



50155SHL

STANDARD COMPONENTS INCLUDE:

Boom, boom rest, boom hoist cylinder, 2-speed winch, load line and 5 ton (4,5 mt) overhaul ball, turret with 6,400 lb (2,903 kg) counterweight, ride-around operator control station with enclosed cab, cab heater, wired LMI and ATB protection systems, sub-frame with integrated radio remote controlled outriggers, single front stabilizer, aluminum deck with fixed access ladders, removable aluminum ladder, 3-section pump, hydraulic reservoir and oil cooler.

HYDRAULICS

- 8-Bolt direct mounted PTO with SAE C output (factory mounted units only)
- Three section vane pump, SAE C input

Pump Section	2000 RPM	2000 RPM
Shaft End Pump:	41.67 GPM @ 100 PSI	158 LPM @ 100 PSI
Center Pump:	35 GPM @ 100 PSI	133 LPM @ 100 PSI
Cover End Pump:	11.67 GPM @ 100 PSI	44 LPM @ 100 PSI

- Hydraulic reservoir - 150 gallon (568 liter) capacity

OPTIONS

- Three-section gear pump, SAE C input (option)
- 39' [11,9 m] 1 - Section Fixed Jib; 0°, 15 °, 30 ° offset positions
- Auxiliary winch same as main, includes rooster sheave
- Auxiliary lower sheave block for 9 to 10 part line
- 3rd Wrap limiter, main and auxiliary winch
- Load block - 1, 3, 4 and 5 sheave options
- Cab air conditioner (hydraulic)

BOOM

- 50 Ton (45,4 mt) capacity @ 6' (1,8 m) radius
- 5-Section 155' (47,2 m) proportional boom
- 6-Sheave quick reeve boom point

HOIST

- Maximum theoretical line speed 453 fpm (138 mpm)
- Maximum theoretical bottom-layer line pull 13,396 lb (6,076 kg)
- Wire Rope – 500' (122 m), 5/8" (15,9 mm) diameter rotation resistant, Flex X-35

WARNING SYSTEMS

- Wired LMI with crane function shut-offs for overload protection
- Graphical display
- Event recorder
- WADS - Work Area Definition System
- Wired anti-two block system

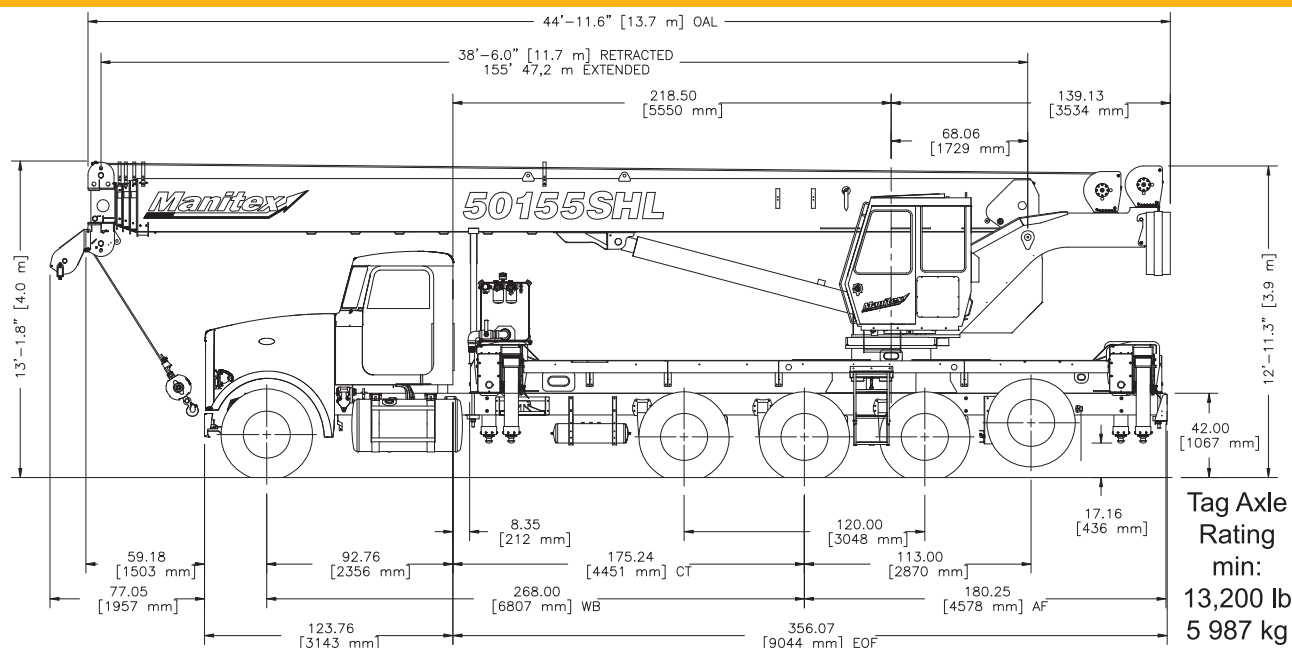
In order to ensure continuous improvement, Manitex reserves the right to change design and specifications without notice.

- Toolboxes
 - 24" L x 20" W x 18" H (610 mm x 508 mm x 457 mm)
 - 48" L x 18" W x 18" H (1220 mm x 457 mm x 457 mm)
- 2-Person gravity leveled non-rotating basket - 600 lb (272 kg) capacity
- 2-Person gravity leveled rotating (manual) basket – 1,200 lb (544 kg) capacity
- 2-Person gravity leveled rotating (manual) quick attach basket – 1,200 lb (544 kg) capacity
- 4-Function radio remote crane control system 900 MHz
- 4-Function radio remote crane control system 433 MHz

Notes:

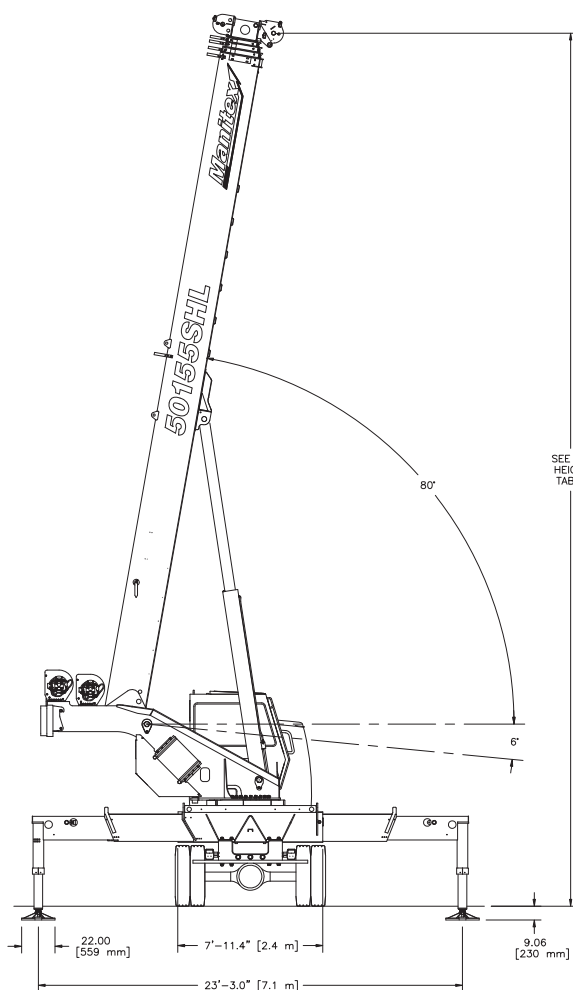
Crane configured with long subframe. Not bridge legal without permits - Consult Manitex

Manitex highly recommends addition of a front stabilizer and may be required on some installations - Consult Manitex

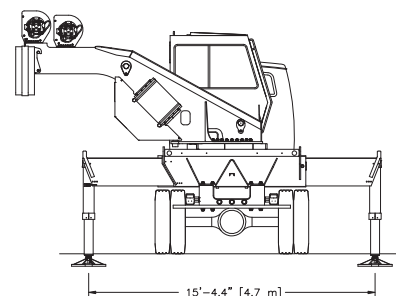


Tag Axle Rating
min:
13,200 lb
5 987 kg

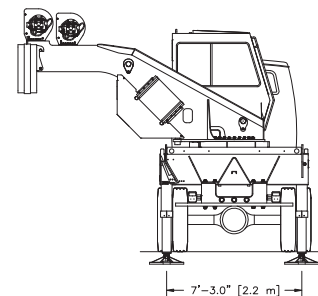
CHASSIS DATA	50155SHL
Wheelbase (WB)	268" 6 807 mm
Cab to Tandem (CT)	175" 4 445 mm
Cab to End of Frame (EOF)	370" 9 398 mm
Frame Section Modulus	27.0 in ³ (442.5 cm ³) 110,000 psi 758 423 kPa
Front Axle Gross Weight Rating	20,000 lb 9 071 kg
Rear Axle Gross Weight Rating	58,000 lb 26 308 kg
Truck Axle Weight - Front*	9,500 lb 4 309 kg
Truck Axle Weight - Back*	13,400 lb 6 078 kg
Nominal Frame Width	34" 864 mm
Chassis data depict typical requirements only, not for engineering. Consult Manitex for a chassis evaluation & approval prior to ordering your truck for your specific application. *Minimum chassis weight is required to meet 85% stability requirements.	
WEIGHTS	50155SHL
Crane (Includes Cab and Platforms)	48,600 lb 22 044 kg
Cab	575 lb 261 kg
Aluminum Platforms	620 lb 295 kg
Fixed Jib 39' (11.9 m)	1,510 lb 685 kg
MAXIMUM TIP HEIGHT (A)	50155SHL
Configuration	Boom 155' 47.2 m
Extended Boom	163'-2" 49.7 m
Fixed Jib	202'-4" 61.7 m



FULL SPREAD



INTERMEDIATE SPREAD



RETRACTED SPREAD