

Technical sheet :

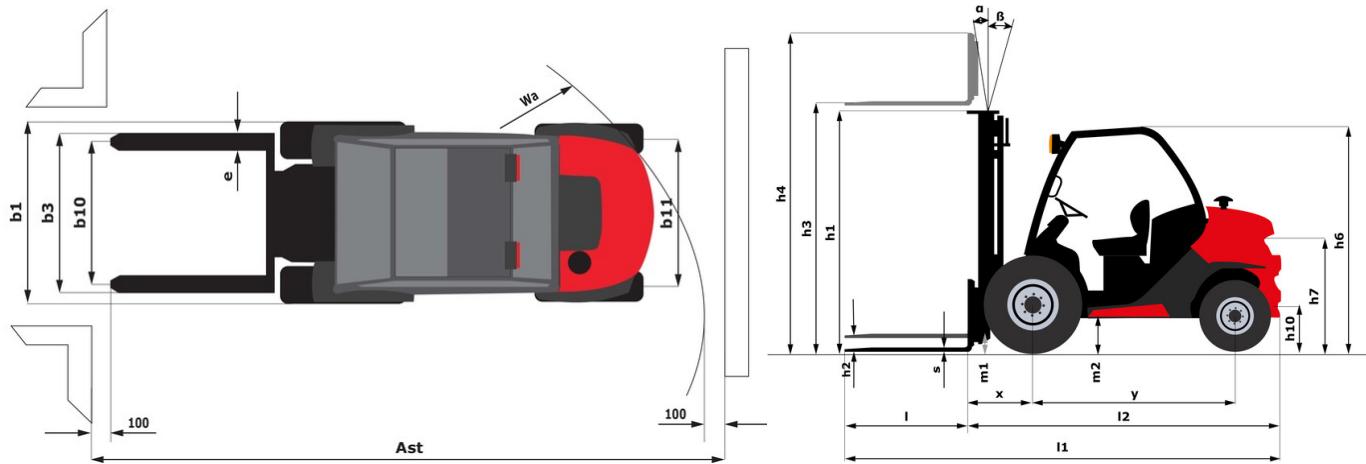
MC 18-4 ST5



 **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	Q	1800 kg
1.6	Load center of gravity	c	500 mm
1.8	Load distance, centre of drive axle to fork	x	616 mm
1.9	Wheelbase	y	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		2 / 2
3.5	Number of front wheels / rear wheels		4
3.5.2	Number of drive wheels		1159 mm
3.6	Front wheel gauge	b10	1176 mm
3.7	Rear wheel gauge	b11	
Dimensions			
4.7	Height of overhead guard (cabin) / Overall height of low overhead guard (Buggy version)	h6 / h6*	2155 mm / 1990 mm
4.8	Seat height/stand height	h7	1094 mm
4.19	Overall length	l1	4100 mm
4.20	Length to face of forks	l2	2950 mm
4.21	Overall width	b1	1450 mm
4.22	Forks section x width x length	s / e / l	35 mm x 100 mm / 1150 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	310 mm
4.35	Turning radius	Wa	3370 mm
Performances			
5.1	Travel speed (laden / unladen)		12 km/h / 23.50 km/h
5.2	Lifting speed (laden / unladen)		0.44 m/s / 0.44 m/s
5.3	Lowering speed (laden / unladen)		0.40 m/s / 0.40 m/s
5.5	Drawbar pull (Laden)		1800 daN
5.7	Gradeability (laden)		35 %
5.10	Service brake		Hydraulic brakes by loss of pressure
	Transmission type		Hydrostatic
Engine			
7.1	Engine brand / model / norm		Kubota / D1803 CR E5B / Stage V
7.2	Engine power (Hp / kW)		37 Hp/27 kW
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		160 bar
8.3	Oil flow rate for attachments		31 l/min

MC 18-4 ST5 - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)	
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

FVD 33	FVD 37	FVD 40	FVD 45
12	12	12	12
10	10	10	10
2348	2608	2798	3048
85	85	85	85
3300	3700	4000	4500
4018	4428	4768	5268
1800	1800		1100
1800	1800		1100
3300	3700		3600
3300	3700		3600

Free Lift Triplex (FLT)	
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

FLT 37	FLT 43	FLT 47	FLT 55
12	12	12	6
10	10	10	6
1998	2198	2348	2608
1305	1505	1655	1915
3700	4300	4700	5500
4453	5053	5453	6253
1600	1000	600	
1550	1000	600	
3400	3400	3400	
3300	3400	3400	

Full Visibility Triplex (FVT)	
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

FVT 33
12
10
1888
135
3300
4048
1800
1800
3300
3300

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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