Technical sheet :

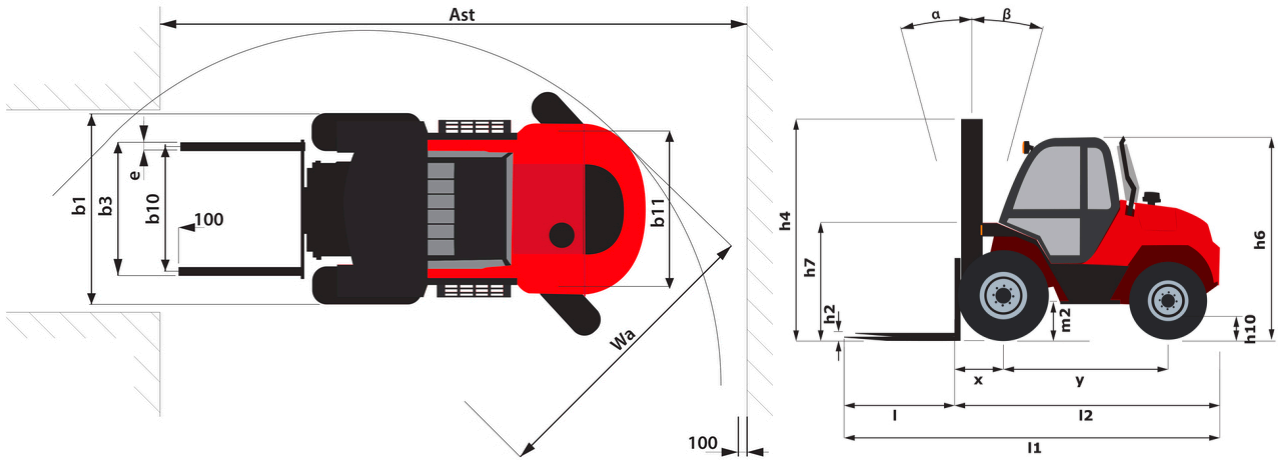
M 70-4



MANITOU
HANDLING YOUR WORLD

	Technical characteristics		Metric
1.1	Manufacturer		MANITOU
1.2	Model Name		M 70-4
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	7000 kg
1.6	Load center of gravity	c	600 mm
1.8	Load distance, centre of drive axle to fork	x	797 mm
1.9	Wheelbase	y	2515 mm
	Weight		
	Standard mast reference of the machine		FVD 40
2.1	Service weight		10082 kg
2.2	Weight on front axle (laden) / rear axle (laden)		14104 kg / 2978 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		3216 kg / 6866 kg
	Wheels		
3.1	Tires type		Pneumatic
3.2	Dimensions of front wheels		18R22.5 XF TL 161A8/175A2
3.3	Dimensions of rear wheels		340/80R18 IND 143A8 A580
3.5	Number of front wheels / rear wheels		2 / 2
3.5.2	Number of drive wheels		4
3.6	Front wheel gauge	b10	1700 mm
3.7	Rear wheel gauge	b11	1740 mm
	Dimensions		
4.7	Height of overhead guard (cabin)	h6	2550 mm
4.8	Seat height/stand height	h7	1480 mm
4.19	Overall length	l1	5637 mm
4.20	Length to face of forks	l2	4137 mm
4.21	Overall width	b1	2156 mm
4.22	Forks section x width x length	s / e / l	70 mm x 150 mm / 1500 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		FEM 4A
4.24	Fork carriage width	b3	1750 mm
4.31	Ground clearance below mast	m1	361 mm
4.32	Ground clearance at centre of wheelbase	m2	361 mm
4.33	Aisle width for 1000 x 1200 pallet widthways	Ast	1997 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	2197 mm
	Performances		
5.1	Travel speed (laden / unladen)		28.80 km/h / 28.80 km/h
5.2	Lifting speed (laden / unladen)		0.29 m/s / 0.29 m/s
5.3	Lowering speed (laden / unladen)		0.45 m/s / 0.33 m/s
5.5	Drawbar pull (Laden)		15780 daN
5.7	Gradeability (laden / unladen)		100 % / 60 %
5.10	Service brake		Hydraulic brakes by loss of pressure
	Transmission type		Torque converter
	Engine		
7.1	Engine brand / model		Deutz / TD 2,9
7.2	Engine power (kW)		55 kW
7.3	Rated speed		2300 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 2925 cm³
7.5	Fuel consumption according to VDI cycle		5.57 l/h
	Miscellaneous		
8.1	Type of drive control		Cable
8.2	Working hydraulic pressure for attachments		230 bar
8.3	Oil flow rate for attachments		67 l/min
8.4	Sound level at the driver's ear according to DIN 12 053		79.10 dB

M 70-4 - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 36	FVD 40	FVD 45
α - Mast/fork carriage tilt, forward	°	16	16	16
β - Mast/fork carriage tilt, backward	°	14	14	14
h1 - Mast lowered height	mm	3225	3425	3675
h3 - Mast lifting height	mm	3600	4000	4500
h4 - Mast extended height	mm	5040	5440	5940
Residual capacity at max height	kg	7000	7000	5000
Height at max capacity	mm	3600	4000	4000

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