

Technical sheet :

MT 935 75D ST5



 **MANITOU**
HANDLING YOUR WORLD

Capacities		Metric	Imperial
Max. capacity		3500 kg	7716 lb
Max. lifting height		9 m	29 ft 6 in
Max. outreach		6.40 m	21 ft
Breakout force with bucket		7180 daN	7180 daN
Weight and dimensions			
Overall length to carriage	l11	4.70 m	15 ft 5 in
Length to face of forks	l2	4.78 m	15 ft 8 in
Overall length (with forks)	l1	5.98 m	19 ft 7 in
Overall width	b1	2.27 m	7 ft 6 in
Overall height	h17	2.48 m	8 ft 2 in
Wheelbase	y	2.80 m	9 ft 2 in
Ground clearance	m4	0.42 m	1 ft 5 in
Overall cab width	b4	0.95 m	3 ft 1 in
Tilt-up angle	a4	13 °	13 °
Tilt-down angle	a5	114 °	114 °
External turning radius	Wa3	3.77 m	12 ft 4 in
External turning radius (over tyres)	Wa1	3.78 m	12 ft 5 in
Unladen weight (with forks)		7480 kg	16491 lb
Overall weight		7480 kg	16491 lb
Tires type		Pneumatic	Pneumatic
Standard tires		ALLIANCE 400/80-24 162A8 A325	ALLIANCE 400/80-24 162A8 A325
Standard tires		Alliance 400/80 - 24 - 162A8	Alliance 400/80 - 24 - 162A8
Forks length / width / section	l / e / s	1200 mm x 100 mm / 50 mm	47 in x 4 in / 2 in
Performances			
Lifting		7.20 s	7.20 s
Lowering		4.70 s	4.70 s
Extension		11 s	11 s
Retraction		7 s	7 s
Crowd		3 s	3 s
Dump		3.40 s	3.40 s
Engine			
Engine brand		Deutz	Deutz
Engine norm		Stage V / Tier 4 Final	Stage V / Tier 4 Final
Engine model		TCD 2.9l 2501-7118	TCD 2.9l 2501-7118
Number of cylinders / Capacity of cylinders		4 - 2924 cm ³	4 - 178 in ³
I.C. Engine power rating - Power		75 Hp / 55.40 kW	75 Hp / 55.40 kW
Max. torque / Engine rotation		375 Nm @ 1400 rpm	277 ft/lbs @ 1400 rpm
Drawbar pull (Laden)		7220 daN	7220 daN
Electric circuit			
12V Battery capacity		110 Ah	110 Ah
Transmission			
Transmission type		Torque converter	Torque converter
Number of gears (forward / reverse)		4 / 4	4 / 4
Max. travel speed		24.70 km/h	15 mph
Parking brake		Automatic parking brake	Automatic parking brake
Service brake		Hydraulic servo brake	Hydraulic servo brake
Hydraulics			
Hydraulic pump type		Axial piston	Axial piston
Hydraulic Pressure		270 bar	3916 PSI
Tank capacities			
Engine oil		8.50 l	2 US gal
Hydraulic oil		90 l	24 US gal
Fuel tank		137 l	36 US gal
Noise and vibration			
Noise at driving position (LpA)		77 dB	77 dB
Noise to environment (LwA)		104 dB	104 dB
Vibration on hands/arms		< 2.50 m/s ²	< 2.50 m/s ²
Miscellaneous			
Steering wheels (front / rear)		2 / 2	2 / 2
Drive wheels (front / rear)		2 / 2	2 / 2
Safety / Safety cab homologation		Standard EN 15000 / ROPS - FOPS level 2 cab	Standard EN 15000 / ROPS - FOPS level 2 cab
Controls		JSM	JSM



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