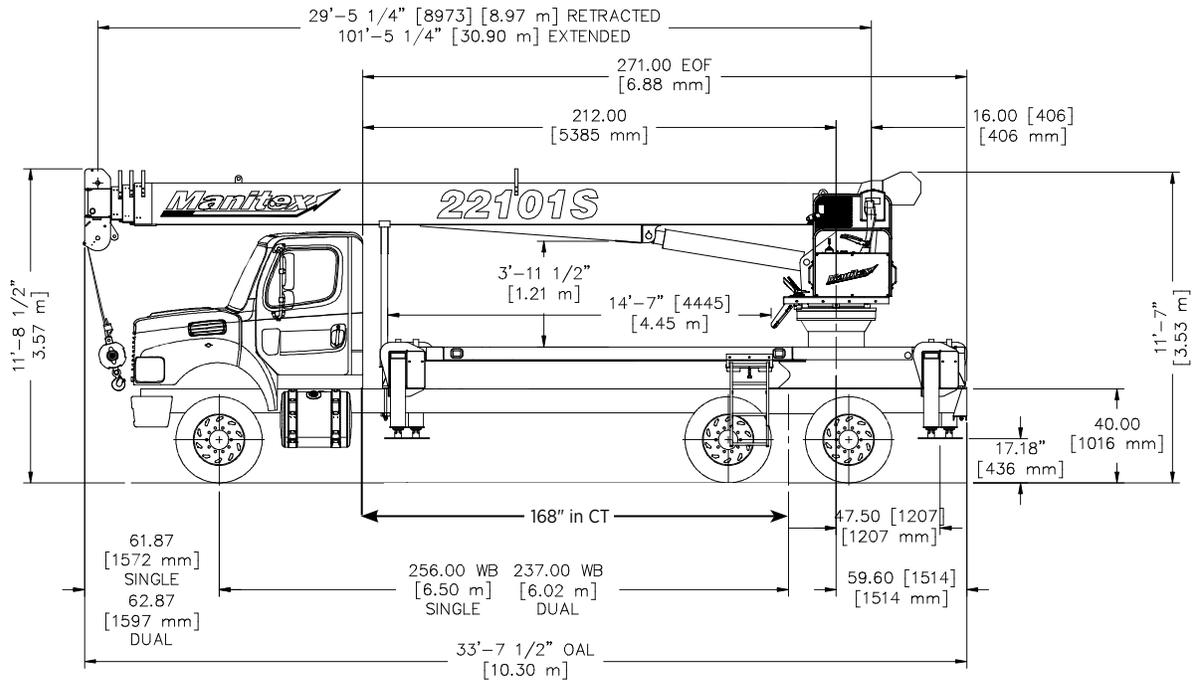


TC220 SERIES CHASSIS DATA



CHASSIS DATA

S Models	22101S Single Axle	22101S Tandem Axle
Wheel Base (WB)	256 in. (6,502 mm)	237 in. (6,020 mm)
Cab to Axle (CA)	186 in. (4,724 mm)	-
Cab to Tandem (CT)	-	168 in. (4,267 mm)
Frame section modulus at 180° area of operation*	15.9 in ³ , 110,000 psi, 758,422 kPa	15.9 in ³ , 110,000 psi, 758,422 kPa
Cab to End of Frame (EOF)	271" (6,883 mm)	271" (6,883 mm)
Nominal Frame Width	34 in. (864 mm)	34 in. (864 mm)

* Frame selection modulus at 360° area of operation requires front bumper stabilizer.

TRUCK AXLE WEIGHTS

S Models	22101S Single Axle	22101S Tandem Axle
Front axle (FAWR)	Consult Factory	16,000 lbs. (7,257 kg)
Rear axle (RAWR)	Consult Factory	40,000 lbs. (18,143 kg)
Min. truck axle W - Front**	Consult Factory	6,800 lbs. (3,084 kg)
Min. truck axle W - Rear**	Consult Factory	7,400 lbs. (3,765 kg)

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

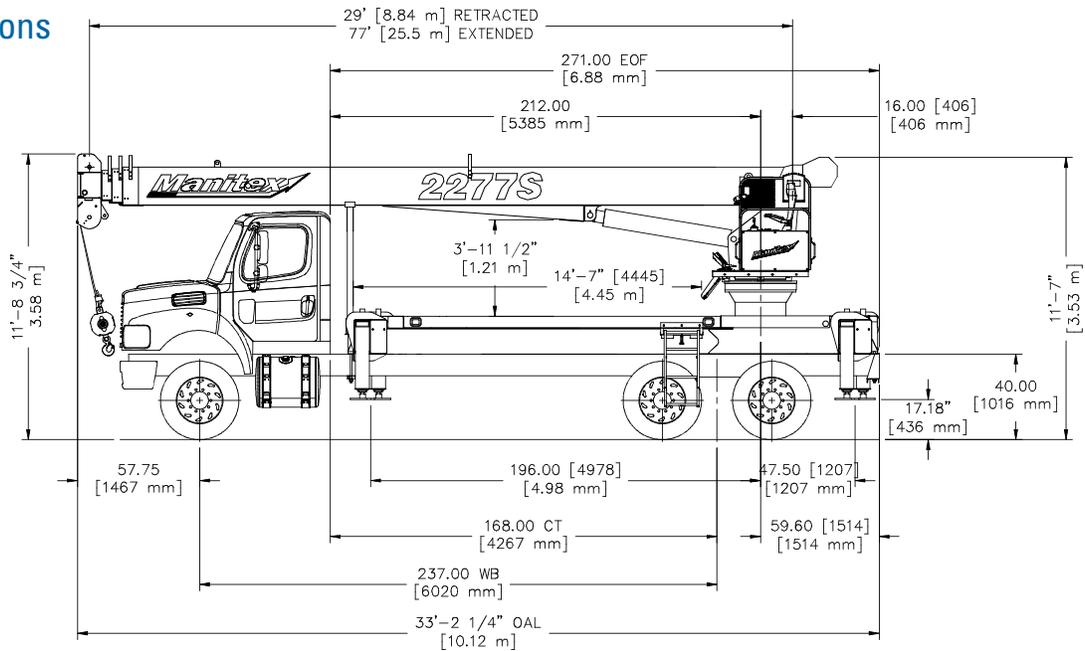
CRANE WEIGHTS

Model	22101S
Crane without cab	18,100 lb. (8210 kg)
Cab	575 lb., (261 kg)
Flatbed 13 ft.	1,100 lb. (544 kg)
Jib Fixed	660 lb. (299 kg)

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

TC220 SERIES CHASSIS DATA: //

2277S Dimensions



CHASSIS DATA

2277S Tandem Axle	
Wheel Base (WB)	237 in. (5,020 mm)
Cab to Tandem (CT)	168 in. (4,267 mm)
Cab to End of Frame (EOF)	271 in. (6,883 mm)
Nominal frame width	34 in. (864 mm)
Frame section modulus	15.9 in ³ , 110,000 psi 758,422 kPa

TRUCK AXLE WEIGHT

Model	2277S Tandem Axle
Front axle (FAWR)	14,000 lbs. (6350 kg)
Rear axle (RAWR)	40,000 lbs. (18,143 kg)
Min. truck axle weight - Front**	5,750 lbs. (2,608 kg)
Min. truck axle weight - Rear**	6,750 lbs. (3,062 kg)

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

CRANE WEIGHTS

Model	2277S
Crane without cab	16,575 lb. (7,518 kg)
Cab	575 lb., (261 kg)
Flatbed 13 ft.	1,100 lb. (498 kg)
Jib Fixed	660 lb. (299 kg)

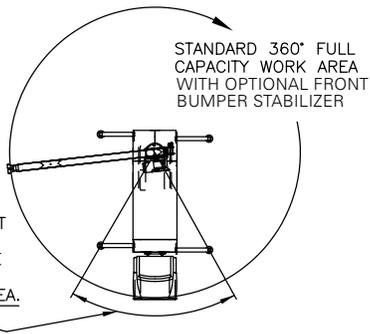
Data published herein is intended as a guide only. Crane operation is subject to machine specific load charts and information.

OUTRIGGER EXTENSION

AREA OF OPERATION

In order to take advantage of full 360° rotation, the optional front bumper stabilizer must be set in accordance to the manual before working in this area and machine must be level.

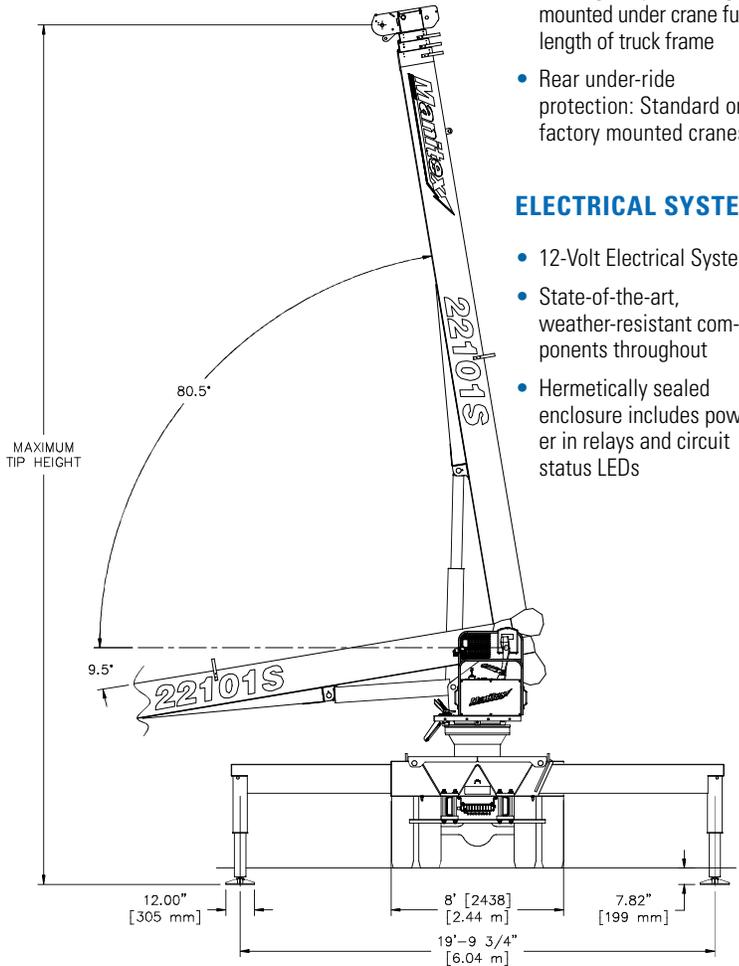
If a front bumper stabilizer was not supplied, then the front tires must be in contact with the ground before working in this area.



WARNING:

THE FRONT TIRES MUST BE IN CONTACT WITH THE GROUND, AND THE MACHINE LEVEL, WHEN OPERATING IN THIS AREA.

FULL EXTENSION



SUB FRAME

- 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

ELECTRICAL SYSTEM

- 12-Volt Electrical System
- State-of-the-art, weather-resistant components throughout
- Hermetically sealed enclosure includes power in relays and circuit status LEDs

Deductions from rated loads for load handling devices supplied by Manitex

Auxiliary block	50 lbs. (22.7 kg)
Overhaul ball	See overhaul ball mfr. nameplate
Load blocks	See load block mfr. nameplate
Hose reel	160 lbs. (72.6 kg)
Swing around jib (stowed)	See load chart

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

ALLOWABLE LINE PULL						WARNING
1 PART LINE	2 PART LINE	3 PART LINE	4 PART LINE	5 PART LINE	6 PART LINE	
						<p>ANTI-TWO-BLOCK SYSTEM MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE. REFER TO OWNER'S MANUAL.</p> <p>KEEP AT LEAST 3 WRAPS OF LOAD LINE ON DRUM AT ALL TIMES.</p>
8500 LBS	17000 LBS	25500 LBS	34000 LBS	42500 LBS	44000 LBS	
7400 LBS	14800 LBS	22200 LBS	29600 LBS	37000 LBS	44000 LBS	<p>9/16" - 6X25 IWRC (3.5:1 S.F.) 29750 LBS. BREAKING STRENGTH</p> <p>9/16" ROT RESISTANT (5.0:1 S.F.) 37000 LBS. BREAKING STRENGTH</p>

REEVING DIAGRAM

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