

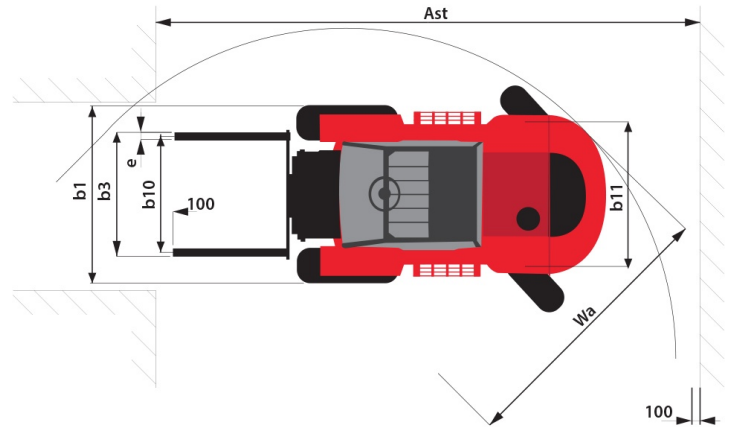
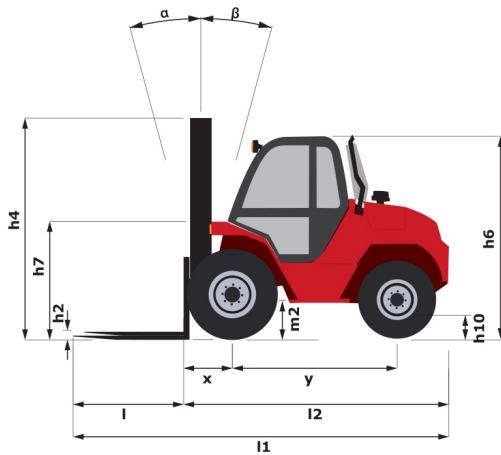
Technical sheet :

M 40-2



	Technical characteristics		Metric
1.1	Manufacturer		Manitou
1.2	Model Name		M 40-2
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	4000 kg
1.6	Load centre of gravity	c	500 mm
1.8	Load distance, centre of drive axle to fork	x	763 mm
1.9	Wheelbase	y	2060 mm
	Weight		
2.1	Service weight		6915 kg
2.2	Weight on front axle (laden) / rear axle (laden)		9075 kg / 1840 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		2625 kg / 4290 kg
	Wheels		
3.1	Tyres type		Pneumatic
3.2	Dimensions of front wheels		18x19.5 18PR A224
3.3	Dimensions of rear wheels		10R17.5 G291 GY
3.5	Number of front wheels / rear wheels		2 / 2
3.5.2	Number of drive wheels		2
3.6	Front wheel gauge	b10	1600 mm
3.7	Rear wheel gauge	b11	1640 mm
	Dimensions		
4.1	Tilt of Mast Forward (deg) / Backward (deg)	α / β	15 / 15
4.7	Height of overhead guard (cabin)	h6	2460 mm
4.8	Seat height/stand height	h7	1440 mm
4.12	Height of towing bar (coupling height)	h10	690 mm
4.19	Overall length	l1	4858 mm
4.20	Length to face of forks	l2	3658 mm
4.21	Overall width	b1	2057 mm
4.21	Overall width - Single wheels	b1	2057 mm
4.22	Forks section / width / length	s / e / l	50 mm x 150 mm / 1200 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		FEM3
4.24	Fork carriage width	b3	1670 mm
4.31	Ground clearance below mast	m1	250 mm
4.32	Ground clearance at centre of wheelbase	m2	310 mm
4.33	Aisle Width for pallets 1000 x 1200 crossways	Ast	5560 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	5560 mm
4.36	Internal turning radius (over tyres)	b13	200 mm
4.35	Turning radius	Wa	3395 mm
	Performances		
5.1	Travel speed (laden / unladen)		10 km/h / 24 km/h
5.2	Lifting speed (laden / unladen)		0.40 m/s / 0.40 m/s
5.3	Lowering speed (laden / unladen)		0.40 m/s / 0.30 m/s
5.5	Drawbar pull (Laden)		6900 daN
5.10	Service brake		Hydraulic
	Engine		
7.1	Engine brand / model		Perkins / 854F-E34T WF
7.2	Engine power according to ISO 1585		55 kW
7.3	Rated speed		2200 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 3400 cm ³
7.5	Fuel consumption according to VDI cycle		6.90 l/h
	Miscellaneous		
8.2	Working hydraulic pressure for attachments		210 Bar
8.3	Oil flow rate for attachments		97 l/min
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 76 dB(A)

Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex		FVD 30	FVD 33	FVD 35	FVD 37	FVD 40	FVD 45	FVD 50
h2 - Free lift	mm	0	0	0	0	0	0	0
h1 - Height mast lowered *	mm	2425	2575	2675	2775	2925	3175	3425
h3 - Lifting Height	mm	3000	3300	3500	3700	4000	4500	5000
h4 - Height mast extended *	mm	3977	4277	4477	4677	4977	5477	5977
α / β - Mast inclination (front / rear)	°	15 / 15	15 / 15	15 / 15	15 / 15	15 / 15	15 / 15	15 / 15
Residual capacity at max height	kg	4000	4000	4000	4000	4000	4000	3800
Residual capacity without attachment (Industrial load chart)	kg	4000	4000	4000	4000	4000	4000	3800
Residual capacity with integrated side shift (Industrial load chart)	kg	4000	4000	4000	4000	4000	4000	3400

Free Lift Triplex		FLT 37	FLT 40	FLT 43	FLT 45	FLT 47	FLT 50	FLT 55	FLT 60
h2 - Free lift	mm	1258	1258	1458	1533	1593	1708	1858	2033
h1 - Height mast lowered *	mm	2175	2275	2375	2450	2510	2625	2775	2950
h3 - Lifting Height	mm	3700	4000	4300	4500	4700	5000	5500	6000
h4 - Height mast extended *	mm	4667	4967	5267	5467	5667	5967	6767	6967
α / β - Mast inclination (front / rear)	°	15 / 15	15 / 15	15 / 15	15 / 15	15 / 15	15 / 15	15 / 15	15 / 15
Residual capacity at max height	kg	4000	4000	4000	4000	3800	3700	3200	2600
Residual capacity without attachment (Industrial load chart)	kg	4000	4000	4000	4000	3800	3700	3200	2600
Residual capacity with integrated side shift (Industrial load chart)	kg	4000	4000	4000	4000	3400	3300	2900	2350



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