Technical sheet :

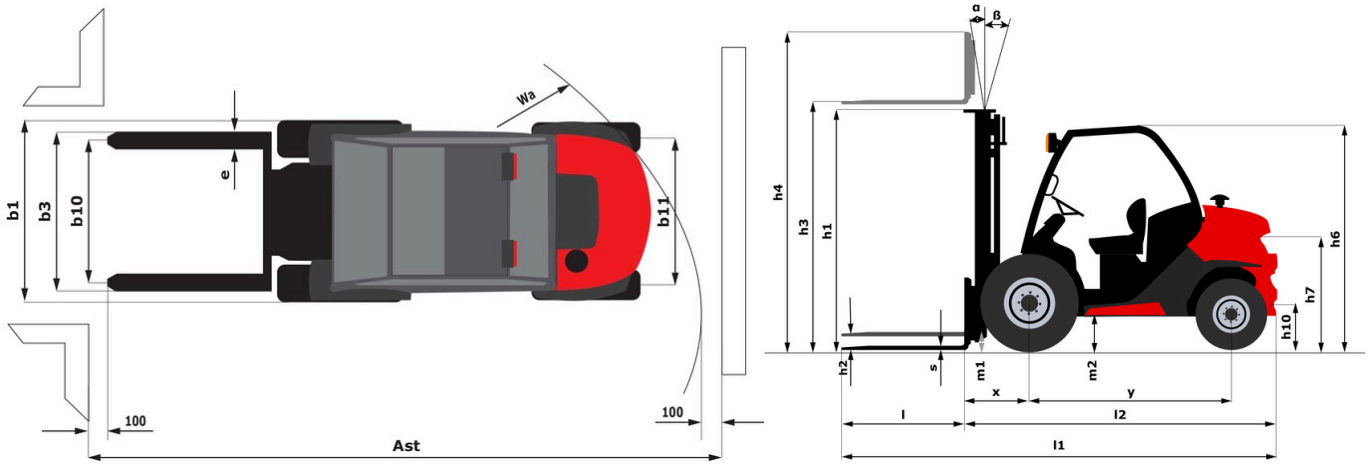
MC 30-4 ST5



MANITOU
HANDLING YOUR WORLD

	Technical characteristics		Imperial
1.1	Manufacturer		Manitou
1.2	Model Name		MC 30-4 ST5
1.3	Power source		Diesel
1.4	Operator type		Seated
1.5	Max. capacity	Q	6614 lb
1.6	Load center of gravity	c	20 in
1.8	Load distance, centre of drive axle to fork	x	25 in
1.9	Wheelbase	y	75 in
	Weight		
	Standard mast reference of the machine		FVD 33
2.1	Service weight		9789 lb
2.2	Weight on front axle (laden) / rear axle (laden)		14661 lb / 1742 lb
	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		27x10-12 SKS
3.5	Number of front wheels / rear wheels		2 / 2
3.5.2	Number of drive wheels		4
3.6	Front wheel gauge	b10	46 in
3.7	Rear wheel gauge	b11	46 in
	Dimensions		
4.7	Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)	h6	85 in / 78 in
4.8	Seat height/stand height	h7	43 in
4.19	Overall length	l1	167 in
4.20	Length to face of forks	l2	121 in
4.21	Overall width	b1	57 in
4.22	Forks section x width x length	s / e / l	2 in x 4 in / 47 in
4.23	Fork carriage ISO 2328 (class/form) A/B		3A
4.31	Ground clearance below mast	m1	12 in
4.32	Ground clearance at centre of wheelbase	m2	12 in
4.33	Aisle width for 1000 x 1200 pallet widthways	Ast	215 in
4.35	Turning radius	Wa	135 in
	Performances		
5.1	Travel speed (laden / unladen)		7 mph / 15 mph
5.2	Lifting speed (laden / unladen)		2 ft/s / 2 ft/s
5.3	Lowering speed (laden / unladen)		2 ft/s / 0.98 ft/s
5.5	Drawbar pull (Laden)		3100 daN
5.7	Gradeability (laden)		46 %
5.10	Service brake		Hydraulic brakes by loss of pressure
	Transmission type		Hydrostatic
	Engine		
7.1	Engine brand / model / norm		Kubota / D1803 CRT E5B / Stage V
7.2	Engine power (Hp / kW)		50 Hp/37 kW
7.3	Rated speed		2700 rpm
7.4	Number of cylinders / Capacity of cylinders		3 - 111 in³
	Miscellaneous		
8.1	Type of drive control		Electronic
8.3	Oil flow rate for attachments		11 US gpm
8.4	Sound level at the driver's ear according to DIN 12 053		79 dB

MC 30-4 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	in	92	102.3	119.6
h2 - Mast free lift	in	4.6	4.6	4.6
h3 - Mast lifting height	in	129.9	145.7	177.2
h4 - Mast extended height	in	161	176.8	208.3
Residual capacity at max height	lb	3086	3086	1102
Residual capacity with hooked-on side shift at max heigth	lb	3086	3086	1102
Height at max capacity	in	106.3	106.3	110.2
Height at max capacity with hooked-on sideshift	in	106.3	106.3	110.2

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	in	78.3	82.2	86.1	92	96	109.8
h2 - Mast free lift	in	48.6	52.6	56.5	62.4	66.3	80.1
h3 - Mast lifting height	in	133.9	145.7	157.5	169.3	185	216.5
h4 - Mast extended height	in	166.8	178.6	190.4	202.2	218	249.4
Residual capacity at max height	lb	4189	3307	2866	3086	948	1102
Residual capacity with hooked-on side shift at max heigth	lb	3968	3086	2756		882	882
Height at max capacity	in	106.3	102.4	106.3	122	106.3	98.4
Height at max capacity with hooked-on sideshift	in	106.3	102.4	106.3		106.3	98.4

Full Visibility Triplex (FVT)		FVT 33
α - Mast/fork carriage tilt, forward	°	12
β - Mast/fork carriage tilt, backward	°	10
h1 - Mast lowered height	in	73.9
h2 - Mast free lift	in	5.1
h3 - Mast lifting height	in	129.9
h4 - Mast extended height	in	160.6
Height at max capacity	in	98.4

Equipment

Standard
Differential Lock
Easy link
Ecostop
Enclosed cab
Front tires - Rough terrain profil
Inching Pedal
Mechanical suspension PVC seat - Grammer MSG65
Open cab
Operation Safety System (OSS)
Rear tires - Rough terrain profil
Rear working light
Switch 2WD / 4WD

Optional
Audio warning on reverse
Enclosed Cab with Heat and A/C
Front and Rear - Work Lights
Joystick Switch and Move (JSM)
LED Rotative Beacon
Load backrest
Open cab
Pneumatic seat
Sideshift carriage

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