Technical sheet :

MC 30-4 ST5

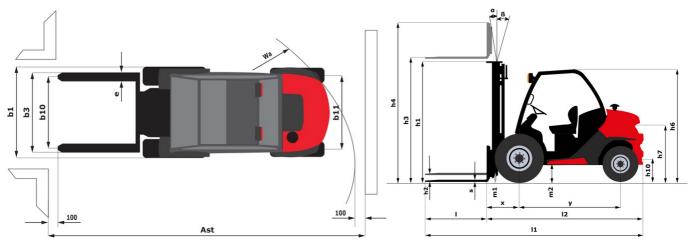




	Technical characteristics	
1.1	Manufacturer	
1.2	Model Name	
1.3	Power source	
1.4	Operator type	
1.5	Max. capacity	Q
1.6	Load center of gravity	С
1.8	Load distance, centre of drive axle to fork	х
1.9	Wheelbase	У
	Weight	
	Standard mast reference of the machine	
2.1	Service weight	
2.2	Weight on front axle (laden) / rear axle (laden)	
	Wheels	
3.1	Tires type	
3.2	Dimensions of front wheels	
3.3	Dimensions of rear wheels	
3.5	Number of front wheels / rear wheels	
3.5.2	Number of drive wheels	
3.6	Front wheel gauge	b10
3.7	Rear wheel gauge	b11
	Dimensions	
4.7	Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)	h6 / h6*
4.8	Seat height/stand height	h7
4.19	Overall length	l1
4.20	Length to face of forks	12
4.21	Overall width	b1
4.22	Forks section x width x length	s/e/l
4.23	Fork carriage ISO 2328 (class/form) A/B	57071
4.31	Ground clearance below mast	m1
4.31	Ground clearance at centre of wheelbase	m2
4.33	Aisle width for 1000 x 1200 pallet widthways	Ast
4.35	Tuming radius	Wa
4.33	Performances	Wd
5.1		
5.1	Travel speed (laden / unladen)	
	Lifting speed (laden / unladen)	
5.3	Lowering speed (laden / unladen)	
5.5	Drawbar pull (Laden)	
5.7	Gradeability (laden)	
5.10	Service brake	
7.0	Engine	
7.2	Engine power according to ISO 1585	
7.1	Engine brand / model / norm	
7.2	Engine power according to ISO 1585	
7.3	Rated speed	
7.4	Number of cylinders / Capacity of cylinders	
	Miscellaneous	
8.1	Type of drive control	
8.3	Oil flow rate for attachments	
8.4	Sound level at the driver's ear according to DIN 12 053	

Metric	
Manitou	
MC 30-4 ST5	
Diesel	
Seated	
3000 kg	
500 mm	
626 mm	
1900 mm	
FVD 33	
4440 kg	
6650 kg / 790 kg	
Pneumatic	
12,5/80-18/12 SL R4	
27x10-12 SKS	
2 / 2	
4	
1159 mm	
1176 mm	
2155 mm / 1990 mm	
1094 mm	
4235 mm	
3085 mm	
1450 mm	
45 mm x 100 mm / 1200 mm	
3A	
300 mm	
310 mm	
5461 mm	
3435 mm	
10 km/h / 04 50 km //	
12 km/h / 24.50 km/h 0.47 m/s / 0.46 m/s	
0.47 m/s / 0.46 m/s 0.50 m/s / 0.30 m/s	
0.50 m/s / 0.30 m/s 3100 daN	
46 %	
40 % Hydraulic brakes by loss of pressure	
	_
37 kW	
Kubota / D1803 CRT E5B / Stage V	
37 kW	
2700 rpm	
3 - 1826 cm ³	
Electronic	
42 l/min	

MC 30-4 ST5 - Dimensional drawing



Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 33	FVD 37	FVD 45
Mast/fork carriage tilt, forward	۰	12	12	12
Mast/fork carriage tilt, backward	٥	10	10	10
h1 - Mast lowered height	mm	2338	2598	3038
h2 - Mast free lift	mm	117	117	117
h3 - Mast lifting height	mm	3300	3700	4500
h4 - Mast extended height	mm	4090	4490	5290
Residual capacity at max height	kg	1400	1400	500
Residual capacity with hooked-on side shift at max heigth	kg	1400	1400	500
Height at max capacity	mm	2700	2700	2800
Height at max capacity with hooked-on sideshift	mm	2700	2700	2800

Free Lift Triplex (FLT)		FLT 34	FLT 37	FLT 40	FLT 43	FLT 47	FLT 55
Mast/fork carriage tilt, forward	٥	12	12	12	12	12	6
Mast/fork carriage tilt, backward	٥	10	10	10	10	10	6
h1 - Mast lowered height	mm	1988	2088	2188	2338	2438	2788
h2 - Mast free lift	mm	1235	1335	1435	1585	1685	2035
h3 - Mast lifting height	mm	3400	3700	4000	4300	4700	5500
h4 - Mast extended height	mm	4236	4536	4836	5136	5536	6336
Residual capacity at max height	kg	1900	1500	1300	1400	430	500
Residual capacity with hooked-on side shift at max heigth	kg	1800	1400	1250		400	400
Height at max capacity	mm	2700	2600	2700	3100	2700	2500
Height at max capacity with hooked-on sideshift	mm	2700	2600	2700		2700	2500

Full Visibility Triplex (FVT)	FVT 33
Mast/fork carriage tilt, forward	° 12
Mast/fork carriage tilt, backward	° 10
h1 - Mast lowered height mr	n 1878
h2 - Mast free lift mr	n 129
h3 - Mast lifting height mr	n 3300
h4 - Mast extended height mr	n 4079
Height at max capacity mr	n 2500



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