



series 2601

BOOM TRUCKS

features

- 26 Ton (23 mton) Capacity
- 4-Section 101' (30,8 m) Proportional Boom
- 141' 4" (43,1 m) Maximum Tip Height
- 112' 2" (34,2 m) Maximum Main Boom Tip Height
- 1-Section 29' (8,8 m) Jib
- 2-Speed Planetary Hoist with Grooved Drum and Negative Draft Flange
- Load moment system with digital display, CAN bus, overload shutdown, and internal boom length sensing cable
- Radio ATB
- 21' 6" (6,6 m) A-Frame Outriggers
- 10' (3,1 m) A-Frame Stabilizers
- Front bumper stabilizer with auto-retract feature for a 360° area of operation (option).
- Rugged, Weatherproof, Connectorized, Electrical System with Crane System Circuit Status LEDs
- Removable Boom Rest
- System Pressure Gauge
- Clamp-On Mounting
- Manitex UPTIME Comprehensive Support



series 2601

GENERAL SPECIFICATIONS

BOOM

Booms - Inverted T-cross section, 4-section telescoping type, extended and retracted proportionally by double-acting hydraulic cylinder and cable-crowd system. Easily replaceable and adjustable high-density nylon slide pads. 4-Section, 29' 5" (9,0 m) to 101' (30,8 m). 1-section, 29' (8,8 m) jib.

Quick Reeve Boom Point - Three high-density nylon load sheaves mounted on heavy-duty roller bearings. Three removable pin-type rope guards.

Boom Elevation - Double-acting hydraulic cylinder. Working range from 10° below horizontal to 80.5° above.

Load Hook - 5-ton (4,5 mton) capacity hook with heavy-duty swivel and weight is provided for single-line operation.

HOIST

Maximum theoretical line speed 300 fpm (91,4 mpm). Maximum theoretical bottom-layer line pull 11,500 lb (5 216 kg). Two-speed planetary reducer. Spring applied, pressure-released internal brake.

WIRE ROPE

300' (91,4 m) of 9/16" (14,3 mm) diameter 6 X 25 EIPS IWRC.

SWING SYSTEM

Oversized diameter ball bearing with external gear, 372° non-continuous rotation is standard. Externally mounted, double-reduction planetary driven by hydraulic motor; spring-applied hydraulically released brake. Maximum swing speed 1.5 rpm

OUTRIGGERS

21' 6" (6,6 m) A-frame link type with double-acting hydraulic cylinders operated independently for precise leveling. Bubble level located near outrigger controls. 16" (406,4 mm) x 20" (508 mm) pivoting pad.

STABILIZERS

A-frame type - 8' (2,4 m) retracted; 10' (3,1 m) extended; mounted under truck frame. Operated independently for precise leveling. 8" (203,2 mm) x 11.38" (288,9 mm) fixed pad.

Out-Down type (option) - 8' (2,4 m) retracted; 13' 11" (4,2 m) extended; mounted under truck frame. Operated independently for precise leveling. 12' (305 mm) diameter pivoting pad.

Front Bumper stabilizer (option) - Single stabilizer mounted at the front of the truck for 360° area of operation. Stabilizer cylinder protected by auto-retract feature to prevent drive away damage. This option may require front frame extensions-consult factory.

MOUNTING

Mounting - Pedestal and subframe are mounted to chassis by threaded rods and clamp plates. No welding, drilling or bolting to truck chassis is required.

Rear Underride Protection - Supplied on factory-mounted cranes. Fabricated structure mounted under rear of carrier. Complies with Bureau of Motor Carrier Safety Standard 393.86.

Subframe - Torsion resistant, rigid 4-plate design, mounted under crane; full length of truck frame.

Boom Rest - Heavy-duty fabrication. Easily removed to simplify loading and unloading truck deck.

CONTROL SYSTEM

Dual operator platforms are equipped with four single-axis lever crane controls arranged to ANSI B30.5 standards, fully proportional control valves and system pressure gauge. Each station also includes outrigger and stabilizer controls, engine start/stop, air foot throttle, signal horn, load moment indicator console, boom-angle indicator, load chart and range diagram and beverage container.

HYDRAULICS

Hydraulic System - A 3-section gear pump direct-mounted to power take-off on truck transmission provides 32 gpm (121 lpm) to the hoist, 10 gpm (38 lpm) to the swing and 21 gpm (79,5 lpm) to the remaining crane functions. 70-gallon (265-liter) baffled reservoir with strainer and 25-micron filter in the return lines. Ball-type shutoff valve and strainer are provided in suction line. All fittings are ORS face and SAE O-ring type.

Hydraulic Cylinders - All load-holding cylinders are equipped with integral holding valves.

WARNING SYSTEMS

Load Moment Indicator (LMI) - CAN bus system maximizes expansion capabilities. Senses boom hoist cylinder pressure, boom length and boom angle. Audio-visual warning indicated overload conditions and overload shutoff feature prevents continuing overload. Operator can access all load conditions via display at the operator station. Internal boom length cable.

Radio Anti-Two-Block System - Audible warning and shutoff functions prevent hook from contacting boom point. Wireless system eliminates downtime typically associated with damaged cables in wired systems.

Back-Up Alarm - Electronic audible motion alarm activates when truck transmission is in reverse gear.

GENERAL

Electrical - State-of-the-art, designed with weather-resistant components throughout. Hermetically sealed power in relays. Enclosure includes power in relays and circuit status LEDs. Designed to withstand high-pressure washing and varying climates.

Design/Welding - Design conforms to ANSI B30.5. Welding conforms to AWS D1.1. Tested to SAE 1063 and SAE 765.

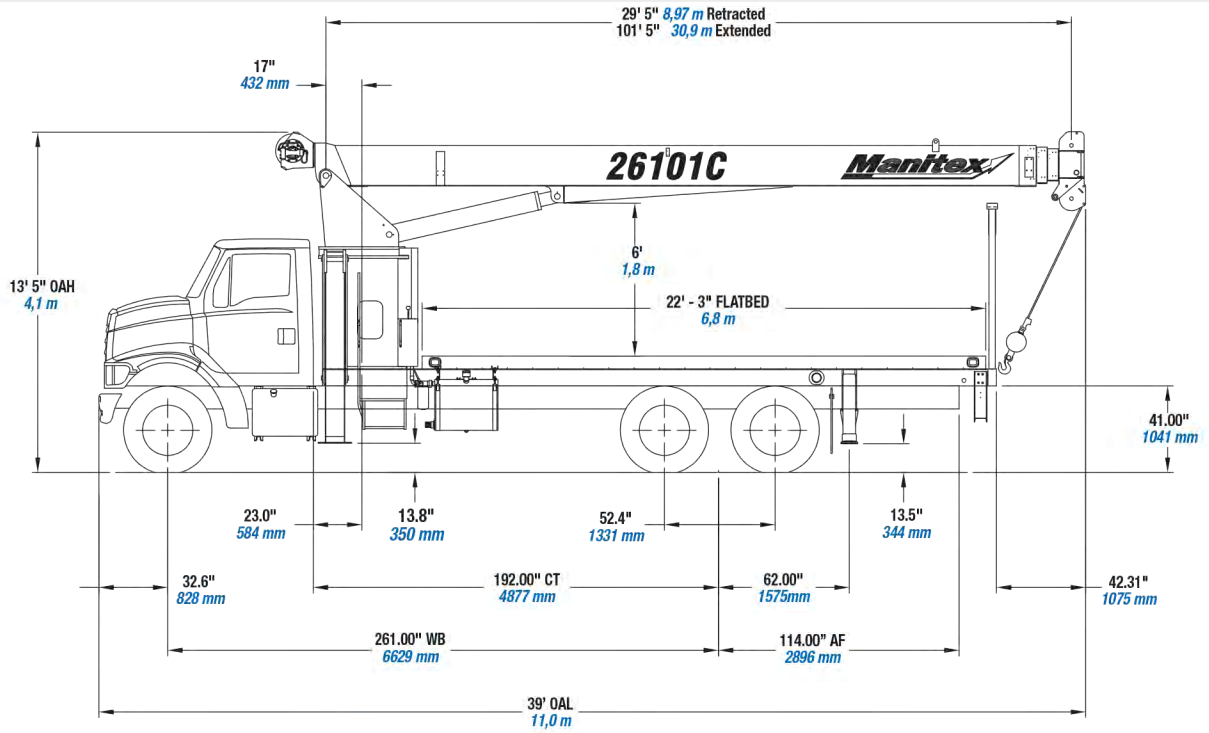
Manuals - Operator, service and parts manuals depict correct crane operation, maintenance procedures and parts listing.

Warranty - 12-month warranty covers parts and labor resulting from defects in material and workmanship.

* In order to ensure continuous improvement, specifications may change without notice.



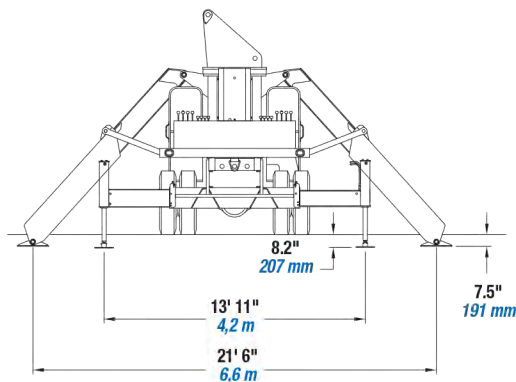
OAH Overall Height
 CT Cab to Tandem
 CA Cab to Axle
 WB Wheel Base
 OAL Overall Length
 BBC Bumper to Back of Cab
 AF Afterframe



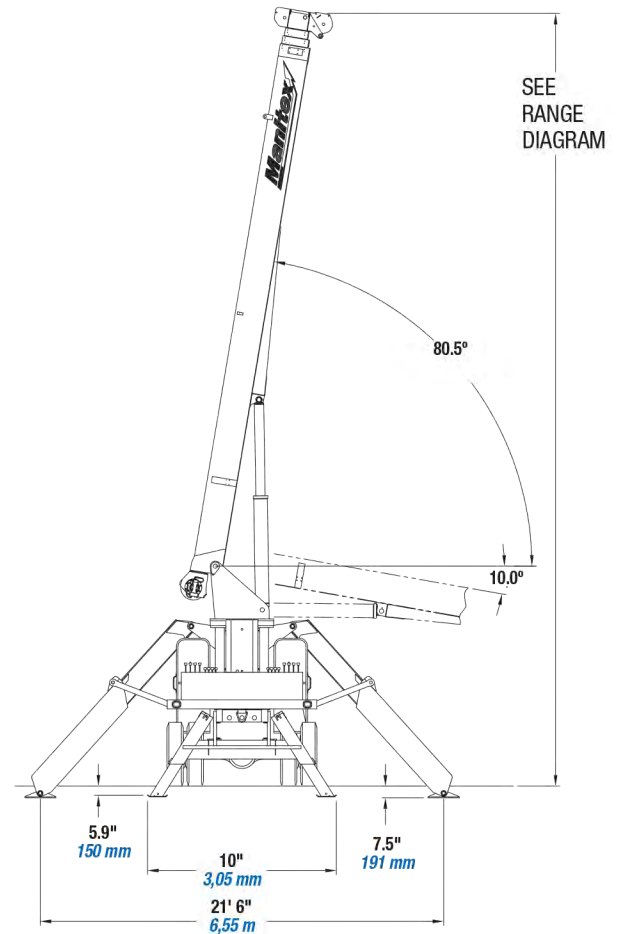
CHASSIS DATA	26101C
Wheelbase (WB)	261" 6 629 mm
Cab to Tandem (CT)	192" 4 877 mm
After Frame (AF)	114" 2 896 mm
Frame Section Modulus	15.9 in ³ 110,000 psi 758 422 kPa
Frame Section Modulus for 360° rotation (minimum)	25.0 in ³ 110,000 psi 758 422 kPa
Front Axle Gross Weight Rating	16,000 lb 7 257 kg
Rear Axle Gross Weight Rating	34,000 lb 15 422 kg
Minimum Truck Axle Weight - Front*	8,000 lb 3 629 kg
Minimum Truck Axle Weight - Back*	8000 lb 3 629 kg
Nominal Frame Width	34"-35" 864 -889 mm
*Minimum chassis weight is required to meet 85% stability requirements. Chassis data is general - not for engineering. Some dimensions depend on truck selection.	

MAXIMUM TIP HEIGHT	26101C
Configuration	Boom 101' 5" 30,9 m
Extended Boom	112' 8" 34,3 m
Fixed Jib	141' 10" 43,2 m

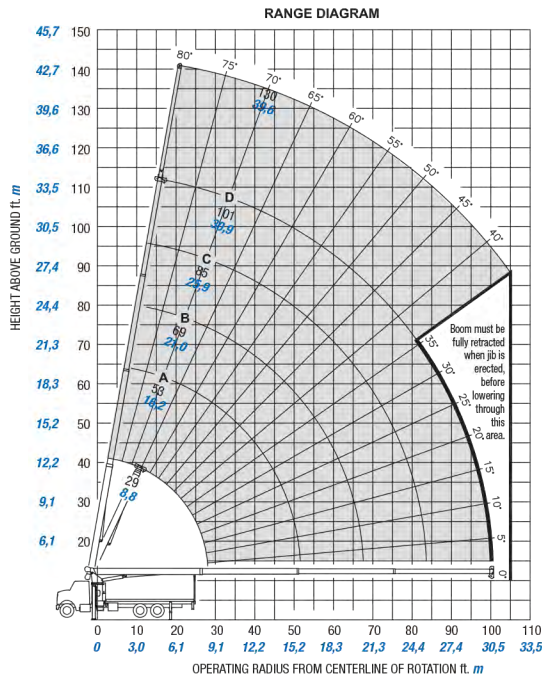
WEIGHTS	26101C
Total Crane	18,970 lb 8 605 kg
29' (8,84 m) Fixed Length Jib	630 lb 286 kg
22' (6,71 m) Flat Bed -	2,000 lb 907 kg



Out-Down Rear Stabilizers (option)



A-frame Rear Stabilizers (standard)



FULLY EXTENDED OUTRIGGER SPREAD: MODEL 26101C

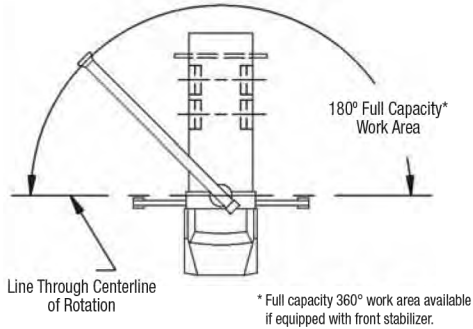
MAIN BOOM LOAD RATINGS

JIB LOAD RATINGS

Operating Radius	Boom Length						Fixed Jib					
	29.4 Feet 8.96 Meters		53 Feet 16.15 Meters		69 Feet 21.03 Meters		85 Feet 25.91 Meters		101 Feet 30.78 Meters		26 Feet 7.92 Meters	
Feet Meter	°	lb kg	°	lb kg	°	lb kg	°	lb kg	°	lb kg	°	lb kg
5 1.52	80	52000 23587										
8 2.44	74	37390 16960										
10 3.05	70	31750 14402										
12 3.66	66	27740 12583	78	14000 6350								
14 4.27	61	24720 11213	76	14000 6350	80	14000 6350						
17 5.18	54	21200 9616	72	14000 6350	78	12880 5842						
20 6.10	46	18030 8178	69	13700 6214	75	11430 5185	79	8920 4046				
25 7.62	29	14120 6405	63	11070 5021	71	9460 4291	75	8000 3629	79	6000 2722		
30 9.14			56	9170 4159	66	8210 3724	72	7070 3207	76	5500 2495	80	3000 1361
35 10.67			49	7850 3561	61	6970 3162	68	6130 2781	73	4980 2259	78	2840 1288
40 12.19			41	6120 2776	56	5980 2712	65	5320 2413	70	4490 2037	76	2620 1188
45 13.72			31	4890 2218	51	5020 2277	61	4640 2105	67	4000 1814	73	2420 1098
50 15.24			17	3950 1792	45	4090 1855	57	4070 1846	64	3580 1624	71	2230 1012
55 16.76					38	3370 1529	52	3440 1560	61	3200 1451	69	2020 916
60 18.29					30	2790 1266	47	2860 1297	57	2850 1293	67	1840 835
65 19.81					19	2310 1048	42	2390 1084	54	2430 1102	64	1670 757
70 21.34							36	1990 903	50	2040 925	62	1520 689
75 22.86							29	1650 748	45	1700 771	59	1380 626
80 24.38							20	1360 617	41	1420 644	56	1230 558
85 25.91									36	1160 526	53	1080 490
90 27.43									30	950 431	50	950 431
95 28.96									22	750 340	47	830 376
100 30.48									3	570 259	44	690 313
105 32.00											40	530 240
		340 154		190 86		150 68		120 54		100 45	DEDUCTIONS FOR STOWED JIBS	

Meets ANSI B30.5 Requirements - Do not operate crane or accessories within 10' (3.05 m) of live power lines.
NOTICE: This chart is for reference only and must not be used for lifting purposes. Consult factory for other boom options.

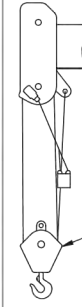
AREA OF OPERATION



DEDUCTIONS

Auxiliary Block	50 lb 22.72 kg
Auxiliary Sheave	50 lb 22.72 kg
Overhaul Ball	See Overhaul Ball MFGR. Nameplate
Load Block	See Block MFGR. Nameplate
Hose Reel	140 lb 63.64 kg
Swing Around Jib	See Load Chart

ALLOWABLE LINE PULL

1 Part Line	2 Part Line	3 Part Line	4 Part Line	5 Part Line	6 Part Line		WARNING
							Anti-two-block system must be in good operating condition before operating crane. Refer to the owner's manual. Keep at least three wraps of load line on the drum at all times.
8,500 lb 3 856 kg	17,000 lb 7 711 kg	25,500 lb 11 567 kg	34,000 lb 15 422 kg	42,500 lb 19 278 kg	51,000 lb 23 134 kg	52,000 lb 23 586 kg	9/16" 6 x 25 IWRC (3.5:1 SF) - 29,750 lb min. breaking strength
7,400 lb 3 357 kg	14,800 lb 6 713 kg	22,200 lb 10 070 kg	29,600 lb 13 427 kg	37,000 lb 16 783 kg	44,400 lb 20 140 kg	51,800 lb 23 496 kg	9/16" rotation resistant (5.0:1 SF) - 37,000 lb min. breaking strength

BOOM AND JIB COMBINATIONS

26101C	101'	4-Section Boom	26' 1-Section Jib
			
			



UPTime is the Manitex commitment to complete support of thousands of units working every day.

UPTime

- Includes 24-7-365 parts shipments.
- Utilizes the efficiency of UPNet online parts order system.
- Relies on Manitex's UPTrak support tracking system for performance analysis and resource allocation.
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- Provides expert service technicians for troubleshooting and site visits.
- Mandates training; at our facility and yours. It includes coordinated support from all component suppliers.
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What does UPTime mean to Manitex customers?

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UPTime means utilization.

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