

Technical sheet :

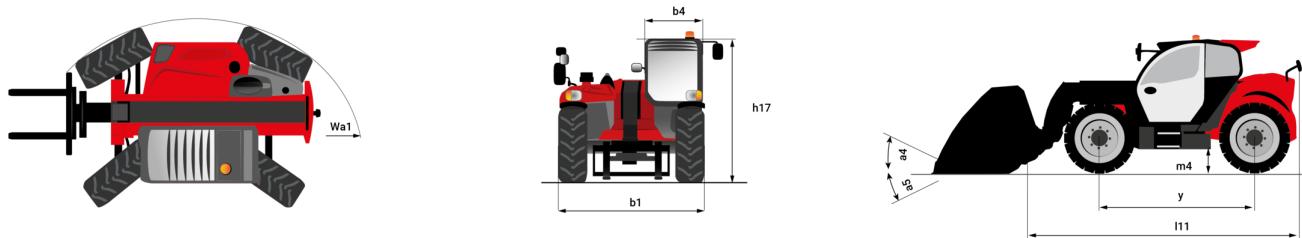
# MT 735 75D ST5



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HANDLING YOUR WORLD

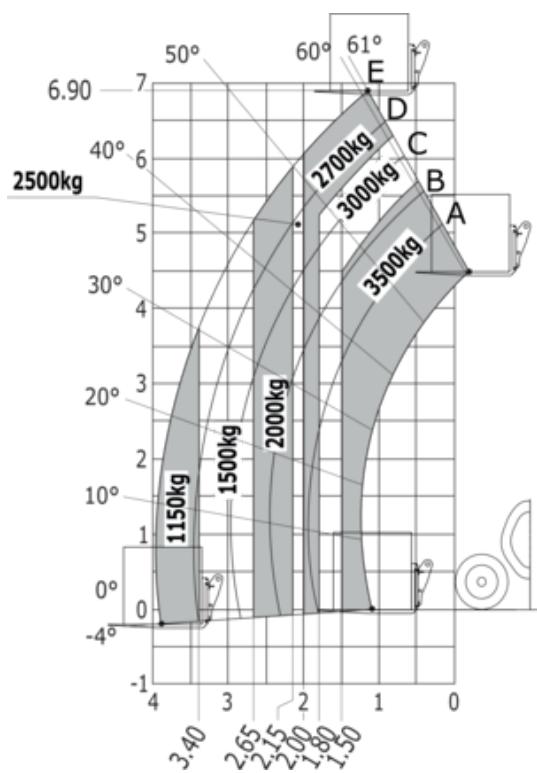
Capacities		Metric	
Max. capacity		3500 kg	
Max. lifting height		6.90 m	
Maximum outreach		4 m	
Breakout force with bucket		6850 daN	
Weight and dimensions			
Overall length to carriage	I11	4.70 m	
Length to face of forks	I2	4.78 m	
Overall length (with forks)	I1	5.98 m	
Overall width	b1	2.27 m	
Overall height	h17	2.48 m	
Wheelbase	y	2.80 m	
Ground clearance	m4	0.42 m	
Overall cab width	b4	0.95 m	
Tilt-up angle	a4	13 °	
Tilt-down angle	a5	114 °	
External turning radius	Wa3	3.78 m	
External turning radius (over tyres)	Wa1	3.78 m	
Unladen weight (with forks)		6930 kg	
Unladen weight		6610 kg	
Overall weight		6930 kg	
Tires type		Inflatable	
Standard tires		Alliance 400/80 - 24 -162A8	
Forks length / width / section	I / e / s	1200 mm x 100 mm x 50 mm	
Performances			
Lifting		5.90 s	
Lowering		4.20 s	
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 - 2924 cm³	
Engine power (Hp/kW)		75 Hp / 55.40 kW	
Max. torque / Engine rotation		375 Nm @ 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		24.70 km/h	
Max. travel speed (may vary according to applicable regulations)		24.70 km/h	
Parking brake		Automatic parking brake	
Service brake		Hydraulic servo brake	
Hydraulics			
Hydraulic pump type		Axial piston	
Hydraulic flow / Pressure		110 l/min-260 bar	
Tank capacities			
Engine oil		8.50 l	
Hydraulic oil		129 l	
Fuel		103 l	
Noise and vibration			
Noise at driving position (LpA)		77 dB	
Noise to environment (LWA)		104 dB	
Vibration on hands/arms		2.50 m/s²	
Miscellaneous			
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 Metric



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