

Technical sheet :

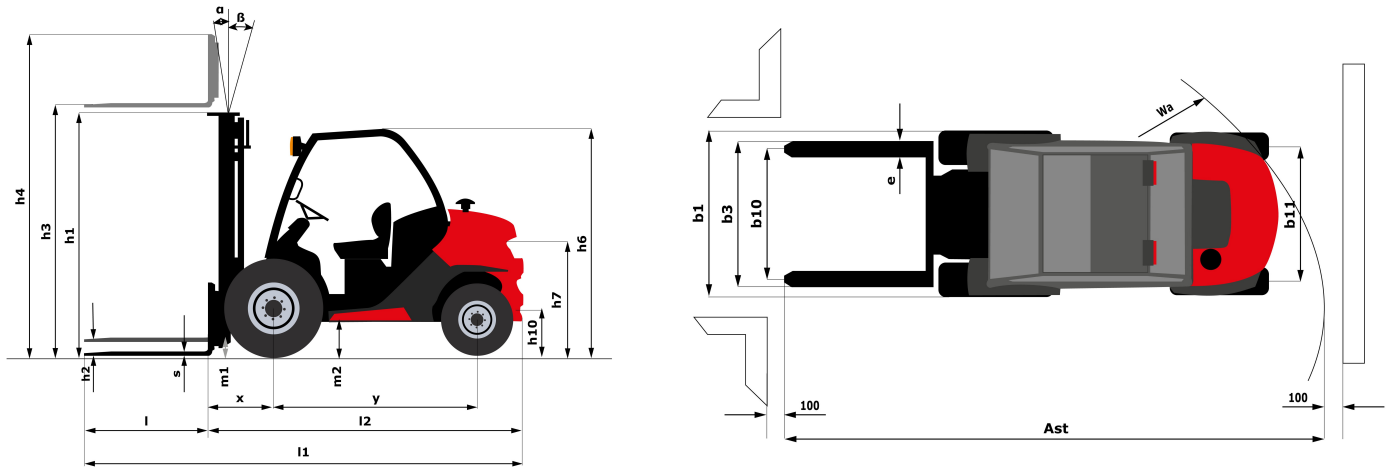
MC 18-2



Technical characteristics			Metric
1.1	Manufacturer		Manitou
1.2	Model Name		MC 18-2
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	1800 kg
1.6	Load centre of gravity	c	500 mm
1.8	Load distance, centre of drive axle to fork	x	616 mm
1.9	Wheelbase	y	1900 mm
Weight			
2.1	Service Weight		3405 kg
2.2	Weight on front axle (laden) / rear axle (laden)		4200 kg / 1005 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1625 kg / 1780 kg
Wheels			
3.1	Tyres type		Pneumatic
3.2	Dimensions of front wheels		12.5/80 - 18/12 SL R4
3.3	Dimensions of rear wheels		7.00-12/12 ED PLUS
3.5	Number of front wheels / rear wheels		2 / 2
3.2	Number of drive wheels		2
3.6	Front wheel gauge	b10	1159 mm
3.7	Rear wheel	b11	1112 mm
Dimensions			
4.1	Tilt of Mast Forward (deg) / Backward (deg)	α / β	10 / 12
4.7	Height of overhead guard (cabin)	h6	2155 mm
4.7	Overall height of standard overhead guard	h6	2155 mm
4.8	Seat height/stand height	h7	1034 mm
4.19	Overall length	l1	4100 mm
4.20	Length to face of forks	l2	2950 mm
4.21	Overall width	b1	1450 mm
4.22	Forks section / width / length	s / e / l	35 mm x 100 mm x 1150 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		2A
4.24	Fork carriage width	b3	1260 mm
4.31	Ground clearance below mast	m1	300 mm
4.32	Ground clearance at centre of wheelbase	m2	320 mm
4.35	Turning radius	Wa	2585 mm
Performances			
5.1	Travel speed (laden / unladen)		12 km/h / 24.9 km/h
5.2	Lifting speed (laden / unladen)		0.4 Nm / 0.4 Nm
5.3	Lowering speed (laden / unladen)		0.4 Nm / 0.4 Nm
5.5	Drawbar pull (Laden / Unladen)		1050 daN / 1100 daN
5.7	Gradeability - laden / unladen		21 % / 34 %
5.10	Service brake		Hydraulic
Engine			
7.1	Engine brand / model / norm		Kubota / D1803 CR E5B / Stage V
7.2	Engine power according to ISO 1585		27 kW

Engine			
7.3	Rated speed		3000 tr/min
7.4	Number of cylinders / Capacity of cylinders		4-1498 cm ³
7.5	Fuel consumption according to VDI cycle		3.6
Miscellaneous			
8.1	Type of drive control		Cable
8.2	Working hydraulic pressure for attachments (bar)		180 Bar
8.3	Oil flow rate for attachments		37 l/min
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 79 dB(A)

Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex		FVD 33	FVD 37	FVD 40	FVD 45
h2 - Free lift	mm	85	85	85	90
h1 - Height mast Lowered	mm	2348	2608	2798	3040
h3 - Lifting Height	mm	3300	3700	4000	4500
h4 - Height mast extended	mm	4018	4428	4768	5376
α / β - Mast inclination (front / rear)	°	10 / 12	10 / 12	10 / 12	10 / 12
Residual capacity at max height	kg	1800			1000
Residual capacity without attachment (Industrial load chart)	kg	1800			1000
Residual capacity with hooked-on side shift (Industrial load chart)	kg				750
Height at max capacity	mm	3300000			3500

Free Lift Triplex		FLT 37	FLT 43	FLT 47	FLT 55
h2 - Free lift	mm	1216	1416	1566	1826
h1 - Height mast Lowered	mm	1999	2190	2340	2600
h3 - Lifting Height	mm	3700	4300	4700	5500
h4 - Height mast extended	mm	4514	5114	5514	6314
α / β - Mast inclination (front / rear)	°	10 / 12	10 / 12	10 / 12	10 / 12
Residual capacity at max height	kg	1800	1000	1000	650
Residual capacity without attachment (Industrial load chart)	kg	1800	1000	1000	650
Residual capacity with hooked-on side shift (Industrial load chart)	kg	1800	750	750	500
Height at max capacity	mm	3700000	3500	3500	3500

Full Visibility Triplex		FVT 33
h2 - Free lift	mm	0
h1 - Height mast Lowered	mm	1800
h3 - Lifting Height	mm	3300
h4 - Height mast extended	mm	4115
α / β - Mast inclination (front / rear)	°	10 / 12
Residual capacity at max height	kg	1800
Residual capacity without attachment (Industrial load chart)	kg	1800
Residual capacity with hooked-on side shift (Industrial load chart)	kg	1800

Full Visibility Triplex

FVT 33

Height at max capacity

mm

3300000



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