

Technical sheet :

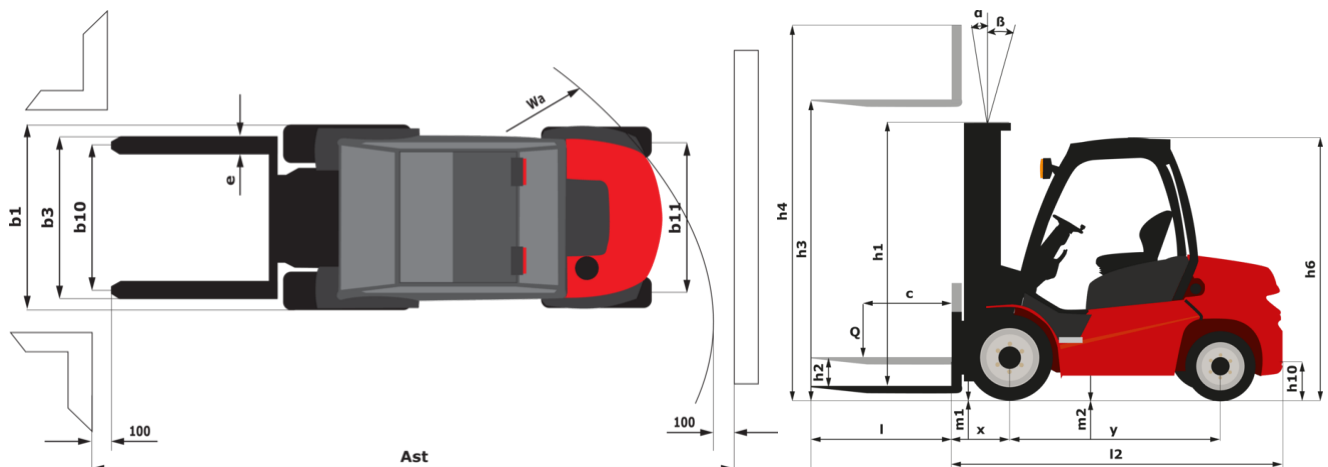
MSI 40



 **MANITOU**
HANDLING YOUR WORLD

Technical characteristics			Metric	Imperial
1.1	Manufacturer		Manitou	Manitou
1.2	Model Name		MSI 40	MSI 40
1.3	Power source		Diesel	Diesel
1.4	Operator type		Seated	Seated
1.5	Max. capacity	Q	4000 kg	8818 lb
1.6	Load center of gravity	c	500 mm	20 in
1.8	Load distance, centre of drive axle to fork	x	691 mm	27 in
1.9	Wheelbase	y	2075 mm	82 in
Weight				
2.1	Service weight		6980 kg	15388 lb
2.2	Weight on front axle (laden) / rear axle (laden)		9245 kg / 1735 kg	20382 lb / 3825 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		3210 kg / 3770 kg	7077 lb / 8311 lb
Wheels				
3.1	Tires type		Pneumatic	Pneumatic
3.2	Dimensions of front wheels		315/70 R22,5	315/70 R22,5
3.3	Dimensions of rear wheels		225/75 R15	225/75 R15
3.5	Number of front wheels / rear wheels		2 / 2	2 / 2
3.5.2	Number of drive wheels		2	2
3.6	Front wheel gauge	b10	1420 mm	56 in
3.7	Rear wheel gauge	b11	1142 mm	45 in
Dimensions				
4.8	Seat height/stand height	h7	1300 mm	51 in
4.12	Height of towing bar (coupling height)	h10	540 mm	21 in
4.19	Overall length	l1	4494 mm	177 in
4.20	Length to face of forks	l2	3294 mm	130 in
4.21	Overall width	b1	1732 mm	68 in
4.22	Forks section / width / length	s / e / l	50 mm x 150 mm x 1200 mm	2 in x 6 in x 47 in
4.23	Fork carriage ISO 2328 (class/form) A/B		3A	3A
4.24	Fork carriage width	b3	1670 mm	66 in
4.31	Ground clearance below mast	m1	185 mm	7 in
4.32	Ground clearance at centre of wheelbase	m2	225 mm	9 in
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	4756 mm	187 in
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	4956 mm	195 in
4.35	Turning radius	Wa	2865 mm	113 in
4.36	Internal turning radius (over tyres)	b13	125 mm	5 in
Performances				
5.1	Travel speed (laden / unladen)		22 km/h-22 km/h	14 mph-14 mph
5.2	Lifting speed (laden / unladen)		0.60 m/s-0.60 m/s	2 ft/s-2 ft/s
5.3	Lowering speed (laden / unladen)		0.40 m/s-0.50 m/s	1 ft/s-2 ft/s
5.5	Drawbar pull (Laden / Unladen)		3180 daN / 2020 daN	3180 daN / 2020 daN
5.7	Gradeability (laden / unladen)		24 % / 29 %	24 % / 29 %
5.10	Service brake		Hydraulic	Hydraulic
Engine				
7.1	Engine brand / model		Perkins / 854 F 10794	Perkins / 854 F 10794
7.2	Engine power according to ISO 1585		55 kW	55 kW
7.3	Rated speed		2200 rpm	2200 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 3400 cm³	4 - 207 in³
Miscellaneous				
8.1	Type of drive control		Hydraulic	Hydraulic
8.2	Working hydraulic pressure for attachments		230 bar	3336 PSI
8.3	Oil flow rate for attachments		45 l/min	12 US gpm
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 81 dB	< 81 dB

MSI 40 - Dimensional drawing



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