Technical sheet :

MC 18-2 ST5

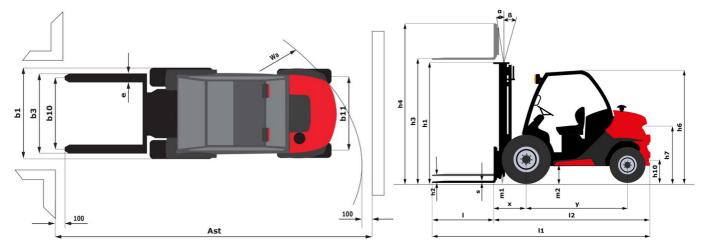




	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	
1.6	Load center of gravity	
1.8	Load distance, centre of drive axle to fork	
1.9	Wheelbase	
	Weight	
	Standard mast reference of the machine	
2.1	Service weight	
2.2	Weight on front axle (laden) / rear axle (laden)	
2.3	Weight on front axle (Unladen) / rear axle (Unladen)	
	Wheels	
3.1	Tires type	
3.2	Dimensions of front wheels	
3.3	Dimensions of rear wheels	
3.5	Number of front wheels / rear wheels	
3.5	Number of from wheels	
3.6	Front wheel gauge	
3.7	Rear wheel gauge	_
	Dimensions	
4.7	Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)	
4.8	Seat height/stand height	
4.19	Overall length	
4.20	Length to face of forks	
4.21	Overall width	
4.22	Forks section x width x length	
4.23	Fork carriage ISO 2328 (class/form) A/B	
4.24	Fork carriage width	
4.31	Ground clearance below mast	
4.32	Ground clearance at centre of wheelbase	
4.35	Turning radius	
	Performances	
5.1	Travel speed (laden / unladen)	
5.2	Lifting speed (laden / unladen)	
5.3	Lowering speed (laden / unladen)	
5.5	Drawbar pull (Laden)	
5.7	Gradeability (laden)	
5.10	Service brake	
0.10	Engine	
7.2	Engine power according to ISO 1585	
7.2	Engine power according to 130 1303	
7.2	Engine power according to ISO 1585	
7.3	Rated speed	
7.4	Number of cylinders / Capacity of cylinders	
	Miscellaneous	
8.1	Type of drive control	
8.2	Working hydraulic pressure for attachments	
8.3	Oil flow rate for attachments	

MC 18-2 ST5 Created on May 3, 2024 at 10:13:36 PM UTC Manitou MC 18-2 ST5 Diesel Seated Q 1800 kg 500 mm х 616 mm 1900 mm FVD 33 3440 kg 4600 kg / 640 kg 1590 kg / 1850 kg Pneumatic 12.5/80 - 18/12 SL R4 7.00-12/12 ED PLUS 2/2 2 1159 mm b11 1112 mm 16 / h6* 2155 mm / 1990 mm 1034 mm 4100 mm 2950 mm b1 1450 mm s / e / I 35 mm x 100 mm / 1150 mm 2A 1260 mm m1 300 mm 320 mm Wa 2585 mm 12 km/h / 23.50 km/h 0.44 m/s / 0.44 m/s 0.40 m/s / 0.40 m/s 1000 daN 19 % Hydraulic brakes by loss of pressure 27 kW Kubota / D1803 CR E5B / Stage V 27 kW 2700 rpm 3 - 1826 cm³ Electronic 160 bar 31 l/min

MC 18-2 ST5 - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 33	FVD 37	FVD 40	FVD 45
Mast/fork carriage tilt, forward °		12	12	12	12
Mast/fork carriage tilt, backward	۰	10	10	10	10
h1 - Mast lowered height	mm	2348	2608	2798	3048
h2 - Mast free lift	mm	85	85	85	85
h3 - Mast lifting height	mm	3300	3700	4000	4500
h4 - Mast extended height	mm	4018	4428	4768	5268
Residual capacity at max height	kg	1800	1800		1100
Residual capacity with hooked-on side shift at max heigth	kg	1800	1800		1100
Height at max capacity	mm	3300	3700	2500	3600
Height at max capacity with hooked-on sideshift	mm	3300	3700		3600

Free Lift Triplex (FLT)		FLT 37	FLT 43	FLT 47	FLT 55
Mast/fork carriage tilt, forward		12	12	12	6
Mast/fork carriage tilt, backward	٥	10	10	10	6
h1 - Mast lowered height	mm	1998	2198	2348	2608
h2 - Mast free lift	mm	1305	1505	1655	1915
h3 - Mast lifting height	mm	3700	4300	4700	5500
h4 - Mast extended height	mm	4453	5053	5453	6253
Residual capacity at max height	kg	1600	1000	600	
Residual capacity with hooked-on side shift at max heigth	kg	1550	1000	600	
Height at max capacity	mm	3400	3400	3400	2500
Height at max capacity with hooked-on sideshift	mm	3300	3400	3400	

Full Visibility Triplex (FVT)		FVT 33
Mast/fork carriage tilt, forward	۰	12
Mast/fork carriage tilt, backward	٥	10
h1 - Mast lowered height	mm	1888
h2 - Mast free lift	mm	135
h3 - Mast lifting height	mm	3300
h4 - Mast extended height	mm	4048
Residual capacity at max height	kg	1800
Residual capacity with hooked-on side shift at max heigth	kg	1800
Height at max capacity	mm	3300
Height at max capacity with hooked-on sideshift	mm	3300



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