



- Built Specially for Rough Terrain
- Powered by reliable Perkins Diesel Engine
- Standard Three Wheel Hydrostatic Drives
- Pantograph Reach Mechanism
- Mount or Dismount TM in Less than 60 Seconds
- Frame to Frame Mount
- Responsive Hydraulics
- Superior Load Placement Stability
- Self-Lubricating Slider Block on Mast and Pantograph

## TRUCK MOUNTED FORKLIFT

- Class II Hook Carriage
- Equipment Options
- Easy to Maintain
- Easy to Transport
- Easy to Operate
- Extensive Dealer Support
- Commitment to Quality



## **ELECTRONIC ENGINE MANAGEMENT SYSTEM**

Monitors engine coolant temperature and engine oil pressure, shuts the engine down before reaching potentially damaging levels.

## **CENTER SEATING**

Allows operator to be seated directly behind the center of the mast. Provides the operator with clear visibility to right and left of the load or trailer. Reduces product and machine damage.

## **SELF-LUBRICATING SLIDER BLOCKS ON MAST AND PANTOGRAPH**

Spreads contact load over large area and reduces maintenance compared to rolered mast.

## **CUSHION VALVE IN PANTOGRAPH CYLINDER**

Prevents carriage from retracting too quickly when pantograph nears fully retracted position.

## **FRAME-TO-FRAME MOUNTING SYSTEM**

The frame of the truck or the trailer and the chassis of the TrailerMate combined to support the weight of the TM50 during transport. No hydraulics or tires are used to support the TM50 during transport. Vibration is reduced to a minimum on key component parts.

## **QUICK AND EASY MOUNTING**

In less than 60 seconds the TrailerMate is ready to go to work or to be transported.



## **PROENGINEERED CELLULAR FRAME CONSTRUCTION**

Allows the maximum load to be lifted, carried and extended without overstressing any area of the frame.

## **PANTOGRAPH-REACH MECHANISM**

Keeps the horizontal center of gravity within the stability triangle of the TM50 by moving only the carriage and the load. The Pantograph eliminates moving the additional weight of the mast within the stability triangle. Drive the TrailerMate and feel the stability while picking up and depositing loads in rough terrain conditions.

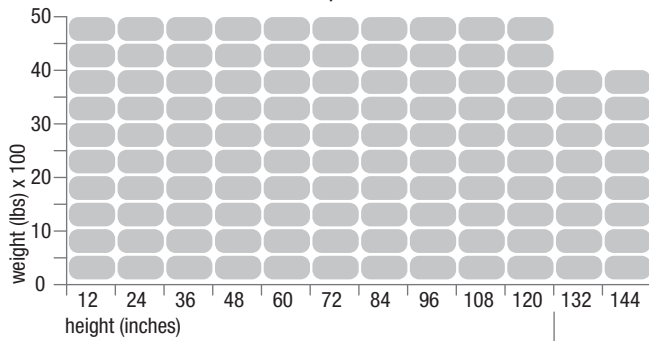


# TrailerMate TM50

ANSI B56.6 three wheel drive	US(STANDARD)		METRIC			
TIRES	31 x15.5		31x15.5 INCHES			
MAST (MFH)	120	144	INCHES	3048	3658	MM
OVERALL HEIGHT LOWERED	115	127	INCHES	2921	3226	MM
CAPACITY (@ 24" LC)	5000	4000	LBS	2268	1814	KG
POWER-Perkins 404C-22 Water Cooled DIESEL	50 HP @ 2800 RPM		35.3 KW @ 2800 RPM			
WEIGHT	5780	6140	LBS	2625	2788	KG
GRADEABILITY @ 2 MPH	51	49	PERCENT	51	49	PERCENT
OVERALL GUARD HEIGHT		92	INCHES		2337	MM
TILT (±1) FORWARD/BACK		5/9			5/9	
SIDESHIFT TOTAL S/S		6	INCHES		152	MM
GROUND CLEARANCE		8.75	INCHES		222	MM
FRAME OPENING		60	INCHES		1524	MM
OVERALL WIDTH		100	INCHES		2540	MM
OVERHANG		65	INCHES		1651	MM
OVERALL LENGTH		107.5	INCHES		2731	MM
EXTENSION PANTOGRAPH	48	45	INCHES	1219	1143	MM
TURNING RADIUS		93	INCHES		2360	MM
TRAVEL SPEED (FORWARD/BACKWARD)		9.0/5.9	MPH		14.5/9.5	KM/H

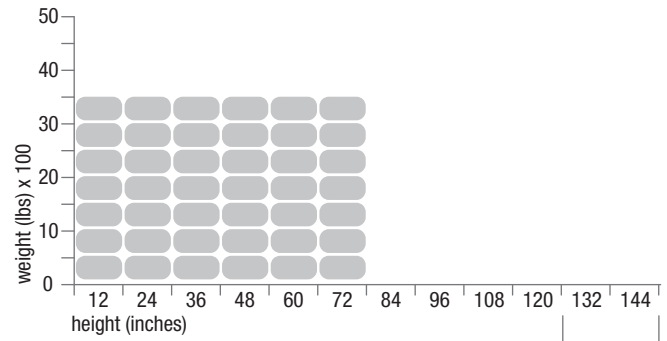
## LIFT CAPACITIES AT VARIOUS HEIGHTS AND REACHES

### PANTOGRAPH RETRACTED/STABILIZERS UP



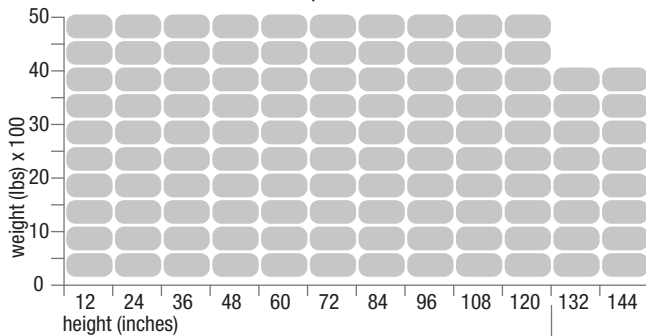
120" MAST  
144" MAST

### PANTOGRAPH EXTENDED/STABILIZERS UP



120" MAST  
144" MAST

### PANTOGRAPH EXTENDED/STABILIZERS DOWN



120" MAST  
144" MAST

## AVAILABLE EQUIPMENT AND ATTACHMENTS

- Turf/sand tires (31 x 15.50 - 15)
- Hard surface tires (31 x 10 x 16.5)
- No flat trak-seal tires
- Amber strobe light
- Flood lights
- Smart backup alarm
- Load backrest
- Suspension seat
- Tapered, pallet, or block forks
- 120" or 144" masts
- Engine block heater
- Wide load stabilizers
- Auxiliary hydraulics for attachment

## BUILT SPECIFICALLY FOR ROUGH TERRAIN WORK

Consider these key features of the Manitex TM series lift truck:

- Proven, reliable Perkins diesel engine
- Mount and dismount TM50 in less than 60 seconds
- ProEngineer software used to design optimum strength one piece frame
- Sideshifting masts
- Center seat for optimum visibility
- Mast heights of 10' and 12'
- Power rotary actuator steering
- O-ring faced seals used at virtually all hydraulic connections
- Superior stability during load retrieval and placement.
- Frame to Frame mounting system
- Three wheel hydrostatic drives
- Meets current ANSI B56.6b safety standards for Rough Terrain Forklift Trucks

## Uptime Extensive Dealer Support

Our dealer network covers all of North America with trained service techs ready to provide you with superior service and support. It's all part of the Factory and dealer commitment to help you achieve maximum productivity. Innovative engineering, design excellence and manufacturing quality have been the hallmarks of Manitex Lift Trucks.

## Safety Standards

The Trailer Mate meets ANSI B56.6 Safety Standards. Users should be aware of, and adhere to, applicable codes and regulations regarding operator training, use, operation and maintenance of powered industrial trucks, including ANSI B56.6, NFPA 505, Fire Safety Standard for Powered Industrial Trucks and OSHA regulations which may apply. Contact your Manitex Lift Truck Dealer for information.

## Your Next Step

See for yourself the benefits of owning or leasing Manitex lift trucks. Call your Manitex lift truck dealer for a demonstration and a quote.

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

- Includes 24-7-365 parts support.
- Utilizes the efficiency of Manitex online parts search and order system.
- Relies on Manitex's support tracking system for performance analysis and resource allocation.
- Features REMan, Manitex's cost effective rebuild/exchange program.
- Provides expert service technicians for troubleshooting and site visits.
- Mandates training; at our facility and yours. It includes coordinated support from all component suppliers.
- Involves every manitex team member in the support of every Manitex customer.

## What does Uptime mean to Manitex customers?

**Uptime** means reliability,  
**Uptime** means utilization,  
**Uptime** means profitability.



**MANITEX** moving . . . forward . . . faster

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