

Technical sheet :

# **MT 1335 HA 100D ST5**

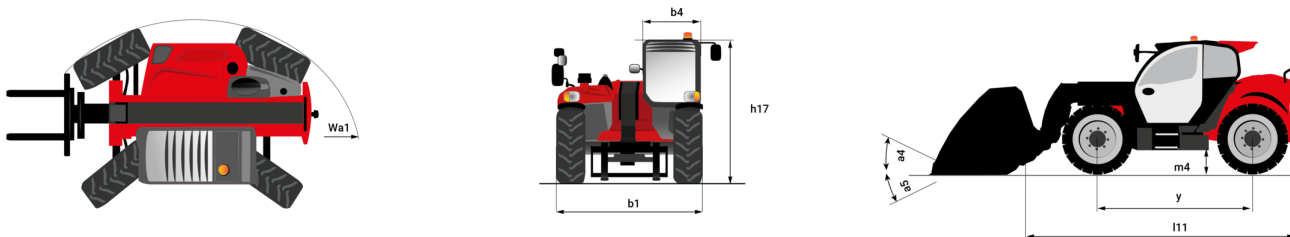
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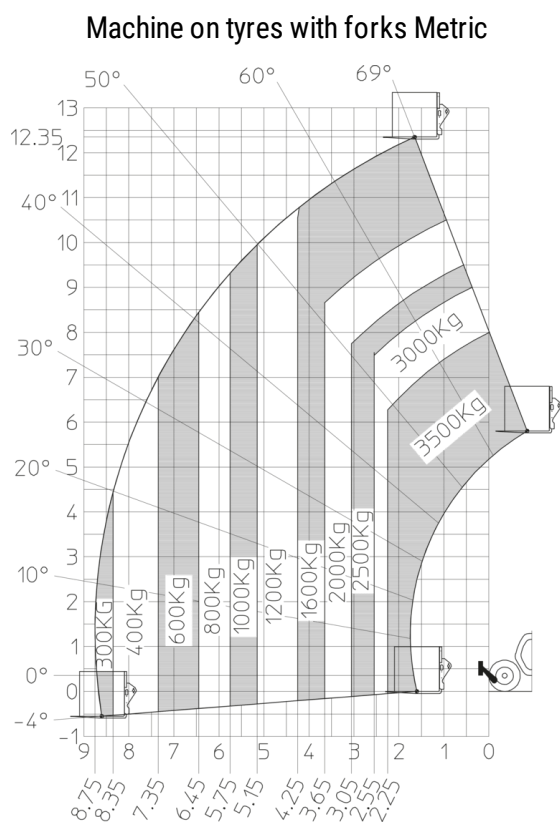
 **MANITOU**  
HANDLING YOUR WORLD

Capacities		Metric	Imperial
Max. capacity		3500 kg	7716 lb
Max. lifting height		12.60 m	41 ft 4 in
Max. outreach		8.65 m	28 ft 5 in
Breakout force with bucket		7400 daN	7400 daN
Weight and dimensions			
Overall length to carriage	l11	5.72 m	18 ft 9 in
Length to face of forks	l2	5.72 m	18 ft 9 in
Overall length (with forks)	l1	6.92 m	22 ft 9 in
Overall width	b1	2.28 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	425 mm	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)		9470 kg	20878 lb
Overall weight		9470 kg	20878 lb
Tyres type		Pneumatic	Pneumatic
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		10.30 s	10.30 s
Lowering		9.60 s	9.60 s
Extension		14.70 s	14.70 s
Retraction		9.90 s	9.90 s
Crowd		3.20 s	3.20 s
Dump		3.80 s	3.80 s
Engine			
Engine brand		Deutz	Deutz
Engine norm		Stage V	Stage V
Engine model		TCD 3.6L	TCD 3.6L
Number of cylinders / Capacity of cylinders		4 - 3621 cm <sup>3</sup>	4 - 221 in <sup>3</sup>
I.C. Engine power rating - Power (kW)		100 Hp / 74.40 kW	100 Hp / 74 kW
Max. torque / Engine rotation		410 Nm @ 1600 rpm	302 ft/lbs @ 1600 rpm
Drawbar pull (Laden)		6900 daN	6900 daN
Electric circuit			
12V Battery capacity		180 Ah	180 Ah
Transmission			
Transmission type		Hydrostatic	Hydrostatic
Number of gears (forward / reverse)		2 / 2	2 / 2
Max. travel speed		24.90 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		270 bar	3916 PSI
Tank capacities			
Engine oil		8.50 l	2 US gal
Hydraulic oil		153 l	40 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 <sup>2</sup>	< 2.50 m/s <sup>2</sup>
Miscellaneous			
Steering wheels (front / rear)		2 / 2	2 / 2
Drive wheels (front / rear)		2 / 2	2 / 2
Safety / Safety cab homologation		Standard EN 15000 / Cabin ROPS - FOPS Level 2	Standard EN 15000 / Cabin ROPS - FOPS Level 2
Controls		JSM	JSM

MT 1335 HA 100D ST5 - Dimensional drawing



MT 1335 HA 100D ST5 - Load chart





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