

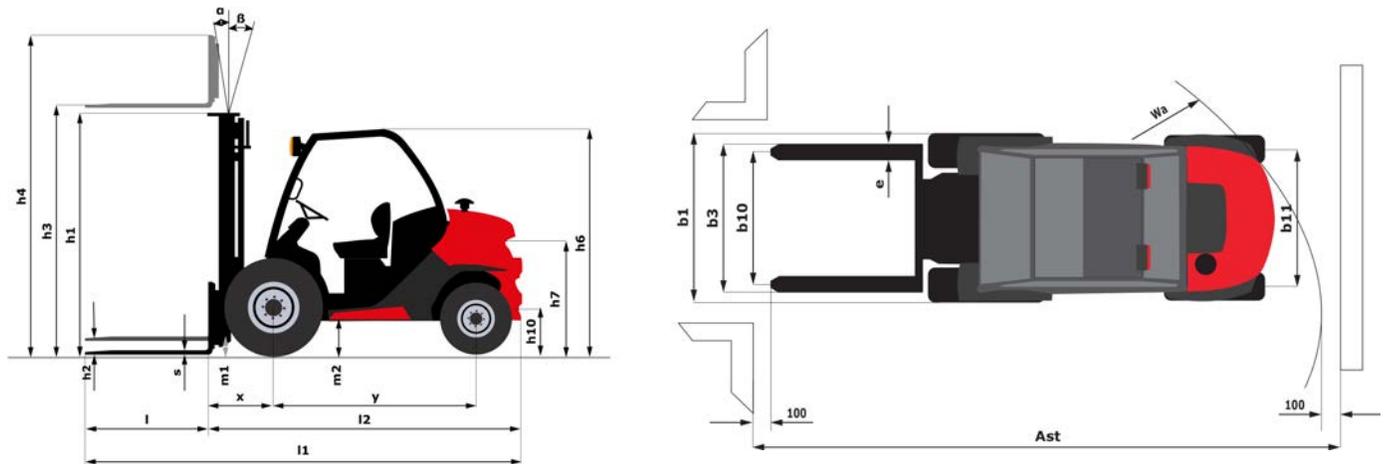
Technical sheet :

MC 18-2 ST5



	Technical characteristics		Metric
1.1	Manufacturer		Manitou
1.2	Model Name		MC 18-2 ST5
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		3477 kg
2.2	Weight on front axle (laden) / rear axle (laden)		4465 kg / 810 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1608 kg / 1869 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
3.5.2	Number of drive wheels		2
3.6	Front wheel gauge	b10	1159 mm
3.7	Rear wheel gauge	b11	1112 mm
	Dimensions		
4.1	Tilt of Mast Forward (deg) / Backward (deg)	α / β	10 / 12
4.7	Overall height of standard overhead guard	h6	2155 mm
4.7	Overall height of low overhead guard (Buggie version)	h6*	1990 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 / 1150 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		FEM 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 / 23.5 km/h
5.2	Lifting speed (laden / unladen)		0.44 m/s / 0.44 m/s
5.3	Lowering speed (laden / unladen)		0.4 m/s / 0.4 m/s
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
7.3	Rated speed		2700 rpm
7.4	Number of cylinders / Capacity of cylinders		3 - 1826 cm ³
7.5	Fuel consumption according to VDI cycle		3.6 l/h
	Miscellaneous		
8.1	Type of drive control		Electronic
8.2	Working hydraulic pressure for attachments		160 Bar
8.3	Oil flow rate for attachments		29 l/min
8.4	Measured/guaranteed mean noise level at the ear of the operator		< 75 dB(A)

Dimensional drawing



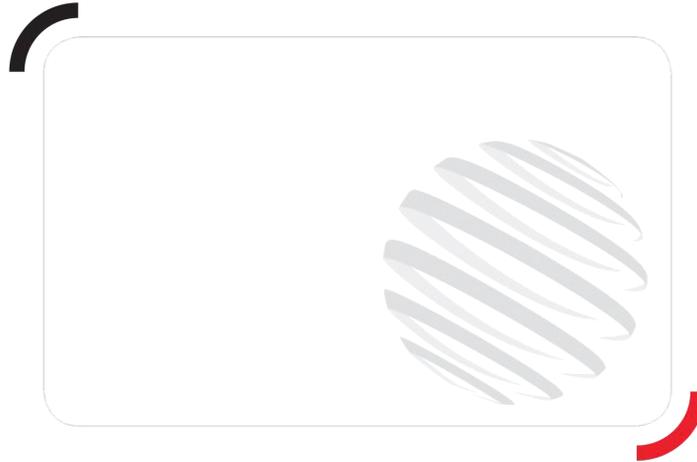
Characteristics of masts and residual capacities

Full Visibility Duplex		FVD 33	FVD 37	FVD 40	FVD 45
h1 - Height mast lowered *	mm	2348	2608	2798	3048
h2 - Free lift	mm	85	85	85	85
h3 - Lifting Height	mm	3300	3700	4000	4500
h4 - Height mast extended *	mm	4018	4428	4768	5268
α / β - Mast inclination (front / rear)	°	12 / 10	12 / 10	12 / 10	12 / 10
Residual capacity at max height	kg				1000
Residual capacity with hooked-on side shift (Industrial load chart)	kg				750
Height at max capacity	mm	3300	3300		
Residual capacity without attachment (Industrial load chart)	kg	1800			1000
Height at max capacity with hooked-on sideshift	mm	3300	3300		

Free Lift Triplex		FLT 37	FLT 43	FLT 47	FLT 55
h1 - Height mast lowered *	mm	1999	2190	2340	2600
h2 - Free lift	mm	1216	1416	1566	1826
h3 - Lifting Height	mm	3700	4300	4700	5500
h4 - Height mast extended *	mm	4514	5114	5514	6314
α / β - Mast inclination (front / rear)	°	12 / 10	12 / 10	12 / 10	6 / 6
Residual capacity at max height	kg	1800			
Residual capacity with hooked-on side shift (Industrial load chart)	kg	1800	750	750	500
Height at max capacity	mm	3400	3500	3500	3500
Residual capacity without attachment (Industrial load chart)	kg	1800	1000	1000	650
Height at max capacity with hooked-on sideshift	mm	3300			

Full Visibility Triplex		FVT 33
h1 - Height mast lowered *	mm	1800
h2 - Free lift	mm	0
h3 - Lifting Height	mm	3300
h4 - Height mast extended *	mm	4115
α / β - Mast inclination (front / rear)	°	12 / 10
Residual capacity at max height	kg	1800
Residual capacity with hooked-on side shift (Industrial load chart)	kg	1800

Full Visibility Triplex		FVT 33
Height at max capacity	mm	3300
Residual capacity without attachment (Industrial load chart)	kg	1800
Height at max capacity with hooked-on sideshift	mm	1800



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