Technical sheet:

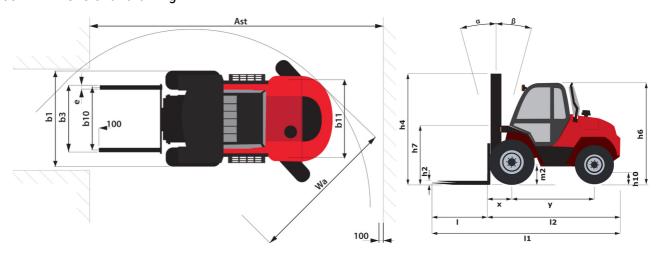
## M 50-2





		M 30-2 Gleat	led on April 25, 2024 at 2.08.38 PM 010
	Technical characteristics		Imperial
1.1	Manufacturer		Manitou
1.2	Model Name		M 50-2
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	11023 lb
1.6	Load center of gravity	С	24 in
1.8	Load distance, centre of drive axle to fork	Х	30 in
1.9	Wheelbase	у	81 in
	Weight		
2.1	Service weight		18221 lb
2.2	Weight on front axle (laden) / rear axle (laden)		25607 lb / 3660 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		7242 lb / 11001 lb
	Wheels		
3.1	Tires type		Pneumatic
3.2	Dimensions of front wheels		18-19,5 18PR A324
3.3	Dimensions of rear wheels		10R17,5 G291 GY
3.5	Number of front wheels / rear wheels		2/2
3.5.2	Number of drive wheels		2
3.6	Front wheel gauge	b10	63 in
3.7	Rear wheel gauge	b11	65 in
0.7	Dimensions	511	00 III
4.7	Height of overhead guard (cabin)	h6	97 in
4.7	Seat height/stand height	h7	57 in
4.19	Overall length	11	195 in
4.19	Length to face of forks	12	148 in
4.21	Overall width	b1	81 in
4.21	Forks section x width x length	s / e / l	2 in x 6 in / 47 in
4.22	Fork carriage ISO 2328 (class/form) A/B	3/6/1	4A
4.23	Fork carriage width	b3	66 in
4.24	Ground clearance below mast	m1	10 in
4.31			
4.34	Ground clearance at centre of wheelbase	m2	12 in 222 in
	Aisle width for 800 x 1200 pallet lengthways	Ast	
4.35	Tuming radius	Wa	136 in
F 1	Performances Travel consider (webster)		C 115 1
5.1	Travel speed (laden / unladen)		6 mph / 15 mph
5.2	Lifting speed (laden / unladen)		1 ft/s / 1 ft/s
5.3	Lowering speed (laden / unladen)		1 ft/s / 0.98 ft/s
5.5	Drawbar pull (Laden)		6900 daN
5.10	Service brake		Hydraulic
	Engine		
7.2	Engine power according to ISO 1585		55 kW
7.1	Engine brand / model		Perkins / 854F-E34T WF
7.2	Engine power according to ISO 1585		55 kW
7.3	Rated speed		2200 rpm
7.4	Number of cylinders		4
	Miscellaneous		
8.2	Working hydraulic pressure for attachments		3336 PSI
8.3	Oil flow rate for attachments		26 US gpm
8.4	Sound level at the driver's ear according to DIN 12 053		76 dB

## M 50-2 - Dimensional drawing



## Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 30	FVD 33	FVD 35	FVD 37	FVD 40	FVD 45	FVD 50
Mast/fork carriage tilt, forward	۰	15	15	15	15	15	15	15
Mast/fork carriage tilt, backward	۰	15	15	15	15	15	15	15
h1 - Mast lowered height	in	100.8	106.7	110.6	114.6	120.5	130.1	140.2
h4 - Mast extended height	in	162	173.8	181.7	189.6	201.4	221.1	240.7
Residual capacity at max height	lb	11023	11023	11023	11023	11023	11023	8818
Residual capacity with integrated side shift at max heigth	lb	10362	10362	10362	10362	10362	10362	7937
Height at max capacity	in	98.4	98.4	98.4	98.4	98.4	98.4	98.4

Free Lift Triplex (FLT)		FLT 37	FLT 40	FLT 43	FLT 45	FLT 47	FLT 50	FLT 55	FLT 60
Mast/fork carriage tilt, forward	٠	15	15	15	15	15	15	15	15
Mast/fork carriage tilt, backward	۰	15	15	15	15	15	15	15	15
h1 - Mast lowered height	in	90.9	94.9	98.8	101.8	104.1	108.7	114.6	121.5
h2 - Mast free lift	in	49.8	53.7	57.7	60.6	63	67.5	73.4	80.3
h4 - Mast extended height	in	189.2	201	212.8	220.7	228.6	240.4	260	279.7
Residual capacity at max height	lb	11023	11023	10362	10141	9480	9811	10141	9811
Residual capacity with integrated side shift at max heigth	lb	9921	9921	8818	7937	7716	4409	3968	1984
Height at max capacity	in	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4





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