

Technical sheet :

MC 25-2 ST5



Technical characteristics			Metric	
1.1	Manufacturer			Manitou
1.2	Model Name			MC 25-2 ST5
1.3	Power source			Diesel
1.4	Operator type			Seated
1.5	Max. capacity	Q		2500 kg
1.6	Load center of gravity	c		500 mm
1.8	Load distance, centre of drive axle to fork	x		621 mm
1.9	Wheelbase	y		1900 mm
Weight				
	Standard mast reference of the machine			FVD 33
2.1	Service weight			4200 kg
2.2	Weight on front axle (laden) / rear axle (laden)			5970 kg / 730 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)			1820 kg / 2380 kg
Wheels				
3.1	Tires 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				
4.7	Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)	h6 / h6*		2155 mm / 1990 mm
4.8	Seat height/stand height	h7		1034 mm
4.19	Overall length	l1		4195 mm
4.20	Length to face of forks	l2		3045 mm
4.21	Overall width	b1		1450 mm
4.22	Forks section x width x length	s / e / l		40 mm x 100 mm / 1200 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		2620 mm
Performances				
5.1	Travel speed (laden / unladen)			12 km/h / 24.50 km/h
5.2	Lifting speed (laden / unladen)			0.47 m/s / 0.46 m/s
5.3	Lowering speed (laden / unladen)			0.50 m/s / 0.30 m/s
5.5	Drawbar pull (Laden / Unladen)			1700 daN / 910 daN
5.7	Gradeability (laden)			29 %
5.10	Service brake			Hydraulic brakes by loss of pressure
Engine				
7.2	I.C. Engine power rating			37 kW
7.1	Engine brand / model / norm			Kubota / D1803 CRT E5B / Stage V
7.3	Rated speed			2700 rpm
7.4	Number of cylinders / Capacity of cylinders			3 - 1826 cm ³
Miscellaneous				
8.1	Type of drive control			Electronic
8.2	Working hydraulic pressure for attachments			200 bar
8.3	Oil flow rate for attachments			42 l/min

MC 25-2 ST5 - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 33	FVD 37	FVD 45		
α - Mast/fork carriage tilt, forward	°	12	12	12		
β - Mast/fork carriage tilt, backward	°	10	10	10		
h1 - Mast lowered height	mm	2338	2598	3038		
h2 - Mast free lift	mm	112	112	112		
h3 - Mast lifting height	mm	3300	3700	4500		
h4 - Mast extended height	mm	4090	4490	5290		
Residual capacity at max height	kg	2500	1450	800		
Residual capacity with hooked-on side shift at max height	kg	2500	1450	800		
Height at max capacity	mm	3000	3000	3000		
Height at max capacity with hooked-on sideshift	mm	3000	3000	3000		

Free Lift Triplex (FLT)		FLT 34	FLT 37	FLT 40	FLT 43	FLT 47	FLT 55
α - Mast/fork carriage tilt, forward	°	12	12	12	12	12	6
β - Mast/fork carriage tilt, backward	°	10	10	10	10	10	6
h1 - Mast lowered height	mm	1988	2088	2188	2338	2438	2788
h2 - Mast free lift	mm	1210	1310	1410	1510	1660	1920
h3 - Mast lifting height	mm	3400	3700	4000	4300	4700	5500
h4 - Mast extended height	mm	4236	4536	4836	5168	5536	6408
Residual capacity at max height	kg	1900	1500	1350	800	700	500
Residual capacity with hooked-on side shift at max height	kg	1800	1450	1350	700	700	500
Height at max capacity	mm	3000	2900	3000	3000	3000	3000
Height at max capacity with hooked-on sideshift	mm	3000	3000	3000	3000	3000	3000

Full Visibility Triplex (FVT)		FVT 33
α - Mast/fork carriage tilt, forward	°	12
β - Mast/fork carriage tilt, backward	°	10
h1 - Mast lowered height	mm	1878
h2 - Mast free lift	mm	124
h3 - Mast lifting height	mm	3300
h4 - Mast extended height	mm	4079
Height at max capacity	mm	2500



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