

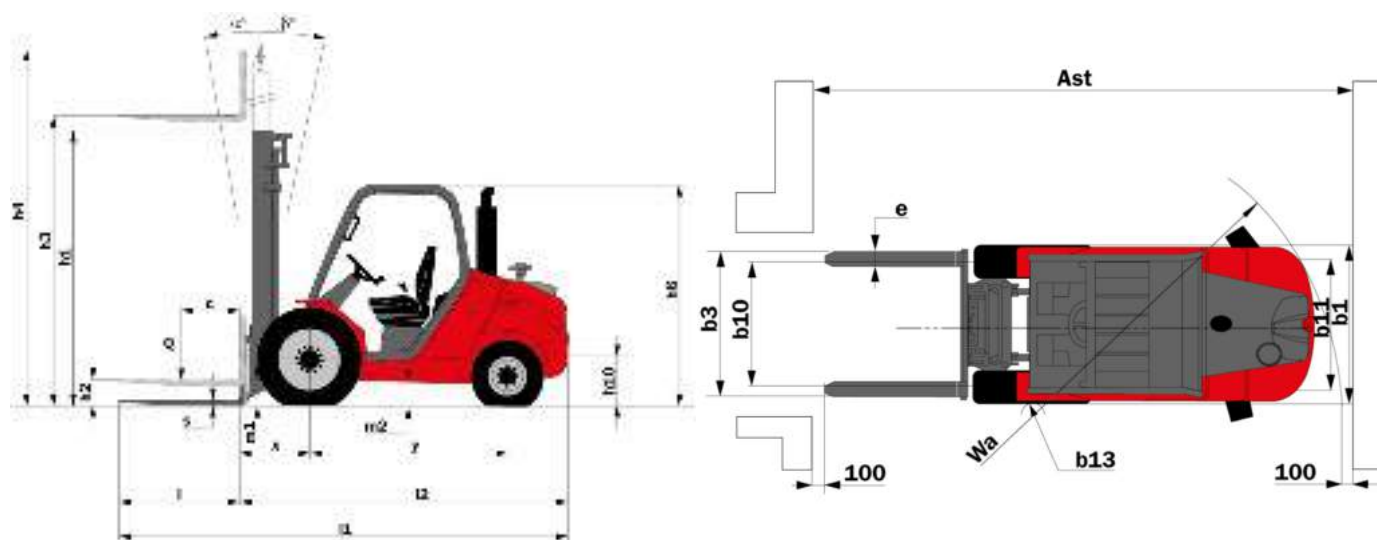
Technical sheet

MSI 30

Masted Forklift Trucks



	Technical characteristics	Metric
1.1	Manufacturer	Manitou
1.2	Model	MSI 30
1.3	Type of traction	Diesel
1.4	Type of operation	Seated
1.5	Q - Rated capacity	3000 kg
1.8	x - Distance from the load bearing surface to the centre of the front axle	630 mm
1.9	y - Wheelbase	1800 mm
	Weight	
2.1	Weight of truck in working order	4704 kg
2.2	Laden weight on front/rear axle	6782 kg / 925 kg
2.3	Unladen weight on front/rear axle	1900 kg / 2805 kg
	Wheels	
3.1	Tyre equipment: bandage (V), PPS (SE), inflatable tyre (L)	L
3.5	Number of front wheels (x)	2x / 2
	Dimensions	
4.2	h1 - Height (mast lowered)	2300 mm
4.3	h2 - Free lift	135 mm
4.5	h4 - Height of extended mast	4193 mm
4.19	l1 - Total length	4080 mm
4.20	l2 - Length to fork heel	2980 mm
4.21	b1 - Overall width - Single/twinned wheels	1320 mm / -
4.23	Fork carriage to DIN 15173 A/B	FEM 3A
4.24	b3 - Width of fork clamp	1260 mm
4.33	Ast - Aisle width for 1000 x 1200 pallet widthwise	4560 mm
4.34	Ast - Aisle width for 800 x 1200 pallet lengthwise	4660 mm
4.35	Wa - Turning radius	2580 mm
	Performances	
5.1	Speed of travel laden / unladen	20 km/h / 20 km/h
5.5	Nominal pulling force laden / unladen	- / 1922 daN
5.7	Maximum ramp laden / unladen	24 % / 29 %
5.10	Service brake	Hydraulic
	Engine	
7.1	Engine manufacturer / Type	Kubota - V2403 M TE3 / Stage 3A
7.2	Useful power	36 kW
7.4	Number of pistons / Capacity	4 / 2434 cm ³
	Miscellaneous	
8.2	Working hydraulic pressure for attachments	185 bar
8.3	Oil flow rate for attachments	77 l/min



Characteristics of masts and residual capacities

Duplex Total Visibility		FVD 30	FVD 33	FVD 35	FVD 37	FVD 40	FVD 45	FVD 50	FVD 55	FVD 60
Lift height	mm	3000	3300	3500	3700	4000	4500	5000	5500	6000
Height (mast lowered)	mm	2150	2300	2400	2560	2750	3000	3250	3500	3790
Free lift	mm	135	135	135	135	135	135	135	135	135
Height of extended mast	mm	3893	4193	4393	4593	4893	5396	5863	6393	6893
Forward/backward mast tilt angle	°	10 / 12	10 / 12	10 / 12	10 / 12	10 / 12	10 / 12	6 / 6	6 / 6	6 / 6

Triplex Free Lift		FLT 37	FLT 40	FLT 43	FLT 47	FLT 50	FLT 55	FLT 60
Lift height	mm	3700	4000	4300	4700	5000	5500	6000
Height (mast lowered)	mm	2050	2150	2300	2400	2560	2750	3000
Free lift	mm	1297	1397	1547	1647	1807	1997	2247
Height of extended mast	mm	4500	4800	5100	5500	5800	6300	6800
Forward/backward mast tilt angle	°	10 / 12	10 / 12	10 / 12	10 / 12	6 / 6	6 / 6	6 / 6



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