

Technical sheet :

# M 30-4 ST5

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Technical characteristics			Metric	Imperial
1.1	Manufacturer		MANITOU	MANITOU
1.2	Model Name		M 30-4 ST5	M 30-4 ST5
1.3	Power source		Diesel	Diesel
1.4	Operator type		Sitting	Sitting
1.5	Max. capacity	Q	3000 kg	6614 lb
1.6	Load center of gravity	c	500 mm	20 in
1.8	Load distance, centre of drive axle to fork	x	747 mm	29 in
1.9	Wheelbase	y	1995 mm	79 in
Weight				
2.1	Service weight		5965 kg	13151 lb
2.2	Weight on front axle (laden) / rear axle (laden)		7490 kg / 1475 kg	16513 lb / 3252 lb
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		2155 kg / 3810 kg	4751 lb / 8400 lb
Wheels				
3.1	Tyres type		Pneumatic	Pneumatic
3.2	Dimensions of front wheels		405/70-20 149B 1323	405/70-20 149B 1323
3.3	Dimensions of rear wheels		10,5-18 12PR 1317	10,5-18 12PR 1317
3.5	Number of front wheels / rear wheels		2 / 2	2 / 2
3.5.2	Number of drive wheels		4	4
3.6	Front wheel gauge	b10	1520 mm	60 in
3.7	Rear wheel gauge	b11	1630 mm	64 in
Dimensions				
4.7	Height of overhead guard (cabin) / Overall height of low overhead guard (Buggie version)	h6 / h6*	2458 mm / 2458 mm	97 in / 97 in
4.8	Seat height/stand height	h7	1426 mm	56 in
4.19	Overall length	l1	4701 mm	185 in
4.20	Length to face of forks	l2	3501 mm	138 in
4.21	Overall width	b1	1927 mm	76 in
4.22	Forks section x width x length	s / e / l	40 mm x 125 mm / 1200 mm	2 in x 5 in / 47 in
4.23	Fork carriage ISO 2328 (class/form) A/B		3A	3A
4.24	Fork carriage width	b3	1470 mm	58 in
4.31	Ground clearance below mast	m1	399 mm	16 in
4.32	Ground clearance at centre of wheelbase	m2	395 mm	16 in
4.33	Aisle width for 1000 x 1200 pallet widthways	Ast	6180 mm	243 in
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	6180 mm	243 in
4.35	Turning radius	Wa	4030 mm	159 in
Performances				
5.1	Travel speed (laden / unladen)		10 km/h / 22 km/h	6 mi/h / 14 mi/h
5.2	Lifting speed (laden / unladen)		0.60 m/s / 0.60 m/s	2 ft/s / 2 ft/s
5.3	Lowering speed (laden / unladen)		0.40 m/s / 0.40 m/s	1 ft/s / 1 ft/s
5.5	Drawbar pull (Laden / Unladen)		6290 daN / 4250 daN	6290 daN / 4250 daN
5.10	Service brake		Hydraulic	Hydraulic
Engine				
7.1	Engine brand / model		Deutz / TCD 2,9	Deutz / TCD 2,9
7.2	Engine power according to ISO 1585		55 kW	55 kW
7.3	Rated speed		2300 rpm	2300 rpm
7.4	Number of cylinders / Capacity of cylinders		4 - 2925 cm³	4 - 178 in³
Miscellaneous				
8.2	Working hydraulic pressure for attachments		185 bar	2683 PSI
8.3	Oil flow rate for attachments		97 l/min	26 US gpm
8.4	Sound level at the driver's ear according to DIN 12 053		78 dB	78 dB

M 30-4 ST5 - Dimensional drawing



## Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 37	FVD 45
Mast/fork carriage tilt, forward	°	6	6
Mast/fork carriage tilt, backward	°	12	12
h1 - Mast lowered height	mm	2689	3129
h3 - Mast lifting height	mm	3700	3700
h4 - Mast extended height	mm	4619	5419
Residual capacity at max height	kg	3000	3000
Residual capacity with hooked-on side shift (Industrial load chart)	kg	3000	3000
Height at max capacity	mm	3700	4500
Height at max capacity with hooked-on sideshift	mm	3700	4500

Free Lift Triplex (FLT)		FLT 43	FLT 50	FLT 65
Mast/fork carriage tilt, forward	°	6	6	6
Mast/fork carriage tilt, backward	°	12	12	12
h1 - Mast lowered height	mm	2429	2689	3379
h2 - Mast free lift	mm	1573	1833	2523
h3 - Mast lifting height	mm	3700	3700	3700
h4 - Mast extended height	mm	5227	5927	7427
Residual capacity at max height	kg	3000		
Residual capacity with hooked-on side shift (Industrial load chart)	kg	3000	1600	500
Height at max capacity	mm	4300		
Height at max capacity with hooked-on sideshift	mm	3000	4100	4300

Full Visibility Triplex (FVT)		FVT 55
Mast/fork carriage tilt, forward	°	6
Mast/fork carriage tilt, backward	°	10
h1 - Mast lowered height	mm	2959
h3 - Mast lifting height	mm	3700
h4 - Mast extended height	mm	6557
Residual capacity at max height	kg	2000
Residual capacity with hooked-on side shift (Industrial load chart)	kg	1500
Height at max capacity	mm	4200
Height at max capacity with hooked-on sideshift	mm	4200



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