

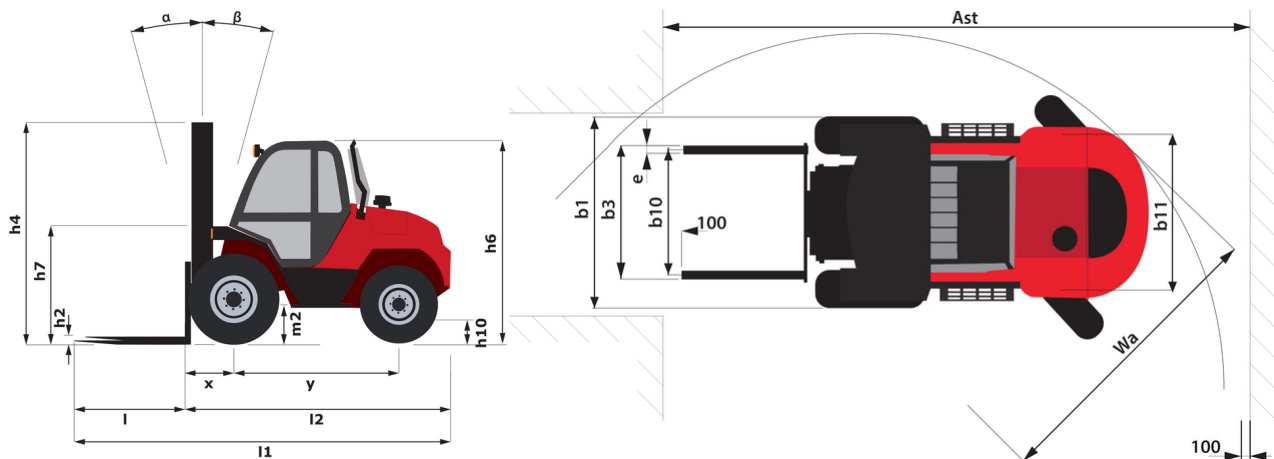
Technical sheet :

# M 30-2



Technical characteristics		Metric	
1.1	Manufacturer		Manitou
1.2	Model Name		M 30-2
1.3	Power source		Diesel
1.4	Operator type		Sitting
1.5	Max. capacity	Q	3000 kg
1.6	Load centre of gravity	c	500 mm
1.8	Load distance, centre of drive axle to fork	x	747 mm
1.9	Wheelbase	y	1995 mm
Weight			
2.1	Service weight		5950 kg
2.2	Weight on front axle (laden) / rear axle (laden)		7515 kg / 1435 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		2365 kg / 3585 kg
Wheels			
3.1	Tyres 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	1550 mm
3.7	Rear wheel gauge	b11	1570 mm
Dimensions			
4.1	Tilt of Mast Forward (deg) / Backward (deg)	$\alpha / \beta$	6 / 12
4.7	Height of overhead guard (cabin)	h6	2507 mm
4.8	Seat height/stand height	h7	1484 mm
4.19	Overall length	l1	4701 mm
4.20	Length to face of forks	l2	3501 mm
4.21	Overall width	b1	1923 mm
4.22	Forks section x width x length	s / e / l	40 mm x 125 mm / 1200 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		3
4.24	Fork carriage width	b3	1470 mm
4.31	Ground clearance below mast	m1	460 mm
4.32	Ground clearance at centre of wheelbase	m2	440 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	5360 mm
4.35	Turning radius	Wa	3220 mm
Performances			
5.1	Travel speed (laden / unladen)		10 km/h / 22 km/h
5.2.1	Lifting speed (unladen)		0.30 m/s
5.3.1	Lowering speed (unladen)		0.40 m/s
5.5	Drawbar pull (Laden)		4670 daN
5.7	Gradeability (laden / unladen)		14 % / 21 %
5.10	Service brake		Hydraulic
Engine			
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 - 3400 cm <sup>3</sup>
Miscellaneous			
8.2	Working hydraulic pressure for attachments		185 bar
8.3	Oil flow rate for attachments		97 l/min
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

Duplex with total visibility		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
h4 - Height mast extended *	mm	4115	4415	4615	4815	5115	5615	6115	6615
h3 - Max. lifting height	mm	7000	7000	7000	7000	7000	7000	7000	7000
$\alpha / \beta$ - 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			
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
h4 - Height mast extended *	mm	4732	5032	5332	5732	6032	6532	7032	7532	8032
h3 - Max. lifting height	mm	7000	7000	7000	7000	7000	7000	7000	7000	7000
$\alpha / \beta$ - 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							

Triplex with total visibility		FVT 55	FVT 67
h2 - Free lift	mm	0	0
h1 - Height mast lowered *	mm	3055	3455
h4 - Height mast extended *	mm	6725	7925
h3 - Max. lifting height	mm	7000	7000
$\alpha / \beta$ - 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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