

Technical sheet :

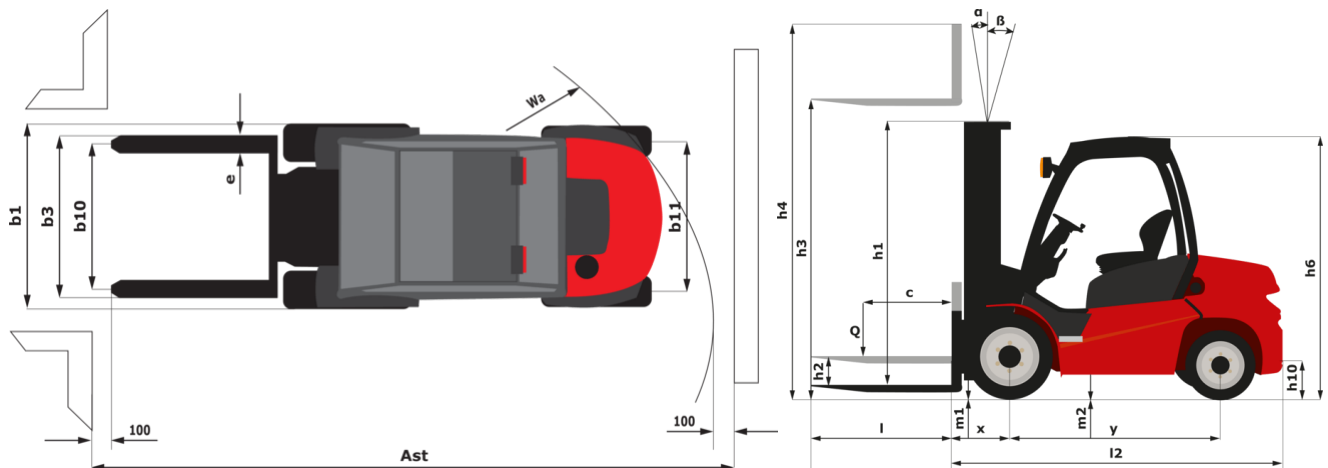
MSI 50



 **MANITOU**
HANDLING YOUR WORLD

	Technical characteristics		Metric	Imperial
1.1	Manufacturer		Manitou	Manitou
1.2	Model Name		MSI 50	MSI 50
1.3	Power source		Diesel	Diesel
1.4	Operator type		Seated	Seated
1.5	Max. capacity	Q	5000 kg	11023 lb
1.6	Load center of gravity	c	600 mm	24 in
1.8	Load distance, centre of drive axle to fork	x	701 mm	28 in
1.9	Wheelbase	y	2075 mm	82 in
	Weight			
2.1	Service weight		8420 kg	18563 lb
2.2	Weight on front axle (laden) / rear axle (laden)		11467 kg / 1953 kg	25280 lb / 4306 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		3489 kg / 4931 kg	7692 lb / 10871 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	4584 mm	180 in
4.20	Length to face of forks	l2	3384 mm	133 in
4.21	Overall width	b1	1732 mm	68 in
4.22	Forks section / width / length	s / e / l	60 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		4A	4A
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	5041 mm	198 in
4.35	Turning radius	Wa	2950 mm	116 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)		0.50 m/s-0.50 m/s	2 ft/s-2 ft/s
5.3	Lowering speed (laden / unladen)		0.40 m/s-0.40 m/s	1 ft/s-1 ft/s
5.5	Drawbar pull (Laden / Unladen)		3350 daN / 2420 daN	3350 daN / 2420 daN
5.7	Gradeability (laden / unladen)		24 % / 26 %	24 % / 26 %
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 50 - Dimensional drawing



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