeve hook block with safety latch
- 12 ton (10.89mt) hook ball (swivel) with safety latch

## Fly — Optional

- 31 ft—55 ft (9.4—16.8m) two piece bi—fold lattice fly, stowable, offsettable to 2°, 15°, 30°, and 45°. Maximum tip height is 214 ft (65.2m). Minimum of 14,000 lb (6 350kg) of counterweight required.
- 10 ft, 31 ft — 55 ft (3.0, 9.4—16.8m) three piece bi—fold lattice fly, stowable, offsettable to 2°, 15°, 30°, and 45°. Maximum tip height is 214 ft (65.2m). Minimum of 14,000 lb (6 350kg) of counterweight required.

## Fly Extensions — Optional

- One 18 ft (5.5m) lattice extension, equipped with two 16.38 in (41.6cm) root diameter nylon sheaves, to be mounted between the boom head and fly options. Maximum tip height is 232 ft (70.7m). Minimum of 26,000 lb (11 794kg) of counterweight required.
- Two 18 ft (5.5m) lattice extensions, one equipped with two 16.38 in (41.6cm) root diameter nylon sheaves, to be mounted between the boom head and fly options. Maximum tip height is 250 ft (76.2m). Minimum of 26,000 lb (11 794kg) of counterweight required.

## ■ Operator's Cab and Controls

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

- Tilting cab up to 20°
- Seat belt
- Tinted and tempered glass windows
- Five way adjustable, cushioned seat with headrests, and seat belt
- 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 right side window for ventilation
- Engine dependent warm — water heater with air ducts for front windshield defroster and cab floor
- Defroster fan for the front window
- Bubble level
- Circulating fan
- Sun screen
- Dome light
- Cup holder
- Fire extinguisher
- Left side viewing mirror
- Two position travel swing lock
- AM/FM Radio

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

**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
- Forward/Neutral/Reverse direction switch

Panel mounted switches for:

- Travel park brake
- Steer mode selector
- 2/6 wheel drive/range selector

- Hazard flasher

Panel mounted indicator/warning lights for:

- Travel park brake
- Service brake
- Turn signals
- Case filter restriction
- Charge filter restriction
- Engine overspeed
- Rear wheel offset
- Emergency steer — optional

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

- Swing
- Boom hoist
- Main front winch
- Auxiliary rear winch — optional
- Drum rotation indication
- Drum rotation indicator activation switch
- Winch high/low speed disable switch(es)
- Cab heater and A/C controls
- Throttle lock/unlock switch
- Throttle set switch
- Cab tilt switch
- Warning horn button
- Swing park brake
- Telescope override switches

#### **Foot Controls**

- Boom Telescope
- Swing brake
- Engine throttle
- Travel brake

**Right Front Console** — Controls and indicators for:

- Warning horn button
- Function disable switch
- Cab floodlights switch
- Console dimmer switch
- 2—12 volt accessory outlet (Switched & Unswitched)
- Emergency engine shutdown
- Windshield wiper/washer switch
- Ignition switch
- Programmable heater
- Ignition indication light
- Boom floodlights switch — optional
- Rotating beacon/strobe light switch — optional

**Camera Display** — Located on dash console

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

**Cab Instrumentation** — Ergonomically positioned LCD display, CANBUS instrumentation for crane operation including:

- Tachometer
- Engine water temperature
- Fuel level
- Hydraulic oil temperature
- Travel circuit temperature
- Stop engine
- Check engine
- Wait to start
- High exhaust temperature light<sup>(1)</sup>
- DPF regeneration light<sup>(1)</sup>
- Regeneration disabled light<sup>(1)</sup>
- Swing park brake light
- Fine metering function set & %
- Engine speed
- Engine oil pressure
- Battery voltage
- Fuel rate (gal/hr)
- Engine load
- Third wrap indicator activation & setup — optional
- Engine Diagnostics
- Electronic Control Diagnostics
- Outrigger level indicator
- DPF regeneration inhibit switch<sup>(1)</sup>
- DPF regeneration initiate switch<sup>(1)</sup>

<sup>(1)</sup> (Tier 4f / Stage IV engine only)

**Diagnostic Center** — Located on the left side of the front panel below the windshield

- 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
  - 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)
  - Outrigger position sensing
  - Drum rotation direction indication
  - Diagnostics
- **Internal RCL Light Bar** – Visually informs the operator when crane is approaching maximum load capacity with a series of green, yellow, and red lights.
- **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.

**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 1.5 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 amber strobe beacon on top of the cab
- One rotating amber 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

### Electrical Center

- RCL by–pass switch
- Hour meter
- Battery disconnect switches
- 3 batteries provide 12 volt operation and starting

## ■ Load Hoist System

### Load Hoist Performance

| Front and Rear Winches — 7/8 in (22mm) Rope |                   |       |                   |       |                 |       |       |      |       |       |
|---------------------------------------------|-------------------|-------|-------------------|-------|-----------------|-------|-------|------|-------|-------|
|                                             | Maximum Line Pull |       | Normal Line Speed |       | High Line Speed |       | Layer |      | Total |       |
| Layer                                       | lb                | kN    | ft/min            | m/min | ft/min          | m/min | ft    | m    | ft    | m     |
| 1                                           | 21,022            | 93.51 | 141               | 43.0  | 279             | 85.0  | 125   | 38.1 | 125   | 38.1  |
| 2                                           | 18,985            | 84.37 | 156               | 47.5  | 310             | 94.5  | 138   | 42.0 | 263   | 80.2  |
| 3                                           | 17,280            | 76.86 | 172               | 52.4  | 340             | 103.6 | 152   | 46.3 | 415   | 126.5 |
| 4                                           | 15,868            | 70.58 | 187               | 57.0  | 370             | 112.8 | 165   | 50.3 | 588   | 179.2 |
| 5                                           | 14,669            | 65.25 | 202               | 61.6  | 400             | 121.9 | 179   | 54.6 | 759   | 231.3 |
| 6                                           | 13,639            | 60.67 | 217               | 66.1  | 431             | 131.4 | 192   | 58.5 | 951   | 289.9 |

| Wire Rope Application |          | Diameter |    | Type                                                   | Maximum Permissible Load |         |
|-----------------------|----------|----------|----|--------------------------------------------------------|--------------------------|---------|
|                       |          | in       | mm |                                                        | lb                       | kg      |
| Rear Winch            | Standard | 7/8      | 22 | 18x19 rotation resistant — right regular lay (Type RB) | 17,520                   | 7 946.9 |
|                       | Optional | 7/8      | 22 | 36x7 rotation resistant — right regular lay (Type ZB)  | 20,920                   | 9 489.2 |
| Front Winch           | Standard | 7/8      | 22 | 18x19 rotation resistant — right regular lay (Type RB) | 17,520                   | 7 946.9 |
|                       | Optional | 7/8      | 22 | 36x7 rotation resistant — right regular lay (Type ZB)  | 20,920                   | 9 489.2 |

### 2M Main and Optional Auxiliary Winches

- Axial piston, full and half displacement (2-speed) motors driven through planetary reduction unit for positive control under all load conditions.
- Grooved lagging
- Power up/down mode of operation
- Hoist drum cable follower — optional
- Drum rotation indicator
- Drum diameter: 15 in (38.1cm)
- Rope length:
  - Front: 850 ft (259.1m)
  - Rear: 500 ft (152.4m)
- Maximum rope storage: 951 ft (289.9m)
- Terminator style socket and wedge

### ■ Engine

| Specification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Cummins QSL                     |                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------------|
| Numbers of Cylinders                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 6                               | 6                                |
| Cycle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4                               | 4                                |
| Emissions Compliance Level:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Tier 4f/Stage IV <sup>(1)</sup> | Tier 3/Stage IIIA <sup>(2)</sup> |
| Bore and Stroke: inch (mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4.49 x 5.69 (114 x 145)         | 4.49 x 5.69 (114 x 145)          |
| Piston Displacement: in <sup>3</sup> (L)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 543 (8.90)                      | 543 (8.90)                       |
| Max. Brake Horsepower: hp (kW)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 345 (257) @ 2,000 rpm           | 350 (261) @ 1,900 rpm            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 333 (248) @ 2,100 rpm           | 325 (242) @ 2,100 rpm            |
| Peak Torque: ft lb (Nm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1,050 (1 424) @ 1,500 rpm       | 1,050 (1 424) @ 1,500 rpm        |
| Electric/starting systems: volts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 12/12                           | 12/12                            |
| Alternator: amps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 160                             | 160                              |
| Crankcase Capacity: qt (L)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 24 (22.7)                       | 24 (22.7)                        |
| <ul style="list-style-type: none"> <li>• Water/fuel separator w/ heater and water in fuel (WIF) sensor</li> <li>• 120-volt block heater—Tier 4f/Stage IV</li> <li>• 240-volt block heater—Tier 3/Stage IIIA</li> <li>• Grid heater — 200 amp</li> <li>• <sup>(1)</sup> Can only be sold and/or operated where Tier 4f and Stage IV off-highway emission standards are accepted.</li> <li>• <sup>(2)</sup> Can only be sold and/or operated where Tier 3 and Stage IIIA off-highway emission standards are accepted.</li> </ul> |                                 |                                  |



## ■ Drive System

Hydrostatic type consisting of two variable speed piston pumps supplying hydraulic power to six hydraulic cam lobe wheel drive motors computer controlled for smooth and reliable operation.

## ■ Fuel Tank

One 90 gal (340.6L) capacity tank

### Diesel Exhaust Fluid (DEF) Tank

- One 10 gal (37.9L) 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 gear pump for the boom hoist, telescope, and charge circuits.
- Two, closed-loop piston pumps serve as travel pumps. these two pumps supply hydraulic power to the wheel motors.
- Two, closed-loop piston pumps are mounted to the rear of the two travel pumps. The left pump drives the front winch and the right pump drives the optional rear winch.
- One, pressure compensated piston pump mounted to the rear of the left winch pump supplies hydraulic power to the outrigger, counterweight removal (optional), oscillation, and travel brake circuits.
- One, single section gear pump mounted to the rear of the right side winch pump supplies hydraulic power to the swing and steering circuits.
- One, single section gear pump mounted to the engine front gear train accessory drive supplies hydraulic power to the hydraulic system cooling fan motor.

**Hydraulic Reservoir** — 255 gal (965.2L) capacity equipped with sight level gauge. Diffuser built in for deaeration. Magnetic drain plug and large internal magnet

### Filtration

- One, 7-micron filter located inside hydraulic reservoir, accessible for easy replacement
- One, 7-micron charge filter located next to the reservoir with an in-cab indicator light
- Two, 10-micron pressure filters located next to the reservoir with change indicators
- Three, 100 mesh suction strainers located inside the hydraulic reservoir

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

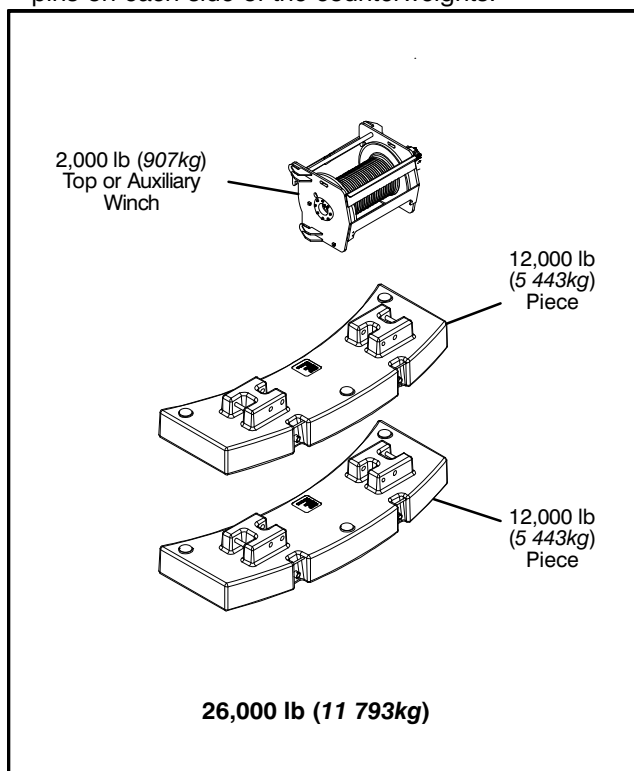
## ■ Pump Drive

All pumps except the hydraulic system, cooling fan, drive pump are mounted on the pump drive gearbox and mechanically driven by the diesel engine.

## ■ Counterweight

Total of 26,000 lb (11 793kg) consisting of two removable counterweights pinned to the upper and auxiliary winch/counterweight with capacities for 0 lb (0kg), 14,000 lb (6 350kg), and 26,000 lb (11 793kg) configurations.

- 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

- 9 ft 11 in (3.02m) wide
- 16 ft 1 in (4.90m) wheelbase (centerline of first axle to centerline of third 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 removable, double box, front and rear pinned to carrier frame. Hydraulic outrigger pin removal — optional.

**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, 26 in (0.66m) diameter, steel pontoons with contact area of 539 in<sup>2</sup> (3 477cm<sup>2</sup>) can be stored for road travel in storage racks on the carrier.

**Main Jack Reaction** — 132,000 lb (59 874kg) force and 245 psi (1 689kPa) ground bearing pressure.

## ■ Steering and Wheel Drive Motors

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

**Drive** — Three modes: 6 x 2 high, 6 x 2 low, and 6 x 6 for off highway travel

**Front Drive Motors** — Steered, driven for 6 x 2 and 6 x 6

**Rear Drive Motors** — Steered, non—driven for 6 x 2 and steered, driven for 6 x 6

## ■ Suspension

**Front** — Double “A” arms connected to oscillation cylinders that lockout when the upper structure rotates 3° past centerline

**Left Rear** — Center and rear wheels mounted on double “A” arms connected to oscillation cylinders that lockout when the upper structure rotates 3° past centerline. Oscillation occurs across left center and left rear wheels.

**Right Rear** — Center and rear wheels mounted on double “A” arms connected to oscillation cylinders that lockout when the upper structure rotates 3° past centerline. Oscillation occurs across right center and right rear wheels.

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

## ■ Tires and Wheels

**Front and Rear** — Six (single) 23.5R25, 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 loaded type, acting on front wheel ends

## ■ Electrical

### 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

## ■ Hydraulic System

**Filtration** — One, 60—micron, full flow, line filter in the wheel motor case drain circuit. Filter includes an in—cab change indicator. Accessible for easy filter replacement.

## ■ Maximum Speed

15.5 mph (24.9 km/h)

## ■ Gradeability

| Counterweight             | Ascending |         | Descending |         | Side    |         |
|---------------------------|-----------|---------|------------|---------|---------|---------|
|                           | Degrees   | % Grade | Degrees    | % Grade | Degrees | % Grade |
| 0 with outriggers removed | 13.0      | 23%     | 7.0        | 12%     | 3.0     | 5%      |
| 0                         | 11.0      | 19%     | 11.0       | 19%     |         |         |
| 14,000 lbs (6.3t)         | 10.0      | 18%     | 10.0       | 18%     |         |         |
| 26,000 lbs (11.7t)        | 5.0       | 9%      | 9.0        | 16%     |         |         |

## ■ Paint

Entire machine is pre-painted and oven baked with Highsolid Paint (2 part epoxy/polyester) and/or (2 part epoxy primer/2 part polyurethane top coat). Standard Link-Belt Red, Link-Belt Gray, and Gloss Black colors apply.

# Axle Loads — Imperial

| Base machine with full tank of fuel<br>and 26,000 lb of counterweight                 | Gross Vehicle<br>Weight <sup>(1)</sup> | Upper Facing Front    |                 | Upper Facing Rear |                 |
|---------------------------------------------------------------------------------------|----------------------------------------|-----------------------|-----------------|-------------------|-----------------|
|                                                                                       |                                        | Front Axle            | Rear Axle Group | Front Axles       | Rear Axle Group |
|                                                                                       | lb                                     | lb                    | lb              | lb                | lb              |
| Tier 4/Stage IV                                                                       | 129,974                                | 39,458                | 90,516          | 58,876            | 71,098          |
| Tier 3/Stage IIIA                                                                     | 129,490                                | 39,512                | 89,978          | 58,450            | 71,040          |
| Operator in cab                                                                       | 250                                    | 161                   | 89              | 31                | 219             |
| Hydraulic outrigger pin removal                                                       | 206                                    | 79                    | 127             | 79                | 127             |
| Remove outrigger boxes and beams                                                      | -17,139                                | -6,633                | -10,505         | -6,542            | -10,597         |
| Pintle hook, front                                                                    | 13                                     | 20                    | -7              | 20                | -7              |
| Pintle hook, rear                                                                     | 13                                     | -10                   | 23              | -10               | 23              |
| Hydraulic counterweight removal                                                       | 292                                    | -151                  | 443             | 125               | 167             |
| Remove 12,000 lb counterweight                                                        | -12,093                                | 6,453                 | -18,546         | -15,750           | 3,657           |
| Remove 12,000 lb counterweight                                                        | -12,093                                | 6,453                 | -18,546         | -15,750           | 3,657           |
| Hoist drum follower — main                                                            | 99                                     | -49                   | 148             | -126              | -26             |
| Auxiliary winch with 500 ft of wire rope —<br>winch replaces auxiliary counterweight  | 841                                    | -480                  | 1,321           | 1,126             | -285            |
| Remove auxiliary winch with 500 ft of wire rope — for two<br>winch configuration only | -2,673                                 | 1,707                 | -4,380          | -3,763            | 1,089           |
| Hoist drum follower — auxiliary                                                       | 101                                    | -75                   | 176             | 153               | -52             |
| Remove 850 ft of wire rope — main winch                                               | -1,451                                 | 544                   | -1,994          | -1,659            | 208             |
| Remove 500 ft of wire rope — auxiliary winch                                          | -863                                   | 494                   | -1,356          | -1,157            | 294             |
| Substitute 500 ft of wire rope with 850 ft of wire rope —<br>auxiliary winch          | 588                                    | -337                  | 925             | 789               | -201            |
| 360° mechanical swing lock                                                            | 140                                    | 57                    | 83              | 50                | 90              |
| Air conditioning                                                                      | 86                                     | 42                    | 44              | 24                | 62              |
| Auxiliary lifting sheave                                                              | 107                                    | 311                   | -204            | -229              | 336             |
| Boom floodlight                                                                       | 7                                      | 18                    | -11             | -13               | 20              |
| Fly mounting brackets to boom base for fly options                                    | 290                                    | 508                   | -218            | -285              | 575             |
| 31—55 ft offsettable, two piece bi—fold fly — stowed                                  | 2,730                                  | 4,460                 | -1,730          | -2,362            | 5,092           |
| 10—31—55 ft offsettable, three piece bi—fold fly — stowed                             | 3,359                                  | 5,876                 | -2,517          | -3,293            | 6,652           |
| 12 ton swivel hook ball (stowed at front/rear<br>bumper)                              | 722                                    | 1,153                 | -431            | -598              | 1,320           |
| 12 ton swivel hook ball (stowed at boom head)                                         | 722                                    | 2,016                 | -1,294          | -1,461            | 2,183           |
| 35 ton 1—sheave hook block (stowed at front/rear bumper)                              | 1,100                                  | 1,756                 | -656            | -911              | 2,011           |
| 35 ton 1—sheave hook block (stowed at boom head)                                      | 1,100                                  | 3,072                 | -1,972          | -2,226            | 3,326           |
| 80 ton 5—sheave hook block (stowed at front/rear bumper)                              | 1,411                                  | 2,253                 | -842            | -1,168            | 2,579           |
| 80 ton 5—sheave hook block (stowed at boom head)                                      | 1,411                                  | 3,940                 | -2,529          | -2,855            | 4,266           |
| 100 ton 6—sheave hook block (stowed at front/rear bump-<br>er)                        | 1,750                                  | 2,794                 | -1,044          | -1,449            | 3,199           |
| 100 ton 6—sheave hook block (stowed at boom head)                                     | 1,750                                  | 4,886                 | -3,136          | -3,541            | 5,291           |
| 140 ton 7—sheave hook block (stowed at front/rear bump-<br>er)                        | 2,394                                  | 3,822                 | -1,428          | -1,982            | 4,376           |
| 140 ton 7—sheave hook block (stowed at boom head)                                     | 2,394                                  | 6,685                 | -4,291          | -4,844            | 7,238           |
| Tire                                                                                  |                                        | Maximum Load @ 20 mph |                 |                   |                 |
| 23.5R25                                                                               |                                        | 57,330 lb             |                 |                   |                 |

(1) Adjust gross vehicle weight and axle loading according to component weight.

Note: All weights are ±3%.

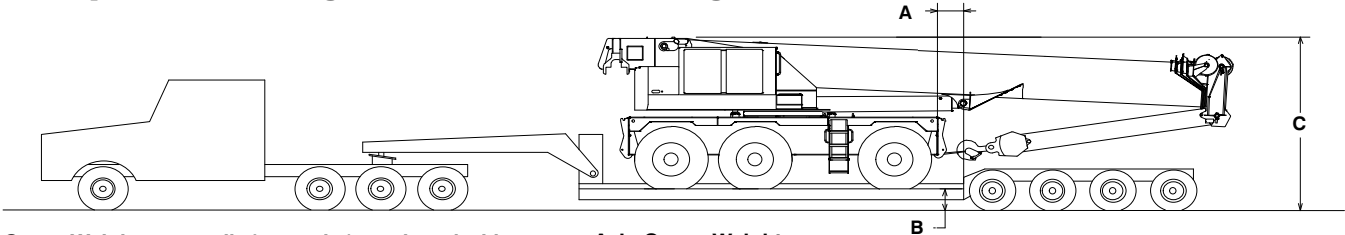
# Axle Loads — Metric

| Base machine with full tank of fuel and<br>11 793.4kg of counterweight<br>Base machine with full tank of fuel and<br>11 793.4kg of counterweight | Gross Vehicle Weight <sup>(1)</sup> | Upper Facing Front |                 | Upper Facing Rear |                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------|-----------------|-------------------|-----------------|
|                                                                                                                                                  |                                     | Front Axle         | Rear Axle Group | Front Axles       | Rear Axle Group |
|                                                                                                                                                  | kg                                  | kg                 | kg              | kg                | kg              |
| Tier 4/Stage IV                                                                                                                                  | 58 955                              | 17 898             | 41 057          | 26 706            | 32 249          |
| Tier 3/Stage IIIA                                                                                                                                | 58 737                              | 17 923             | 40 814          | 26 513            | 32 224          |
| Operator in cab                                                                                                                                  | 113                                 | 73                 | 40              | 14                | 99              |
| Hydraulic outrigger pin removal                                                                                                                  | 93                                  | 36                 | 58              | 36                | 58              |
| Remove outrigger boxes and beams                                                                                                                 | -7 774                              | -3 009             | -4 765          | -2 967            | -4 807          |
| Pintle hook, front                                                                                                                               | 6                                   | 9                  | -3              | 9                 | -3              |
| Pintle hook, rear                                                                                                                                | 6                                   | -4                 | 10              | -4                | 10              |
| Hydraulic counterweight removal                                                                                                                  | 132                                 | -68                | 201             | 57                | 76              |
| Remove 5 443.1kg counterweight                                                                                                                   | -5 485                              | 2 927              | -8 412          | -7 144            | 1 659           |
| Remove 5 443.1kg counterweight                                                                                                                   | -5 485                              | 2 927              | -8 412          | -7 144            | 1 659           |
| Hoist drum follower — main                                                                                                                       | 45                                  | -22                | 67              | 57                | -12             |
| Auxiliary winch with 152.4m of wire rope — winch replaces auxiliary counterweight                                                                | 381                                 | -218               | 599             | 511               | -129            |
| Remove auxiliary winch with 152.48m of wire rope — for two winch configuration only                                                              | -1 213                              | 774                | -1 987          | -1 707            | 494             |
| Hoist drum follower — auxiliary                                                                                                                  | 46                                  | -34                | 80              | 69                | -23             |
| Remove 259.0kg of wire rope — main winch                                                                                                         | -658                                | 247                | -905            | -752              | 94              |
| Remove 152.4m of wire rope — auxiliary winch                                                                                                     | -391                                | 224                | -615            | -525              | 134             |
| Substitute 152.4m of wire rope with 259.0kg of wire rope — auxiliary winch                                                                       | 267                                 | -153               | 419             | 358               | -91             |
| 360° mechanical swing lock                                                                                                                       | 64                                  | 26                 | 37              | 23                | 41              |
| Air conditioning                                                                                                                                 | 39                                  | 19                 | 20              | 11                | 28              |
| Auxiliary lifting sheave                                                                                                                         | 49                                  | 141                | -93             | -104              | 152             |
| Boom floodlight                                                                                                                                  | 3                                   | 8                  | -5              | -6                | 9               |
| Fly mounting brackets to boom base for fly options                                                                                               | 132                                 | 231                | -99             | -129              | 261             |
| 9.4—16.7m offsettable, two piece bi-fold fly — stowed                                                                                            | 1 238                               | 2 023              | -785            | -1 071            | 2 309           |
| 3.0—9.4—16.7m offsettable, three piece bi-fold fly — stowed                                                                                      | 1 524                               | 2 665              | -1 142          | -1 494            | 3 017           |
| 10.8mt swivel hook ball (stowed at front/rear bumper)                                                                                            | 327                                 | 523                | -196            | -271              | 599             |
| 10.8mt swivel hook ball (stowed at boom head)                                                                                                    | 327                                 | 914                | -587            | -663              | 990             |
| 31.7mt 1—sheave hook block (stowed at front/rear bumper)                                                                                         | 499                                 | 797                | -298            | -413              | 912             |
| 31.7mt 1—sheave hook block (stowed at boom head)                                                                                                 | 499                                 | 1 393              | -895            | -1 010            | 1 509           |
| 72.5mt 5—sheave hook block (stowed at front/rear bumper)                                                                                         | 640                                 | 1 022              | -382            | -530              | 1 170           |
| 72.5mt 5—sheave hook block (stowed at boom head)                                                                                                 | 640                                 | 1 787              | -1 147          | -1 295            | 1 935           |
| 90.7mt 6—sheave hook block (stowed at front/rear bumper)                                                                                         | 794                                 | 1 267              | -474            | -657              | 1 451           |
| 90.7mt 6—sheave hook block (stowed at boom head)                                                                                                 | 794                                 | 2 216              | -1 422          | -1 606            | 2 400           |
| 127.0mt 7—sheave hook block (stowed at front/rear bumper)                                                                                        | 1 086                               | 1 734              | -648            | -899              | 1 985           |
| 127.0mt 7—sheave hook block (stowed at boom head)                                                                                                | 1 086                               | 3 032              | -1 946          | -2 197            | 3 283           |

| Tire    | Maximum Load @ 32.2km/h |
|---------|-------------------------|
| 23.5R25 | 26 004kg                |

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

# Transport Configuration and Weights



**Crane Weight: 92,519 lb (41 966kg), equipped with:**

- 40–150 ft (12.19–45.72m), five section boom
- 80 ton (72.57mt) hook block
- One winch with 850 ft (259.08m) of 7/8 in (22mm) rope
- 10–31–55 ft (3.0–9.4–16.7m) 3 piece bi-fold fly
- Winch roller
- Auxiliary arm
- Air conditioning

**Drop Off Load Weight: 44,924 lb (20 377kg)**

- Two outrigger boxes with tow shackles
- 24,000 lb (10 886kg) counterweight
- Rear winch with 500 ft (152.40m) of 7/8 in (22mm) rope
- Winch roller
- 12 ton (10.9mt) hook ball

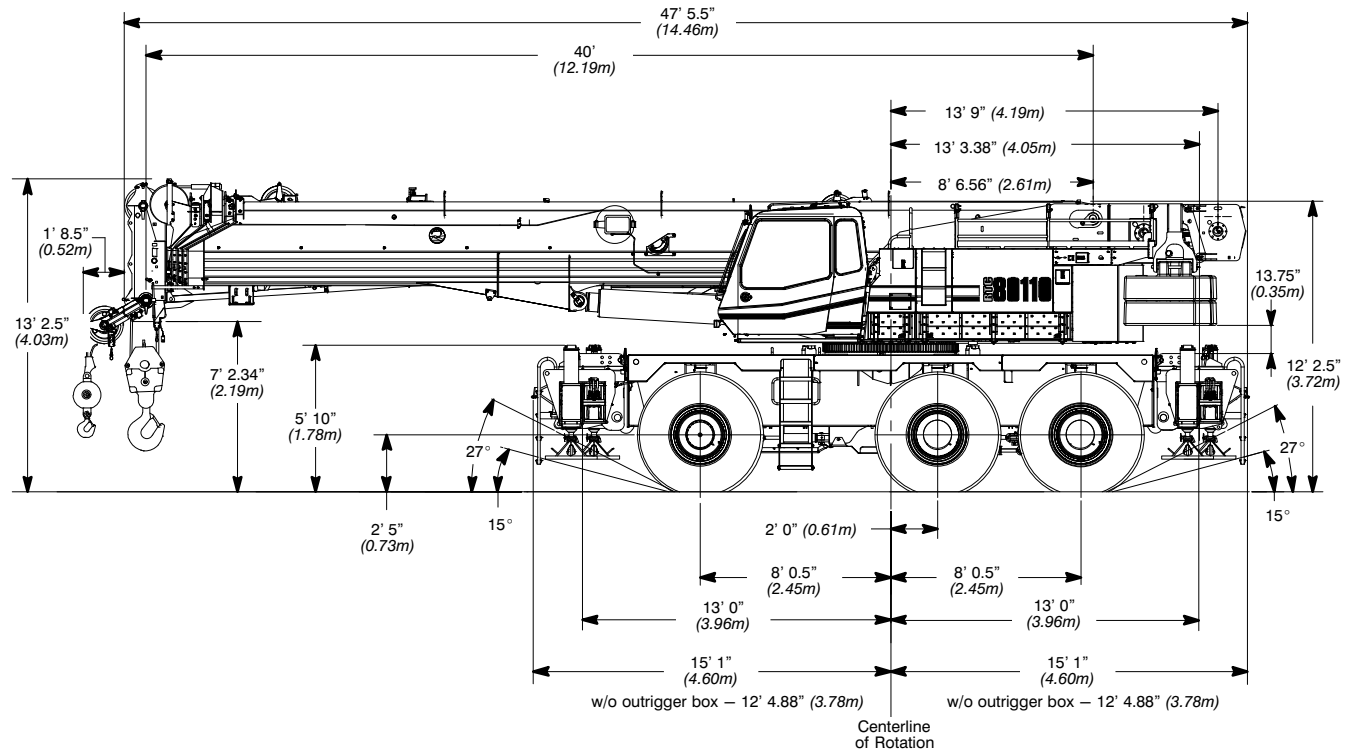
**Axle Group Weights**

| Empty Truck Wt.         | Bed Length       | Steer                  | Drivers                 | Trailer                 | A               |
|-------------------------|------------------|------------------------|-------------------------|-------------------------|-----------------|
| 48,500 lb<br>(22 000kg) | 25 ft<br>(7.62m) | 12,500 lb<br>(5 670kg) | 58,461 lb<br>(26 517kg) | 70,058 lb<br>(31 778kg) | 5 in<br>(0.13m) |

B – 18 in (0.46m) or 24 in (0.61m)

|                                | Normal Suspension  | Collapsed Suspension |
|--------------------------------|--------------------|----------------------|
| C [with 18 in (0.46m) Trailer] | 13 ft 8 in (4.17m) | 13 ft 5 in (4.09m)   |
| C [with 24 in (0.61m) Trailer] | 14 ft 2 in (4.32m) | 13 ft 11 in (4.24m)  |

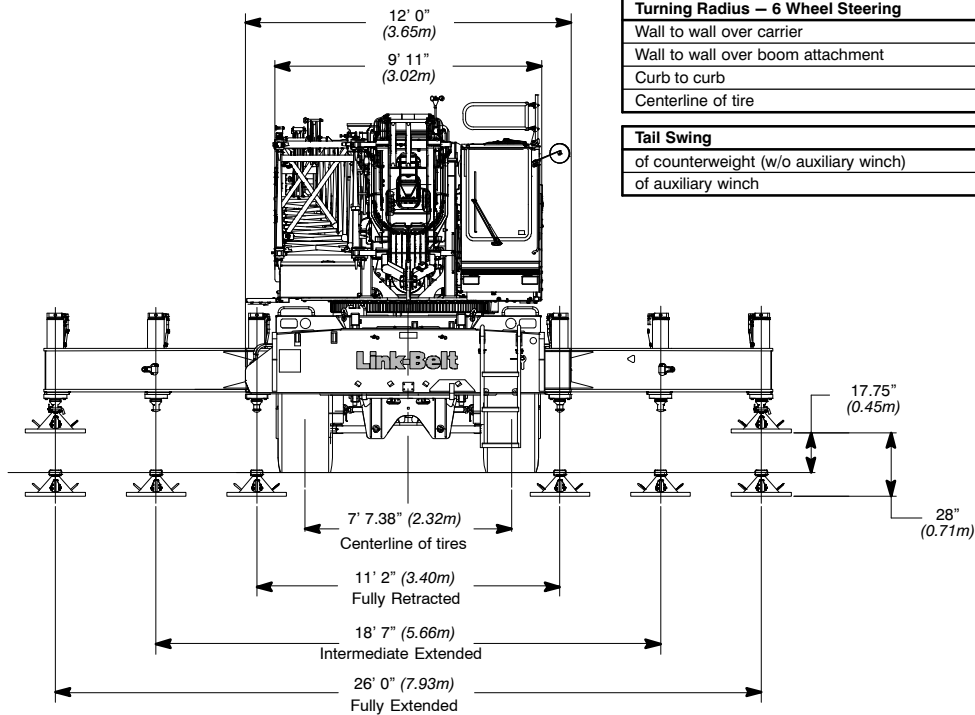
# General Dimensions



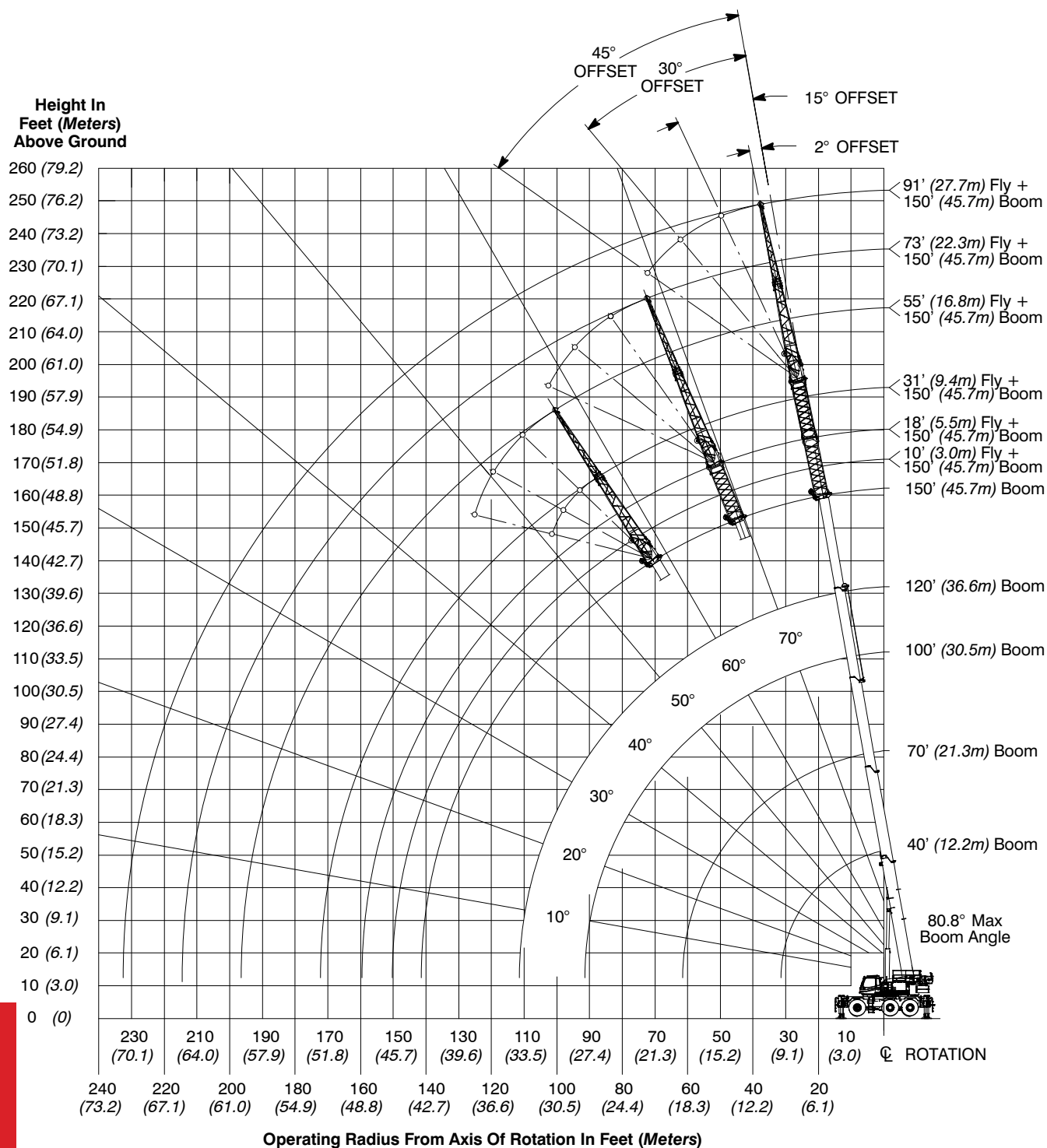
| Turning Radius — 2 Wheel Steering | English   | Metric |
|-----------------------------------|-----------|--------|
| Wall to wall over carrier         | 44' 10.3" | 13.67m |
| Wall to wall over boom attachment | 55'       | 16.76m |
| Curb to curb                      | 41' 4"    | 12.59m |
| Centerline of tire                | 40' 4"    | 12.29m |

| Turning Radius — 6 Wheel Steering | English  | Metric |
|-----------------------------------|----------|--------|
| Wall to wall over carrier         | 25' 5"   | 7.75m  |
| Wall to wall over boom attachment | 37' 7.3" | 11.46m |
| Curb to curb                      | 21' 9"   | 6.63m  |
| Centerline of tire                | 20' 9"   | 6.32m  |

| Tail Swing                             | English | Metric |
|----------------------------------------|---------|--------|
| of counterweight (w/o auxiliary winch) | 13' 9"  | 4.19m  |
| of auxiliary winch                     | 15' 1"  | 4.60m  |



# Working Range Diagram





# Boom Extend Modes

## Boom Mode “Amax<sup>1</sup>”

Inner and center sections telescope simultaneously

|  |            |  | °                    |
|-----------------------------------------------------------------------------------|------------|--|----------------------|
| Telescope Length — ft (m)                                                         |            |  | Boom Length — ft (m) |
| 0 (0)                                                                             | 0 (0)      |  | 40 (12.2)            |
| 5.0 (1.5)                                                                         | 5.0 (1.5)  |  | 50 (15.2)            |
| 10.0 (3.0)                                                                        | 10.0 (3.0) |  | 60 (18.3)            |
| 15.0 (4.6)                                                                        | 15.0 (4.6) |  | 70 (21.3)            |
| 20.0 (6.1)                                                                        | 20.0 (6.1) |  | 80 (24.4)            |
| 25.0 (7.6)                                                                        | 25.0 (7.6) |  | 90 (27.4)            |
| 27.5 (8.4)                                                                        | 27.5 (8.4) |  | 95 (29.0)            |

## Boom Mode “Amax<sup>2</sup>”

Center, outer, and tip sections telescope simultaneously

|  |             |             |                      | ° |
|-----------------------------------------------------------------------------------|-------------|-------------|----------------------|---|
| Telescope Length — ft (m)                                                         |             |             | Boom Length — ft (m) |   |
| 0 (0)                                                                             | 0 (0)       | 0 (0)       | 40 (12.2)            |   |
| 3.33 (1.0)                                                                        | 3.33 (1.0)  | 3.33 (1.0)  | 50 (15.2)            |   |
| 6.66 (2.0)                                                                        | 6.66 (2.0)  | 6.66 (2.0)  | 60 (18.3)            |   |
| 10.00 (3.0)                                                                       | 10.00 (3.0) | 10.00 (3.0) | 70 (21.3)            |   |
| 13.33 (4.1)                                                                       | 13.33 (4.1) | 13.33 (4.1) | 80 (24.4)            |   |
| 16.66 (5.1)                                                                       | 16.66 (5.1) | 16.66 (5.1) | 90 (27.4)            |   |
| 20.00 (6.1)                                                                       | 20.00 (6.1) | 20.00 (6.1) | 100 (30.5)           |   |
| 23.33 (7.1)                                                                       | 23.33 (7.1) | 23.33 (7.1) | 110 (33.5)           |   |
| 27.50 (8.4)                                                                       | 27.50 (8.4) | 27.50 (8.4) | 122.5 (37.3)         |   |

## Boom Mode “Standard”

Inner, center, outer, and tip sections telescope simultaneously

|  |            |            |            |                      | ° |
|-------------------------------------------------------------------------------------|------------|------------|------------|----------------------|---|
| Telescope Length — ft (m)                                                           |            |            |            | Boom Length — ft (m) |   |
| 0 (0)                                                                               | 0 (0)      | 0 (0)      | 0 (0)      | 40 (12.2)            |   |
| 2.5 (0.8)                                                                           | 2.5 (0.8)  | 2.5 (0.8)  | 2.5 (0.8)  | 50 (15.2)            |   |
| 5.0 (1.5)                                                                           | 5.0 (1.5)  | 5.0 (1.5)  | 5.0 (1.5)  | 60 (18.3)            |   |
| 7.5 (2.3)                                                                           | 7.5 (2.3)  | 7.5 (2.3)  | 7.5 (2.3)  | 70 (21.3)            |   |
| 10.0 (3.0)                                                                          | 10.0 (3.0) | 10.0 (3.0) | 10.0 (3.0) | 80 (24.4)            |   |
| 12.5 (3.8)                                                                          | 12.5 (3.8) | 12.5 (3.8) | 12.5 (3.8) | 90 (27.4)            |   |
| 15.0 (4.6)                                                                          | 15.0 (4.6) | 15.0 (4.6) | 15.0 (4.6) | 100 (30.5)           |   |
| 17.5 (5.3)                                                                          | 17.5 (5.3) | 17.5 (5.3) | 17.5 (5.3) | 110 (33.5)           |   |
| 20.0 (6.1)                                                                          | 20.0 (6.1) | 20.0 (6.1) | 20.0 (6.1) | 120 (36.6)           |   |
| 22.5 (6.9)                                                                          | 22.5 (6.9) | 22.5 (6.9) | 22.5 (6.9) | 130 (39.6)           |   |
| 25.0 (7.6)                                                                          | 25.0 (7.6) | 25.0 (7.6) | 25.0 (7.6) | 140 (42.7)           |   |
| 27.5 (8.4)                                                                          | 27.5 (8.4) | 27.5 (8.4) | 27.5 (8.4) | 150 (45.7)           |   |

# Main Boom Lift Capacity Charts – Imperial

| 26,000 lb Counterweight – Fully Extended Outriggers – 360° Rotation<br>(All Capacities Are Listed In Pounds) |                  |         |         |         |         |        |        |        |        |        |        |        |                |
|--------------------------------------------------------------------------------------------------------------|------------------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|----------------|
| Radius<br>(ft)                                                                                               | Boom Length (ft) |         |         |         |         |        |        |        |        |        |        |        | Radius<br>(ft) |
|                                                                                                              | 40               | 50      | 60      | 70      | 80      | 90     | 100    | 110    | 120    | 130    | 140    | 150    |                |
| 10                                                                                                           | *220,000         | 107,200 | 105,400 | 101,500 |         |        |        |        |        |        |        |        | 10             |
| 12                                                                                                           | 187,600          | 107,200 | 105,400 | 101,500 | 101,300 |        |        |        |        |        |        |        | 12             |
| 15                                                                                                           | 164,600          | 107,200 | 105,400 | 101,500 | 96,600  | 81,900 | 56,500 |        |        |        |        |        | 15             |
| 20                                                                                                           | 123,400          | 107,200 | 105,400 | 101,500 | 80,800  | 73,200 | 65,900 | 56,000 |        |        |        |        | 20             |
| 25                                                                                                           | 95,800           | 95,400  | 94,000  | 87,800  | 69,000  | 62,700 | 60,100 | 56,000 | 58,000 |        |        |        | 25             |
| 30                                                                                                           | 77,200           | 76,900  | 76,600  | 76,300  | 59,900  | 55,000 | 53,500 | 56,000 | 51,300 | 48,600 | 38,400 | 30,000 | 30             |
| 35                                                                                                           |                  | 63,700  | 63,400  | 63,200  | 53,200  | 53,000 | 53,500 | 51,800 | 45,400 | 43,100 | 38,400 | 30,000 | 35             |
| 40                                                                                                           |                  | 52,400  | 52,000  | 52,000  | 53,200  | 52,800 | 52,800 | 46,300 | 40,600 | 38,500 | 37,000 | 30,000 | 40             |
| 45                                                                                                           |                  |         | 43,600  | 44,200  | 44,700  | 42,900 | 43,000 | 41,700 | 36,500 | 34,600 | 33,300 | 30,000 | 45             |
| 50                                                                                                           |                  |         | 36,100  | 36,900  | 37,300  | 37,600 | 35,600 | 35,700 | 33,000 | 31,300 | 30,200 | 29,100 | 50             |
| 55                                                                                                           |                  |         |         | 31,300  | 31,800  | 32,100 | 30,200 | 30,300 | 30,000 | 28,500 | 27,500 | 26,500 | 55             |
| 60                                                                                                           |                  |         |         | 26,800  | 27,300  | 27,600 | 27,900 | 25,900 | 25,900 | 25,900 | 25,100 | 24,200 | 60             |
| 65                                                                                                           |                  |         |         |         | 23,700  | 24,000 | 24,300 | 23,600 | 22,400 | 22,400 | 22,400 | 22,100 | 65             |
| 70                                                                                                           |                  |         |         |         | 20,700  | 21,100 | 21,300 | 21,500 | 19,900 | 19,500 | 19,500 | 19,500 | 70             |
| 75                                                                                                           |                  |         |         |         |         | 18,600 | 18,800 | 19,000 | 18,500 | 17,100 | 17,200 | 17,200 | 75             |
| 80                                                                                                           |                  |         |         |         |         | 16,500 | 16,800 | 17,000 | 17,200 | 15,100 | 15,100 | 15,200 | 80             |
| 85                                                                                                           |                  |         |         |         |         |        | 14,900 | 15,200 | 15,400 | 13,300 | 13,300 | 13,400 | 85             |
| 90                                                                                                           |                  |         |         |         |         |        | 13,300 | 13,600 | 13,800 | 11,700 | 11,800 | 11,800 | 90             |
| 95                                                                                                           |                  |         |         |         |         |        |        | 12,200 | 12,400 | 10,400 | 10,400 | 10,400 | 95             |
| 100                                                                                                          |                  |         |         |         |         |        |        | 10,900 | 11,100 | 9,100  | 9,120  | 9,200  | 100            |
| 105                                                                                                          |                  |         |         |         |         |        |        |        | 10,000 | 8,100  | 8,100  | 8,100  | 105            |
| 110                                                                                                          |                  |         |         |         |         |        |        |        | 9,000  | 7,100  | 7,100  | 7,100  | 110            |
| 115                                                                                                          |                  |         |         |         |         |        |        |        |        | 6,200  | 6,200  | 6,300  | 115            |
| 120                                                                                                          |                  |         |         |         |         |        |        |        |        | 5,400  | 5,400  | 5,500  | 120            |
| 125                                                                                                          |                  |         |         |         |         |        |        |        |        |        | 4,700  | 4,800  | 125            |
| 130                                                                                                          |                  |         |         |         |         |        |        |        |        |        | 4,000  | 4,100  | 130            |
| 135                                                                                                          |                  |         |         |         |         |        |        |        |        |        |        | 3,500  | 135            |
| 140                                                                                                          |                  |         |         |         |         |        |        |        |        |        |        | 2,900  | 140            |

\* Special conditions or optional equipment required

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

| 26,000 lb Counterweight — On Tires — Stationary — Boom Centered Over Rear Between Tire Tracks<br>(All Capacities Are Listed In Pounds) |                  |        |        |        |        |        |        |        |        |                |
|----------------------------------------------------------------------------------------------------------------------------------------|------------------|--------|--------|--------|--------|--------|--------|--------|--------|----------------|
| Radius<br>(ft)                                                                                                                         | Boom Length (ft) |        |        |        |        |        |        |        |        | Radius<br>(ft) |
|                                                                                                                                        | 40               | 50     | 60     | 70     | 80     | 90     | 100    | 110    | 120    |                |
| 10                                                                                                                                     | 92,000           |        |        |        |        |        |        |        |        | 10             |
| 12                                                                                                                                     | 73,500           | 61,800 |        |        |        |        |        |        |        | 12             |
| 15                                                                                                                                     | 62,400           | 61,800 | 40,300 |        |        |        |        |        |        | 15             |
| 20                                                                                                                                     | 49,400           | 50,700 | 40,300 | 35,000 |        |        |        |        |        | 20             |
| 25                                                                                                                                     | 39,800           | 41,600 | 40,300 | 35,000 |        |        |        |        |        | 25             |
| 30                                                                                                                                     | 28,700           | 30,500 | 31,600 | 32,200 | 30,700 | 24,100 | 19,400 |        |        | 30             |
| 35                                                                                                                                     |                  | 23,200 | 24,200 | 24,900 | 25,300 | 24,100 | 19,400 | 16,100 |        | 35             |
| 40                                                                                                                                     |                  | 18,100 | 19,100 | 19,700 | 20,200 | 20,500 | 19,400 | 16,100 | 11,600 | 40             |
| 45                                                                                                                                     |                  |        | 15,300 | 16,000 | 16,500 | 16,800 | 17,000 | 16,100 | 11,600 | 45             |
| 50                                                                                                                                     |                  |        | 12,300 | 13,000 | 13,500 | 13,800 | 14,100 | 14,300 | 11,600 | 50             |
| 55                                                                                                                                     |                  |        |        | 10,700 | 11,100 | 11,500 | 11,700 | 11,900 | 10,300 | 55             |
| 60                                                                                                                                     |                  |        |        | 8,700  | 9,200  | 9,600  | 9,800  | 10,000 | 8,400  | 60             |
| 65                                                                                                                                     |                  |        |        |        | 7,600  | 8,000  | 8,200  | 8,400  | 6,900  | 65             |
| 70                                                                                                                                     |                  |        |        |        | 6,300  | 6,600  | 6,900  | 7,100  | 5,500  | 70             |
| 75                                                                                                                                     |                  |        |        |        |        | 5,500  | 5,700  | 5,900  | 4,400  | 75             |
| 80                                                                                                                                     |                  |        |        |        |        | 4,500  | 4,700  | 4,900  | 3,400  | 80             |
| 85                                                                                                                                     |                  |        |        |        |        |        | 3,900  | 4,100  | 2,600  | 85             |
| 90                                                                                                                                     |                  |        |        |        |        |        | 3,100  | 3,300  | 1,800  | 90             |
| 95                                                                                                                                     |                  |        |        |        |        |        |        | 2,700  |        | 95             |
| 100                                                                                                                                    |                  |        |        |        |        |        |        | 2,100  |        | 100            |

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

| 26,000 lb Counterweight — On Tires — Pick & Carry (Creep) — Boom Centered Over Rear<br>(All Capacities Are Listed In Pounds) |                  |        |        |        |        |        |        |        |       |                |
|------------------------------------------------------------------------------------------------------------------------------|------------------|--------|--------|--------|--------|--------|--------|--------|-------|----------------|
| Radius<br>(ft)                                                                                                               | Boom Length (ft) |        |        |        |        |        |        |        |       | Radius<br>(ft) |
|                                                                                                                              | 40               | 50     | 60     | 70     | 80     | 90     | 100    | 110    | 120   |                |
| 10                                                                                                                           | 90,000           |        |        |        |        |        |        |        |       | 10             |
| 12                                                                                                                           | 79,600           | 52,000 |        |        |        |        |        |        |       | 12             |
| 15                                                                                                                           | 67,300           | 52,000 | 32,600 |        |        |        |        |        |       | 15             |
| 20                                                                                                                           | 46,800           | 48,600 | 32,600 | 26,500 |        |        |        |        |       | 20             |
| 25                                                                                                                           | 31,800           | 33,500 | 32,600 | 26,500 |        |        |        |        |       | 25             |
| 30                                                                                                                           | 22,800           | 24,500 | 25,500 | 26,200 | 25,000 | 19,500 | 15,800 |        |       | 30             |
| 35                                                                                                                           |                  | 18,500 | 19,500 | 20,100 | 20,600 | 19,500 | 15,800 | 12,900 |       | 35             |
| 40                                                                                                                           |                  | 14,200 | 15,200 | 15,900 | 16,400 | 16,700 | 15,800 | 12,900 | 8,900 | 40             |
| 45                                                                                                                           |                  |        | 12,000 | 12,700 | 13,100 | 13,500 | 13,700 | 12,900 | 8,900 | 45             |
| 50                                                                                                                           |                  |        | 9,500  | 10,200 | 10,600 | 11,000 | 11,200 | 11,400 | 8,900 | 50             |
| 55                                                                                                                           |                  |        |        | 8,100  | 8,600  | 8,900  | 9,200  | 9,400  | 7,800 | 55             |
| 60                                                                                                                           |                  |        |        | 6,500  | 7,000  | 7,300  | 7,500  | 7,800  | 6,200 | 60             |
| 65                                                                                                                           |                  |        |        |        | 5,600  | 5,900  | 6,200  | 6,400  | 4,800 | 65             |
| 70                                                                                                                           |                  |        |        |        | 4,400  | 4,800  | 5,000  | 5,200  | 3,700 | 70             |
| 75                                                                                                                           |                  |        |        |        |        | 3,800  | 4,000  | 4,200  | 2,700 | 75             |
| 80                                                                                                                           |                  |        |        |        |        | 2,900  | 3,200  | 3,400  |       | 80             |
| 85                                                                                                                           |                  |        |        |        |        |        | 2,400  | 2,600  |       | 85             |
| 90                                                                                                                           |                  |        |        |        |        |        | 1,800  | 1,900  |       | 90             |

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

| 26,000 lb Counterweight – Fully Extended Outriggers – 360° Rotation<br>(All Capacities Are Listed In Pounds) |                                                                   |        |        |        |        |        |        |        |        |        |        |        |                |
|--------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------------|
| Radius<br>(ft)                                                                                               | Main Boom + 10 ft Manual Offset Fly (2°, 15°, 30°, & 45° Offsets) |        |        |        |        |        |        |        |        |        |        |        | Radius<br>(ft) |
|                                                                                                              | Boom Length (ft)                                                  |        |        |        |        |        |        |        |        |        |        |        |                |
|                                                                                                              | 40                                                                | 50     | 60     | 70     | 80     | 90     | 100    | 110    | 120    | 130    | 140    | 150    |                |
| 10                                                                                                           | 52,000                                                            | 52,000 |        |        |        |        |        |        |        |        |        |        | 10             |
| 12                                                                                                           | 48,600                                                            | 49,200 | 52,000 |        |        |        |        |        |        |        |        |        | 12             |
| 15                                                                                                           | 47,700                                                            | 48,300 | 48,700 | 52,100 | 52,100 |        |        |        |        |        |        |        | 15             |
| 20                                                                                                           | 46,600                                                            | 47,200 | 47,600 | 47,800 | 47,700 | 47,500 |        |        |        |        |        |        | 20             |
| 25                                                                                                           | 46,100                                                            | 46,400 | 46,800 | 46,900 | 46,900 | 46,800 | 46,500 | 50,500 | 51,800 |        |        |        | 25             |
| 30                                                                                                           | 46,100                                                            | 46,100 | 46,200 | 46,300 | 46,300 | 46,200 | 46,000 | 45,600 | 44,600 | 42,700 | 31,000 | 24,200 | 30             |
| 35                                                                                                           | 46,100                                                            | 46,100 | 46,000 | 45,900 | 45,800 | 45,700 | 45,500 | 44,200 | 41,600 | 39,500 | 31,000 | 24,200 | 35             |
| 40                                                                                                           | 46,100                                                            | 46,100 | 46,000 | 45,800 | 45,600 | 45,400 | 45,200 | 40,400 | 37,400 | 35,500 | 31,000 | 24,200 | 40             |
| 45                                                                                                           |                                                                   | 43,700 | 43,500 | 43,300 | 43,100 | 43,000 | 42,900 | 37,100 | 33,900 | 32,100 | 30,800 | 24,200 | 45             |
| 50                                                                                                           |                                                                   | 36,400 | 36,100 | 36,000 | 35,800 | 35,700 | 35,600 | 34,400 | 30,600 | 29,000 | 27,900 | 24,200 | 50             |
| 55                                                                                                           |                                                                   |        | 30,700 | 30,500 | 30,300 | 30,200 | 30,100 | 30,100 | 27,900 | 26,400 | 25,300 | 24,200 | 55             |
| 60                                                                                                           |                                                                   |        | 26,300 | 26,100 | 26,000 | 25,800 | 25,700 | 25,700 | 25,400 | 24,000 | 23,100 | 22,200 | 60             |
| 65                                                                                                           |                                                                   |        |        | 22,600 | 22,400 | 22,300 | 22,200 | 22,100 | 22,000 | 22,000 | 21,100 | 20,300 | 65             |
| 70                                                                                                           |                                                                   |        |        | 19,700 | 19,500 | 19,400 | 19,300 | 19,200 | 19,100 | 19,000 | 19,000 | 18,600 | 70             |
| 75                                                                                                           |                                                                   |        |        |        | 17,200 | 17,100 | 17,000 | 16,900 | 16,800 | 16,800 | 16,700 | 16,700 | 75             |
| 80                                                                                                           |                                                                   |        |        |        | 15,100 | 15,000 | 14,900 | 14,800 | 14,800 | 14,700 | 14,700 | 14,600 | 80             |
| 85                                                                                                           |                                                                   |        |        |        |        | 13,200 | 13,100 | 13,000 | 13,000 | 12,900 | 12,900 | 12,800 | 85             |
| 90                                                                                                           |                                                                   |        |        |        |        | 11,700 | 11,600 | 11,500 | 11,400 | 11,400 | 11,300 | 11,300 | 90             |
| 95                                                                                                           |                                                                   |        |        |        |        |        | 10,200 | 10,100 | 10,000 | 10,000 | 9,900  | 9,900  | 95             |
| 100                                                                                                          |                                                                   |        |        |        |        |        | 9,000  | 8,900  | 8,800  | 8,800  | 8,700  | 8,700  | 100            |
| 105                                                                                                          |                                                                   |        |        |        |        |        |        | 7,800  | 7,800  | 7,700  | 7,700  | 7,600  | 105            |
| 110                                                                                                          |                                                                   |        |        |        |        |        |        | 6,900  | 6,800  | 6,700  | 6,700  | 6,600  | 110            |
| 115                                                                                                          |                                                                   |        |        |        |        |        |        |        | 6,000  | 5,900  | 5,800  | 5,800  | 115            |
| 120                                                                                                          |                                                                   |        |        |        |        |        |        |        | 5,200  | 5,100  | 5,000  | 5,000  | 120            |
| 125                                                                                                          |                                                                   |        |        |        |        |        |        |        |        | 4,400  | 4,300  | 4,300  | 125            |
| 130                                                                                                          |                                                                   |        |        |        |        |        |        |        |        | 3,700  | 3,700  | 3,600  | 130            |
| 135                                                                                                          |                                                                   |        |        |        |        |        |        |        |        |        | 3,100  | 3,000  | 135            |
| 140                                                                                                          |                                                                   |        |        |        |        |        |        |        |        |        | 2,500  | 2,500  | 140            |
| 145                                                                                                          |                                                                   |        |        |        |        |        |        |        |        |        |        | 2,000  | 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.

| 26,000 lb Counterweight — Fully Extended Outriggers — 360° Rotation<br>(All Capacities Are Listed In Pounds) |                         |        |        |        |                         |       |       |       |                |
|--------------------------------------------------------------------------------------------------------------|-------------------------|--------|--------|--------|-------------------------|-------|-------|-------|----------------|
| Radius<br>(ft)                                                                                               | 150 ft Main Boom Length |        |        |        |                         |       |       |       | Radius<br>(ft) |
|                                                                                                              | 31 ft Manual Offset Fly |        |        |        | 55 ft Manual Offset Fly |       |       |       |                |
|                                                                                                              | 2°                      | 15°    | 30°    | 45°    | 2°                      | 15°   | 30°   | 45°   |                |
| 35                                                                                                           | 16,100                  |        |        |        |                         |       |       |       | 35             |
| 40                                                                                                           | 16,100                  |        |        |        |                         |       |       |       | 40             |
| 45                                                                                                           | 16,100                  | 16,300 |        |        | 10,600                  |       |       |       | 45             |
| 50                                                                                                           | 16,100                  | 16,300 |        |        | 10,400                  |       |       |       | 50             |
| 55                                                                                                           | 16,100                  | 16,200 | 14,600 |        | 10,200                  | 9,000 |       |       | 55             |
| 60                                                                                                           | 16,100                  | 15,900 | 14,400 | 13,500 | 10,000                  | 8,800 |       |       | 60             |
| 65                                                                                                           | 16,100                  | 15,700 | 14,300 | 13,400 | 9,800                   | 8,700 |       |       | 65             |
| 70                                                                                                           | 16,100                  | 15,400 | 14,100 | 13,300 | 9,600                   | 8,500 | 7,600 |       | 70             |
| 75                                                                                                           | 16,100                  | 15,200 | 13,900 | 13,200 | 9,400                   | 8,400 | 7,500 |       | 75             |
| 80                                                                                                           | 15,000                  | 15,000 | 13,800 | 13,100 | 9,200                   | 8,200 | 7,400 | 6,800 | 80             |
| 85                                                                                                           | 13,600                  | 14,300 | 13,600 | 13,100 | 9,000                   | 8,100 | 7,300 | 6,800 | 85             |
| 90                                                                                                           | 12,000                  | 12,800 | 13,500 | 13,000 | 8,900                   | 7,900 | 7,200 | 6,700 | 90             |
| 95                                                                                                           | 10,600                  | 11,300 | 12,000 | 12,500 | 8,700                   | 7,800 | 7,100 | 6,700 | 95             |
| 100                                                                                                          | 9,400                   | 10,000 | 10,600 | 11,000 | 8,600                   | 7,700 | 7,000 | 6,600 | 100            |
| 105                                                                                                          | 8,300                   | 8,900  | 9,400  | 9,800  | 8,400                   | 7,600 | 6,900 | 6,600 | 105            |
| 110                                                                                                          | 7,300                   | 7,800  | 8,300  | 8,600  | 8,200                   | 7,500 | 6,900 | 6,600 | 110            |
| 115                                                                                                          | 6,400                   | 6,900  | 7,300  | 7,600  | 7,300                   | 7,400 | 6,800 | 6,600 | 115            |
| 120                                                                                                          | 5,600                   | 6,000  | 6,400  | 6,700  | 6,500                   | 7,300 | 6,800 | 6,600 | 120            |
| 125                                                                                                          | 4,900                   | 5,300  | 5,600  | 5,800  | 5,700                   | 6,500 | 6,700 | 6,600 | 125            |
| 130                                                                                                          | 4,200                   | 4,600  | 4,900  | 5,100  | 5,000                   | 5,700 | 6,400 | 6,600 | 130            |
| 135                                                                                                          | 3,600                   | 3,900  | 4,200  | 4,300  | 4,400                   | 5,100 | 5,700 | 6,100 | 135            |
| 140                                                                                                          | 3,000                   | 3,300  | 3,600  |        | 3,800                   | 4,400 | 5,000 | 5,300 | 140            |
| 145                                                                                                          | 2,500                   | 2,800  | 3,000  |        | 3,300                   | 3,900 | 4,400 | 4,700 | 145            |
| 150                                                                                                          | 2,000                   | 2,300  | 2,400  |        | 2,800                   | 3,300 | 3,800 | 4,000 | 150            |
| 155                                                                                                          | 1,600                   | 1,800  | 1,900  |        | 2,400                   | 2,800 | 3,200 | 3,400 | 155            |
| 160                                                                                                          | 1,200                   | 1,400  |        |        | 1,900                   | 2,400 | 2,700 | 2,800 | 160            |
| 165                                                                                                          |                         |        |        |        | 1,600                   | 1,900 | 2,200 | 2,300 | 165            |
| 170                                                                                                          |                         |        |        |        | 1,200                   | 1,500 | 1,800 |       | 170            |
| 175                                                                                                          |                         |        |        |        |                         |       | 1,300 |       | 175            |
| 180                                                                                                          |                         |        |        |        |                         |       |       |       | 180            |

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.

| 26,000 lb Counterweight — Fully Extended Outriggers — 360° Rotation<br>(All Capacities Are Listed In Pounds) |                         |       |       |       |                         |       |       |       |                |
|--------------------------------------------------------------------------------------------------------------|-------------------------|-------|-------|-------|-------------------------|-------|-------|-------|----------------|
| Radius<br>(ft)                                                                                               | 150 ft Main Boom Length |       |       |       |                         |       |       |       | Radius<br>(ft) |
|                                                                                                              | 73 ft Manual Offset Fly |       |       |       | 91 ft Manual Offset Fly |       |       |       |                |
|                                                                                                              | 2°                      | 15°   | 30°   | 45°   | 2°                      | 15°   | 30°   | 45°   |                |
| 45                                                                                                           | 8,700                   |       |       |       |                         |       |       |       | 45             |
| 50                                                                                                           | 8,600                   |       |       |       |                         |       |       |       | 50             |
| 55                                                                                                           | 8,500                   |       |       |       | 6,400                   |       |       |       | 55             |
| 60                                                                                                           | 8,400                   |       |       |       | 6,400                   |       |       |       | 60             |
| 65                                                                                                           | 8,300                   | 7,600 |       |       | 6,400                   |       |       |       | 65             |
| 70                                                                                                           | 8,200                   | 7,500 |       |       | 6,400                   | 6,200 |       |       | 70             |
| 75                                                                                                           | 8,100                   | 7,400 |       |       | 6,400                   | 6,100 |       |       | 75             |
| 80                                                                                                           | 8,000                   | 7,300 | 6,700 |       | 6,400                   | 6,100 |       |       | 80             |
| 85                                                                                                           | 7,900                   | 7,200 | 6,600 |       | 6,400                   | 6,000 | 5,600 |       | 85             |
| 90                                                                                                           | 7,900                   | 7,100 | 6,600 | 6,200 | 6,400                   | 6,000 | 5,600 |       | 90             |
| 95                                                                                                           | 7,800                   | 7,100 | 6,500 | 6,200 | 6,400                   | 5,900 | 5,500 | 5,200 | 95             |
| 100                                                                                                          | 7,700                   | 7,000 | 6,400 | 6,100 | 6,400                   | 5,900 | 5,500 | 5,000 | 100            |
| 105                                                                                                          | 7,600                   | 6,900 | 6,400 | 6,000 | 6,400                   | 5,900 | 5,300 | 4,800 | 105            |
| 110                                                                                                          | 7,500                   | 6,900 | 6,300 | 5,900 | 6,300                   | 5,700 | 5,100 | 4,700 | 110            |
| 115                                                                                                          | 7,200                   | 6,800 | 6,300 | 5,700 | 6,200                   | 5,400 | 4,900 | 4,500 | 115            |
| 120                                                                                                          | 6,300                   | 6,700 | 6,100 | 5,600 | 5,900                   | 5,200 | 4,700 | 4,400 | 120            |
| 125                                                                                                          | 5,600                   | 6,400 | 6,000 | 5,500 | 5,600                   | 5,000 | 4,500 | 4,200 | 125            |
| 130                                                                                                          | 4,900                   | 5,600 | 5,800 | 5,400 | 4,900                   | 4,800 | 4,400 | 4,100 | 130            |
| 135                                                                                                          | 4,300                   | 5,000 | 5,600 | 5,300 | 4,300                   | 4,600 | 4,200 | 4,000 | 135            |
| 140                                                                                                          | 3,700                   | 4,300 | 5,000 | 5,200 | 3,700                   | 4,400 | 4,100 | 3,800 | 140            |
| 145                                                                                                          | 3,100                   | 3,700 | 4,300 | 4,700 | 3,100                   | 3,800 | 3,900 | 3,700 | 145            |
| 150                                                                                                          | 2,600                   | 3,200 | 3,700 | 4,100 | 2,600                   | 3,300 | 3,800 | 3,600 | 150            |
| 155                                                                                                          | 2,200                   | 2,700 | 3,200 | 3,500 | 2,200                   | 2,800 | 3,300 | 3,500 | 155            |
| 160                                                                                                          | 1,700                   | 2,200 | 2,700 | 2,900 | 1,700                   | 2,300 | 2,800 | 3,100 | 160            |
| 165                                                                                                          | 1,300                   | 1,800 | 2,200 | 2,400 | 1,300                   | 1,800 | 2,300 | 2,600 | 165            |
| 170                                                                                                          |                         | 1,400 | 1,700 | 1,900 |                         | 1,400 | 1,900 | 2,100 | 170            |
| 175                                                                                                          |                         |       | 1,300 | 1,400 |                         |       | 1,400 | 1,700 | 175            |
| 180                                                                                                          |                         |       |       |       |                         |       |       | 1,200 | 180            |

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

# Main Boom Lift Capacity Charts – 75% – Metric

| 11 793kg Counterweight – Fully Extended Outriggers – 360° Rotation<br>(All Capacities Are Listed In Kilograms) |                 |        |        |        |        |        |        |        |        |        |        |        |               |
|----------------------------------------------------------------------------------------------------------------|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|
| Radius<br>(m)                                                                                                  | Boom Length (m) |        |        |        |        |        |        |        |        |        |        |        | Radius<br>(m) |
|                                                                                                                | 12.19           | 15.2   | 18.3   | 21.3   | 24.4   | 27.4   | 30.5   | 33.5   | 36.6   | 39.6   | 42.7   | 45.72  |               |
| 3                                                                                                              | *100 000        | 48 550 | 47 750 | 46 000 |        |        |        |        |        |        |        |        | 3             |
| 3.5                                                                                                            | 86 700          | 48 550 | 47 750 | 46 000 |        |        |        |        |        |        |        |        | 3.5           |
| 4                                                                                                              | 81 450          | 48 550 | 47 750 | 46 000 | 46 100 |        |        |        |        |        |        |        | 4             |
| 4.5                                                                                                            | 75 450          | 48 550 | 47 750 | 46 000 | 44 200 | 37 100 | 24 250 |        |        |        |        |        | 4.5           |
| 5                                                                                                              | 69 650          | 48 550 | 47 750 | 46 000 | 41 550 | 37 100 | 24 250 |        |        |        |        |        | 5             |
| 6                                                                                                              | 57 000          | 48 550 | 47 750 | 46 000 | 37 050 | 33 550 | 24 250 | 25 400 |        |        |        |        | 6             |
| 7                                                                                                              | 47 900          | 47 650 | 47 450 | 42 400 | 33 300 | 30 250 | 24 250 | 25 400 |        |        |        |        | 7             |
| 8                                                                                                              | 41 050          | 40 850 | 40 700 | 38 350 | 30 150 | 27 400 | 24 250 | 25 400 | 26 300 |        |        |        | 8             |
| 9                                                                                                              | 35 700          | 35 550 | 35 400 | 35 050 | 27 500 | 25 000 | 24 250 | 25 400 | 23 550 | 22 300 | 17 400 | 13 600 | 9             |
| 10                                                                                                             |                 | 29 200 | 28 900 | 28 700 | 25 200 | 24 650 | 24 250 | 24 750 | 21 700 | 20 550 | 17 400 | 13 600 | 10            |
| 12                                                                                                             |                 | 21 600 | 22 100 | 22 350 | 22 550 | 21 750 | 21 800 | 21 300 | 18 650 | 17 700 | 17 000 | 13 600 | 12            |
| 14                                                                                                             |                 |        | 16 800 | 17 050 | 17 250 | 17 350 | 16 550 | 16 550 | 16 250 | 15 400 | 14 850 | 13 600 | 14            |
| 16                                                                                                             |                 |        |        | 13 550 | 13 750 | 13 900 | 13 100 | 13 150 | 13 150 | 13 150 | 13 050 | 12 600 | 16            |
| 18                                                                                                             |                 |        |        | 11 000 | 11 200 | 11 350 | 10 600 | 10 650 | 10 650 | 10 650 | 10 650 | 10 650 | 18            |
| 20                                                                                                             |                 |        |        |        | 9 300  | 9 450  | 8 750  | 8 750  | 8 750  | 8 800  | 8 800  | 8 800  | 20            |
| 22                                                                                                             |                 |        |        |        |        | 7 950  | 7 350  | 7 350  | 7 400  | 7 400  | 7 400  | 7 400  | 22            |
| 24                                                                                                             |                 |        |        |        |        | 6 800  | 6 100  | 6 150  | 6 200  | 6 200  | 6 250  | 6 250  | 24            |
| 26                                                                                                             |                 |        |        |        |        |        | 5 050  | 5 100  | 5 150  | 5 200  | 5 200  | 5 200  | 26            |
| 28                                                                                                             |                 |        |        |        |        |        |        | 4 250  | 4 300  | 4 350  | 4 350  | 4 350  | 28            |
| 30                                                                                                             |                 |        |        |        |        |        |        | 3 500  | 3 550  | 3 600  | 3 650  | 3 650  | 30            |
| 32                                                                                                             |                 |        |        |        |        |        |        |        | 2 950  | 2 950  | 3 000  | 3 000  | 32            |
| 34                                                                                                             |                 |        |        |        |        |        |        |        |        | 2 450  | 2 450  | 2 500  | 34            |
| 36                                                                                                             |                 |        |        |        |        |        |        |        |        | 1 950  | 2 000  | 2 000  | 36            |
| 38                                                                                                             |                 |        |        |        |        |        |        |        |        |        | 1 550  | 1 600  | 38            |
| 40                                                                                                             |                 |        |        |        |        |        |        |        |        |        | 1 200  | 1 200  | 40            |
| 42                                                                                                             |                 |        |        |        |        |        |        |        |        |        |        | 900    | 42            |

\* Special conditions or optional equipment required

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



**11 793kg Counterweight — On Tires — Stationary — Boom Centered Over Rear Between Tire Tracks**  
**(All Capacities Are Listed In kilograms)**

| Radius<br>(m) | Boom Length (m) |        |        |        |        |        |       |       |       | Radius<br>(m) |
|---------------|-----------------|--------|--------|--------|--------|--------|-------|-------|-------|---------------|
|               | 12.61           | 15.2   | 18.3   | 21.3   | 24.4   | 27.4   | 30.5  | 33.5  | 37.3  |               |
| 3             | 41 700          |        |        |        |        |        |       |       |       | 3             |
| 3.5           | 34 400          | 28 000 |        |        |        |        |       |       |       | 3.5           |
| 4             | 31 300          | 28 000 |        |        |        |        |       |       |       | 4             |
| 4.5           | 28 650          | 28 000 | 18 250 |        |        |        |       |       |       | 4.5           |
| 5             | 26 400          | 26 200 | 18 250 |        |        |        |       |       |       | 5             |
| 6             | 22 700          | 23 300 | 18 250 | 15 850 |        |        |       |       |       | 6             |
| 7             | 18 150          | 18 900 | 18 250 | 15 850 |        |        |       |       |       | 7             |
| 8             | 14 350          | 15 050 | 15 450 | 15 700 |        |        |       |       |       | 8             |
| 9             | 11 600          | 12 300 | 12 700 | 12 950 | 13 100 | 10 900 | 8 800 |       |       | 9             |
| 10            |                 | 10 250 | 10 650 | 10 900 | 11 050 | 10 900 | 8 800 | 7 300 |       | 10            |
| 12            |                 | 7 300  | 7 750  | 7 950  | 8 150  | 8 250  | 8 300 | 7 300 | 6 100 | 12            |
| 14            |                 |        | 5 750  | 6 050  | 6 200  | 6 350  | 6 450 | 6 500 | 6 100 | 14            |
| 16            |                 |        |        | 4 600  | 4 800  | 4 950  | 5 050 | 5 100 | 5 150 | 16            |
| 18            |                 |        |        | 3 550  | 3 750  | 3 850  | 4 000 | 4 050 | 4 100 | 18            |
| 20            |                 |        |        |        | 2 900  | 3 050  | 3 150 | 3 250 | 3 300 | 20            |
| 22            |                 |        |        |        |        | 2 400  | 2 500 | 2 550 | 2 650 | 22            |
| 24            |                 |        |        |        |        | 1 750  | 1 900 | 1 950 | 2 050 | 24            |
| 26            |                 |        |        |        |        |        | 1 350 | 1 450 | 1 550 | 26            |
| 28            |                 |        |        |        |        |        |       | 1 000 | 1 100 | 28            |
| 30            |                 |        |        |        |        |        |       |       | 750   | 30            |
| 32            |                 |        |        |        |        |        |       |       |       | 32            |
| 34            |                 |        |        |        |        |        |       |       |       | 34            |
| 36            |                 |        |        |        |        |        |       |       |       | 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.

| 11 793kg Counterweight — On Tires — Pick & Carry (Creep) — Boom Centered Over Rear<br>(All Capacities Are Listed In kilograms) |                 |        |        |        |        |       |       |       |       |               |
|--------------------------------------------------------------------------------------------------------------------------------|-----------------|--------|--------|--------|--------|-------|-------|-------|-------|---------------|
| Radius<br>(m)                                                                                                                  | Boom Length (m) |        |        |        |        |       |       |       |       | Radius<br>(m) |
|                                                                                                                                | 12.61           | 15.2   | 18.3   | 21.3   | 24.4   | 27.4  | 30.5  | 33.5  | 37.3  |               |
| 3                                                                                                                              | 41 050          |        |        |        |        |       |       |       |       | 3             |
| 3.5                                                                                                                            | 37 250          | 23 550 |        |        |        |       |       |       |       | 3.5           |
| 4                                                                                                                              | 33 850          | 23 550 |        |        |        |       |       |       |       | 4             |
| 4.5                                                                                                                            | 30 900          | 23 550 | 14 750 |        |        |       |       |       |       | 4.5           |
| 5                                                                                                                              | 25 850          | 23 550 | 14 750 |        |        |       |       |       |       | 5             |
| 6                                                                                                                              | 18 900          | 19 600 | 14 750 | 12 000 |        |       |       |       |       | 6             |
| 7                                                                                                                              | 14 500          | 15 200 | 14 750 | 12 000 |        |       |       |       |       | 7             |
| 8                                                                                                                              | 11 450          | 12 150 | 12 550 | 12 000 |        |       |       |       |       | 8             |
| 9                                                                                                                              | 9 250           | 9 900  | 10 300 | 10 550 | 10 700 | 8 800 | 7 150 |       |       | 9             |
| 10                                                                                                                             |                 | 8 200  | 8 550  | 8 850  | 9 000  | 8 800 | 7 150 | 5 850 |       | 10            |
| 12                                                                                                                             |                 | 5 800  | 6 150  | 6 450  | 6 600  | 6 750 | 6 800 | 5 850 | 4 850 | 12            |
| 14                                                                                                                             |                 |        | 4 500  | 4 750  | 4 950  | 5 100 | 5 200 | 5 250 | 4 850 | 14            |
| 16                                                                                                                             |                 |        |        | 3 550  | 3 750  | 3 900 | 4 000 | 4 050 | 4 100 | 16            |
| 18                                                                                                                             |                 |        |        | 2 650  | 2 850  | 2 950 | 3 050 | 3 150 | 3 200 | 18            |
| 20                                                                                                                             |                 |        |        |        | 2 050  | 2 200 | 2 350 | 2 450 | 2 500 | 20            |
| 22                                                                                                                             |                 |        |        |        |        | 1 550 | 1 700 | 1 800 | 1 900 | 22            |
| 24                                                                                                                             |                 |        |        |        |        | 1 000 | 1 150 | 1 250 | 1 350 | 24            |
| 26                                                                                                                             |                 |        |        |        |        |       |       | 800   | 900   | 26            |

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 (Metric)

| 11 793kg Counterweight — Fully Extended Outriggers — 360° Rotation<br>(All Capacities Are Listed In Kilograms) |                                                                |        |        |        |        |        |        |        |        |        |        |        |               |
|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|
| Radius<br>(m)                                                                                                  | Main Boom + 3m Manual Offset Fly (2°, 15°, 30°, & 45° Offsets) |        |        |        |        |        |        |        |        |        |        |        | Radius<br>(m) |
|                                                                                                                | Boom Length (m)                                                |        |        |        |        |        |        |        |        |        |        |        |               |
|                                                                                                                | 12.19                                                          | 15.2   | 18.3   | 21.3   | 24.4   | 27.4   | 30.5   | 33.5   | 36.6   | 39.6   | 42.7   | 45.72  |               |
| 3                                                                                                              | 23 550                                                         | 23 550 |        |        |        |        |        |        |        |        |        |        | 3             |
| 3.5                                                                                                            | 23 500                                                         | 23 500 |        |        |        |        |        |        |        |        |        |        | 3.5           |
| 4                                                                                                              | 21 900                                                         | 22 150 | 23 550 |        |        |        |        |        |        |        |        |        | 4             |
| 4.5                                                                                                            | 21 650                                                         | 21 950 | 22 150 | 23 650 | 23 600 |        |        |        |        |        |        |        | 4.5           |
| 5                                                                                                              | 21 450                                                         | 21 750 | 21 950 | 23 500 | 23 500 |        |        |        |        |        |        |        | 5             |
| 6                                                                                                              | 21 150                                                         | 21 400 | 21 600 | 21 700 | 21 650 | 21 550 |        |        |        |        |        |        | 6             |
| 7                                                                                                              | 20 950                                                         | 21 150 | 21 350 | 21 450 | 21 400 | 21 350 |        |        |        |        |        |        | 7             |
| 8                                                                                                              | 20 900                                                         | 21 000 | 21 150 | 21 200 | 21 200 | 21 150 | 21 050 | 22 750 | 23 050 |        |        |        | 8             |
| 9                                                                                                              | 20 900                                                         | 20 900 | 20 950 | 21 050 | 21 000 | 20 950 | 20 850 | 20 700 | 20 200 | 19 300 | 14 050 | 10 950 | 9             |
| 10                                                                                                             | 20 900                                                         | 20 900 | 20 850 | 20 900 | 20 850 | 20 800 | 20 700 | 20 550 | 19 650 | 18 650 | 14 050 | 10 950 | 10            |
| 12                                                                                                             | 20 900                                                         | 20 900 | 20 850 | 20 750 | 20 700 | 20 600 | 20 500 | 18 500 | 17 200 | 16 300 | 14 050 | 10 950 | 12            |
| 14                                                                                                             |                                                                | 16 850 | 16 750 | 16 700 | 16 600 | 16 550 | 16 500 | 16 500 | 15 050 | 14 250 | 13 700 | 10 950 | 14            |
| 16                                                                                                             |                                                                |        | 13 300 | 13 250 | 13 200 | 13 150 | 13 100 | 13 050 | 13 000 | 12 550 | 12 050 | 10 950 | 16            |
| 18                                                                                                             |                                                                |        | 10 800 | 10 750 | 10 650 | 10 600 | 10 600 | 10 550 | 10 500 | 10 500 | 10 450 | 10 250 | 18            |
| 20                                                                                                             |                                                                |        |        | 8 850  | 8 800  | 8 750  | 8 700  | 8 650  | 8 650  | 8 600  | 8 600  | 8 550  | 20            |
| 22                                                                                                             |                                                                |        |        |        | 7 400  | 7 350  | 7 300  | 7 300  | 7 250  | 7 250  | 7 200  | 7 200  | 22            |
| 24                                                                                                             |                                                                |        |        |        | 6 200  | 6 150  | 6 100  | 6 050  | 6 050  | 6 000  | 6 000  | 6 000  | 24            |
| 26                                                                                                             |                                                                |        |        |        |        | 5 150  | 5 100  | 5 050  | 5 000  | 5 000  | 5 000  | 4 950  | 26            |
| 28                                                                                                             |                                                                |        |        |        |        |        | 4 250  | 4 200  | 4 200  | 4 150  | 4 150  | 4 100  | 28            |
| 30                                                                                                             |                                                                |        |        |        |        |        | 3 550  | 3 500  | 3 450  | 3 450  | 3 400  | 3 400  | 30            |
| 32                                                                                                             |                                                                |        |        |        |        |        |        | 2 900  | 2 850  | 2 800  | 2 800  | 2 750  | 32            |
| 34                                                                                                             |                                                                |        |        |        |        |        |        |        | 2 300  | 2 300  | 2 250  | 2 250  | 34            |
| 36                                                                                                             |                                                                |        |        |        |        |        |        |        | 1 850  | 1 850  | 1 800  | 1 800  | 36            |
| 38                                                                                                             |                                                                |        |        |        |        |        |        |        |        | 1 450  | 1 400  | 1 350  | 38            |
| 40                                                                                                             |                                                                |        |        |        |        |        |        |        |        | 1 100  | 1 050  | 1 000  | 40            |
| 42                                                                                                             |                                                                |        |        |        |        |        |        |        |        |        | 750    | 700    | 42            |

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.

| 11 793kg Counterweight – Fully Extended Outriggers – 360° Rotation<br>(All Capacities Are Listed In Kilograms) |                        |       |       |       |                         |       |       |       |               |
|----------------------------------------------------------------------------------------------------------------|------------------------|-------|-------|-------|-------------------------|-------|-------|-------|---------------|
| Radius<br>(m)                                                                                                  | 45.7m Main Boom Length |       |       |       |                         |       |       |       | Radius<br>(m) |
|                                                                                                                | 9.4m Manual Offset Fly |       |       |       | 16.8m Manual Offset Fly |       |       |       |               |
|                                                                                                                | 2°                     | 15°   | 30°   | 45°   | 2°                      | 15°   | 30°   | 45°   |               |
| 10                                                                                                             | 7 300                  |       |       |       |                         |       |       |       | 10            |
| 12                                                                                                             | 7 300                  |       |       |       |                         |       |       |       | 12            |
| 14                                                                                                             | 7 300                  | 7 350 |       |       | 4 750                   |       |       |       | 14            |
| 16                                                                                                             | 7 300                  | 7 350 |       |       | 4 650                   |       |       |       | 16            |
| 18                                                                                                             | 7 300                  | 7 250 | 6 550 |       | 4 550                   | 4 000 |       |       | 18            |
| 20                                                                                                             | 7 300                  | 7 100 | 6 450 | 6 050 | 4 400                   | 3 900 |       |       | 20            |
| 22                                                                                                             | 7 300                  | 6 950 | 6 350 | 6 000 | 4 300                   | 3 850 | 3 400 |       | 22            |
| 24                                                                                                             | 6 350                  | 6 700 | 6 250 | 5 950 | 4 200                   | 3 750 | 3 350 |       | 24            |
| 26                                                                                                             | 5 300                  | 5 700 | 6 050 | 5 900 | 4 100                   | 3 650 | 3 300 | 3 100 | 26            |
| 28                                                                                                             | 4 450                  | 4 750 | 5 100 | 5 350 | 4 000                   | 3 600 | 3 250 | 3 050 | 28            |
| 30                                                                                                             | 3 700                  | 4 000 | 4 300 | 4 500 | 3 900                   | 3 500 | 3 200 | 3 000 | 30            |
| 32                                                                                                             | 3 100                  | 3 350 | 3 600 | 3 750 | 3 500                   | 3 450 | 3 150 | 3 000 | 32            |
| 34                                                                                                             | 2 550                  | 2 750 | 3 000 | 3 150 | 2 950                   | 3 350 | 3 100 | 3 000 | 34            |
| 36                                                                                                             | 2 050                  | 2 300 | 2 450 | 2 600 | 2 450                   | 2 850 | 3 100 | 2 950 | 36            |
| 38                                                                                                             | 1 650                  | 1 850 | 2 000 | 2 100 | 2 050                   | 2 400 | 2 700 | 2 950 | 38            |
| 40                                                                                                             | 1 250                  | 1 450 | 1 600 | 1 650 | 1 650                   | 1 950 | 2 250 | 2 450 | 40            |
| 42                                                                                                             | 950                    | 1 100 | 1 200 | 1 250 | 1 300                   | 1 600 | 1 850 | 2 050 | 42            |
| 44                                                                                                             | 650                    | 750   | 850   |       | 1 000                   | 1 250 | 1 500 | 1 650 | 44            |
| 46                                                                                                             |                        |       |       |       | 750                     | 950   | 1 150 | 1 300 | 46            |
| 48                                                                                                             |                        |       |       |       |                         | 700   | 850   | 950   | 48            |
| 50                                                                                                             |                        |       |       |       |                         |       | 600   | 600   | 50            |

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

| 11 793kg Counterweight — Fully Extended Outriggers — 360° Rotation<br>(All Capacities Are Listed In Kilograms) |                         |       |       |       |                         |       |       |       |               |
|----------------------------------------------------------------------------------------------------------------|-------------------------|-------|-------|-------|-------------------------|-------|-------|-------|---------------|
| Radius<br>(m)                                                                                                  | 45.7m Main Boom Length  |       |       |       |                         |       |       |       | Radius<br>(m) |
|                                                                                                                | 22.3m Manual Offset Fly |       |       |       | 27.7m Manual Offset Fly |       |       |       |               |
|                                                                                                                | 2°                      | 15°   | 30°   | 45°   | 2°                      | 15°   | 30°   | 45°   |               |
| 14                                                                                                             | 3 900                   |       |       |       |                         |       |       |       | 14            |
| 16                                                                                                             | 3 850                   |       |       |       |                         |       |       |       | 16            |
| 18                                                                                                             | 3 800                   |       |       |       | 2 900                   |       |       |       | 18            |
| 20                                                                                                             | 3 750                   | 3 400 |       |       | 2 900                   |       |       |       | 20            |
| 22                                                                                                             | 3 700                   | 3 350 |       |       | 2 900                   | 2 800 |       |       | 22            |
| 24                                                                                                             | 3 650                   | 3 300 | 3 050 |       | 2 900                   | 2 750 |       |       | 24            |
| 26                                                                                                             | 3 600                   | 3 250 | 3 000 |       | 2 900                   | 2 750 | 2 550 |       | 26            |
| 28                                                                                                             | 3 550                   | 3 200 | 2 950 | 2 800 | 2 900                   | 2 700 | 2 500 |       | 28            |
| 30                                                                                                             | 3 500                   | 3 200 | 2 950 | 2 800 | 2 900                   | 2 700 | 2 500 | 2 300 | 30            |
| 32                                                                                                             | 3 450                   | 3 150 | 2 900 | 2 700 | 2 900                   | 2 650 | 2 400 | 2 200 | 32            |
| 34                                                                                                             | 2 900                   | 3 100 | 2 850 | 2 650 | 2 850                   | 2 550 | 2 250 | 2 100 | 34            |
| 36                                                                                                             | 2 400                   | 2 800 | 2 800 | 2 550 | 2 400                   | 2 400 | 2 150 | 2 000 | 36            |
| 38                                                                                                             | 1 950                   | 2 350 | 2 700 | 2 500 | 1 950                   | 2 250 | 2 050 | 1 900 | 38            |
| 40                                                                                                             | 1 550                   | 1 900 | 2 250 | 2 400 | 1 600                   | 1 950 | 1 950 | 1 850 | 40            |
| 42                                                                                                             | 1 250                   | 1 550 | 1 850 | 2 050 | 1 250                   | 1 550 | 1 850 | 1 750 | 42            |
| 44                                                                                                             | 900                     | 1 200 | 1 500 | 1 650 | 900                     | 1 250 | 1 550 | 1 700 | 44            |
| 46                                                                                                             | 650                     | 900   | 1 150 | 1 300 | 650                     | 900   | 1 200 | 1 400 | 46            |
| 48                                                                                                             |                         | 600   | 850   | 950   |                         | 650   | 900   | 1 050 | 48            |
| 50                                                                                                             |                         |       |       | 650   |                         |       | 600   | 750   | 50            |

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

# Main Boom Lift Capacity Charts – 85% – Metric

| 11 793kg Counterweight – Fully Extended Outriggers – 360° Rotation<br>(All Capacities Are Listed In Kilograms) |                 |        |        |        |        |        |        |        |        |        |        |        |               |
|----------------------------------------------------------------------------------------------------------------|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|
| Radius<br>(m)                                                                                                  | Boom Length (m) |        |        |        |        |        |        |        |        |        |        |        | Radius<br>(m) |
|                                                                                                                | 12.19           | 15.2   | 18.3   | 21.3   | 24.4   | 27.4   | 30.5   | 33.5   | 36.6   | 39.6   | 42.7   | 45.72  |               |
| 3                                                                                                              | 100 000*        | 48 550 | 47 750 | 46 000 |        |        |        |        |        |        |        |        | 3             |
| 3.5                                                                                                            | 86 700          | 48 550 | 47 750 | 46 000 |        |        |        |        |        |        |        |        | 3.5           |
| 4                                                                                                              | 81 450          | 48 550 | 47 750 | 46 000 | 46 100 |        |        |        |        |        |        |        | 4             |
| 4.5                                                                                                            | 75 450          | 48 550 | 47 750 | 46 000 | 44 200 | 37 100 | 25 600 |        |        |        |        |        | 4.5           |
| 5                                                                                                              | 69 650          | 48 550 | 47 750 | 46 000 | 41 550 | 37 100 | 25 600 |        |        |        |        |        | 5             |
| 6                                                                                                              | 57 000          | 48 550 | 47 750 | 46 000 | 37 050 | 33 550 | 25 600 | 25 400 |        |        |        |        | 6             |
| 7                                                                                                              | 47 900          | 47 650 | 47 450 | 42 400 | 33 300 | 30 250 | 25 600 | 25 400 |        |        |        |        | 7             |
| 8                                                                                                              | 41 050          | 40 850 | 40 700 | 38 350 | 30 150 | 27 400 | 24 700 | 25 400 | 26 300 |        |        |        | 8             |
| 9                                                                                                              | 35 700          | 35 550 | 35 400 | 35 050 | 27 500 | 25 000 | 24 250 | 25 400 | 23 550 | 22 300 | 17 400 | 13 600 | 9             |
| 10                                                                                                             |                 | 31 300 | 31 150 | 31 050 | 25 200 | 24 650 | 24 250 | 24 750 | 21 700 | 20 550 | 17 400 | 13 600 | 10            |
| 12                                                                                                             |                 | 23 800 | 23 550 | 23 550 | 24 100 | 24 000 | 24 250 | 21 300 | 18 650 | 17 700 | 17 000 | 13 600 | 12            |
| 14                                                                                                             |                 |        | 19 050 | 19 350 | 19 550 | 18 900 | 18 800 | 18 550 | 16 250 | 15 400 | 14 850 | 13 600 | 14            |
| 16                                                                                                             |                 |        |        | 15 400 | 15 600 | 15 750 | 14 900 | 14 900 | 14 300 | 13 550 | 13 050 | 12 600 | 16            |
| 18                                                                                                             |                 |        |        | 12 500 | 12 750 | 12 900 | 12 850 | 12 050 | 12 100 | 12 000 | 11 550 | 11 150 | 18            |
| 20                                                                                                             |                 |        |        |        | 10 550 | 10 700 | 10 800 | 10 600 | 9 950  | 10 000 | 10 000 | 9 950  | 20            |
| 22                                                                                                             |                 |        |        |        |        | 9 050  | 9 150  | 9 200  | 8 300  | 8 300  | 8 350  | 8 350  | 22            |
| 24                                                                                                             |                 |        |        |        |        | 7 700  | 7 850  | 7 900  | 7 050  | 7 050  | 7 100  | 7 100  | 24            |
| 26                                                                                                             |                 |        |        |        |        |        | 6 700  | 6 850  | 5 950  | 6 000  | 6 000  | 6 000  | 26            |
| 28                                                                                                             |                 |        |        |        |        |        |        | 5 900  | 5 050  | 5 100  | 5 100  | 5 100  | 28            |
| 30                                                                                                             |                 |        |        |        |        |        |        | 5 100  | 4 300  | 4 300  | 4 300  | 4 350  | 30            |
| 32                                                                                                             |                 |        |        |        |        |        |        |        | 3 600  | 3 650  | 3 650  | 3 700  | 32            |
| 34                                                                                                             |                 |        |        |        |        |        |        |        |        | 3 050  | 3 100  | 3 100  | 34            |
| 36                                                                                                             |                 |        |        |        |        |        |        |        |        | 2 550  | 2 600  | 2 600  | 36            |
| 38                                                                                                             |                 |        |        |        |        |        |        |        |        |        | 2 150  | 2 150  | 38            |
| 40                                                                                                             |                 |        |        |        |        |        |        |        |        |        | 1 750  | 1 800  | 40            |
| 42                                                                                                             |                 |        |        |        |        |        |        |        |        |        |        | 1 450  | 42            |

\* Special conditions or optional equipment required

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

**11 793kg Counterweight — On Tires — Stationary — Boom Centered Over Rear Between Tire Tracks**  
**(All Capacities Are Listed In kilograms)**

| Radius<br>(m) | Boom Length (m) |        |        |        |        |       |       |       |       | Radius<br>(m) |
|---------------|-----------------|--------|--------|--------|--------|-------|-------|-------|-------|---------------|
|               | 12.61           | 15.2   | 18.3   | 21.3   | 24.4   | 27.4  | 30.5  | 33.5  | 37.3  |               |
| 3             | 41 050          |        |        |        |        |       |       |       |       | 3             |
| 3.5           | 37 250          | 23 550 |        |        |        |       |       |       |       | 3.5           |
| 4             | 33 850          | 23 550 |        |        |        |       |       |       |       | 4             |
| 4.5           | 30 900          | 23 550 | 14 750 |        |        |       |       |       |       | 4.5           |
| 5             | 28 350          | 23 550 | 14 750 |        |        |       |       |       |       | 5             |
| 6             | 21 800          | 22 600 | 14 750 | 12 000 |        |       |       |       |       | 6             |
| 7             | 16 700          | 17 500 | 14 750 | 12 000 |        |       |       |       |       | 7             |
| 8             | 13 250          | 14 000 | 14 500 | 12 000 |        |       |       |       |       | 8             |
| 9             | 10 650          | 11 400 | 11 900 | 12 000 | 11 300 | 8 800 | 7 150 |       |       | 9             |
| 10            |                 | 9 450  | 9 900  | 10 200 | 10 400 | 8 800 | 7 150 | 5 850 |       | 10            |
| 12            |                 | 6 650  | 7 150  | 7 450  | 7 650  | 7 800 | 7 150 | 5 850 | 4 850 | 12            |
| 14            |                 |        | 5 200  | 5 500  | 5 700  | 5 900 | 6 000 | 5 850 | 4 850 | 14            |
| 16            |                 |        |        | 4 100  | 4 350  | 4 500 | 4 600 | 4 700 | 4 750 | 16            |
| 18            |                 |        |        | 3 050  | 3 300  | 3 450 | 3 550 | 3 650 | 3 750 | 18            |
| 20            |                 |        |        |        | 2 450  | 2 600 | 2 750 | 2 800 | 2 900 | 20            |
| 22            |                 |        |        |        |        | 1 950 | 2 050 | 2 150 | 2 250 | 22            |
| 24            |                 |        |        |        |        | 1 400 | 1 500 | 1 600 | 1 700 | 24            |
| 26            |                 |        |        |        |        |       | 1 050 | 1 150 | 1 250 | 26            |
| 28            |                 |        |        |        |        |       |       | 800   | 850   | 28            |

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

| 11 793kg Counterweight — On Tires — Pick & Carry (Creep) — Boom Centered Over Rear<br>(All Capacities Are Listed In kilograms) |                 |        |        |        |        |       |       |       |       |               |
|--------------------------------------------------------------------------------------------------------------------------------|-----------------|--------|--------|--------|--------|-------|-------|-------|-------|---------------|
| Radius<br>(m)                                                                                                                  | Boom Length (m) |        |        |        |        |       |       |       |       | Radius<br>(m) |
|                                                                                                                                | 12.61           | 15.2   | 18.3   | 21.3   | 24.4   | 27.4  | 30.5  | 33.5  | 37.3  |               |
| 3                                                                                                                              | 41 050          |        |        |        |        |       |       |       |       | 3             |
| 3.5                                                                                                                            | 37 250          | 23 550 |        |        |        |       |       |       |       | 3.5           |
| 4                                                                                                                              | 33 850          | 23 550 |        |        |        |       |       |       |       | 4             |
| 4.5                                                                                                                            | 30 900          | 23 550 | 14 250 |        |        |       |       |       |       | 4.5           |
| 5                                                                                                                              | 28 350          | 23 550 | 14 250 |        |        |       |       |       |       | 5             |
| 6                                                                                                                              | 21 800          | 22 300 | 14 250 | 10 550 |        |       |       |       |       | 6             |
| 7                                                                                                                              | 16 700          | 17 200 | 14 250 | 10 550 |        |       |       |       |       | 7             |
| 8                                                                                                                              | 13 250          | 13 700 | 14 000 | 10 550 |        |       |       |       |       | 8             |
| 9                                                                                                                              | 10 650          | 11 150 | 11 400 | 10 550 | 10 600 | 8 100 | 6 350 |       |       | 9             |
| 10                                                                                                                             |                 | 9 200  | 9 450  | 9 600  | 9 700  | 8 100 | 6 350 | 5 050 |       | 10            |
| 12                                                                                                                             |                 | 6 400  | 6 700  | 6 850  | 7 000  | 7 100 | 6 350 | 5 050 | 4 000 | 12            |
| 14                                                                                                                             |                 |        | 4 800  | 4 950  | 5 100  | 5 200 | 5 250 | 5 050 | 4 000 | 14            |
| 16                                                                                                                             |                 |        |        | 3 600  | 3 700  | 3 800 | 3 900 | 3 950 | 3 950 | 16            |
| 18                                                                                                                             |                 |        |        | 2 550  | 2 700  | 2 750 | 2 850 | 2 900 | 2 950 | 18            |
| 20                                                                                                                             |                 |        |        |        | 1 850  | 1 950 | 2 000 | 2 100 | 2 100 | 20            |
| 22                                                                                                                             |                 |        |        |        |        | 1 300 | 1 350 | 1 450 | 1 450 | 22            |
| 24                                                                                                                             |                 |        |        |        |        |       |       | 900   | 950   | 24            |

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 (Metric)

| 11 793kg Counterweight — Fully Extended Outriggers — 360° Rotation<br>(All Capacities Are Listed In Kilograms) |                                                                |        |        |        |        |        |        |        |        |        |        |        |               |
|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|
| Radius<br>(m)                                                                                                  | Main Boom + 3m Manual Offset Fly (2°, 15°, 30°, & 45° Offsets) |        |        |        |        |        |        |        |        |        |        |        | Radius<br>(m) |
|                                                                                                                | Boom Length (m)                                                |        |        |        |        |        |        |        |        |        |        |        |               |
|                                                                                                                | 12.19                                                          | 15.2   | 18.3   | 21.3   | 24.4   | 27.4   | 30.5   | 33.5   | 36.6   | 39.6   | 42.7   | 45.72  |               |
| 3                                                                                                              | 23 550                                                         | 23 550 |        |        |        |        |        |        |        |        |        |        | 3             |
| 3.5                                                                                                            | 23 500                                                         | 23 500 |        |        |        |        |        |        |        |        |        |        | 3.5           |
| 4                                                                                                              | 21 900                                                         | 22 150 | 23 550 |        |        |        |        |        |        |        |        |        | 4             |
| 4.5                                                                                                            | 21 650                                                         | 21 950 | 22 150 | 23 650 | 23 600 |        |        |        |        |        |        |        | 4.5           |
| 5                                                                                                              | 21 450                                                         | 21 750 | 21 950 | 23 500 | 23 500 |        |        |        |        |        |        |        | 5             |
| 6                                                                                                              | 21 150                                                         | 21 400 | 21 600 | 21 700 | 21 650 | 21 550 |        |        |        |        |        |        | 6             |
| 7                                                                                                              | 20 950                                                         | 21 150 | 21 350 | 21 450 | 21 400 | 21 350 |        |        |        |        |        |        | 7             |
| 8                                                                                                              | 20 900                                                         | 21 000 | 21 150 | 21 200 | 21 200 | 21 150 | 21 050 | 22 750 | 23 050 |        |        |        | 8             |
| 9                                                                                                              | 20 900                                                         | 20 900 | 20 950 | 21 050 | 21 000 | 20 950 | 20 850 | 20 700 | 20 200 | 19 300 | 14 050 | 10 950 | 9             |
| 10                                                                                                             | 20 900                                                         | 20 900 | 20 850 | 20 900 | 20 850 | 20 800 | 20 700 | 20 550 | 19 650 | 18 650 | 14 050 | 10 950 | 10            |
| 12                                                                                                             | 20 900                                                         | 20 900 | 20 850 | 20 750 | 20 700 | 20 600 | 20 500 | 18 500 | 17 200 | 16 300 | 14 050 | 10 950 | 12            |
| 14                                                                                                             |                                                                | 19 150 | 19 000 | 18 950 | 18 850 | 18 800 | 18 750 | 16 600 | 15 050 | 14 250 | 13 700 | 10 950 | 14            |
| 16                                                                                                             |                                                                |        | 15 100 | 15 000 | 14 950 | 14 900 | 14 850 | 14 800 | 13 250 | 12 550 | 12 050 | 10 950 | 16            |
| 18                                                                                                             |                                                                |        | 12 250 | 12 150 | 12 100 | 12 050 | 12 000 | 12 000 | 11 700 | 11 100 | 10 650 | 10 250 | 18            |
| 20                                                                                                             |                                                                |        |        | 10 050 | 10 000 | 9 950  | 9 900  | 9 850  | 9 800  | 9 800  | 9 450  | 9 100  | 20            |
| 22                                                                                                             |                                                                |        |        |        | 8 350  | 8 300  | 8 250  | 8 200  | 8 150  | 8 150  | 8 100  | 8 050  | 22            |
| 24                                                                                                             |                                                                |        |        |        | 7 050  | 7 000  | 6 950  | 6 950  | 6 900  | 6 900  | 6 850  | 6 850  | 24            |
| 26                                                                                                             |                                                                |        |        |        |        | 5 950  | 5 900  | 5 850  | 5 850  | 5 800  | 5 800  | 5 750  | 26            |
| 28                                                                                                             |                                                                |        |        |        |        |        | 5 000  | 4 950  | 4 950  | 4 900  | 4 900  | 4 850  | 28            |
| 30                                                                                                             |                                                                |        |        |        |        |        | 4 250  | 4 200  | 4 150  | 4 150  | 4 100  | 4 100  | 30            |
| 32                                                                                                             |                                                                |        |        |        |        |        |        | 3 550  | 3 500  | 3 500  | 3 450  | 3 450  | 32            |
| 34                                                                                                             |                                                                |        |        |        |        |        |        |        | 2 950  | 2 950  | 2 900  | 2 900  | 34            |
| 36                                                                                                             |                                                                |        |        |        |        |        |        |        | 2 500  | 2 450  | 2 400  | 2 400  | 36            |
| 38                                                                                                             |                                                                |        |        |        |        |        |        |        |        | 2 000  | 2 000  | 1 950  | 38            |
| 40                                                                                                             |                                                                |        |        |        |        |        |        |        |        | 1 650  | 1 600  | 1 550  | 40            |
| 42                                                                                                             |                                                                |        |        |        |        |        |        |        |        |        | 1 250  | 1 250  | 42            |

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

| 11 793kg Counterweight – Fully Extended Outriggers – 360° Rotation<br>(All Capacities Are Listed In Kilograms) |                        |       |       |       |                         |       |       |       |               |
|----------------------------------------------------------------------------------------------------------------|------------------------|-------|-------|-------|-------------------------|-------|-------|-------|---------------|
| Radius<br>(m)                                                                                                  | 45.7m Main Boom Length |       |       |       |                         |       |       |       | Radius<br>(m) |
|                                                                                                                | 9.4m Manual Offset Fly |       |       |       | 16.8m Manual Offset Fly |       |       |       |               |
|                                                                                                                | 2°                     | 15°   | 30°   | 45°   | 2°                      | 15°   | 30°   | 45°   |               |
| 10                                                                                                             | 7 300                  |       |       |       |                         |       |       |       | 10            |
| 12                                                                                                             | 7 300                  |       |       |       |                         |       |       |       | 12            |
| 14                                                                                                             | 7 300                  | 7 350 |       |       | 4 750                   |       |       |       | 14            |
| 16                                                                                                             | 7 300                  | 7 350 |       |       | 4 650                   |       |       |       | 16            |
| 18                                                                                                             | 7 300                  | 7 250 | 6 550 |       | 4 550                   | 4 000 |       |       | 18            |
| 20                                                                                                             | 7 300                  | 7 100 | 6 450 | 6 050 | 4 400                   | 3 900 |       |       | 20            |
| 22                                                                                                             | 7 300                  | 6 950 | 6 350 | 6 000 | 4 300                   | 3 850 | 3 400 |       | 22            |
| 24                                                                                                             | 6 950                  | 6 800 | 6 250 | 5 950 | 4 200                   | 3 750 | 3 350 |       | 24            |
| 26                                                                                                             | 6 100                  | 6 450 | 6 200 | 5 900 | 4 100                   | 3 650 | 3 300 | 3 100 | 26            |
| 28                                                                                                             | 5 200                  | 5 550 | 5 850 | 5 900 | 4 000                   | 3 600 | 3 250 | 3 050 | 28            |
| 30                                                                                                             | 4 400                  | 4 700 | 5 000 | 5 200 | 3 900                   | 3 500 | 3 200 | 3 000 | 30            |
| 32                                                                                                             | 3 750                  | 4 000 | 4 250 | 4 450 | 3 800                   | 3 450 | 3 150 | 3 000 | 32            |
| 34                                                                                                             | 3 200                  | 3 400 | 3 650 | 3 750 | 3 600                   | 3 350 | 3 100 | 3 000 | 34            |
| 36                                                                                                             | 2 650                  | 2 900 | 3 050 | 3 200 | 3 050                   | 3 300 | 3 100 | 2 950 | 36            |
| 38                                                                                                             | 2 250                  | 2 400 | 2 550 | 2 650 | 2 600                   | 2 950 | 3 050 | 2 950 | 38            |
| 40                                                                                                             | 1 850                  | 2 000 | 2 150 | 2 200 | 2 200                   | 2 500 | 2 800 | 2 950 | 40            |
| 42                                                                                                             | 1 500                  | 1 650 | 1 750 | 1 800 | 1 850                   | 2 150 | 2 400 | 2 550 | 42            |
| 44                                                                                                             | 1 150                  | 1 300 | 1 400 |       | 1 550                   | 1 800 | 2 000 | 2 150 | 44            |
| 46                                                                                                             | 900                    | 1 000 | 1 050 |       | 1 250                   | 1 450 | 1 650 | 1 750 | 46            |
| 48                                                                                                             | 650                    | 700   | 750   |       | 950                     | 1 150 | 1 350 | 1 400 | 48            |
| 50                                                                                                             |                        |       |       |       | 750                     | 900   | 1 050 | 1 100 | 50            |
| 52                                                                                                             |                        |       |       |       |                         | 650   | 750   |       | 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.

| 11 793kg Counterweight – Fully Extended Outriggers – 360° Rotation<br>(All Capacities Are Listed In Kilograms) |                         |       |       |       |                         |       |       |       |               |
|----------------------------------------------------------------------------------------------------------------|-------------------------|-------|-------|-------|-------------------------|-------|-------|-------|---------------|
| Radius<br>(m)                                                                                                  | 45.7m Main Boom Length  |       |       |       |                         |       |       |       | Radius<br>(m) |
|                                                                                                                | 22.3m Manual Offset Fly |       |       |       | 27.7m Manual Offset Fly |       |       |       |               |
|                                                                                                                | 2°                      | 15°   | 30°   | 45°   | 2°                      | 15°   | 30°   | 45°   |               |
| 14                                                                                                             | 3 900                   |       |       |       |                         |       |       |       | 14            |
| 16                                                                                                             | 3 850                   |       |       |       |                         |       |       |       | 16            |
| 18                                                                                                             | 3 800                   |       |       |       | 2 900                   |       |       |       | 18            |
| 20                                                                                                             | 3 750                   | 3 400 |       |       | 2 900                   |       |       |       | 20            |
| 22                                                                                                             | 3 700                   | 3 350 |       |       | 2 900                   | 2 800 |       |       | 22            |
| 24                                                                                                             | 3 650                   | 3 300 | 3 050 |       | 2 900                   | 2 750 |       |       | 24            |
| 26                                                                                                             | 3 600                   | 3 250 | 3 000 |       | 2 900                   | 2 750 | 2 550 |       | 26            |
| 28                                                                                                             | 3 550                   | 3 200 | 2 950 | 2 800 | 2 900                   | 2 700 | 2 500 |       | 28            |
| 30                                                                                                             | 3 500                   | 3 200 | 2 950 | 2 800 | 2 900                   | 2 700 | 2 500 | 2 300 | 30            |
| 32                                                                                                             | 3 450                   | 3 150 | 2 900 | 2 700 | 2 900                   | 2 650 | 2 400 | 2 200 | 32            |
| 34                                                                                                             | 3 400                   | 3 100 | 2 850 | 2 650 | 2 850                   | 2 550 | 2 250 | 2 100 | 34            |
| 36                                                                                                             | 3 000                   | 3 050 | 2 800 | 2 550 | 2 700                   | 2 400 | 2 150 | 2 000 | 36            |
| 38                                                                                                             | 2 550                   | 2 900 | 2 700 | 2 500 | 2 550                   | 2 250 | 2 050 | 1 900 | 38            |
| 40                                                                                                             | 2 150                   | 2 450 | 2 600 | 2 400 | 2 150                   | 2 150 | 1 950 | 1 850 | 40            |
| 42                                                                                                             | 1 750                   | 2 100 | 2 400 | 2 350 | 1 800                   | 2 050 | 1 850 | 1 750 | 42            |
| 44                                                                                                             | 1 450                   | 1 750 | 2 000 | 2 200 | 1 450                   | 1 750 | 1 800 | 1 700 | 44            |
| 46                                                                                                             | 1 150                   | 1 400 | 1 650 | 1 800 | 1 150                   | 1 450 | 1 700 | 1 650 | 46            |
| 48                                                                                                             | 900                     | 1 100 | 1 350 | 1 450 | 900                     | 1 150 | 1 400 | 1 550 | 48            |
| 50                                                                                                             | 650                     | 850   | 1 050 | 1 150 | 650                     | 850   | 1 100 | 1 200 | 50            |
| 52                                                                                                             |                         | 600   | 750   | 850   |                         | 600   | 800   | 950   | 52            |
| 54                                                                                                             |                         |       |       |       |                         |       |       | 650   | 54            |

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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