



# MT SERIES

CONSTRUCTION telescopic handlers





# SUCCESS THROUGH IMAGINATIVE POWER

MANITOU, the world's largest manufacturer of rough terrain forklift trucks, has its roots in a family tradition of innovation and imaginative power. For generations, the Braud family has dedicated themselves to creating innovative products for the lifting and handling markets.

Manufacturing its first truck in 1953, MANITOU is a pioneer in the rough terrain forklift market. By responding to market trends, MANITOU offers a complete line of rough terrain handling equipment adapted to the specific needs and challenges of each industry.

The long history of reliable, relevant equipment has led to more than 300,000 MANITOU rough terrain forklifts operating daily in more than 120 countries. This worldwide presence is backed up by a MANITOU dealer network staffed with trained mechanics and sales specialists to help you with your material handling requirements.

# OVERACHIEVER



***The MANITOU MT Series construction telescopic handlers are true overachievers. With soaring lift heights and impressive load capacities, these machines are designed to handle material in high places.***

MANITOU MT Series construction telescopic handlers are known for their rugged, heavy-duty build and compact design. These machines were created to handle a wide variety of tasks in the most demanding conditions.

## **NEW MT 5519**

- Maximum lift capacity of 5,500 lbs. (2495 kg)
- Maximum lift height of 19'1" (5.8 m)

## **MT 6034 / MT 6642 / MT 8044**

- Maximum lift capacities from 6,000 lbs. (2722 kg) to 8,000 lbs. (3629 kg)
- Maximum lift heights from 34'3" (10.4 m) to 44'0" (13.4 m)

## **NEW MT 10044**

- Maximum lift capacity of 10,000 lbs. (4536 kg)
- Maximum lift height of 44'0" (13.4 m)

## **MT 10055**

- Maximum lift capacity of 10,000 lbs. (4536 kg)
- Maximum lift height of 55'1" (16.8 m)

## **NEW MT 12042**

- Maximum lift capacity of 12,000 lbs. (5444 kg)
- Maximum lift height of 42'0" (12.8 m)





**Although its modest in size, the all-new, *MT 5519 telescopic handler* is the right machine when there's demanding work to be done in small spaces. With a lift height of 19'1" (5.8 m) and a maximum load capacity of 5,500 pounds (2495 kg), this machine will deliver big results in confined spaces.**

#### **COMPACT PERFORMANCE**

Don't be fooled by the MT 5519's compact size. This machine is built for performance with a lift capacity of 5,500 pounds (2495 kg) and a powerful 68-hp (50.7 kW) Interim Tier IV Yanmar diesel engine.

#### **BUILT FOR LIFE**

A double-wall rear tower and robust, heavy-duty boom nose provide the added strength where it is needed most, increasing machine performance and longevity.

#### **EXTREME MANEUVERABILITY**

With a turning radius of just 11 feet (3.4 m) and an overall height of only 6'4" (1.93 m), the MT 5519 makes working, and turning, in small spaces easy.

#### **ENHANCED TRACTION**

The two-speed transmission provides a high speed for ground travel up to 15 mph (24 km/hr) and a lower speed for extra tractive power.

# SUPER-COMPACT PERFORMANCE

**The MT 5519 is packed with time-saving and operator-friendly features making it not only productive, but cost effective to own and maintain.**

## TIME TO MULTI-TASK

The MT 5519 easily adapts to meet your needs with a variety of available attachments including truss booms, jib booms, buckets, multiple types of carriage forks and more.

## STEER CLEAR

Three selectable steering modes, 2-wheel, 4-wheel and crab, allow operators to maneuver through complicated obstacles with ease.

## HYDRAULIC PERFORMANCE

Hydraulic flow up to 22 gpm (83 L/min) provides excellent hydraulic performance. Optional auxiliary hydraulics are available to power a variety of available attachments.



## BUILT SMART & EFFICIENT

MANITOU MT 5519 offers operators comfort and an ergonomic design with plenty of adjustable features to meet the needs of a variety of operators. Ease of serviceability is built into the design as well.

## OPTIONAL ENCLOSED CAB

The enclosed cab option is suited with front and top windows, a door and a heater/defroster for use in areas where operators need protection from the weather. Air conditioning can be added for a complete climate controlled environment.



## IN CONTROL

Two standard, easy-to-reach, direct mechanical joystick controls provide smooth operation for boom and fork tilt functions, optimizing operator precision and productivity.

## EASY TO MAINTAIN

Engine accessibility is made simple with a large, hinged hood on the side of the machine. The hood lifts fully out of the way, allowing plenty of room to access maintenance points, including the battery and oil fill. A hinged door in the belly pan grants access to the oil drain.



**“They *redefine* material handling”**



***Once again, MANITOU redefines material handling with the all-new MT 10044 and MT 12042 construction telescopic handlers. These two new models add impressive capacities and high lift heights to MANITOU’s telescopic handler portfolio.***

#### **MOVE MORE MATERIAL**

Robust, welded-box section booms handle loads from 10,000 pounds (4536 kg) on the MT 10044 to 12,000 pounds (5444 kg) on the MT 12042.

#### **LIFT HIGHER**

Reach, pick, lift and place easily with lift heights from 42 feet (12.8 m) on the MT 12042 to 44 feet (13.4 m) on the MT 10044.

#### **EMISSIONS COMPLIANT POWER**

The MT 10044 and MT 12042 are equipped with Interim Tier IV emissions certified turbo-diesel engines which meet stringent emissions standards and provide the power and response needed for demanding work.

# HISTORICAL EXCELLENCE

**The *MT Series* telescopic handlers are a result of MANITOU's long history of material handling experience. Only the oldest manufacturer of compact telescopic handlers could design a machine to meet and exceed equipment owners' expectations of material handling equipment.**

## HIGH LIFT HEIGHTS

Lift heights from 34 to 55 feet (10.4 to 16.8 m) make material handling easy.

## IMPROVE STABILITY

Standard rear axle stabilization improves stability by locking the rear axle whenever the boom is raised 60 degrees or the parking brake is applied. Stability is further enhanced with the addition of outriggers available on models MT 6642, MT 8044, MT 10044, and MT 12042; standard on MT 10055.

## FAST AND MANEUVERABLE

With travel speeds up to 20 mph (32.5 km/hr), a compact design, three steering modes and a tight turning radius, the MT Series telescopic handlers get around jobsites quickly and efficiently.



## GO AHEAD, GET COMFORTABLE

MANITOU MT Series feature adjustable, ergonomic operators stations and easy-to-use controls for optimal comfort for any operator.



## OPTIONAL ENCLOSED CAB

The enclosed cab option is suited with front and top windows, a door, and a heater/defroster for use in areas where operators need protection from the weather. Air conditioning\* can be added for a complete climate controlled environment.

*\*Not available on MT 6034.*

## BE IN CONTROL

The optional tri-function joystick control allows the operator to control attachment tilt, auxiliary hydraulics and boom functions with a single joystick and speed control knobs.



## OPTIMIZED COMFORT AND SAFETY

An adjustable armrest and optional suspension seat enhances operator comfort for long, productive workdays. The operator has an unobstructed view virtually 360 degrees in all directions for increased precision and safety.



**“More options  
mean more  
flexibility”**

***Increase your operation’s flexibility with the **MT Series** construction telescopic handlers from MANITOU. These versatile machines offer a variety of performance features and options so you can tailor them to suit your needs.***

### **PERSONNEL WORK PLATFORM (PWP) SYSTEM**

The optional Manitou PWP System allows the safe and efficient use of an ANSI/ITSDF B56.6 compliant work platform.

The PWP System makes every job almost as easy as working at ground level. When the system is engaged the transmission is temporarily disconnected, the rear axle stabilizer is engaged, the frame leveling speed is reduced, and the parking brake is applied. A remote shut-off is located on the platform. This increases safety and allows for precise positioning.



# WORK ELEVATED

## REMOTE BOOM CONTROL (RBC) SYSTEM

With the RBC System option, a single operator can control boom and engine functions from outside the cab. When placing loads, an operator can leave the cab to control boom functions from a location that has better visibility – even from within a building.

- Controls boom functions and engine power-up and shut-down from outside the cab.
- Includes all the safety functions of the Manitou Personnel Work Platform (PWP) System and is compatible with any ANSI/ITSDF B56.6 compliant work platform.
- Can be used with any approved quick carriage release attachment.
- Transmitter is operated by a radio-control transmitter and made from strong polymer material that is resistant to shocks and impacts.



## TAKE CONTROL

### HOW IT WORKS

To activate the Remote Boom Control (RBC) System, apply and hold the service brakes and press the top of the RBC System rocker switch. The system is activated when the lamp in the RBC rocker switch is on.

#### The RBC System:

Places the transmission in neutral and applies the parking brake.

Locks the rear-axle stabilizer cylinder and reduces the frame leveling speed.

Disables auxiliary hydraulic and carriage swing functions.

Turns on the radio-control receiver for controlling boom functions and engine power-up and shut-down.

Monitors the position of the machine and will not allow operation unless the machine is properly leveled.



“They’re **reliable**  
and **versatile**”

***With the variety of attachments available for the **MT Series** construction telescopic handlers, your operation can do anything from material handling to lifting workers.***

#### **HYDRAULIC PERFORMANCE**

Excellent auxiliary hydraulic flow and system pressure provide the hydraulic performance needed to power a wide variety of attachments.

#### **SELF-LEVELING**

Hydraulic self-leveling lift action automatically keeps the load level as the boom is raised.

#### **PERSONNEL WORK PLATFORM (PWP) SYSTEM**

Works with any ANSI/ITSDF B56.6 compliant work platform to increase jobsite safety and versatility.

#### **FAST ATTACHMENT TRANSITION**

The quick carriage release system allows quick attachment changes with unsurpassed ease. The operator leaves the seat only to disengage the attachment.

# MULTI-TOOL CARRIER

## MT SERIES TELESCOPIC HANDLER ATTACHMENTS



### SWING CARRIAGE

90° and 180° swing



### ROTATING CARRIAGE

48" wide

66" wide



### LOG AND PIPE

with grapple arms



### PERSONNEL WORK PLATFORMS



### JIB BOOM

5'0" with winch and 50'0" cable

5'0" with winch and 60'0" cable



### TRUSS BOOM

5'0" or 8'0" without winch

12'0" or 15'0" with optional winch



### FORK SHIFT

50" wide

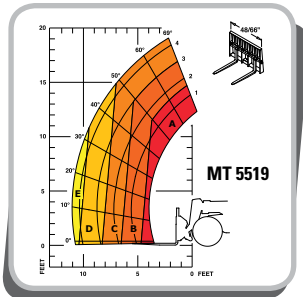


### CARRIAGES

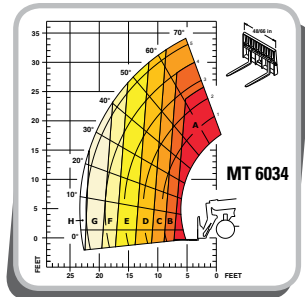
Masonry, framing and standard carriages in a variety of widths

## MT SERIES TELESCOPIC HANDLER LOAD CHARTS

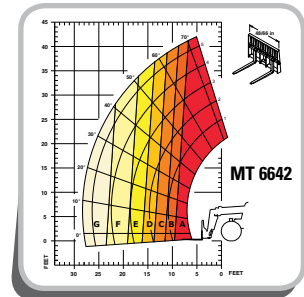
Load charts based on a 24" load center per ANSI/ITSDF B56.6



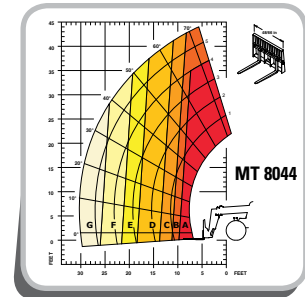
- A. 5,500 lbs. (2495 kg)
- B. 4,000 lbs. (1815 kg)
- C. 3,000 lbs. (1361 kg)
- D. 2,000 lbs. (908 kg)
- E. 1,850 lbs. (840 kg)



- A. 6,000 lbs. (2722 kg)
- B. 5,000 lbs. (2268 kg)
- C. 4,000 lbs. (1814 kg)
- D. 3,000 lbs. (1361 kg)
- E. 2,000 lbs. (907 kg)
- F. 1,500 lbs. (680 kg)
- G. 1,000 lbs. (454 kg)
- H. 900 lbs. (408 kg)



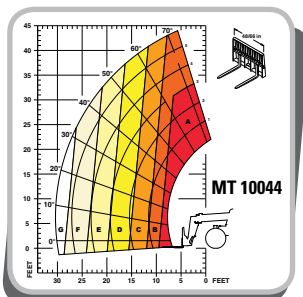
- A. 6,600/6,600 lbs. (2994/2994kg)
- B. 6,000/6,600 lbs. (2722/2994kg)
- C. 5,000/6,000 lbs. (2268/2722kg)
- D. 4,000/4,000 lbs. (1814/1814 kg)
- E. 3,000/4,000 lbs. (1361/1814 kg)
- F. 2,000/4,000 lbs. (907/1814 kg)
- G. 1,000/3,000 lbs. (454/1361 kg)



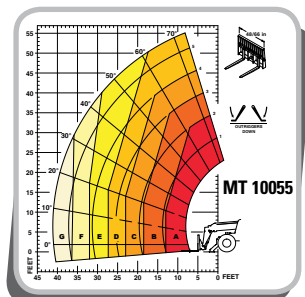
- A. 8,000/8,000 lbs. (3629/3629 kg)
- B. 7,000/8,000 lbs. (3175/3629 kg)
- C. 6,000/8,000 lbs. (2722/3629 kg)
- D. 4,000/6,000 lbs. (1814/2722 kg)
- E. 3,000/4,000 lbs. (1361/1814 kg)
- F. 2,000/4,000 lbs. (907/1814 kg)
- G. 1,000/3,000 lbs. (454/1361 kg)

Outriggers Up / Optional Outriggers Down

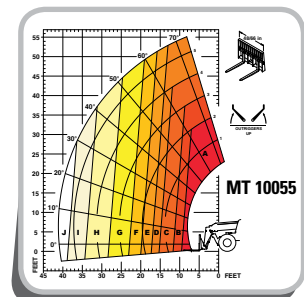
Outriggers Up / Optional Outriggers Down



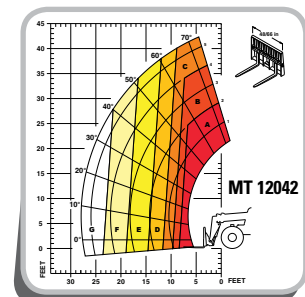
- A. 10,000/10,000 lbs. (4536/4536 kg)
- B. 8,000/8,000 lbs. (3629/3629 kg)
- C. 6,000/8,000 lbs. (2722/3629 kg)
- D. 4,000/6,000 lbs. (1814/2722 kg)
- E. 3,000/6,000 lbs. (1361/2722 kg)
- F. 2,000/4,000 lbs. (907/1814 kg)
- G. 1,500/3,000 lbs. (680/1361 kg)



- A. 10,000 lbs. (4536 kg)
- B. 8,000 lbs. (3629 kg)
- C. 6,000 lbs. (2722 kg)
- D. 5,000 lbs. (2268 kg)
- E. 4,000 lbs. (1814 kg)
- F. 3,000 lbs. (1361 kg)
- G. 2,000 lbs. (907 kg)



- A. 10,000 lbs. (4536 kg)
- B. 8,000 lbs. (3629 kg)
- C. 6,000 lbs. (2722 kg)
- D. 5,000 lbs. (2268 kg)
- E. 4,000 lbs. (1814 kg)
- F. 3,000 lbs. (1361 kg)
- G. 2,000 lbs. (907 kg)
- H. 1,000 lbs. (454 kg)
- I. 500 lbs. (227 kg)
- J. 250 lbs. (113 kg)








- A. 12,000/12,000 lbs. (5444/5444 kg)
- B. 10,000/10,000 lbs. (4536/4536 kg)
- C. 8,000/8,000 lbs. (3629/3629 kg)
- D. 6,000/8,000 lbs. (2722/3629 kg)
- E. 4,000/6,000 lbs. (1814/2722 kg)
- F. 3,000/5,000 lbs. (1361/2268 kg)
- G. 2,000/4,000 lbs. (907/1814 kg)


Outriggers Up / Optional Outriggers Down

Outriggers Up / Optional Outriggers Down

# MT SERIES TELESCOPIC HANDLERS SPECIFICATIONS

		MT 5519	MT 6034	MT 6642	MT 8044	MT 10044	MT 10055	MT 12042	
	CAPACITIES	Lift Capacity (kg)	5,500 lbs. (2495)	6,000 lbs. (2722)	6,600 lbs. (2994)	8,000 lbs. (3629)	10,000 lbs. (4536)	10,000 lbs. (4536)	12,000 lbs. (5444)
		Max. Lift Height (m)	19'1" (5.8)	34'3" (10.4)	42'0" (12.8)	44'0" (13.4)	44'0" (13.4)	55'1" (16.8)	42'0" (12.8)
		Capacity at Max. Lift Height (kg)	3,000 lbs. (1361)	4,000 lbs. (1815)	6,600 lbs. (2994)	7,000 lbs. (3176)	8000 lbs. (3629)	5000* lbs. (2268)	8000 lbs. (3629)
		Max. Forward Reach (m)	11'0" (3.4)	23'3" (7.0)	28'3" (8.6)	30'5" (9.3)	30'5" (9.3)	41'2" (12.6)	27'11" (8.5)
		Capacity at Max. Forward reach (kg)	1,850 lbs. (840)	900 lbs. (409)	1000 lbs. (454)	1,000 lbs. (454)	1500 lbs. (687)	2000 lbs.* (908)	2000 lbs. (908)
		Max. Grade Below Grade (mm)	0" (0)	24" (610)	14" (356)	16" (406)	16" (406)	29" (737)	17" (432)
	ENGINE	Manufacturer	Yanmar	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere
		Power (kW)	68 hp (50.7)	74 hp (55)	115 hp (86)	115 hp (86)	115 hp (86)	115 hp (86)	115 hp (86)
		Aspiration	Natural	Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged
		Model	4TNV98 Interim Tier IV	4045T Interim Tier IV	4045T Interim Tier IV	4045T Interim Tier IV	4045T Interim Tier IV	4045T Interim Tier IV	4045T Interim Tier IV
		Rated Speed	2500 rpm	2400 rpm	2500 rpm	2500 rpm	2500 rpm	2500 rpm	2500 rpm
	COMPONENTS	Transmission	Rexroth 2-Speed	Dana 3-Speed Powershift			Dana 4-speed Powershift		
		Max Travel Speed (km/hr)	15 mph (24)	20.2 mph (32.5)	18.8 mph (30.3)	18.8 mph (30.3)	19.3 mph (31.1)	19.3 mph (31.1)	19.3 mph (31.1)
		Selective Steering	4-Wheel, 2-Wheel, Crab						
		Service Brake	4-Wheel Hydraulically Actuated Internal Wet-Disc Brake						
		Parking Brake	Spring-Applied, Hydraulic Release (SAHR) on Front Axle						
		Axle Manufacturer	Dana						
	HYDRAULIC SYSTEM	Pump Type	Gear						
		Total Capacity (L/min)	22 gpm (83)	29 gpm (110)	40 gpm (151)	40 gpm (151)	40 gpm (151)	40 gpm (151)	40 gpm (151)
		System Pressure (bar)	3350 psi (231)	3000 psi (207)	3000 psi (207)	3000 psi (207)	3000 psi (207)	3000 psi (207)	3000 psi (207)
		Hydraulic Reservoir Capacity (L)	18 gal. (68)	35 gal. (133)	45 gal. (170)	45 gal. (170)	45 gal. (170)	45 gal. (170)	45 gal. (170)
	GENERAL SPECIFICATIONS	Approximate Weight (kg)	10,000 lbs. (4536)	15,100 lbs. (6850)	22,000 lbs. (9979)	23,500 lbs. (10,659)	25,500 lbs. (11,567)	27,800 lbs. (12,610)	25,200 lbs. (11,431)
		Length - Less Forks (m)	12'4" (3.8)	16'0" (4.9)	19'1" (5.8)	19'10" (6.1)	20'0" (6.1)	21'0" (6.4)	19'3" (5.9)
		Width (m)	5'11" (1.80)	7'10" (2.4)	8'0" (2.4)	8'0" (2.4)	8'3" (2.5)	8'3" (2.5)	8'3" (2.5)
		Ground Clearance (mm)	14" (350)	14" (350)	16" (400)	16" (400)	18" (457)	18" (457)	18" (457)
		Wheelbase (m)	7'6" (2.29)	9'2" (2.8)	10'0" (3.0)	10'0" (3.0)	10'0" (3.0)	10'4" (3.1)	10'4" (3.1)
		Turning Radius (m)	11'0" (3.35)	12'6" (3.8)	13'8" (4.2)	13'8" (4.2)	13'10" (4.22)	13'11" (4.24)	13'11" (4.24)
		Overall Height (m)	6'4" (1.93)	7'10" (2.4)	7'10" (2.4)	7'10" (2.4)	7'10" (2.4)	8'6" (2.6)	7'10" (2.4)
		Frame Leveling	N/A	± 10°	± 10°	± 10°	± 10°	± 10°	± 10°
		Fuel Capacity (L)	17 gal. (64)	29 gal. (110)	47 gal. (178)	47 gal. (178)	47 gal. (178)	47 gal. (178)	47 gal. (178)

\* With Outriggers Down

	TIRES OPTIONS	MT 5519	MT 6034	MT 6042 / MT 8044	MT 10044 / MT 10055 / MT 12042
		12.00 x 16.5 Bias/10 PR	15.00 x 19.5/12 PR	13.00 x 24/12 PR	14.00 x 12 PR
		12.00 x 16.5 Bias/10 PR Foam-Filled	15.00 x 19.5/12 PR Foam-Filled	13.00 x 24/12 PR - Foam Filled	14.00 x 24/12 PR Foam-Filled
		12.00 x 16.5 Solid Rubber	15.00 x 19.5 Solid Rubber	13.00 x 24/12 PR - Rock	13.00 x 24 Solid Rubber
		13.00 x 24 Solid Rubber			

FSC

This publication in no way constitutes an offer and the company reserves the right to alter specifications without notice.



MANITOU AMERICAS • PO Box 179 • West Bend, WI 53095  
Tel: 262-334-9461 • Fax: 262-338-7517 • www.manitou.com

©2012 Manitou Americas, Inc. Manitou. All rights reserved. Printed in the U.S.A.

03/2012-MT-SERIES-2.5M