Technical sheet:

MT 735 75D ST5

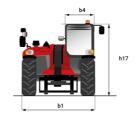


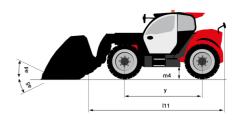


	MT 735 75D ST5 Created on November 14, 2025 at 5:30 PM C
Capacities	Imperial
Max. capacity	7716 lb
Max. lifting height	22 ft 8 in
Maximum outreach	13 ft 1 in
Breakout force with bucket	6850 daN
Weight and dimensions	
Overall length to carriage	I11 15 ft 5 in
Length to face of forks	I2 15 ft 8 in
Overall length (with forks)	l1 19 ft 8 in
Overall width	b1 7 ft 6 in
Overall height	h17 8 ft 2 in
Wheelbase	y 9 ft 2 in
Ground clearance	m4 1 ft 5 in
Overall cab width	b4 3 ft 1 in
Tilt-up angle	a4 13°
Tilt-down angle	a5 114°
External turning radius	Wa3 12 ft 5 in
External turning radius (over tyres)	Wa1 12 ft 5 in
Unladen weight (with forks)	15278 lb
Unladen weight	14573 lb
Overall weight	15278 lb
Tires type	Inflatable
Standard tires	Alliance 400/80 - 24 -162A8
Forks length / width / section	1/e/s 47 in x 4 in x 2 in
Performances	17673 47 111 X 2 111
Lifting	5.90 s
	4.20 s
Lowering	
Extension	12.30 s
Retraction	4.70 s
Crowd	3.50 s
Dump	3.60 s
Engine	
Engine brand	Deutz
Engine norm	Stage V / Tier 4 Final
Engine model	TCD 3.6 L
Number of cylinders / Capacity of cylinders	4 - 178 in ³
Engine power (Hp/kW)	75 Hp / 55.40 kW
Max. torque / Engine rotation	277 ft/lbs @ 1400 rpm
Drawbar pull (Laden)	7220 daN
HVO validated (according to EN 15940 standard)	Yes
Electric circuit	
12V Battery capacity	110 Ah
Transmission	
Transmission type	Torque converter
Number of gears (forward / reverse)	4 / 4
Max. travel speed	15 mph
Max. travel speed (may vary according to applicable regulations)	15 mph
Parking brake	Automatic parking brake
Service brake	Hydraulic servo brake
Hydraulics	
Hydraulic pump type	Axial piston
Hydraulic flow / Pressure	29 US gpm-3771 PSI
Tank capacities	
Engine oil	2 US gal
Hydraulic oil	34 US gal
Fuel	27 US gal
Noise and vibration	
Noise at driving position (LpA)	77 dB
Noise at anving position (LpA) Noise to environment (LwA)	77 as 104 dB
Vibration on hands/arms	< 8 ft/s²
Miscellaneous Observed to the Country	
Steering wheels (front / rear)	2/2
Drive wheels (front / rear)	2/2
Safety / Cab certification	Standard EN 15000 / Cabin ROPS - FOPS level 2
Controls	JSM

MT 735 75D ST5 - Dimensional drawing

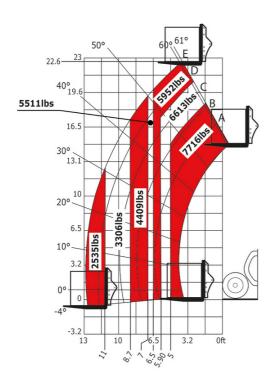






MT 735 75D ST5 - Load chart

Machine on tires with forks Imperial







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