

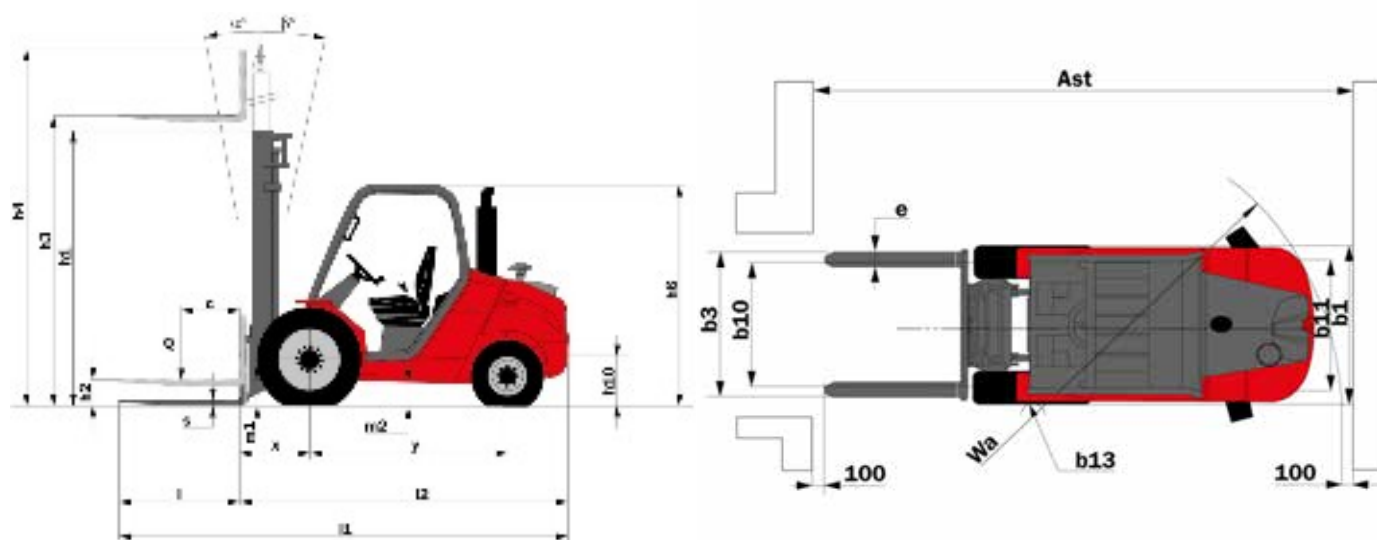
Technical sheet

MSI 40

Masted Forklift Trucks



Technical characteristics		Metric	Imperial
1.1	Manufacturer	Manitou	Manitou
1.2	Model	MSI 40	MSI 40
1.3	Type of traction	Diesel	Diesel
1.5	Q - Rated capacity	4000 kg	8800 lbs
1.8	x - Distance from the load bearing surface to the centre of the front axle	691 mm	2 ft 3 in
1.9	y - Wheelbase	2075 mm	6 ft 10 in
Weight			
2.1	Weight of truck in working order	6980 kg	15356 lbs
2.2	Laden weight on front/rear axle	9245 kg / 1735 kg	20382 lbs / 3825 lbs
2.3	Unladen weight on front/rear axle	3210 kg / 3770 kg	7077 lbs / 8311 lbs
Wheels			
3.1	Tyre equipment: bandage (V), PPS (SE), inflatable tyre (L)	L	L
3.5	Number of front wheels (x)	2x / 2	2x / 2
Dimensions			
4.2	h1 - Height (mast lowered)	2780 mm	9 ft 1 in
4.5	h4 - Height of extended mast	4677 mm	15 ft 4 in
4.19	l1 - Total length	4494 mm	14 ft 9 in
4.20	l2 - Length to fork heel	3290 mm	10 ft 10 in
4.21	b1 - Overall width - Single/twin wheels	1730 mm / -	5 ft 8 in / -
4.23	Fork carriage to DIN 15173 A/B	FEM 3A	FEM 3A
4.24	b3 - Width of fork clamp	1670 mm	5 ft 6 in
4.33	Ast - Aisle width for 1000 x 1200 pallet widthwise	4760 mm	15 ft 7 in
4.34	Ast - Aisle width for 800 x 1200 pallet lengthwise	4900 mm	16 ft 3 in
4.35	Wa - Turning radius	2870 mm	9 ft 5 in
Performances			
5.1	Speed of travel laden / unladen	22 km/h / 22 km/h	13.60 mph / 13.60 mph
5.5	Nominal pulling force laden / unladen	3180 daN / -	/ -
5.7	Maximum ramp laden / unladen	24 % / 29 %	24 % / 29 %
5.10	Service brake	Hydraulic	Hydraulic
Engine			
7.1	Engine manufacturer / Type	Perkins - 854 F 10794 / Stage 3B	Perkins - 854 F 10794 / Stage 3B
7.2	Useful power	55 kW	55 kW
7.4	Number of pistons / Capacity	4 / 3400 cm ³	4 / 207.48 in ³
Miscellaneous			
8.2	Working hydraulic pressure for attachments	230 bar	3336 psi
8.3	Oil flow rate for attachments	103 l/min	27.20 gpm
8.4	Measured/guaranteed mean noise level at the ear of the operator	81 dB(A)	81 dB(A)



Characteristics of masts and residual capacities

Duplex Total Visibility		FVD 30	FVD 33	FVD 35	FVD 37	FVD 40	FVD 45	FVD 50
Lift height	mm	3000	3300	3500	3700	4000	4500	5000
Height (mast lowered)	mm	2425	2575	2675	2775	2925	3175	3425
Height of extended mast	mm	3977	4277	4477	4677	4977	5477	5977

Triplex Free Lift		FLT 37	FLT 40	FLT 43	FLT 45	FLT 47	FLT 50	FLT 55	FLT 60
Lift height	mm	3700	4000	4300	4500	4700	5000	5500	6000
Height (mast lowered)	mm	2175	2275	2375	2450	2510	2625	2775	2950
Free lift	mm	1258	1358	1458	1533	1593	1708	1858	2033
Height of extended mast	mm	4667	4967	5267	5467	5667	5967	6467	6967



Groundwater Lift Trucks Ltd,
Spurryhillock Industrial Estate,
Stonehaven, Aberdeenshire, AB39 2NH
01569 763247
sales@groundwater.uk.com
www.groundwater.uk.com



Siège Social
430 rue de l'Aubinière - 44150 Ancenis Cedex - France
Tel: +33(0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97
www.manitou.com



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