

Technical sheet :

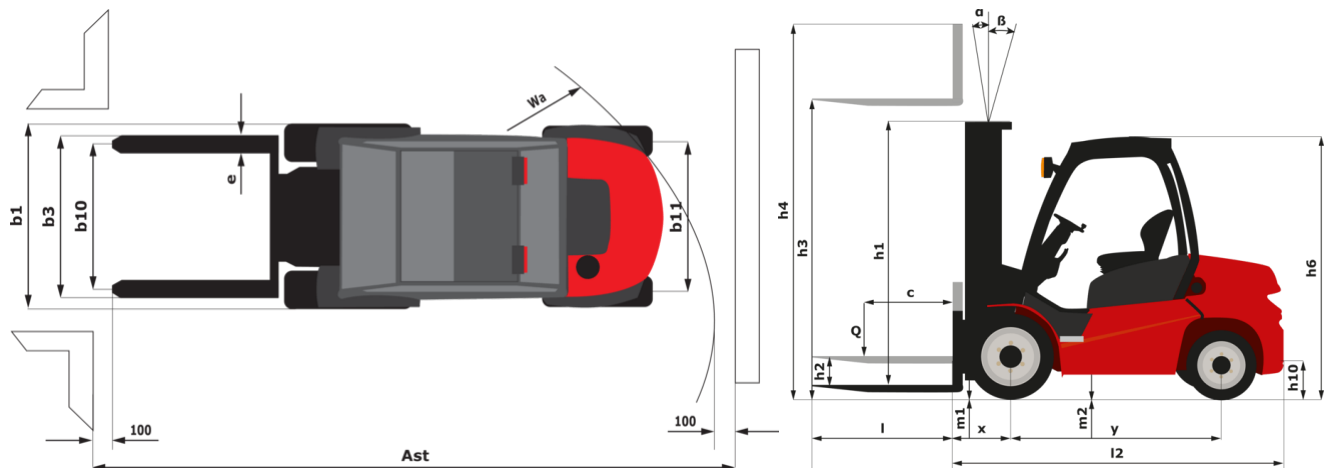
MSI 50



 **MANITOU**
HANDLING YOUR WORLD

	Technical characteristics		Metric
1.1	Manufacturer		Manitou
1.2	Model Name		MSI 50
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	5000 kg
1.6	Load center of gravity	c	600 mm
1.8	Load distance, centre of drive axle to fork	x	701 mm
1.9	Wheelbase	y	2075 mm
	Weight		
2.1	Service weight		8420 kg
2.2	Weight on front axle (laden) / rear axle (laden)		11467 kg / 1953 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		3489 kg / 4931 kg
	Wheels		
3.1	Tires type		Pneumatic
3.2	Dimensions of front wheels		315/70 R22,5
3.3	Dimensions of rear wheels		225/75 R15
3.5	Number of front wheels / rear wheels		2 / 2
3.5.2	Number of drive wheels		2
3.6	Front wheel gauge	b10	1420 mm
3.7	Rear wheel gauge	b11	1142 mm
	Dimensions		
4.8	Seat height/stand height	h7	1300 mm
4.12	Height of towing bar (coupling height)	h10	540 mm
4.19	Overall length	l1	4584 mm
4.20	Length to face of forks	l2	3384 mm
4.21	Overall width	b1	1732 mm
4.22	Forks section / width / length	s / e / l	60 mm x 150 mm x 1200 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		4A
4.24	Fork carriage width	b3	1670 mm
4.31	Ground clearance below mast	m1	185 mm
4.32	Ground clearance at centre of wheelbase	m2	225 mm
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	5041 mm
4.35	Turning radius	Wa	2950 mm
4.36	Internal turning radius (over tyres)	b13	125 mm
	Performances		
5.1	Travel speed (laden / unladen)		22 km/h-22 km/h
5.2	Lifting speed (laden / unladen)		0.50 m/s-0.50 m/s
5.3	Lowering speed (laden / unladen)		0.40 m/s-0.40 m/s
5.5	Drawbar pull (Laden / Unladen)		3350 daN / 2420 daN
5.7	Gradeability (laden / unladen)		24 % / 26 %
5.10	Service brake		Hydraulic
	Engine		
7.1	Engine brand / model / norm		Perkins / 854 F 10794 / Stage IIIB
7.2	I.C. Engine power rating		55 kW
7.3	Rated speed		2200 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 3400 cm³
	Miscellaneous		
8.1	Type of drive control		Hydraulic
8.2	Working hydraulic pressure for attachments		230 bar
8.3	Oil flow rate for attachments		45 l/min
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 81 dB

MSI 50 - Dimensional drawing



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Head Office

B.P. 249 - 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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