

Technical sheet :

# **M 30-2**

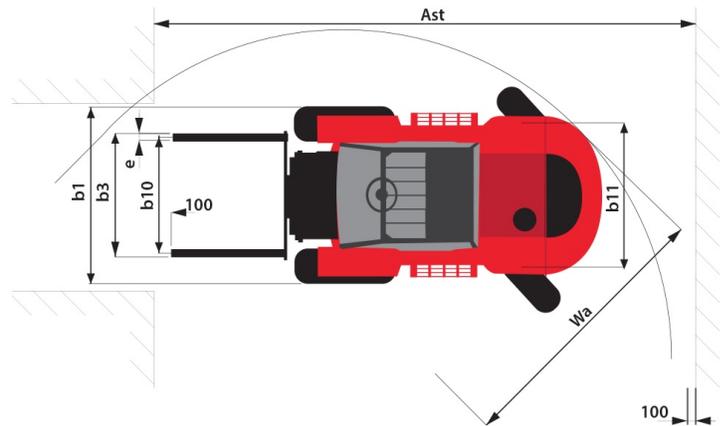
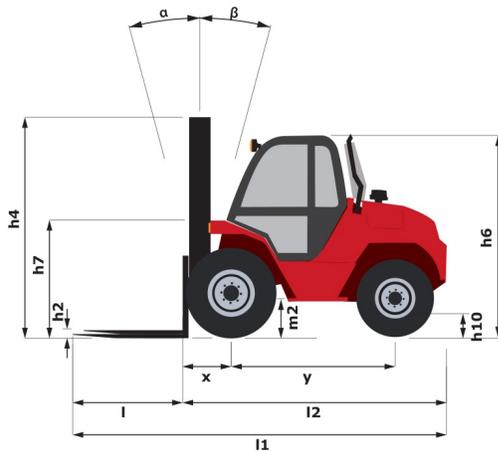
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Technical characteristics			Metric	Imperial
1.1	Manufacturer		Manitou	Manitou
1.2	Model Name		M 30-2	M 30-2
1.3	Power source		Diesel	Diesel
1.4	Operator type		Seated	Seated
1.5	Max. capacity	Q	3000 kg	6614 lbs
1.6	Load centre of gravity	c	500 mm	19.685 in
1.8	Load distance, centre of drive axle to fork	x	747 mm	29.409 in
1.9	Wheelbase	y	1995 mm	78.543 in
Weight				
2.1	Service Weight		5950 kg	13118 lbs
2.2	Weight on front axle (laden) / rear axle (laden)		7515 kg / 1435 kg	16568 lbs / 3164 lbs
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		2365 kg / 3585 kg	5214 lbs / 7904 lbs
Wheels				
3.1	Tyres 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
3.2	Number of drive wheels		2	2
3.6	Front wheel gauge	b10	1550 mm	61.024 in
3.7	Rear wheel gauge	b11	1570 mm	61.811 in
Dimensions				
4.1	Tilt of Mast Forward (deg) / Backward (deg)	$\alpha / \beta$	6 / 12	6 / 12
4.7	Height of overhead guard (cabin)	h6	2507 mm	98.701 in
4.7	Overall height of standard overhead guard	h6	2507 mm	98.701 in
4.8	Seat height/stand height	h7	1484 mm	58.425 in
4.12	Height of towing bar (coupling height)	h10	735 mm	28.937 in
4.19	Overall length	l1	4701 mm	185.079 in
4.20	Length to face of forks	l2	3501 mm	137.835 in
4.21	Overall width	b1	1923 mm	75.709 in
4.22	Forks section / width / length	s / e / l	40 mm x 125 mm x 1200 mm	1.575 in x 4.921 in x 47.244 in
4.23	Fork carriage ISO 2328 (class/form) A/B		3	3
4.24	Fork carriage width	b3	1470 mm	57.874 in
4.31	Ground clearance below mast	m1	460 mm	18.11 in
4.32	Ground clearance at centre of wheelbase	m2	440 mm	17.323 in
4.33	Aisle width for 1000 x 1200 pallet widthways	Ast	5360 mm	211.024 in
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	5360 mm	211.024 in
4.35	Turning radius	Wa	3220 mm	126.772 in
4.36	Internal turning radius (over tyres)	b13	300 mm	11.811 in
Performances				
5.1	Travel speed (laden / unladen)		10 km/h / 22 km/h	6.2 mph / 13.7 mph
5.2	Lifting speed (unladen)		0.3 m/s	0.98 ft/s
5.3	Lowering speed (unladen)		0.4 m/s	1.31 ft/s
5.5	Drawbar pull (Laden)		4670 daN	4670 daN
5.7	Gradeability - laden / unladen		14 % / 21 %	14 % / 21 %

Performances				
5.9	Service brake		Hydraulic	Hydraulic
Engine				
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 tr/min	2200 tr/min
7.4	Number of cylinders / Capacity of cylinders		4 - 3400 cm <sup>3</sup>	4 - 207.48 in <sup>3</sup>
	Fuel consumption according to VDI cycle		6.2 l/h	6.2 l/h
Miscellaneous				
8.2	Working hydraulic pressure for attachments (bar)		185 Bar	13 PSI
8.3	Oil flow rate for attachments		97 l/min	97 l/min
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 76 dB(A)	< 76 dB(A)

## Dimensional drawing



## Characteristics of masts and residual capacities

Full Visibility Duplex		FVD 30	FVD 33	FVD 35	FVD 37	FVD 40	FVD 45	FVD 50	FVD 55
h2 - Free lift	mm	310	310	310	310	310	310	310	310
h1 - Height mast Lowered	mm	2375	2525	2625	2785	2975	3225	3475	3725
h3 - Lifting Height	mm	3000	3300	3500	3700	4000	4500	5000	5500
h4 - Height mast extended	mm	4115	4415	4615	4815	5115	5615	6115	6615
α / β - Mast inclination (front / rear)	°	6 / 12	6 / 12	6 / 12	6 / 12	6 / 12	6 / 12	6 / 12	6 / 12
Residual capacity at max height	kg	3000	3000	3000	3000	3000	2900		
Residual capacity without attachment (Industrial load chart)	kg	3000	3000	3000	3000	3000	2900		
Residual capacity with integrated side shift (Industrial load chart)	kg	3000	3000	3000	3000	3000			

Free Lift Triplex		FLT 37	FLT 40	FLT 43	FLT 47	FLT 50	FLT 55	FLT 60	FLT 65	FLT 70
h2 - Free lift	mm	1283	1382	1533	1633	1793	1983	2233	2483	2733
h1 - Height mast Lowered	mm	2275	2375	2525	2625	2785	2975	3225	3475	3725
h3 - Lifting Height	mm	3700	4000	4300	4700	5000	5500	6000	6500	7000
h4 - Height mast extended	mm	4732	5032	5332	5732	6032	6532	7032	7532	8032
α / β - Mast inclination (front / rear)	°	6 / 12	6 / 12	6 / 12	6 / 12	6 / 12	6 / 12	6 / 12	6 / 12	6 / 12
Residual capacity at max height	kg	3000	3000	3000	2800	2600	2000	1800	1350	1000
Residual capacity without attachment (Industrial load chart)	kg	300	3000	3000	2800	2600	2000	1800	1350	1000
Residual capacity with integrated side shift (Industrial load chart)	kg	3000	3000							

Full Visibility Triplex		FVT 55	FVT 67
h2 - Free lift	mm	0	0
h1 - Height mast Lowered	mm	3055	3455
h3 - Lifting Height	mm	5500	6700
h4 - Height mast extended	mm	6725	7925
α / β - Mast inclination (front / rear)	°	6 / 12	6 / 12
Residual capacity at max height	kg	1250	
Residual capacity without attachment (Industrial load chart)	kg	1250	



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