



ROUGH TERRAIN VERTICAL MASTED forklifts





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.

ON YOUR SIDE, NO MATTER THE SITE



Unrivaled in the market, the M Series range of rough terrain forklifts is built on over 60 years of field experience, innovation, and customer feedback.

Renowned for their superior performance in the most extreme conditions, the rough terrain M Series forklifts go where others do not. Combining simplicity and productivity, the new M30 and M50 trucks are your most trusted allies on the jobsite. The power and maneuverability of the M30 and M50 allow you to do your job quickly and safely.

MANITOU



M 50-2 2-wheel drive **M 50-4** 4-wheel drive



PERFORMANCE

POWER and **VERSATILITY**

74 HP

Tier IV-certified Perkins engine utilizes diesel particulate filter (DPF) technology



ADAPTED TRANSMISSION

The torque converter transmission allows the operator to choose the ground speed that best suits the application (4-speed gearbox). The torque converter provides stabilized torque for traction on steep ground.

ENERGY SAVING

Fuel consumption reduced by up to 13%

rough terrain applications.

EXCEPTIONAL GRADEABILITY

Large diameter wheels, excellent weight distribution and axle differential locking system provide exceptional handling in

LIFT HEIGHTS UP TO **23** ft [**7**m]



GROUND CLEARANCE

WIDE TRACKS

Better stability increases safety when handling long or bulky loads









MANITOU



OSCILLATING REAR AXLE WITH HIGH CLEARANCE

SIMPLICITY

OPERATION and **MAINTENANCE** simplified

SPACIOUS CAB WITH PANORAMIC VIEW



Optional fully enclosed cab with heater, defroster and air conditioning.

Doors can be locked in the open position for ventilation and easy access.

Cab suspension reduces vibration to the operator.

ERGONOMIC CONTROLS



Ideally positioned controls are at your fingertips for maximum comfort and productivity.







FULL MAINTENANCE ACCESS

On all models, the wide opening hood provides full access to the engine, gauges, and filters, reducing maintenance time and improving service access.

LOAD ACCUMULATOR

Standard shock absorber technology allows the load to remain stable, regardless of the terrain.



MAST SELECTIONS AND CAPACITIES

	Model	Mast (m)	Free Lift (mm)	Overall Height Lowered (mm)	Height Mast Extended (mm)	Ŭ	Max. Capacity (m) Without TDL*	Capacity at Max. Height (kg) With TDL* Without TDL*	
2-Stage Full Visibility	M 30	130" / 10'10" (3.3)	5.12" (130)	96.65" (2455)	171.06" (4345)	130" / 10'10" (3.3)	130" / 10'10" (3.3)	6614 lbs. (3000)	6614 lbs. (3000)
	M 50		-	106.69" (2710)	173.82" (4415)			10,362 lbs. (4700)	11,023 lbs. (5000)
	M 30	146" / 12'2" (3.7)	5.12" (130)	106.89" (2715)	186.81" (4745)	146" / 12'2" (3.7)	146" / 12'2" (3.7)	6614 lbs. (3000)	6614 lbs. (3000)
	M 50		-	114.57" (2910)	189.57" (4815)			10,362 lbs. (4700)	11,023 lbs. (5000)
	M 30	158" / 13'1" (4)	5.12" (130)	114.37" (2905)	198.62" (5045)	158" / 13'1" (4)	158" / 13'1" (4)	6614 lbs. (3000)	6614 lbs. (3000)
	M 50		-	120.47" (3060)	201.38" (5115)			10,362 lbs. (4700)	11,023 lbs. (5000)
	M 30	177" / 14'9" (4.5)	5.12" (130)	124.21" (3155)	218.31" (5545)	158" / 13'1" (4)	158" / 13'1" (4)	6173 lbs. (2800)	6393 lbs. (2900)
	M 50		-	130.12" (3305)	221.06" (5615)			8929 lbs. (4050)	9921 lbs. (4500)
3-Stage Full Visibility	M 30	217" / 18'1" (5.5)	-	120.28" (3055)	264.76" (6725)	158" / 13'1" (4)	158" / 13'1" (4)	3307 lbs. (1500)	4409 lbs. (2000)
	M 50	185" / 15'5" (4.7)	62.99" (1600)	104.13" (2645)	228.54" (5805)	158" / 13'1" (4)	158" / 13'1" (4)	7385 lbs. (3350)	8157 lbs. (3700)
3-Stage Free Lift	M 30	197" / 16'5" (5)	70.59" (1793)	106.89" (2715)	234.72" (5962)	158" / 13'1" (4)	158" / 13'1" (4)	5291 lbs. (2400)	5732 lbs. (2600)
	M 50	217" / 18'1" (5.5)	73.43" (1865)	114.57" (2910)	259.88" (6601)	158" / 13'1" (4)	158" / 13'1" (4)	4739 lbs. (2150)	5291 lbs. (2400)
	M 50	236" / 19'8" (6)	80.31" (2040)	121.46" (3085)	279.72" (7105)	158" / 13'1" (4)	158" / 13'1" (4)	3968 lbs. (1800)	4409 lbs. (2000)
	M 30	256" / 21'4" (6.5)	97.76" (2483)	134.06" (3405)	293.78" (7462)	158" / 13'1" (4)	158" / 13'1" (4)	2646 lbs. (1200)	2976 lbs. (1350)

= Standard Mast
*TDL = Sideshift Carriage

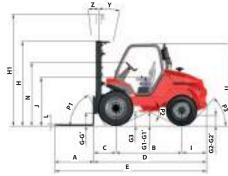
CARRIAGE OPTIONS

A variety of carriage sizes and types are available to ensure that your needs are met on the jobsite. Available in 58" (1470 mm), 66" (1670 mm), 69" (1750 mm) and 79" (2000 mm) widths.

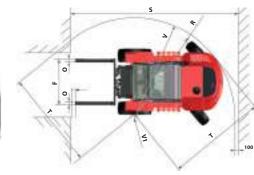
M SERIES ROUGH TERRAIN VERTICAL MASTED FORKLIFT SPECIFICATIONS

		M 30-2	M 30-4	M 50-2	M 50-4	(mm)	M 30-2 / M 30-4	M 50-2 / M 50-4	
	Maximum Capacity (kg/mm)	6,063 lbs. (2750) at 2	3.6" (600) load center	11,023 lbs. (5000) at 2	11,023 lbs. (5000) at 23.6" (600) load center		47" (1200)	47" (1200)	
	Lift Height (Standard Mast) (m)	(3.7)		B C	79" (1995)	84" (2124)			
NCE		146" (3.7) 276" (7) 236" (6)					27" (697)	30" (762)	
	Max. Lift Height (m)					D	136" (3442)	147" (3745)	
DRMA	Turning Radius (m)	10'2" (3.10)	14' (4.27)	11'2" (3.40)	15' (4.57) / 15°	E	183" (4642)	195" (4945)	
PERFORMANCE	Mast Tilt (Forward / Backward)	6° /	12°	F	61" (1550)	64" (1620)			
	Forks			F1	62" (1564)	69" (1740)			
	Length (mm)		47" (1	G	17" (425)	10" (265)			
	Width x Thickness (mm)	4.9" x 1.6"	(125 x 40)	G*	15" (385)	8" (210)			
ES	Service		Hydraulic multidisc in oi	G1 G1*	15" (385)	15" (375)			
BRAKES	Parking Brake Mechanical multidisc in oil bath on the front axle						15" (370)	14" (355)	
ш	Model			G2 G2*	12" (300)	12" (310)			
ENGINE		Perkins 854F-E34T Tier IV					12" (310) 15" (380)	13" (335)	
	,	Displacement (cm ³) 207.4 cu.in. (3400)						14" (360)	
	Power (kW)		74 hp	(55)		H H1	107" (2715) 187" (4745)	115" (2910)	
	Maximum Torque (Nm) @ 1400 rpm	Maximum Torque (Nm) @ 1400 rpm 235 ft. lbs. (318)						190" (4815)	
	Injection		1	30" (750)	34" (859)				
	Cooling		Wat		J	55" (1400)	57" (1435)		
	Tractive Effort (daN)	10,499 lbs. (4670)	14,141 lbs. (6290)	13,691 lbs. (6090)	22,976 lbs. (10220)	K	58" (1470) 2" (40)	66" (1670)	
TRANSMISSION	Туре		Torque converter					2" (50)	
	Gear Box		Mecha	N O	74" (1880)	76" (1925)			
	Reverser				0 P1	5" (125) 60.5°	6" (150) 43.5°		
			Electro-h		P1 P2	49°	43.5 50°		
	Number of speeds (forward/reverse)	4/4					49 46.5°	48.5°	
TRA	Maximum Travel Speed (km/h)	13.7 m	ph (22)	15 mp	oh (24)	P3 R	40.3	157" (3985)	
	Differential Lock Front Axle	Yes	Yes	Yes	No	S	209" (5307)	249" (6337)	
	Switch for 2/4 Wheel Drive	No	Yes	No	Yes	Т	120" (3060)	132" (3363)	
HYDRAULICS	Pump Type		Ge	U	97" (2460)	98" (2495)			
	Pressure (bar)	3,602 psi (245) 3,381 psi (230)					126" (3210)	164" (4155)	
	Flow Rate (L/min)		26 gpn	V V1	8" (210)	44" (1120)			
CAPACITIES / WEIGHTS	Fuel Tank (L)	I. (85)		W	75" (1900)	82" (2080)			
				Y	12°	15°			
	Hydraulic Fluid (L)	21 gal. (80)				Z	6°	15°	
	Nominal Weight (kg)	11,662 lbs. (5290) 12,092 lbs. (5485) 17,461 lbs. (7920) 18,056 lbs. (8190)					G - G1 - G2 - G3 = Unladen G* - G1* - G2* = Rated load		
TIRES	Front	14.5 R20 18PR MPT80 TL	400/70-20 150B T37 STAB TL	18-19.5 18PR 166A6 TL	18-22.5 163A8 MPT-06 TL	H - H1 = Standard mast 2-Stage Full Visibility 146" (3.7 m)			
TIR	Rear	10R 17.5 134/132 M G291	10.5/80-18 10PR TG42 TL	10 R 17.5 134/132M G291	340/80 R18 XMCL 143A8				

DIMENSIONS REFERENCE DIAGRAMS







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This product is created from well-managed forests, controlled sources, and contains a minimum of 10% post consumer waste.



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