

Technical sheet :

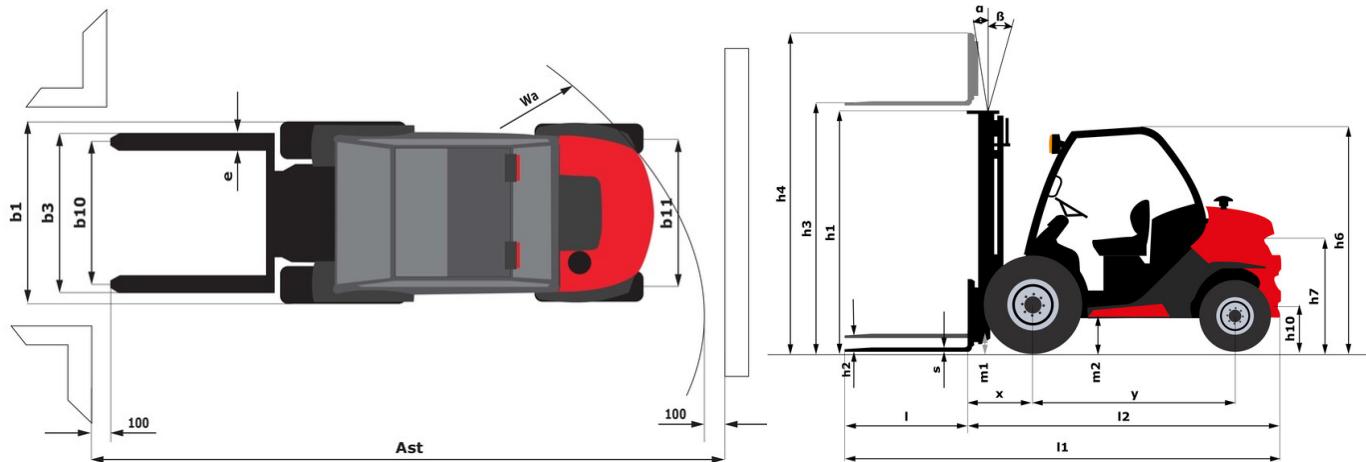
MC 18-4 ST5



 **MANITOU**
HANDLING YOUR WORLD

Technical characteristics		Metric	
1.1	Manufacturer	Manitou	
1.2	Model Name	MC 18-4 ST5	
1.3	Power source	Diesel	
1.4	Operator type	Seated	
1.5	Max. capacity	1800 kg	
1.6	Load center of gravity	500 mm	
1.8	Load distance, centre of drive axle to fork	616 mm	
1.9	Wheelbase	1900 mm	
Weight		FVD 33	
2.1	Standard mast reference of the machine	3590 kg	
2.2	Service weight	4670 kg / 720 kg	
2.3	Weight on front axle (laden) / rear axle (laden)	1660 kg / 1930 kg	
Wheels		Pneumatic	
3.1	Tires type	12,5/80-18/12 SL R4	
3.2	Dimensions of front wheels	27x10-12 SKS	
3.3	Dimensions of rear wheels		
3.5	Number of front wheels / rear wheels	2 / 2	
3.5.2	Number of drive wheels	4	
3.6	Front wheel gauge	1159 mm	
3.7	Rear wheel gauge	1176 mm	
Dimensions		2155 mm / 1990 mm	
4.7	Height of overhead guard (cabin) / Overall height of low overhead guard (Buggy version)	1094 mm	
4.8	Seat height/stand height	4100 mm	
4.19	Overall length	2950 mm	
4.20	Length to face of forks	1450 mm	
4.21	Overall width	35 mm x 100 mm / 1150 mm	
4.22	Forks section x width x length	2A	
4.23	Fork carriage ISO 2328 (class/form) A/B	1260 mm	
4.24	Fork carriage width	300 mm	
4.31	Ground clearance below mast	310 mm	
4.32	Ground clearance at centre of wheelbase	3370 mm	
4.35	Turning radius		
Performances		12 km/h / 23.50 km/h	
5.1	Travel speed (laden / unladen)	0.44 m/s / 0.44 m/s	
5.2	Lifting speed (laden / unladen)	0.40 m/s / 0.40 m/s	
5.3	Lowering speed (laden / unladen)	1800 daN	
5.5	Drawbar pull (Laden)	35 %	
5.7	Gradeability (laden)	Hydraulic brakes by loss of pressure	
5.10	Service brake	Hydrostatic	
Engine		Kubota / D1803 CR E5B / Stage V	
7.1	Engine brand / model / norm	37 Hp/27 kW	
7.2	Engine power (Hp / kW)	2700 rpm	
7.3	Rated speed	3 - 1826 cm ³	
7.4	Number of cylinders / Capacity of cylinders		
Miscellaneous		Electronic	
8.1	Type of drive control	160 bar	
8.2	Working hydraulic pressure for attachments	31 l/min	
8.3	Oil flow rate for attachments		

MC 18-4 ST5 - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)

	FVD 33	FVD 37	FVD 40	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	2348	2608	2798
h2 - Mast free lift	mm	85	85	85
h3 - Mast lifting height	mm	3300	3700	4000
h4 - Mast extended height	mm	4018	4428	4768
Residual capacity at max height	kg	1800	1800	1100
Residual capacity with hooked-on side shift at max height	kg	1800	1800	1100
Height at max capacity	mm	3300	3700	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
α - Mast/fork carriage tilt, forward	°	12	12	6
β - Mast/fork carriage tilt, backward	°	10	10	6
h1 - Mast lowered height	mm	1998	2198	2348
h2 - Mast free lift	mm	1305	1505	1655
h3 - Mast lifting height	mm	3700	4300	4700
h4 - Mast extended height	mm	4453	5053	5453
Residual capacity at max height	kg	1600	1000	600
Residual capacity with hooked-on side shift at max height	kg	1550	1000	600
Height at max capacity	mm	3400	3400	3400
Height at max capacity with hooked-on sideshift	mm	3300	3400	3400

Full Visibility Triplex (FVT)

	FVT 33
α - Mast/fork carriage tilt, forward	°
β - Mast/fork carriage tilt, backward	°
h1 - Mast lowered height	mm
h2 - Mast free lift	mm
h3 - Mast lifting height	mm
h4 - Mast extended height	mm
Residual capacity at max height	kg
Residual capacity with hooked-on side shift at max height	kg
Height at max capacity	mm
Height at max capacity with hooked-on sideshift	mm

Equipment

Standard

Differential Lock
Distributor with lever in cross - 2 hydraulic movements
Ecostop
Front tires - SOLIDEAL - SL-R4 - 12.5/80 R18 12-Ply - Rough terrain
Mechanical suspension vinyl seat - PILOT
Rear tires - SOLIDEAL - XTRA SKS - 27x10-12 R12 12-Ply - Rough terrain

Optional

4th hydraulic movement
Air suspension fabric seat - GRAMMER
Closed cab
Electrovalve 3 hydraulic functions on the_top of theboom
Enclosed cab buggy version
Joystick Switch and Move (JSM)
LED Rotative Beacon
LED front work lights (x2)
Load backrest
Open cab buggy version
Radio



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