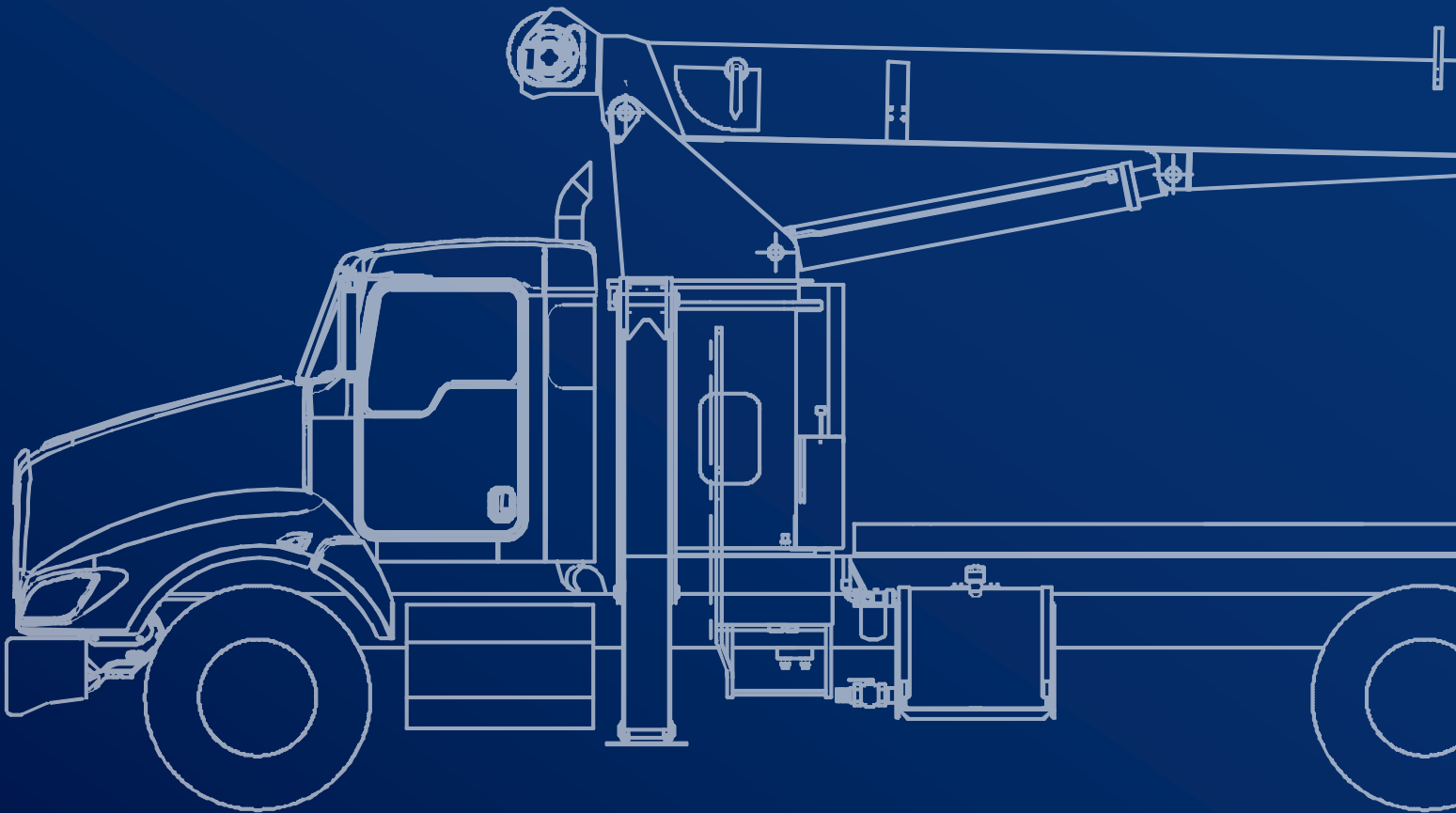


# CM 260

## PRODUCT GUIDE

26 TON (23.6 MT) TELESCOPIC CRANE

***Manitex***





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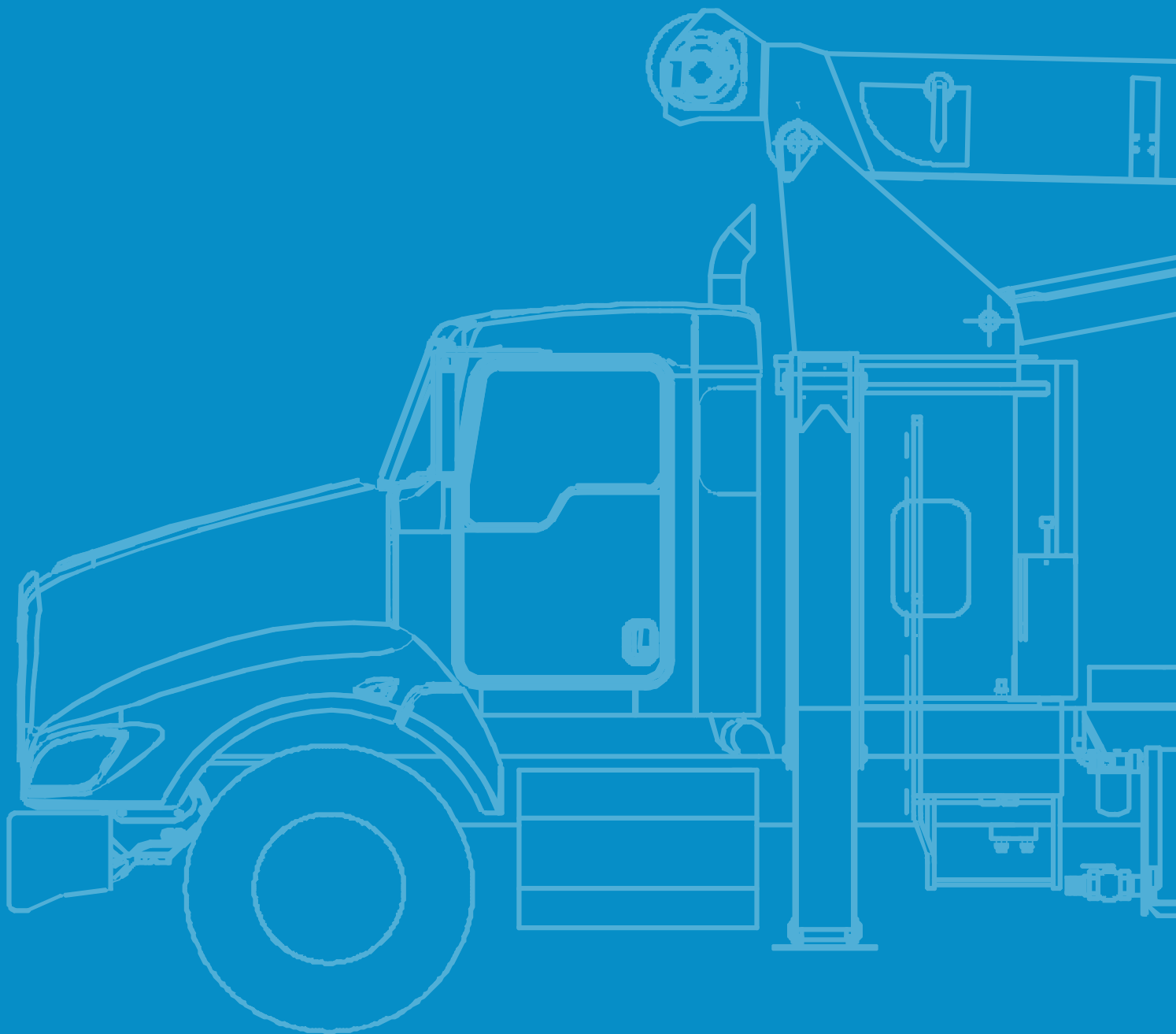
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# Key

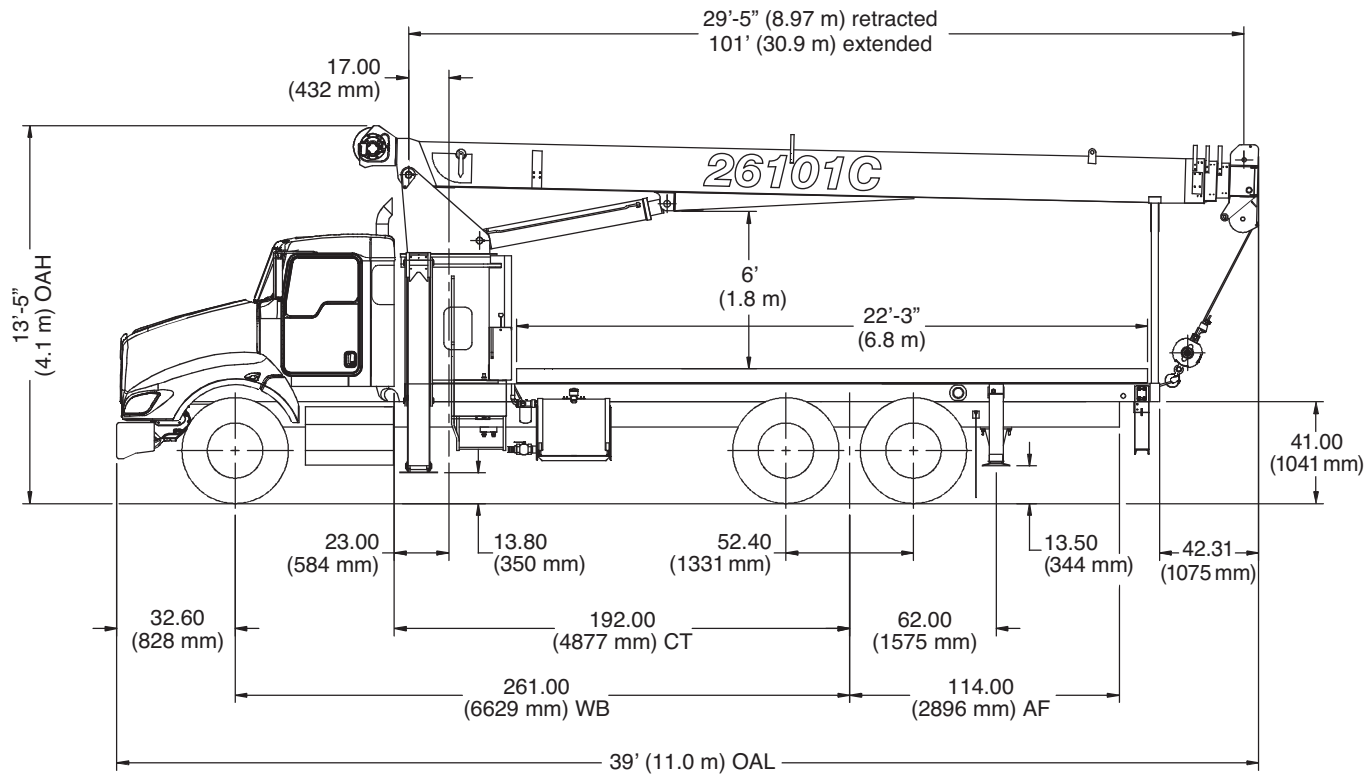
|   |                                      |   |                                       |
|---|--------------------------------------|---|---------------------------------------|
|    | Operator aids                        |    | Radio remote control                  |
|    | Cab                                  |    | Hook block                            |
|    | Heating / Air conditioning           |    | Distance from hook to head sheave pin |
|    | Controls                             |    | Hook and ball                         |
|    | Hoist speed                          |    | Hydraulics                            |
|    | 1 - Main hoist<br>3 - Recovery winch |    | Boom elevation angle                  |
|    | Rope length                          |    | Max. boom length with extension       |
|  | Rope – Standard / optional           |   | Boom with extension retracted         |
|  | Rope diameter                        |  | Boom angle                            |
|  | Permissible line pull                |  | Telescoping mode                      |
|  | Maximum line pull                    |  | Working radius                        |
|  | Slewing / Allowable slewing range    |  | Boom length                           |
|  | Slewing gears                        |  | Hydraulic actuated boom               |
|  | Slewing brake                        |  | Full power mechanical synchronized    |
|  | A-Frame outriggers                   |  | Boom head / Hook block dimension      |
|  | 2-person man basket                  |  | Main boom with auxiliary head         |
|  | Counterweight                        |  | Tip height                            |

**CM 260**



# Chassis Data

## Dimensions



## Chassis Data

| Model  | 26101C  |
|--|---|
| Wheelbase (WB)                                       | 261 in. (6,629 mm)                                |
| Cab to tandem (CT)                                   | 192 in. (4,877 mm)                                |
| After frame (AF)                                     | 114 in. (2,896 mm)                                |
| Frame section modulus at 180° / 360° rotation (min.) | 15.9 in <sup>3</sup><br>110,000 psi · 758,422 kPa |

## Crane Weight

| Model                   | 26101C                |
|-------------------------|-----------------------|
| Basic crane weight      | 18,970 lbs (8,605 kg) |
| Fixed jib 29 ft (8.8 m) | 630 lbs (286 kg)      |
| Flatbed 22 ft (6.7 m)   | 2,000 lbs (907 kg)    |

Flatbed weight not included in crane weight

## Truck Axle Weight

|                                    |                        |
|------------------------------------|------------------------|
| Min. truck axle weight – Front*    | 8,000 lbs (3,629 kg)   |
| Min. truck axle weight – Rear*     | 8,000 lbs (3,629 kg)   |
| Nominal frame width                | 34-35 in. (864-889 mm) |
| Front axle gross weight rating     | 16,000 lbs (7,257 kg)  |
| Min. rear axle gross weight rating | 40,000 lbs (18,140 kg) |

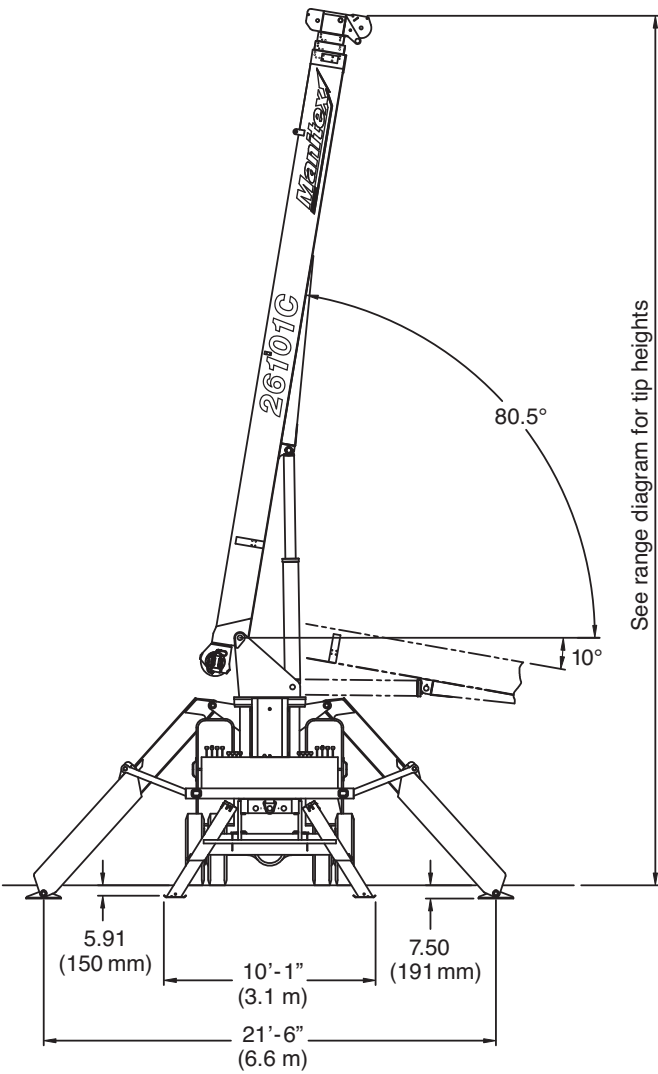
\* Minimum chassis weight is required to meet 85% stability requirements.  
Chassis data is general – not for engineering. Some dimensions depend on truck selection.

## Notes:

The addition of a front stabilizer is highly recommended and may be required on some installations – consult Manitex.

Data published herein is intended as a guide only. Crane operation is subject to machine specific load charts and information.

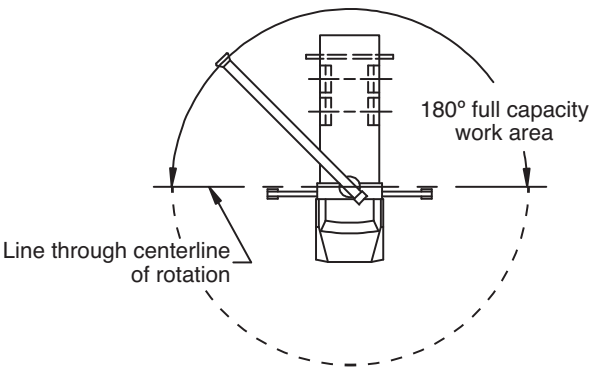
# Outrigger Extension



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# Area of Operation

Area of Operation



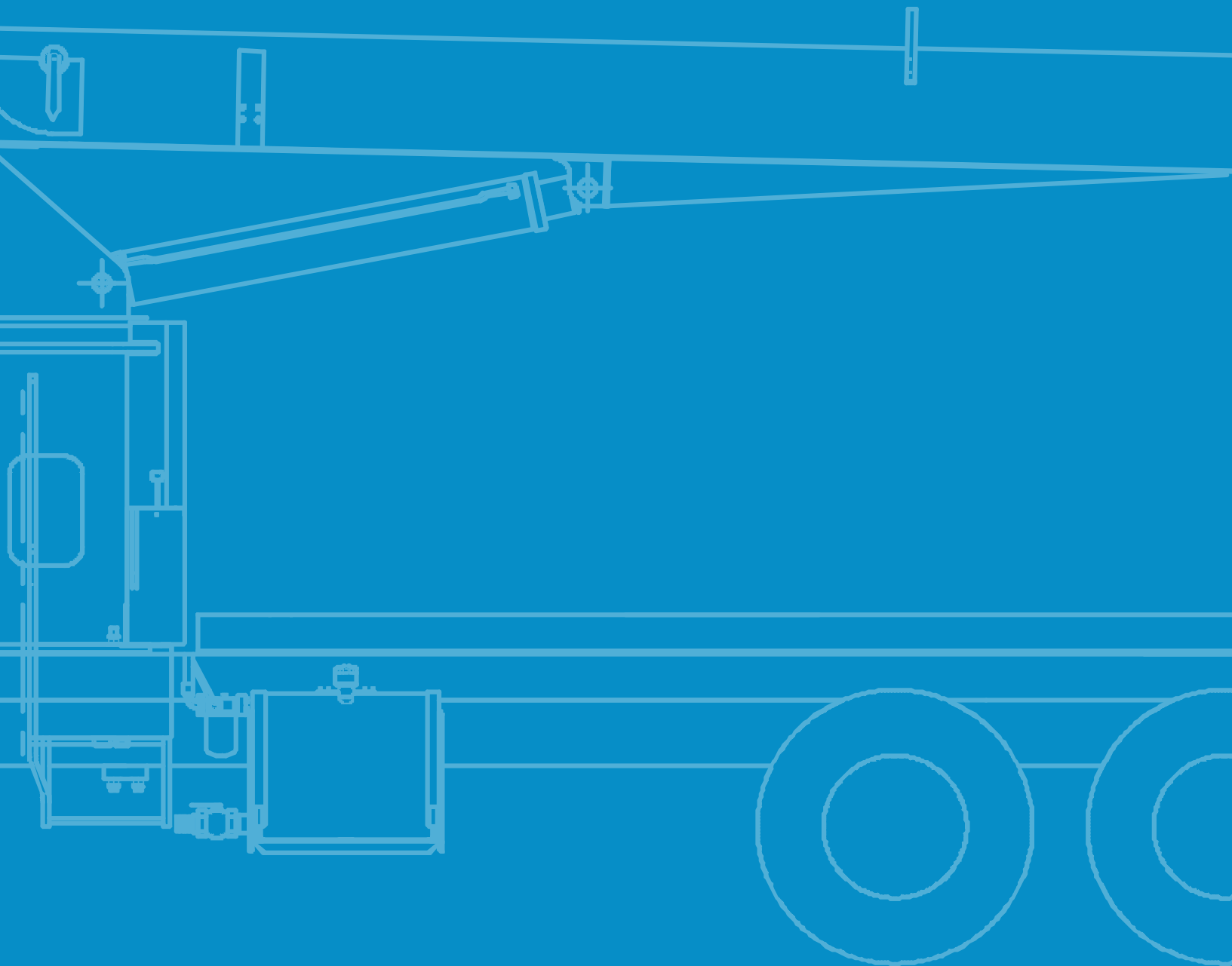
## Deductions from rated loads for load handling devices supplied by Manitex

|                  |                                   |
|------------------|-----------------------------------|
| Auxiliary block  | 50 lbs (22.7 kg)                  |
| Auxiliary sheave | 50 lbs (22.7 kg)                  |
| Overhaul ball    | See overhaul ball mfgr. nameplate |
| Load blocks      | See block mfgr. nameplate         |
| Hose reel        | 140 lbs (63.5 kg)                 |
| Swing-around jib | See load chart                    |

**WARNING:** Lifting off the main boom point while the jib is erected is not intended nor approved.











CM 260



# Load Chart

# Main Boom Jib

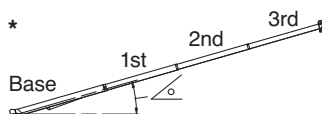
|  29.4 ft – 101.4 ft – 4 section<br>Jib 29.4 ft |    |        |   |        |   |  372° non-continuous |   |       |  |       |           |  21.3 ft (6.5 m) |       |  |
|---|----|--------|---|--------|---|---|---|-------|--|-------|-----------|---|-------|--|
|  29.4 ft                                       |    |        |  53 ft (A) |        |  69 ft (B) |   |  85 ft (C) |       |  101.4 ft (D) |       | Fixed Jib |   |       |  |
| ft  | °  | lbs    | °   | lbs    | °   | lbs   | °   | lbs   | °  | lbs   | ft        | °   | lbs   |  |
| 5   | 80 | 52,000 | -   | -      | -   | -   | -   | -     | -  | -     | 5         | -   | -     |  |
| 8   | 74 | 37,390 | -   | -      | -   | -   | -   | -     | -  | -     | 8         | -   | -     |  |
| 10  | 70 | 31,750 | -   | -      | -   | -   | -   | -     | -  | -     | 10        | -   | -     |  |
| 12  | 66 | 27,740 | 78  | 14,000 | -   | -   | -   | -     | -  | -     | 12        | -   | -     |  |
| 14  | 61 | 24,720 | 76  | 14,000 | 80  | 14,000  | -   | -     | -  | -     | 14        | -   | -     |  |
| 17  | 54 | 21,200 | 72  | 14,000 | 78  | 12,880  | -   | -     | -  | -     | 17        | -   | -     |  |
| 20  | 46 | 18,030 | 69  | 13,700 | 75  | 11,430  | 79  | 8,920 | -  | -     | 20        | -   | -     |  |
| 25  | 29 | 14,120 | 63  | 11,070 | 71  | 9,460   | 75  | 8,000 | 79   | 6,000 | 25        | -   | -     |  |
| 30  | -  | -      | 56  | 9,170  | 66  | 8,210   | 72  | 7,070 | 76   | 5,500 | 30        | 80  | 3,000 |  |
| 35  | -  | -      | 49  | 7,850  | 61  | 6,970   | 68  | 6,130 | 73   | 4,980 | 35        | 78  | 2,840 |  |
| 40  | -  | -      | 41  | 6,120  | 56  | 5,980   | 65  | 5,320 | 70   | 4,490 | 40        | 76  | 2,620 |  |
| 45  | -  | -      | 31  | 4,890  | 51  | 5,020   | 61  | 4,640 | 67   | 4,000 | 45        | 73  | 2,420 |  |
| 50  | -  | -      | 17  | 3,950  | 45  | 4,090   | 57  | 4,070 | 64   | 3,580 | 50        | 71  | 2,230 |  |
| 55  | -  | -      | -   | -      | 38  | 3,370   | 52  | 3,440 | 61   | 3,200 | 55        | 69  | 2,020 |  |
| 60  | -  | -      | -   | -      | 30  | 2,790   | 47  | 2,860 | 57   | 2,850 | 60        | 67  | 1,840 |  |
| 65  | -  | -      | -   | -      | 19  | 2,310   | 42  | 2,390 | 54   | 2,430 | 65        | 64  | 1,670 |  |
| 70  | -  | -      | -   | -      | -   | -   | 36  | 1,990 | 50   | 2,040 | 70        | 62  | 1,520 |  |
| 75  | -  | -      | -   | -      | -   | -   | 29  | 1,650 | 45   | 1,700 | 75        | 59  | 1,380 |  |
| 80  | -  | -      | -   | -      | -   | -   | 20  | 1,360 | 41   | 1,420 | 80        | 56  | 1,230 |  |
| 85  | -  | -      | -   | -      | -   | -   | -   | -     | 36   | 1,160 | 85        | 53  | 1,080 |  |
| 90  | -  | -      | -   | -      | -   | -   | -   | -     | 30   | 950   | 90        | 50  | 950   |  |
| 95  | -  | -      | -   | -      | -   | -   | -   | -     | 22   | 750   | 95        | 47  | 830   |  |
| 100   | -  | -      | -   | -      | -   | -   | -   | -     | 3  | 570   | 100       | 44  | 690   |  |
| 105   | -  | -      | -   | -      | -   | -   | -   | -     | -  | -     | 105       | 40  | 530   |  |

## Deductions from main boom capacities for stowed jibs

| SFJ | 340 lbs | 190 lbs | 150 lbs | 120 lbs | 100 lbs |
|-----|---------|---------|---------|---------|---------|
|-----|---------|---------|---------|---------|---------|

SFJ = Stowed fixed jib

|   |            |
|---|------------|
| ↑ | Structural |
| ↓ | Stability  |



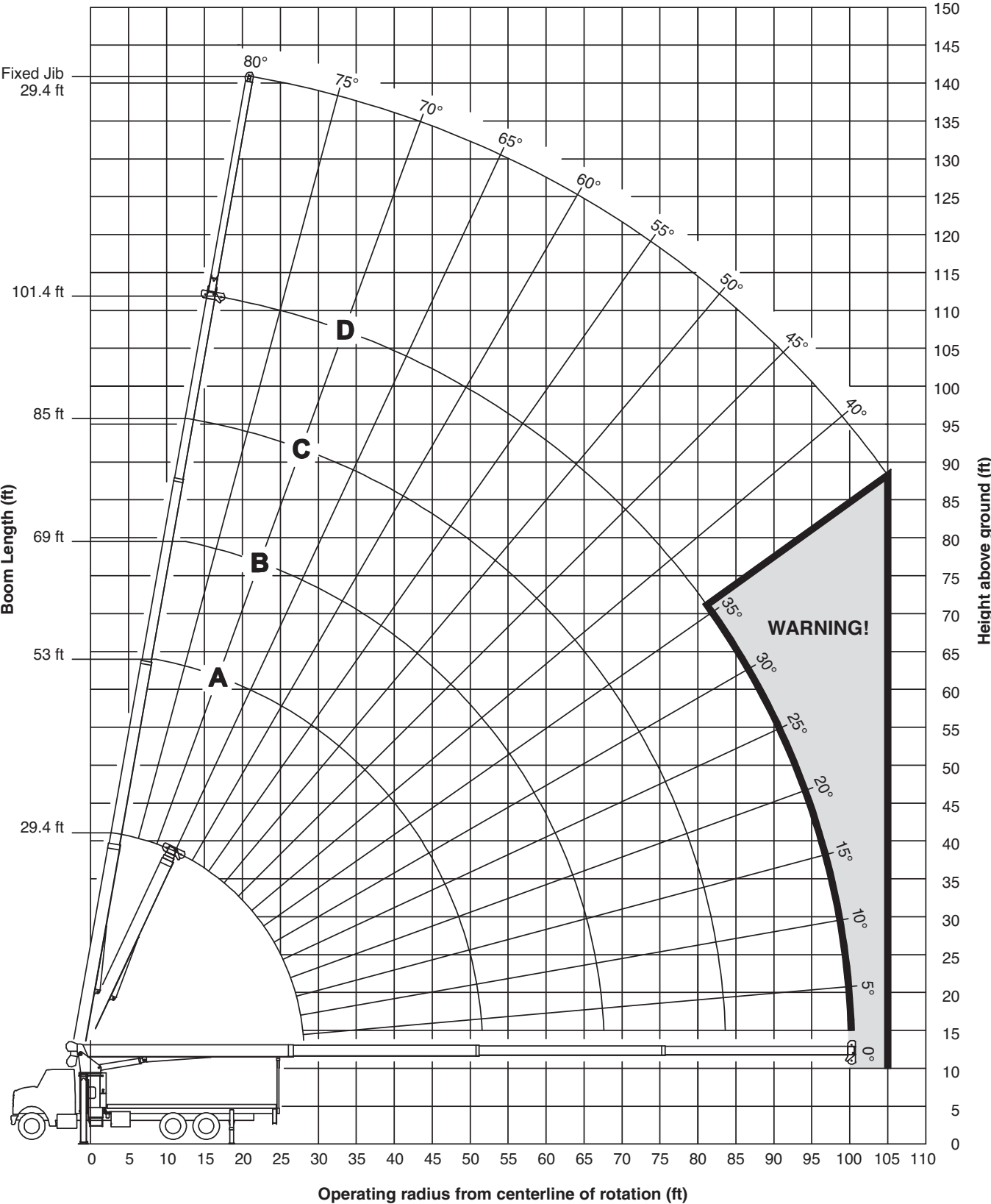
### NOTES:

Loads based on crane on fully extended outriggers  
 All "on outriggers" loads are based on 85% tipping  
 Loads above heavy line are based on structural rating  
 Loads below heavy line are based on stability rating

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# Boom Diagram

# Main Boom Jib



Data published herein is intended as a guide only. Crane operation is subject to machine specific load charts and information.

# LMI Operating Codes · Reeving Diagram

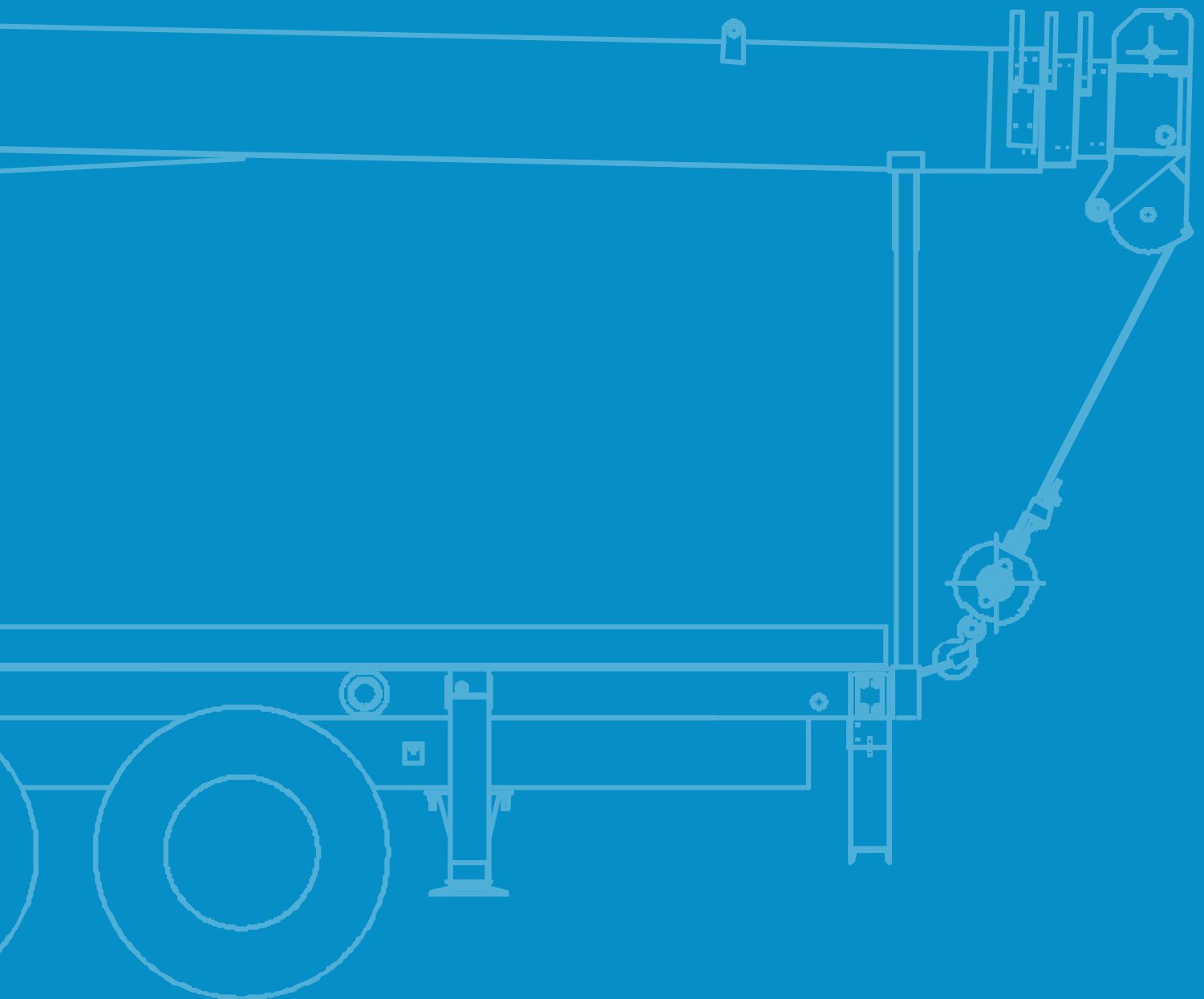
| LMI Operating Codes |   |                         |                     |
|---------------------|---|-------------------------|---------------------|
| Code                | Crane Configuration                     | Outrigger Configuration | Area of Operation   |
| 1                   | Main boom                               | Fully extended          | 372° non-continuous |
| 2                   | Fixed jib                               | Fully extended          | 372° non-continuous |
| 5                   | Personnel lifting platform on main boom | Fully extended          | 372° non-continuous |
| 6                   | Personnel lifting platform on fixed jib | Fully extended          | 372° non-continuous |

**WARNING:** Lifting personnel from extended jib is not approved.

| Reeving Diagram  |             |             |             |             |             |             | <div>WARNING</div> <div>Anti-Two-Block System must be in good operating condition before operating crane.</div> <div>Refer to the owner's manual.</div> <div>Keep at least 3 wraps of load line on the drum at all times.</div> |
|--|-------------|-------------|-------------|-------------|-------------|-------------|---|
| Allowable Line Pull  |             |             |             |             |             |             |   |
| 1 part line  | 2 part line | 3 part line | 4 part line | 5 part line | 6 part line | 7 part line |   |
|  |             |             |             |             |             |             |   |
| 8,500 lbs  | 17,000 lbs  | 25,500 lbs  | 34,000 lbs  | 42,500 lbs  | 51,000 lbs  | 52,000 lbs  |   |
| 7,400 lbs  | 14,800 lbs  | 22,200 lbs  | 29,600 lbs  | 37,000 lbs  | 44,400 lbs  | 51,800 lbs  |   |
| 9/16" 6 x 25 IWRC (3.5 : 1 SF) 29,750 lbs min. breaking strength   |             |             |             |             |             |             |   |
| 9/16" rot resistant (5.0 : 1 SF) 37,000 lbs min. breaking strength |             |             |             |             |             |             |   |

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CM 260



# Technical Description

## Boom



Boom length: 4-section 101 ft (30.8 m) proportional boom  
2-sheave quick reeve boom point



Boom max. tip height: 112 ft (34.3 m)  
Boom retracted tip height: 29.4 ft (9.0 m)



Boom angle indicator (min./max.):  
-10° / 80°

## Rotation



Oversized diameter ball bearing swing circle  
with external gear



Slewing brake:  
Wet, multi-disc internal brake, spring applied, hydraulic pressure released



Boom rotation: 372° non-continuous  
Slewing speed: 1.5 - 2 rpm (nominal)

## Outriggers



Outriggers: A-frame

Front

- A-frame, to outer edge of pad: 21.3 ft (6.5 m)

Rear

- A-frame, to outer edge of pad: 10.1 ft (3.1 m)

Stowed

- A-frame, to outer edge of pad: 8 ft (2.4 m)

Outrigger motion alarm

## Hoist, Rope and Hook



Maximum theoretical line speed:  
300 fpm (91 mpm)



Maximum theoretical bottom-layer line pull:  
11,500 lbs (5,216 kg)



Main winch cable diameter: 0.5625 in. (14.3 mm)  
6 x 25 EIPS IWRC



Line length:  
300 ft (91.4 m)



Main winch:  
Gear motor



Load ball:  
5 t (4.5 mt) capacity hook with heavy-duty swivel and weight is provided for single line operation

# Technical Description

## Hydraulics



6-8 bolt direct mounted PTO and SAE B or output or SAE BB output  
3-section gear pump, SAE BB input (standard)  
Counter clockwise rotation  
Hydraulic reservoir capacity: 70 gallons (265 l)  
Pump sections @ 2000 rpm with 100 psi

- Shaft end pump: 32.4 gpm (123 lpm)
- Center pump: 20.6 gpm (78 lpm)
- Cover end pump: 10 gpm (38 lpm)

## Operator Aids



LMI with crane function cut-offs for overload protection  
Graphical display  
Anti-two block system – Radio with lockout  
Outrigger motion alarm  
Bubble level  
2 speed winch  
Verification indicator



Boom angle indicator (min./max.):  
-10° / 80°

## Control System



Dual operating stations are equipped with four single-lever crane controls arranged in accordance with ANSI B30.5 standards.  
Fully proportional control valves  
Each station includes:

- Individual control levers for each outrigger and stabilizer
- Engine start and stop
- Electronic foot throttle
- Signal horn
- Boom angle indicator
- Beverage holder
- Load chart with range diagram and mount for removable LMI display
- System pressure gauge

## Electrical System

State-of-the-art, weather-resistant components throughout  
Weather resistant sealed enclosure includes power in relays and circuit status LEDs

## Mounting System

Pedestal sub-frame and stabilizers are mounted to chassis by threaded rods and clamp plates  
Sub-frame: Torsion resistant, rigid 4-plate design mounted under crane full length of truck frame  
Rear under-ride protection: Standard on factory mounted cranes  
Boom rest: Heavy-duty fabrication, easily removed for unencumbered loading and unloading of crane deck

# Technical Description – Options

## Tool Boxes and Bulkhead

### Tool Boxes

- 24 in. L x 20 in. W x 18 in. H ( 610 mm L x 508 mm W x 457 mm H) – Steel
- 48 in. L x 24 in. W x 24 in. H (1,219 mm L x 610 mm W x 610 mm H) – Aluminium

### Bulkhead:

- 24 in. (610 mm)

## Jib



1-section fixed jib:  
29 ft (8.8 m)



Max. boom tip height with optional jib:  
141.9 ft (43.25 m) from ground  
Max. boom tip height with extension retracted:  
112 ft (34.1 m) from ground

## Hoist, Rope and Hook



### Load block:

- 1-sheave
- 3-sheave
- 0.5625 in. (14.3 mm) rotation resistant rope



# Technical Description – Options

## Hydraulics



3-section vane pump, SAE B input  
Hydraulic oil cooler  
Hose reel – boom mounted  
FBS – Front Bumper Stabilizer

## 2-Person Basket



2-person man basket – Aluminum or steel – consult Manitex  
• Non-rotating (600 lbs capacity)  
• Rotating (up to 1,000 lbs capacity)

## Radio Remote



4-function radio remote crane control system  
• 900 Mhz

## Bed Options

22 ft (6.7 m) Wood or steel  
22 ft (6.7 m) Steel heavy hauler

## Notes

## Notes

[www.tadano.com](http://www.tadano.com)  
[www.manitex.com](http://www.manitex.com)

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