Technical sheet :

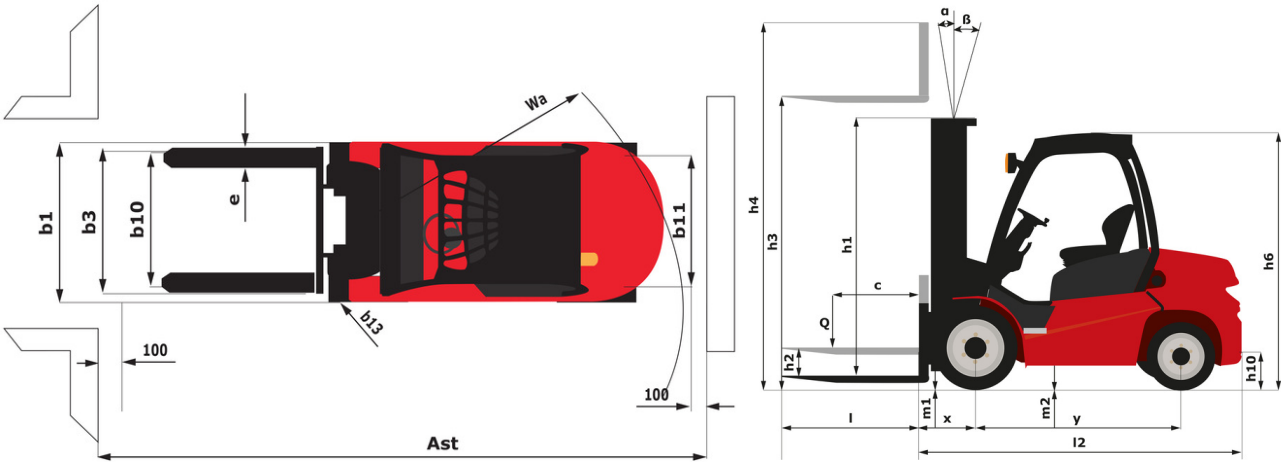
MI 50L G



MANITOU
HANDLING YOUR WORLD

	Technical characteristics		Metric
1.1	Manufacturer		Manitou
1.2	Model Name		MI 50L G
1.3	Power source		Lpg
1.4	Operator type		Sitting
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	598 mm
1.9	Wheelbase	y	2300 mm
	Weight		
2.1	Service weight		8295 kg
2.2	Weight on front axle (laden) / rear axle (laden)		11500 kg / 1795 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		4080 kg / 4215 kg
	Wheels		
3.1	Tires type		Pneumatic
3.2	Dimensions of front wheels		8.25-15-14PR
3.3	Dimensions of rear wheels		8.25-15-14PR
3.5	Number of front wheels / rear wheels		4 / 2
3.5.2	Number of drive wheels		2
3.6	Front wheel gauge	b10	1489 mm
3.7	Rear wheel gauge	b11	1700 mm
	Dimensions		
4.7	Height of overhead guard (cabin)	h6	2430 mm
4.8	Seat height/stand height	h7	1350 mm
4.12	Height of towing bar (coupling height)	h10	710 mm
4.19	Overall length	l1	4719 mm
4.20	Length to face of forks	l2	3499 mm
4.21	Overall width	b1	1990 mm
4.21	Overall width - Twinned wheels	b1	1990 mm
4.22	Forks section / width / length	s / e / l	60 mm x 150 mm x 1220 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		4A
4.24	Fork carriage width	b3	1700 mm
4.31	Ground clearance below mast	m1	190 mm
4.32	Ground clearance at centre of wheelbase	m2	270 mm
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	5157 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	5272 mm
4.35	Turning radius	Wa	3230 mm
4.36	Internal turning radius (over tyres)	b13	1222 mm
	Performances		
5.1	Travel speed (laden / unladen)		30 km/h-31 km/h
5.2	Lifting speed (laden / unladen)		0.47 m/s-0.49 m/s
5.3	Lowering speed (laden / unladen)		0.48 m/s-0.42 m/s
5.5	Drawbar pull (Laden / Unladen)		5900 daN / 2544 daN
5.7	Gradeability (laden)		38 %
5.10	Service brake		Hydraulic
	Engine		
7.1	Engine brand / model		PSI / 4,3L
7.2	Engine power according to ISO 1585		74 kW
7.3	Rated speed		2300 rpm
7.4	Number of cylinders / Capacity of cylinders		6 - 4300 cm³
	Miscellaneous		
8.2	Working hydraulic pressure for attachments		195 bar
8.3	Oil flow rate for attachments		120 l/min
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 88 dB
8.4	Sound level at the driver's ear according to DIN 12 053		88 dB

MI 50L G - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 30	FVD 33	FVD 36	FVD 40	FVD 45	FVD 50
Mast/fork carriage tilt, forward	°	6	6	6	6	6	6
Mast/fork carriage tilt, backward	°	12	12	12	12	6	6
h1 - Mast lowered height	mm	2500	2650	2800	3000	3300	3550
h2 - Mast free lift	mm	160	160	160	160	160	160
h3 - Mast lifting height	mm	3000	3300	3600	4000	4500	5000
h4 - Mast extended height	mm	3995	4295	4595	4995	5500	6000
Residual capacity at max height	kg	5000	5000	5000	5000	5000	5000
Residual capacity with hooked-on side shift at max heigth	kg	4500	4500	4500	4500	4500	4500
Height at max capacity	mm	3000	3300	3600	4000	4500	5000
Height at max capacity with hooked-on sideshift	mm	3000	3300	3600	4000	4500	5000

Free Lift Duplex (FLD)		FLD 30	FLD 33	FLD 36	FLD 40
Mast/fork carriage tilt, forward	°	6	6	6	6
Mast/fork carriage tilt, backward	°	12	12	12	12
h1 - Mast lowered height	mm	2450	2600	2750	2950
h2 - Mast free lift	mm	1495	1645	1795	1995
h3 - Mast lifting height	mm	3000	3300	3600	4000
h4 - Mast extended height	mm	3955	4255	4555	4955
Residual capacity at max height	kg	5000	5000	5000	5000
Residual capacity with hooked-on side shift at max heigth	kg	4500	4500	4500	4500
Height at max capacity	mm	3000	3300	3600	4000
Height at max capacity with hooked-on sideshift	mm	3000	3300	3600	4000

Free Lift Triplex (FLT)		FLT 45	FLT 48	FLT 50	FLT 55	FLT 60
Mast/fork carriage tilt, forward	°	6	6	6	3	3
Mast/fork carriage tilt, backward	°	6	6	6	6	6
h1 - Mast lowered height	mm	2725	2825	2875	3075	3225
h2 - Mast free lift	mm	1500	1600	1672	1800	2000
h3 - Mast lifting height	mm	4500	4800	5000	5500	6000
h4 - Mast extended height	mm	5735	6035	6213	6785	7235
Residual capacity at max height	kg	4500	4500	4500	4200	4000
Residual capacity with hooked-on side shift at max heigth	kg	4000	4000	4000	3700	3500
Height at max capacity	mm	4500	4800	5000	5500	6000
Height at max capacity with hooked-on sideshift	mm	4500	4800	5000	5500	6000

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