

Technical sheet :

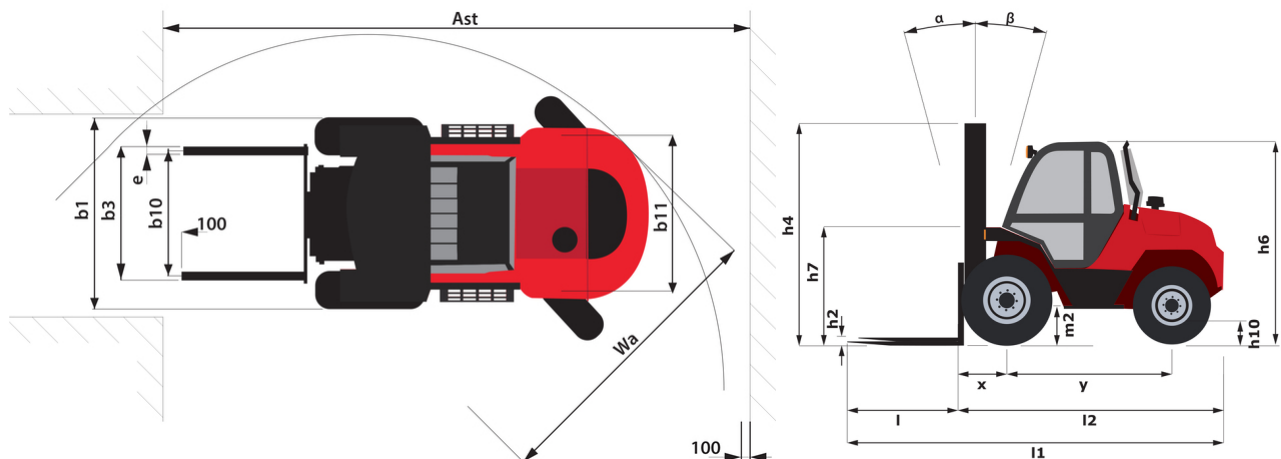
M 50-4



 **MANITOU**
HANDLING YOUR WORLD

	Technical characteristics		Metric	Imperial
1.1	Manufacturer		Manitou	Manitou
1.2	Model Name		M 50-4	M 50-4
1.3	Power source		Diesel	Diesel
1.4	Operator type		Seated	Seated
1.5	Max. capacity	Q	5000 kg	11023 lb
1.6	Load center of gravity	c	600 mm	24 in
1.8	Load distance, centre of drive axle to fork	x	773 mm	30 in
1.9	Wheelbase	y	2120 mm	83 in
	Weight			
	Standard mast reference of the machine		FVD 37	FVD 37
2.1	Service weight		8325 kg	18353 lb
2.2	Weight on front axle (laden) / rear axle (laden)		11520 kg / 1805 kg	25397 lb / 3979 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		3285 kg / 5040 kg	7242 lb / 11111 lb
	Wheels			
3.1	Tires type		Pneumatic	Pneumatic
3.2	Dimensions of front wheels		18-22,5 MPT06	18-22,5 MPT06
3.3	Dimensions of rear wheels		340/80 R18 XMCL	340/80 R18 XMCL
3.5	Number of front wheels / rear wheels		2 / 2	2 / 2
3.5.2	Number of drive wheels		4	4
3.6	Front wheel gauge	b10	1620 mm	64 in
3.7	Rear wheel gauge	b11	1740 mm	69 in
	Dimensions			
4.7	Height of overhead guard (cabin)	h6	1500 mm	59 in
4.8	Seat height/stand height	h7	1400 mm	55 in
4.19	Overall length	l1	4948 mm	195 in
4.20	Length to face of forks	l2	3748 mm	148 in
4.21	Overall width	b1	2080 mm	82 in
4.22	Forks section x width x length	s / e / l	60 mm x 150 mm / 1200 mm	2 in x 6 in / 47 in
4.23	Fork carriage ISO 2328 (class/form) A/B		4A	4A
4.24	Fork carriage width	b3	1670 mm	66 in
4.31	Ground clearance below mast	m1	295 mm	12 in
4.32	Ground clearance at centre of wheelbase	m2	380 mm	15 in
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	6812 mm	268 in
4.35	Turning radius	Wa	4640 mm	183 in
	Performances			
5.1	Travel speed (laden / unladen)		10 km/h / 24 km/h	6 mph / 15 mph
5.2	Lifting speed (laden / unladen)		0.40 m/s / 0.40 m/s	1 ft/s / 1 ft/s
5.3	Lowering speed (laden / unladen)		0.40 m/s / 0.30 m/s	1 ft/s / 0.98 ft/s
5.5	Drawbar pull (Laden)		1020 daN	1020 daN
5.10	Service brake		Hydraulic	Hydraulic
	Transmission type		Torque converter	Torque converter
	Engine			
7.1	Engine brand / model / norm		Perkins / 854F-E34T WF / Stage IIIB	Perkins / 854F-E34T WF / Stage IIIB
7.2	I.C. Engine power rating		55 kW	55 kW
7.3	Rated speed		2200 rpm	2200 rpm
7.4	Number of cylinders		4	4
	Miscellaneous			
8.2	Working hydraulic pressure for attachments		230 bar	3336 PSI
8.3	Oil flow rate for attachments		97 l/min	26 US gpm
8.4	Sound level at the driver's ear according to DIN 12 053		76 dB	76 dB

M 50-4 - Dimensional drawing



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