Technical sheet :

MT 735 75D ST5

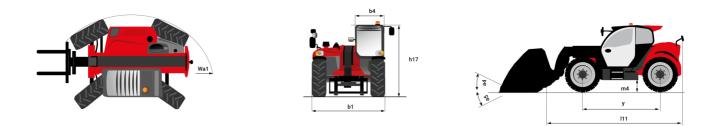




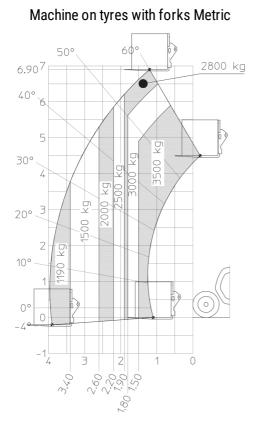
мт 735 75D 5т5 Created on October 10, 2023 at 8:41:20 AM UTC

Capacities		Metric	Imperial
Max. capacity		3500 kg	7716 lb
Max. Lifting height		6.90 m	22 ft 8 in
Max. outreach		4 m	13 ft 1 in
Breakout force with bucket		6850 daN	6850 daN
Weight and dimensions			0050 0810
	111	4.70 m	15 ft 5 in
Overall length to carriage			
Length to face of forks	12	4.78 m	15 ft 8 in
Overall length (with forks)	11	5.98 m	19 ft 8 in
Overall width	b1	2.27 m	7 ft 6 in
Overall height	h17	2.48 m	8 ft 2 in
Wheelbase	У	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	3.78 m	12 ft 5 in
External turning radius (over tyres)	Wa1	3.78 m	12 ft 5 in
Unladen weight (with forks)		6930 kg	15278 lb
Unladen weight		6610 kg	14573 lb
Overall weight		6930 kg	15278 lb
Tyres type		Pneumatic	Pneumatic
Standard tyres		ALLIANCE 400/80-24 162A8 A325	ALLIANCE 400/80-24 162A8 A325
Standard tyres		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		5.90 s	5.90 s
Lowering		4.20 s	4.20 s
Extension		12.30 s	12.30 s
Retraction		4.70 s	4.70 s
Crowd		4.70 s 3.50 s	4.70 s 3.50 s
Dump		3.60 s	3.60 s
Engine			
Engine brand		Deutz	Deutz
Engine norm		Stage V / Tier 4 Final	Stage V / Tier 4 Final
Engine model		TCD 3.6 L	TCD 3.6 L
Number of cylinders / Capacity of cylinders		4 - 2924 cm ³	4 - 178 in ³
I.C. Engine power rating - Power (kW)		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 mi/h
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		260 bar	3771 PSI
Tank capacities			
Engine oil		8.50 l	2 US gal
Hydraulic oil		149	39 US gal
Fuel tank		1491	39 US gal
Noise and vibration		13/1	30 US Yal
Naise at driving position (1 - A)		77 dB	77 dB
Noise at driving position (LpA)		404 :-	4
Noise to environment (LwA)		104 dB	104 dB
Noise to environment (LwA) Vibration on hands/arms		104 dB < 2.50 m/s²	104 dB < 2.50 m/s²
Noise to environment (LwA) Vibration on hands/arms Miscellaneous		< 2.50 m/s²	< 2.50 m/s²
Noise to environment (LwA) Vibration on hands/arms Miscellaneous Steering wheels (front / rear)	-	< 2.50 m/s² 2 / 2	< 2.50 m/s² 2 / 2
Noise to environment (LwA) Vibration on hands/arms Miscellaneous		< 2.50 m/s²	< 2.50 m/s²

MT 735 75D ST5 - Dimensional drawing



MT 735 75D ST5 - Load chart





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