Technical sheet :

MC 18-2 ST5

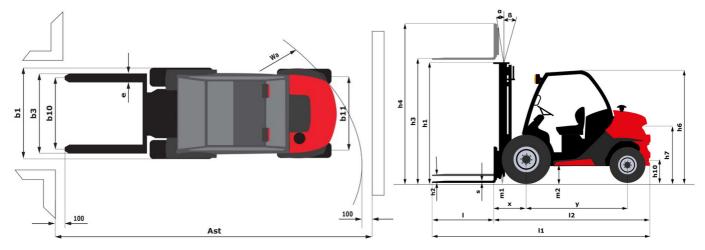




	Technical characteristics	
1.1	Manufacturer	
.2	Model Name	
.3	Power source	
4	Operator type	
5	Max. capacity	
б	Load center of gravity	
3	Load distance, centre of drive axle to fork	
9	Wheelbase	
	Weight	
	Standard mast reference of the machine	
1	Service weight	
2	Weight on front axle (laden) / rear axle (laden)	
3	Weight on front axle (Unladen) / rear axle (Unladen)	
,	Wheels	
.1	Tires type	
2	Dimensions of front wheels	
3	Dimensions of rear wheels	
5	Number of front wheels / rear wheels	
.2	Number of drive wheels	
5	Front wheel gauge	
,	Rear wheel gauge	
	Dimensions	
7	Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)	
	Seat height/stand height	
)	Overall length	
0	Length to face of forks	
1	Overall width	
2	Forks section x width x length	
3	Fork carriage ISO 2328 (class/form) A/B	
4	Fork carriage width	
1	Ground clearance below mast	
32	Ground clearance at centre of wheelbase	
5	Turning radius	
	Performances	
1	Travel speed (laden / unladen)	
2	Lifting speed (laden / unladen)	
3	Lowering speed (laden / unladen)	
5	Drawbar pull (Laden)	
7	Gradeability (laden)	
D	Service brake	
	Engine	
	Engine power according to ISO 1585	
	Engine brand / model / norm	
	Engine power according to ISO 1585	
	Rated speed	
}	•	
•	Number of cylinders / Capacity of cylinders	
	Miscellaneous	
1	Type of drive control	
	Working hydraulic pressure for attachments	
	Oil flow rate for attachments	

MC 18-2 ST 5	Created on 6 May 2024 at 10:47:24 UTC
	Metric
	Manitou
	MC 18-2 ST5
	Diesel
	Seated
Q	1800 kg
С	500 mm
х	616 mm
у	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
b10	1159 mm
b11	1112 mm
h6 / h6*	2155 mm / 1990 mm
h7	1034 mm
11	4100 mm
12	2950 mm
b1	1450 mm
s / e / l	35 mm x 100 mm / 1150 mm
	2A
b3	1260 mm
m1	300 mm
m2	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	۰	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	۰	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
rull visibility fliplex (rvf)		FVI 33
Mast/fork carriage tilt, forward	۰	12
Mast/fork carriage tilt, backward	۰	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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