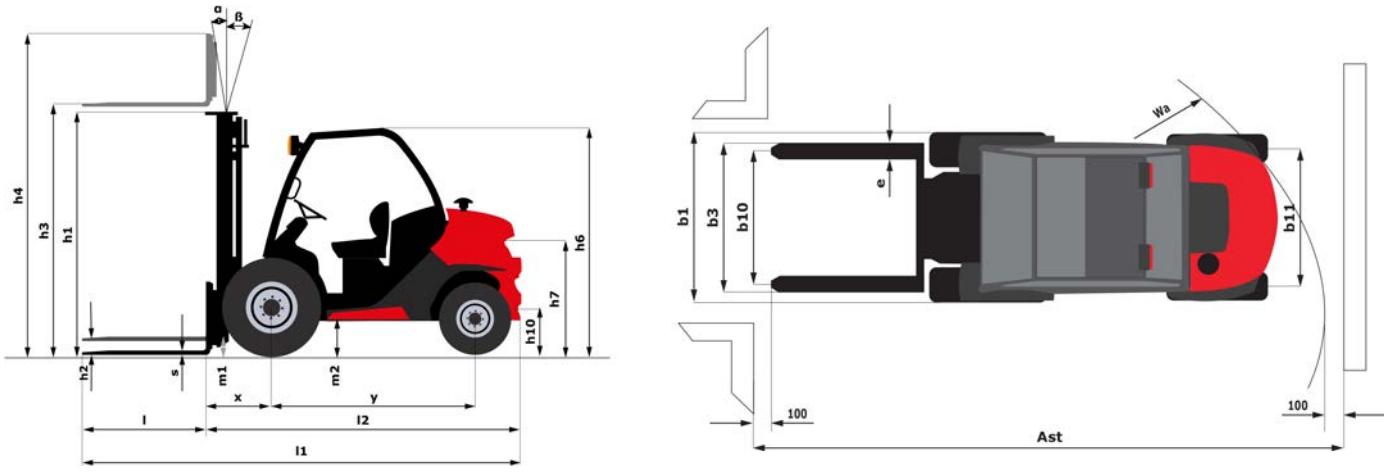
Technical sheet :

MC 25-2 ST5

MANITOU
HANDLING YOUR WORLD

	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 centre 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		
2.1	Service weight		4003 kg
2.2	Weight on front axle (laden) / rear axle (laden)		5729 kg / 894 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		1606 kg / 2397 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	12 / 10
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	4195 mm
4.20	Length to face of forks	l2	3045 mm
4.21	Overall width	b1	1450 mm
4.22	Forks section / width / length	s / e / l	40 mm x 100 mm / 1200 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
4.33	Aisle width for 1000 x 1200 pallet widthways	Ast	4641 mm
4.35	Turning radius	Wa	2620 mm
	Performances		
5.1	Travel speed (laden / unladen)		12 km/h / 24.5 km/h
5.2	Lifting speed (laden / unladen)		0.47 m/s / 0.46 m/s
5.3	Lowering speed (laden / unladen)		0.5 m/s / 0.3 m/s
5.5	Drawbar pull (Laden / Unladen)		1800 daN / 910 daN
5.10	Service brake		Hydraulic brakes by loss of pressure
	Engine		
7.1	Engine brand / model / norm		Kubota / D1803 CRT E5B / Stage V
7.2	Engine power according to ISO 1585		37 kW
7.3	Rated speed		2700 rpm
7.4	Number of cylinders / Capacity of cylinders		3 - 1826 cm³
7.5	Fuel consumption according to VDI cycle		5.2 l/h
	Miscellaneous		
8.1	Type of drive control		Electronic
8.2	Working hydraulic pressure for attachments		230 Bar
8.3	Oil flow rate for attachments		43 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 45
h1 - Height mast lowered *	mm	2338	2598	3038
h2 - Free lift	mm	112	112	112
h3 - Lifting Height	mm	3300	3700	4500
h4 - Height mast extended *	mm	4090	4490	5290
α / β - Mast inclination (front / rear)	°	12 / 10	12 / 10	12 / 10

Free Lift Triplex		FLT 34	FLT 37	FLT 40	FLT 43	FLT 47	FLT 55
h1 - Height mast lowered *	mm	1988	2088	2188	2338	2438	2788
h2 - Free lift	mm	1210	1310	1410	1510	1660	1920
h3 - Lifting Height	mm	3300	3700	4000	4300	4700	5500
h4 - Height mast extended *	mm	4236	4536	4836	5168	5536	6408
α / β - Mast inclination (front / rear)	°	12 / 10	12 / 10	12 / 10	12 / 10	12 / 10	6 / 6
Residual capacity at max height	kg		1650				
Height at max capacity	mm	3000					
Residual capacity without attachment (Industrial load chart)	kg		1650				
Height at max capacity with hooked-on sideshift	mm	3000					

Full Visibility Triplex		FVT 33
h1 - Height mast lowered *	mm	1878
h2 - Free lift	mm	124
h3 - Lifting Height	mm	3300
h4 - Height mast extended *	mm	4079
α / β - Mast inclination (front / rear)	°	12 / 10

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