Technical sheet

MC 30-2

Masted Forklift Trucks

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	Technical characteristics	Metric	Imperial
1.1	Manufacturer	Manitou	Manitou
1.2	Model	MC 30-2	MC 30-2
1.3	Type of traction	Diesel	Diesel
1.4	Type of operation	Seated	Seated
1.5	Q - Rated capacity	3000 kg	6614 lbs
1.6	c - Center of gravity of load	500 mm	1 in
1.8	x - Distance from the load bearing surface to the centre of the front axle	626 mm	2 ft
1.9	y - Wheelbase	1900 mm	6 ft
	Weight		
2.1	Weight of truck in working order	4355 kg	9601 lbs
2.2	Laden weight on front/rear axle	6435 kg / 920 kg	14187 lbs / 2028 lbs
2.3	Unladen weight on front/rear axle	1660 kg / 2695 kg	3660 lbs / 5941 lbs
	Wheels		
3.1	Tyre equipment: bandage (V), PPS (SE), inflatable tyre (L)	L	L
3.2	Size of front wheels	15.2/80-18/12SLR4	-
3.5	Number of front wheels (x	2x / 2	2x / 2
3.6	b10 - Front track	1.16 mm	3 in
3.7	b11 - Rear track	1.11 mm	3 in
	Dimensions		
4.1	α / β - Front/Rear mast angle	10 ° / 12 °	10 ° / 12 °
4.2	h1 - Height (mast lowered)	1990 mm	6 ft 6 in
4.3	h2 - Free lift	90 mm	0.48 in
4.4	h3 - Lift height (Duplex mast)	3300 mm	10 ft 1 in
4.5	h4 - Height of extended mast	4161 mm	13 ft 1 in
4.7	h6 - Height of driver protection (cab)	2155 mm	7 ft
4.8	h7 - Height of seat	1034 mm	3 ft 1 in
4.19	l1 - Total length	4235 mm	13 ft 1 in
4.20	l2 - Length to fork heel	3085 mm	10 ft
4.21	b1 - Overall width - Singe/twinned wheels	1450 mm / -	4 ft 1 in / -
4.22	e / s / l - Fork dimensions	1150 X 122 X 45	3.09 x 0.05 x 0.02
4.23	Fork carriage to DIN 15173 A/B	FEM 3A	FEM 3A
4.24	b3 - Width of fork clamp	1260 mm	4 ft
4.31	m1 - Ground clearance under mast	300 mm	1 ft
4.33	Ast - Aisle width for 1000 x 1200 pallet widthwise	4626 mm	15 ft
4.35	Wa - Turning radius	2650 mm	8 ft 1 in
	Performances		
5.1	Speed of travel laden / unladen	12 km/h / 25 km/h	7.50 mph / 15.50 mph
5.2	Lifting speed laden / unladen	0.47 m/s / 0.46 m/s	1.07 ft/s / 1.06 ft/s
5.3	Lowering speed laden / unladen	0.50 m/s / 0.30 m/s	1.08 ft/s / 1 ft/s
5.5	Nominal pulling force laden / unladen	1150 daN / 1720 daN	2585.30 lbf / 3866.70 lbf
5.7	Maximum ramp laden / unladen	23 % / 26 %	23 % / 26 %
5.10	Service brake	Hydraulic	Hydraulic
	Engine		
7.1	Engine manufacturer / Type	Kubota / Stage 3A	Kubota / Stage 3A
7.2	Useful power	36.50 kW	36.50 kW
7.3	Rated speed	2700 rpm	2700 rpm
7.4	Number of pistons / Capacity	4 / 2434 cm³	4 /
7.5	Fuel consumption according to VDI cycle	5.30 l/h	1.40 gph
	Miscellaneous		
8.3	Oil flow rate for attachments	57 l/min	15.06 gpm

Dimensional drawings

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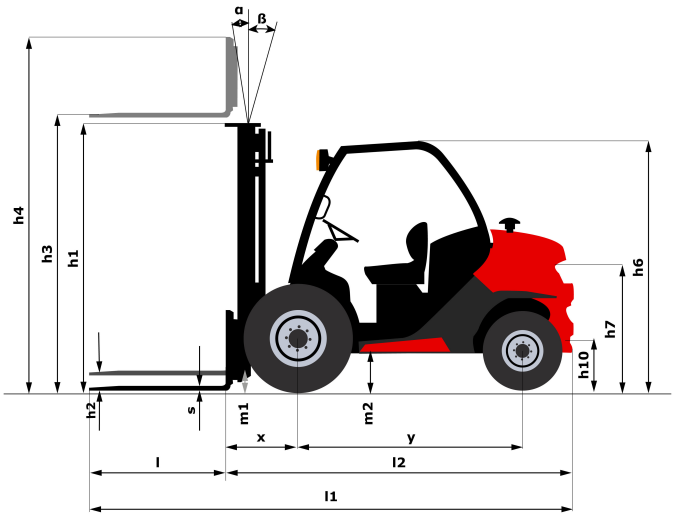

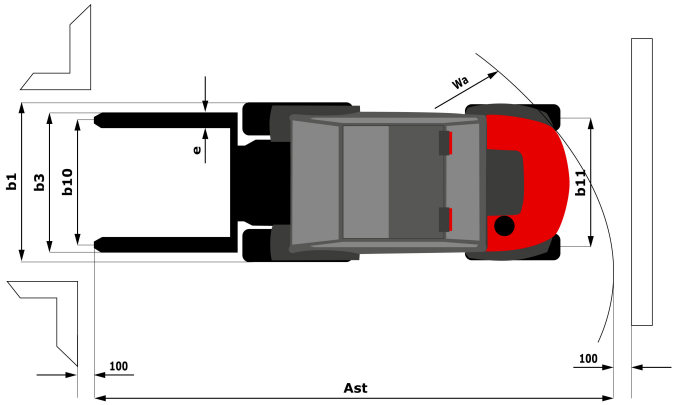

Characteristics of masts and residual capacities

Full Visibility Duplex		FVD30	FVD35	FVD40	FVD55	FVD60
Lift height	mm	3000	3500	4000	5500	6000
Height (mast lowered)	mm	2190	2440	2790	3540	3830
Free lift	mm	90	90	90	90	90
Height of extended mast	mm	3938	4438	4938	6438	6938
Residual Capacity without attachment (Industrial load chart)	kg	3000				
Forward/backward mast tilt angle	°	10 / 12		10 / 12	6 / 6	6 / 6

Duplex Total Visibility		FVD 33	FVD 37	FVD 45
Lift height	mm	3300	3700	4500
Height (mast lowered)	mm	2340	2600	3040
Free lift	mm	90	90	90
Height of extended mast	mm	4238	4638	5438
Forward/backward mast tilt angle	°	10 / 12	10 / 12	10 / 12

Free Lift Triplex		FLT60	FLT65	FLT70
Lift height	mm	6000	6500	7000
Height (mast lowered)	mm	3040	3290	3540
Free lift	mm	2242	2492	2742
Height of extended mast	mm	6845	7345	7845
Forward/backward mast tilt angle	°	6 / 6	6 / 6	6 / 6

Triplex Without Free Lift		FVD50
Lift height	mm	5000
Height (mast lowered)	mm	3290
Free lift	mm	90
Height of extended mast	mm	5938
Forward/backward mast tilt angle	°	6 / 6

Triplex Free Lift		FLT 37	FLT 40	FLT 43	FLT 47	FLT 50	FLT 55
Lift height	mm	3700	4000	4300	4700	5000	5500
Height (mast lowered)	mm	2090	2190	2340	2440	2600	2790
Free lift	mm	1292	1392	1542	1642	1802	1992
Height of extended mast	mm	4545	4845	5145	5545	5845	6345
Forward/backward mast tilt angle	°	10 / 12	10 / 12	10 / 12	10 / 12	6 / 6	6 / 6

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