Manitex

GUAY



CM260

26-ton (23.6 mt) TELESCOPIC CRANE

PRODUCT GUIDE

GUAY

CONTENTS

Crane Features 4
Boom Diagram 5
Load Chart: Main Boom & Jib 6
LMI Codes 7
Reeving Diagram 7
Crane Dimensions 8
Chassis Data 8
Crane Weights 8
Outrigger Extension 9
Area of Operation 9
Technical Descriptions 10-11
Options 11

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Refer to the appropriate Operator's Manual and Load Charts for instructions on the proper use of this equipment to determine allowable crane lifting capacities, assembly and operating procedures.
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Do not operate a Manitex crane or accessories within 10' (3.04M) of live power lines.

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KEY

	Operator aids
	Cab
	Heating / Air conditioning
	Controls
	Hoist speed
	1 - Main hoist 2 - Auxiliary winch 3 - Recovery winch
	Rope length
	Rope - standard/optional
	Rope diameter
	Permissible line pull
	Maximum line pull
	Slewing / Allowable slewing range
	Slewing gears
	Slewing brake
	A-Frame outriggers
	2-Person man basket
	Counterweight
	Radio remote control

	Hook block
	Distance from hook to head sheave pin
	Hook and ball
	Hydraulics
	Boom elevation angle
	Max. boom length with extension
	Boom with extension retracted
	Boom angle
	Telescoping mode
	Working radius
	Boom length
	Hydraulic actuated boom
	Full power mechanical synchronized
	Boom head / Hook block dimension
	Main boom with auxiliary head
	Tip height



THE CM260 TELESCOPIC CRANE

Maximize Rental Use and Value

The CM260 telescopic crane strikes the perfect balance between the three things customers tell us they care about most in a rental crane: features, cost and usability. Competitively priced and packed with standard features designed to save time and money.

- Change line speed on the fly and minimize rope stacking with its 2-speed burst of speed (combined flow) planetary hoist with grooved drum and negative draft flange.
- Minimize maintenance costs with replaceable, self-lubricating boom slider pads equipped with teflon inserts.
- Get active and immediate feedback on load with the integrated load-moment indicator system.

Other features include:

- 26-ton Capacity @ 5 ft. radius
- 101 ft. 4-Section proportional boom
- 112 ft max boom tip height
- Optional 29' Fixed Jib
- Wired anti-two block with lockout ATB
- Removable boom rest

USER-FRIENDLY CONTROLS

Dual operator stations are equipped with engine start/stop, foot throttle, signal horn, boom angle indicator, load chart and range diagram.

OUTRIGGER DEPLOYMENT

An audible alarm sounds as outriggers are being deployed, and indicator lights verify when they are fully extended.

LOAD MOMENT INDICATOR

The load-moment indicator provides audio/visual warning or shuts down the machine when lift limitations are about to be exceeded.

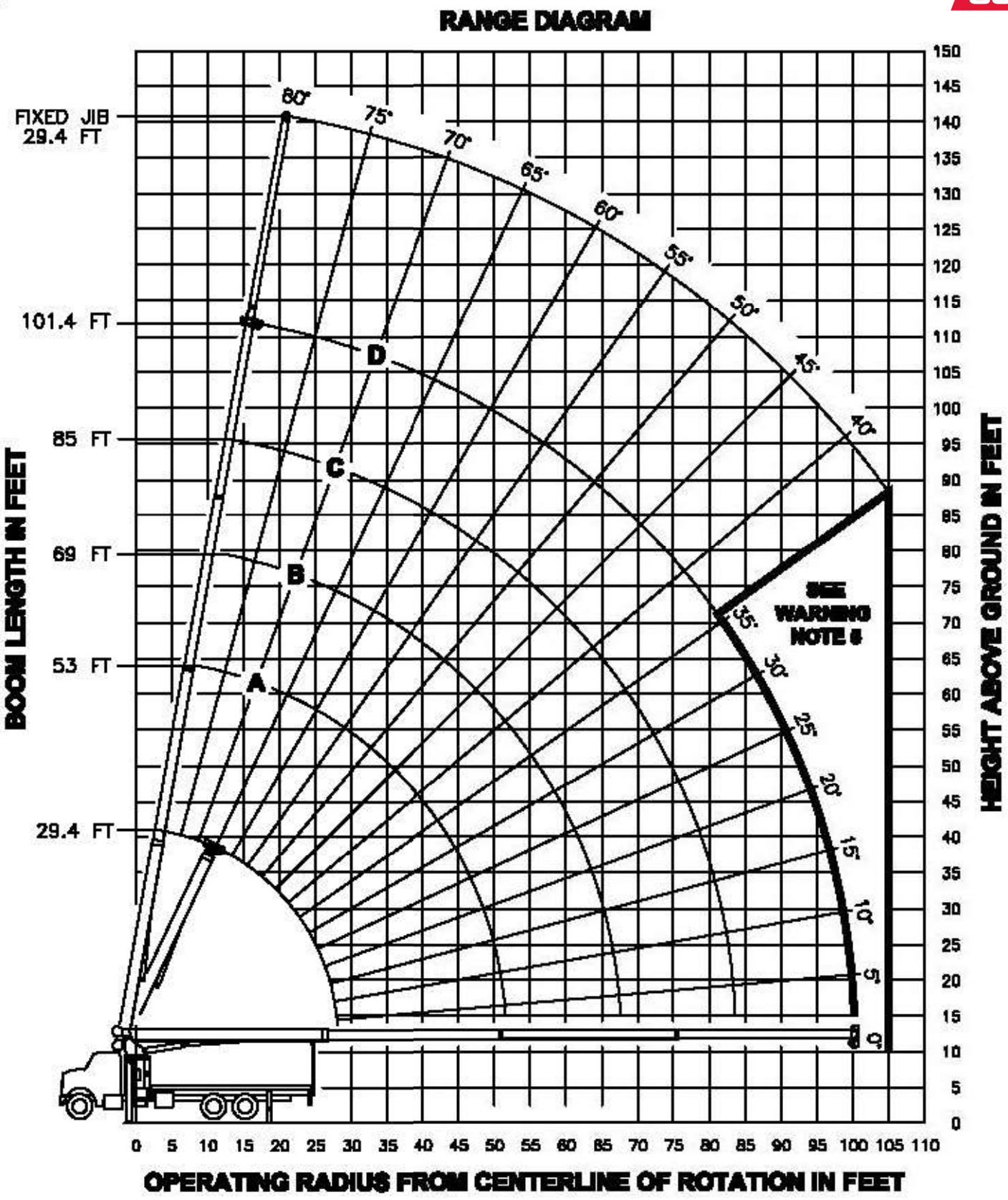


INCREASE PROFITABILITY

The versatile CM260, designed to be used with a commercial carrier, helps both owners and operators make the most of their investment.

- Travel to and between jobs at highway speed.
- Ride in comfort with a carrier suspension designed for highway driving.
- Get repairs done quickly and by qualified technicians at commercial truck centers.

BOOM DIAGRAM



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

LOAD CHART: Main Boom & Jib

4-section Boom 29.44 ft.- 101.44 ft.

Jib 29 ft.

21'-6" (6,5 M) 372° Non-continuous

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Load Ratings in LBS with Outriggers and Stabilizers Extended LMI Code #1											Jib Load Ratings in LBS with Outriggers and Stabilizers Extended			
												Fixed Jib		
												LMI Code #2		
	Loaded Boom Angle	Boom Length & Marker	A (lbs.)		B (lbs.)		C (lbs.)		D (lbs.)			Loaded Boom Angle	Jib Length for All Boom Lengths	
(ft.)		29.44 ft.		53 ft.		69 ft.		85 ft.		101.44 ft.	(ft.)			
5	80	52,000												
8	74	37,390												
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	3,960	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	
	340 lbs.		190 lbs.		150 lbs.		120 lbs.		100 lbs.		Deductions for stowed fixed jib			

Structural

Tipping

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 tipping rating

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LMI OPERATING CODES

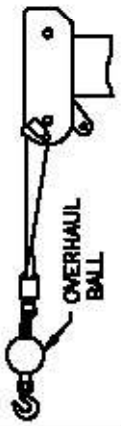
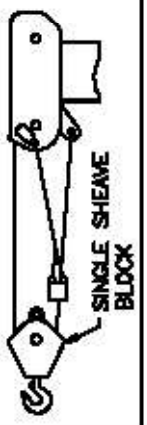
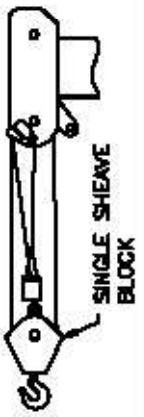
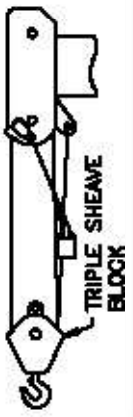
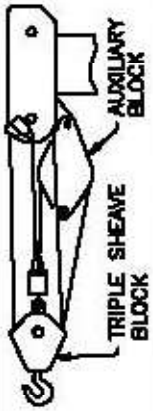
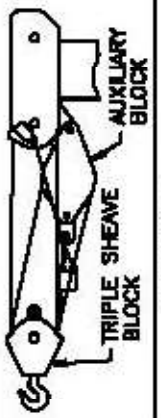
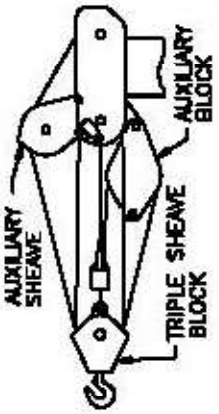
Code	Crane Configuration	Outrigger Configuration	Area of Operation
#1	Main Boom	Fully Extended	372° Non-continuous
#2	Fixed Jib	Fully Extended	372° Non-continuous
#5	Personnel lifting platform on main boom	Fully Extended	372° Non-continuous
#6	Personnel lifting platform on fixed jib	Fully Extended	372° Non-continuous

WARNING: Lifting personnel from extended jib is not approved.

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REEVING DIAGRAM

ALLOWABLE LINE PULL

1 PART LINE	2 PART LINE	3 PART LINE	4 PART LINE	5 PART LINE	6 PART LINE	7 PART LINE
						
8500 LBS	17000 LBS	25500 LBS	34000 LBS	42500 LBS	51000 LBS	52000 LBS
7400 LBS	14800 LBS	22200 LBS	29600 LBS	37000 LBS	44400 LBS	51800 LBS

WARNING

ANTI-TWO-BLOCK SYSTEM MUST BE IN GOOD OPERATING CONDITION BEFORE OPERATING CRANE.

REFER TO THE OWNER'S MANUAL.

KEEP AT LEAST 3 WRAPS OF LOAD LINE ON THE DRUM AT ALL TIMES.

9/16" 6X25 IWRC (3.5:1 SF) – 29750 LBS MIN BREAKING STRENGTH

9/16" ROT RESISTANT (5.0:1 SF) – 37000 LBS MIN BREAKING STRENGTH

DEDUCTIONS FROM RATED LOADS FOR LOAD HANDLING DEVICES SUPPLIED BY MANITEX

AUXILIARY BLOCK ——— 50 LBS
AUXILIARY SHEAVE ——— 50 LBS
OVERHAUL BALL ——— SEE OVERHAUL BALL MFGR. NAMEPLATE
LOAD BLOCK ——— SEE BLOCK MFGR. NAMEPLATE
HOSE REEL ——— 140 LBS
SWING AROUND JIB ——— SEE LOAD CHART

WARNING

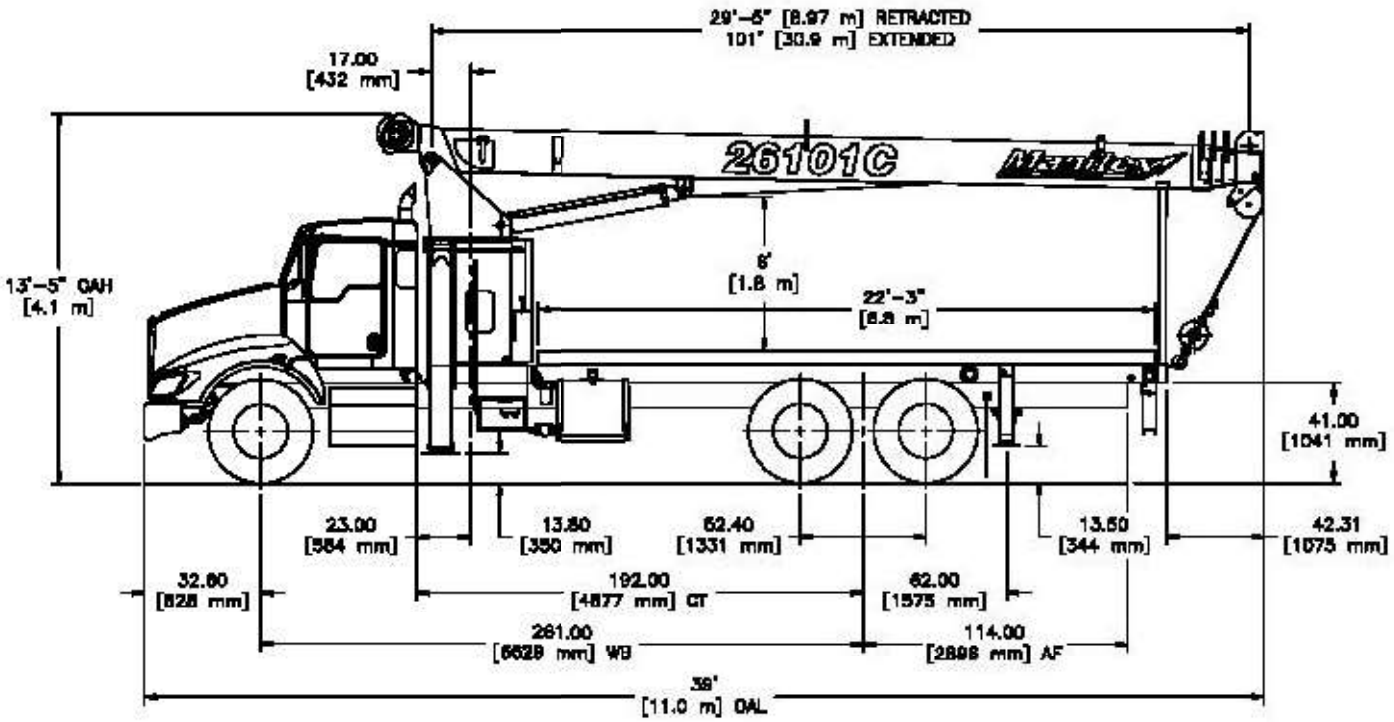
LIFTING OFF THE MAIN BOOM POINT WHILE THE JIB IS ERECTED IS NOT INTENDED OR APPROVED.

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CRANE DIMENSIONS

Imperial & Metric Units

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CHASSIS DATA

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.^{3} - 110,000 psi (758,422 kPa)

Minimum truck axle weight - front*	8,000 lbs. (3,629 kg)
Minimum truck axle weight - rear*	8,000 lbs. (3,629 kg)
Nominal frame W:	34 - 35 in. (864 - 889 mm)
Front axle gross weight rating:	16,000lb (7,257 kg)
Min. Rear axle gross weight rating:	40,000 lbs. (18,14 kg)

CRANE WEIGHTS

Basic crane weight:	18.970 lbs. (8,605 kg)
Fixed jib 29 ft. (8,8 m):	630 lbs.
Flatbed 22 Ft (6,7 mm):	2,000 lbs. (907 kg)

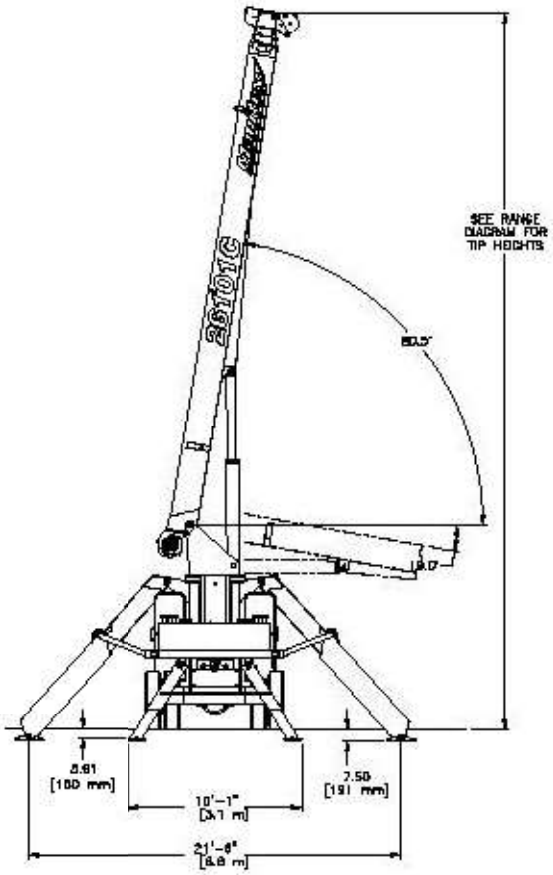
* Flatbed weight not included in crane weight.

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

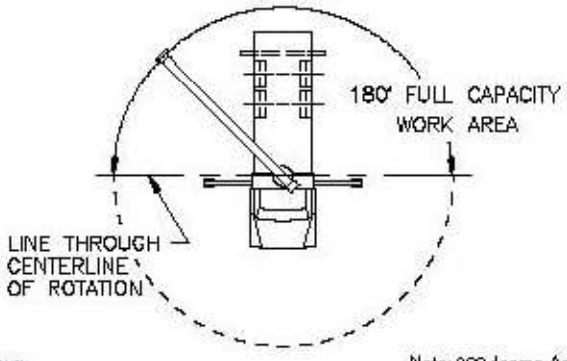
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OUTRIGGER EXTENSION

Imperial & Metric Units



AREA OF OPERATION



Note: 360 degree Area of Operation when equipped with optional Front Bumper Stabilizer.

Deductions from rated loads for load handling devices supplied by Manitex

Auxilary Block	50 lbs.
Auxilary Sheave	50 lbs.
Overhaul ball	See overhaul ball mfgr. nameplate
Load blocks	See block mfgr. nameplate
Hose reel	140 lbs.
Swing-around jib	See load chart

WARNING: Lifting off the main boom point while the jib is erected is not intended or approved.

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TECHNICAL DESCRIPTIONS

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 m)

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´ 6" (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: 9/16 in. (14,3 mm) 6 x 25 EIPS IWRC

Line length: 300 ft. (91,4 m)

Main winch: Gear Motor

Load ball: 5T (4,5 mt) capacity hook with heavy-duty swivel and weight is provided for single line operation.

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 gal. (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: 8 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°

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TECHNICAL DESCRIPTIONS

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

Options

Tool Boxes & Bulkhead

24 in. L x 20 in. W x 18 in. H - Steel
(610 mm L x 508 mm W x 457 mm H)

48 in. L x 24 in. W x 24 in. H - Aluminum
(1219 mm L x 610 mm W x 610 mm H)

Bulkhead: 24 in. (610 mm)

Options

Jib

1-section fixed jib 29 ft. (8 , 8 m)

Max. boom tip height with Optional jib:
141.9 ft. (43,25) from ground

Max. boom tip height with extension retracted:
112 ft. (35 m) from ground

Hoist, Rope and Hook

Load block:

- 1-sheeve
- 3-sheeve
- 9/16" Rotation Resistant Rope

Hydraulics

3-section vane pump, SAE B input

Hydraulic oil cooler

Hose reel - boom mounted

FBS - Front Bumper Stabilizer

2-Person Baskets

2-person man basket - Aluminum or steel - consult Manitex

- Non-rotating (600 lbs. cap.)
- Rotating (up to 1,000 lbs. cap.)

2-Person Baskets

4-Function radio remote crane control system

- 900 Mhz

Bed Options

22 ft. (6,7 m) Wood or steel

22 ft. (6,7m) Steel heavy hauler

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