Technical sheet :

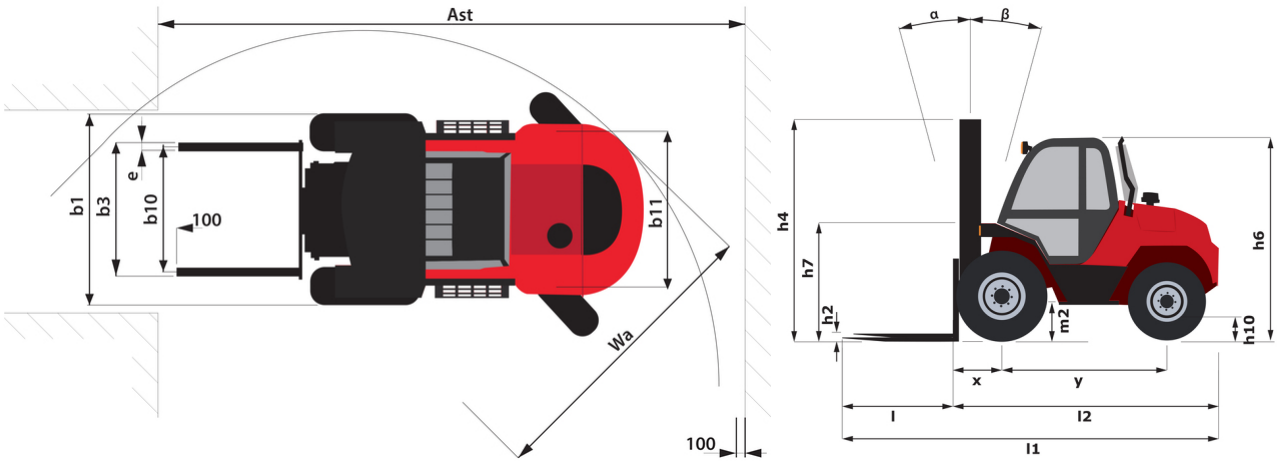
M 30-2



MANITOU
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	Technical characteristics		Metric	Imperial
1.1	Manufacturer		Manitou	Manitou
1.2	Model Name		M 30-2	M 30-2
1.3	Power source		Diesel	Diesel
1.4	Operator type		Sitting	Sitting
1.5	Max. capacity	Q	3000 kg	6614 lb
1.6	Load center of gravity	c	500 mm	20 in
1.8	Load distance, centre of drive axle to fork	x	747 mm	29 in
1.9	Wheelbase	y	1995 mm	79 in
	Weight			
2.1	Service weight		5950 kg	13118 lb
2.2	Weight on front axle (laden) / rear axle (laden)		7515 kg / 1435 kg	16568 lb / 3164 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		2365 kg / 3585 kg	5214 lb / 7904 lb
	Wheels			
3.1	Tires type		Pneumatic	Pneumatic
3.2	Dimensions of front wheels		14,5R20 18PR MPT80	14,5R20 18PR MPT80
3.3	Dimensions of rear wheels		10R17,5 134/132 G291	10R17,5 134/132 G291
3.5	Number of front wheels / rear wheels		2 / 2	2 / 2
3.5.2	Number of drive wheels		2	2
3.6	Front wheel gauge	b10	1550 mm	61 in
3.7	Rear wheel gauge	b11	1570 mm	62 in
	Dimensions			
4.7	Height of overhead guard (cabin)	h6	2507 mm	99 in
4.8	Seat height/stand height	h7	1484 mm	58 in
4.19	Overall length	l1	4701 mm	185 in
4.20	Length to face of forks	l2	3501 mm	138 in
4.21	Overall width	b1	1923 mm	76 in
4.22	Forks section x width x length	s / e / l	40 mm x 125 mm / 1200 mm	2 in x 5 in / 47 in
4.23	Fork carriage ISO 2328 (class/form) A/B		3	3
4.24	Fork carriage width	b3	1470 mm	58 in
4.31	Ground clearance below mast	m1	460 mm	18 in
4.32	Ground clearance at centre of wheelbase	m2	440 mm	17 in
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	5360 mm	211 in
4.35	Turning radius	Wa	3220 mm	127 in
	Performances			
5.1	Travel speed (laden / unladen)		10 km/h / 22 km/h	6 mph / 14 mph
5.2.1	Lifting speed (unladen)		0.30 m/s	0.98 ft/s
5.3.1	Lowering speed (unladen)		0.40 m/s	1 ft/s
5.5	Drawbar pull (Laden)		4670 daN	4670 daN
5.7	Gradeability (laden / unladen)		14 % / 21 %	14 % / 21 %
5.10	Service brake		Hydraulic	Hydraulic
	Engine			
7.2	Engine power according to ISO 1585		55 kW	55 kW
7.1	Engine brand / model		Perkins / 854F-E34T 54009.1	Perkins / 854F-E34T 54009.1
7.2	Engine power according to ISO 1585		55 kW	55 kW
7.3	Rated speed		2200 rpm	2200 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 3400 cm³	4 - 207 in³
	Miscellaneous			
8.2	Working hydraulic pressure for attachments		185 bar	2683 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 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 (mm)	93.5 (2375)	99.4 (2525)	103.3 (2625)	109.6 (2785)	117.1 (2975)	127 (3225)	136.8 (3475)	146.7 (3725)
h2 - Mast free lift	in (mm)	12.2 (310)	12.2 (310)	12.2 (310)	12.2 (310)	12.2 (310)	12.2 (310)	12.2 (310)	12.2 (310)
h4 - Mast extended height	in (mm)	162 (4115)	173.8 (4415)	181.7 (4615)	189.6 (4815)	201.4 (5115)	221.1 (5615)	240.7 (6115)	260.4 (6615)
Residual capacity at max height	lb (kg)	6614 (3000)	6614 (3000)	6614 (3000)	6614 (3000)	6614 (3000)	6393 (2900)		
Residual capacity with integrated side shift at max heigth	lb (kg)	6614 (3000)	6614 (3000)	6614 (3000)	6614 (3000)	6614 (3000)			
Height at max capacity	in (mm)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)

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 (mm)	89.6 (2275)	93.5 (2375)	99.4 (2525)	103.3 (2625)	109.6 (2785)	117.1 (2975)	127 (3225)	136.8 (3475)	146.7 (3725)
h2 - Mast free lift	in (mm)	50.5 (1283)	54.4 (1382)	60.4 (1533)	64.3 (1633)	70.6 (1793)	78.1 (1983)	87.9 (2233)	97.8 (2483)	107.6 (2733)
h4 - Mast extended height	in (mm)	186.3 (4732)	198.1 (5032)	209.9 (5332)	225.7 (5732)	237.5 (6032)	257.2 (6532)	276.9 (7032)	296.5 (7532)	316.2 (8032)
Residual capacity at max height	lb (kg)	661 (300)	6614 (3000)	6614 (3000)	6173 (2800)	5732 (2600)	4409 (2000)	3968 (1800)	2976 (1350)	2205 (1000)
Residual capacity with integrated side shift at max heigth	lb (kg)	6614 (3000)	6614 (3000)							
Height at max capacity	in (mm)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)	98.4 (2500)

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 (mm)	120.3 (3055)	136 (3455)
h4 - Mast extended height	in (mm)	264.8 (6725)	312 (7925)
Residual capacity at max height	lb (kg)	2756 (1250)	
Height at max capacity	in (mm)	98.4 (2500)	98.4 (2500)

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