Technical sheet :

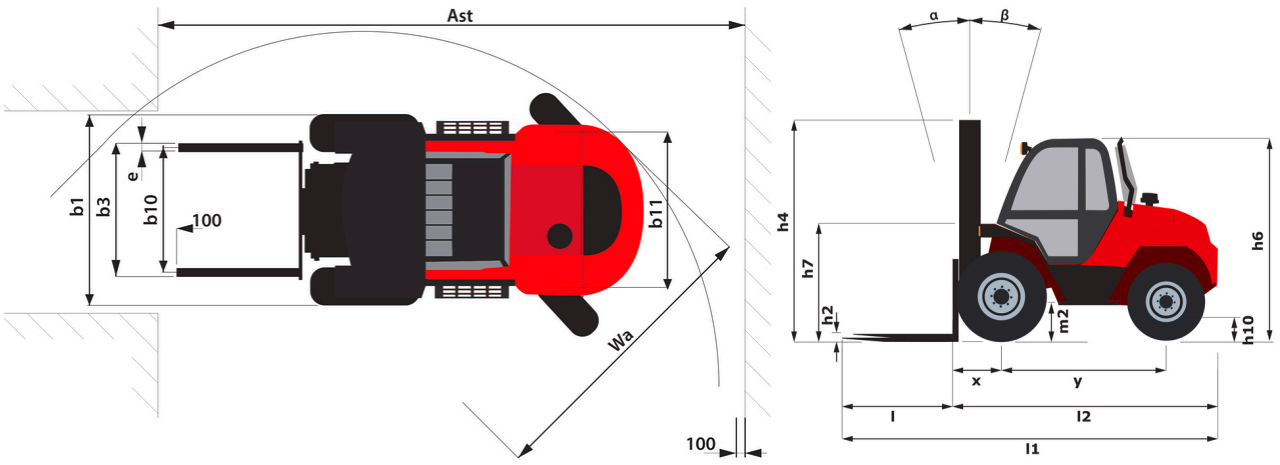
M 30-4



MANITOU
HANDLING YOUR WORLD

	Technical characteristics		Metric
1.1	Manufacturer		MANITOU
1.2	Model Name		M 30-4
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	3000 kg
1.6	Load center of gravity	c	500 mm
1.8	Load distance, centre of drive axle to fork	x	747 mm
1.9	Wheelbase	y	2120 mm
	Weight		
	Standard mast reference of the machine		FVD 37
2.1	Service weight		6032 kg
2.2	Weight on front axle (laden) / rear axle (laden)		7547 kg / 1485 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		2782 kg / 3250 kg
	Wheels		
3.1	Tires type		Pneumatic
3.2	Dimensions of front wheels		15.5/80 R24 16PR
3.3	Dimensions of rear wheels		10.5-18 12PR I317 MPT TL
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	1630 mm
	Dimensions		
4.7	Height of overhead guard (cabin)	h6	2555 mm
4.8	Seat height/stand height	h7	1483 mm
4.19	Overall length	l1	4699 mm
4.20	Length to face of forks	l2	3499 mm
4.21	Overall width	b1	2084 mm
4.22	Forks section x width x length	s / e / l	40 mm x 125 mm / 1200 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		FEM 3A
4.24	Fork carriage width	b3	1470 mm
4.31	Ground clearance below mast	m1	517 mm
4.32	Ground clearance at centre of wheelbase	m2	355 mm
4.33	Aisle width for 1000 x 1200 pallet widthways	Ast	6047 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	6247 mm
4.35	Turning radius	Wa	4100 m
	Performances		
5.1	Travel speed (laden / unladen)		28.30 km/h / 28.30 km/h
5.2	Lifting speed (laden / unladen)		0.57 m/s / 0.57 m/s
5.3	Lowering speed (laden / unladen)		0.49 m/s / 0.37 m/s
5.5	Drawbar pull (Laden)		13603 daN
5.7	Gradeability (laden / unladen)		100 % / 90 %
5.10	Service brake		Hydraulic brakes by loss of pressure
	Transmission type		Torque converter
	Engine		
7.1	Engine brand / model		Deutz / TCD 2,9
7.2	Engine power (kW)		55 kW
	Max. fuel sulphur content		11.85 ppm
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		4.47 l/h
	Miscellaneous		
8.2	Working hydraulic pressure for attachments		210 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 30-4 - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 37	FVD 45
α - Mast/fork carriage tilt, forward	°	6	6
β - Mast/fork carriage tilt, backward	°	12	12
h1 - Mast lowered height	mm	2815	3255
h3 - Mast lifting height	mm	3700	4500
h4 - Mast extended height	mm	4745	5545
Residual capacity at max height	kg	3000	3000
Height at max capacity	mm	3700	4500

Free Lift Triplex (FLT)		FLT 43	FLT 50	FLT 65
α - Mast/fork carriage tilt, forward	°	6	6	6
β - Mast/fork carriage tilt, backward	°	12	12	12
h1 - Mast lowered height	mm	2555	2815	3505
h2 - Mast free lift	mm	1573	1833	2523
h3 - Mast lifting height	mm	4300	5000	6500
h4 - Mast extended height	mm	5353	6053	7553
Residual capacity at max height	kg	3000		
Height at max capacity	mm	4300		

Full Visibility Triplex (FVT)		FVT 55
α - Mast/fork carriage tilt, forward	°	6
β - Mast/fork carriage tilt, backward	°	12
h1 - Mast lowered height	mm	3085
h3 - Mast lifting height	mm	5500
h4 - Mast extended height	mm	6683
Residual capacity at max height	kg	2000
Height at max capacity	mm	4200

Equipment

Optional
Audio warning on reverse
Enclosed Cab with Heat and A/C
Front and Rear - Work Lights
Load backrest
Open cab

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