

Technical sheet :

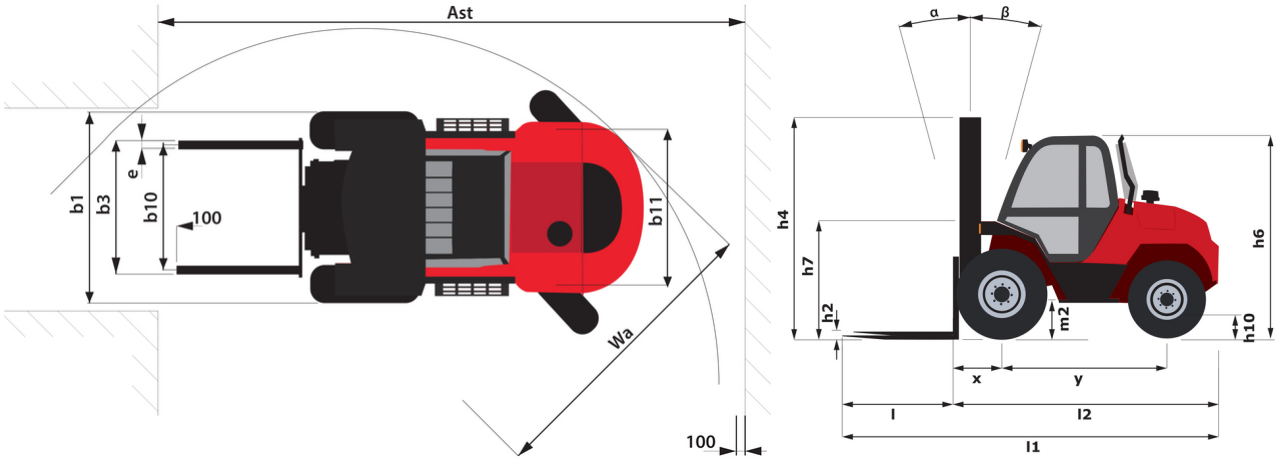
M 30-2



 **MANITOU**
HANDLING YOUR WORLD

	Technical characteristics		Imperial
1.1	Manufacturer		Manitou
1.2	Model Name		M 30-2
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	6614 lb
1.6	Load center of gravity	c	20 in
1.8	Load distance, centre of drive axle to fork	x	29 in
1.9	Wheelbase	y	79 in
	Weight		
2.1	Service weight		13118 lb
2.2	Weight on front axle (laden) / rear axle (laden)		16568 lb / 3164 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		5214 lb / 7904 lb
	Wheels		
3.1	Tires type		Pneumatic
3.2	Dimensions of front wheels		14,5R20 18PR MPT80
3.3	Dimensions of rear wheels		10R17,5 134/132 G291
3.5	Number of front wheels / rear wheels		2 / 2
3.5.2	Number of drive wheels		2
3.6	Front wheel gauge	b10	61 in
3.7	Rear wheel gauge	b11	62 in
	Dimensions		
4.7	Height of overhead guard (cabin)	h6	99 in
4.8	Seat height/stand height	h7	58 in
4.19	Overall length	l1	185 in
4.20	Length to face of forks	l2	138 in
4.21	Overall width	b1	76 in
4.22	Forks section x width x length	s / e / l	2 in x 5 in / 47 in
4.23	Fork carriage ISO 2328 (class/form) A/B		3
4.24	Fork carriage width	b3	58 in
4.31	Ground clearance below mast	m1	18 in
4.32	Ground clearance at centre of wheelbase	m2	17 in
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	211 in
4.35	Turning radius	Wa	127 in
	Performances		
5.1	Travel speed (laden / unladen)		6 mph / 14 mph
5.2.1	Lifting speed (unladen)		0.98 ft/s
5.3.1	Lowering speed (unladen)		1 ft/s
5.5	Drawbar pull (Laden)		4670 daN
5.7	Gradeability (laden / unladen)		14 % / 21 %
5.10	Service brake		Hydraulic
	Engine		
7.2	Engine power according to ISO 1585		55 kW
7.1	Engine brand / model		Perkins / 854F-E34T 54009.1
7.2	Engine power according to ISO 1585		55 kW
7.3	Rated speed		2200 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 207 in³
	Miscellaneous		
8.2	Working hydraulic pressure for attachments		2683 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 30-2 - 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	FVD 55
Mast/fork carriage tilt, forward	°	6	6	6	6	6	6	6	6
Mast/fork carriage tilt, backward	°	12	12	12	12	12	12	12	12
h1 - Mast lowered height	in	93.5	99.4	103.3	109.6	117.1	127	136.8	146.7
h2 - Mast free lift	in	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
h4 - Mast extended height	in	162	173.8	181.7	189.6	201.4	221.1	240.7	260.4
Residual capacity at max height	lb	6614	6614	6614	6614	6614	6393		
Residual capacity with integrated side shift at max height	lb	6614	6614	6614	6614	6614			
Height at max capacity	in	98.4	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 47	FLT 50	FLT 55	FLT 60	FLT 65	FLT 70
Mast/fork carriage tilt, forward	°	6	6	6	6	6	6	6	6	6
Mast/fork carriage tilt, backward	°	12	12	12	12	12	12	12	12	12
h1 - Mast lowered height	in	89.6	93.5	99.4	103.3	109.6	117.1	127	136.8	146.7
h2 - Mast free lift	in	50.5	54.4	60.4	64.3	70.6	78.1	87.9	97.8	107.6
h4 - Mast extended height	in	186.3	198.1	209.9	225.7	237.5	257.2	276.9	296.5	316.2
Residual capacity at max height	lb	661	6614	6614	6173	5732	4409	3968	2976	2205
Residual capacity with integrated side shift at max height	lb	6614	6614							
Height at max capacity	in	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4

Full Visibility Triplex (FVT)		FVT 55	FVT 67
Mast/fork carriage tilt, forward	°	6	6
Mast/fork carriage tilt, backward	°	12	12
h1 - Mast lowered height	in	120.3	136
h4 - Mast extended height	in	264.8	312
Residual capacity at max height	lb	2756	
Height at max capacity	in	98.4	98.4



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