Technical sheet :

MT 1840 A 100D ST5 S1

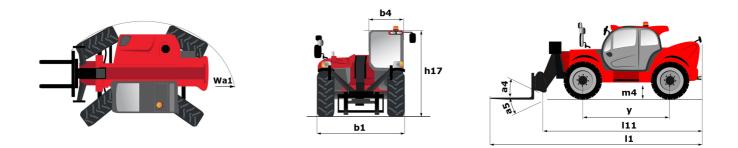




MT 1840 A 100D ST5 S1 Created on 20 May 2024 at 21:37:22 UTC

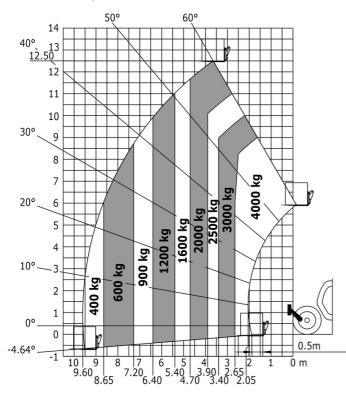
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Capacities	Metric	
Max. capacity	4000 kg	
Max. lifting height	17.55 m	
Max. outreach	13.08 m	
Breakout force with bucket	8391 daN	
Weight and dimensions		
Overall length to carriage	l11 6.15 m	
Length to face of forks	l2 6.27 m	
Overall width	b1 2.36 m	
Overall height	h17 2.45 m	
Wheelbase	y 3.07 m	
Ground clearance	m4 0.37 m	
Overall cab width	b4 0.89 m	
Tilt-up angle	a4 12 °	
	a4 12 a5 114°	
Tilt-down angle		
External turning radius (over tyres)	Wa1 3.94 m	
Unladen weight (with forks)	12650 kg	
Overall weight	12400 kg	
Tires type	Pneumatic	
Standard tires	Alliance 400/80 - 24 - 162A8	
Forks length / width / section	l / e / s 1200 mm x 125 mm / 50 mm	
Performances		
Lifting	14 s	
Lowering	14 s	
Extension	19 s	
Retraction	15 s	
Scoop	5 s	
Dump	5 s	
Engine		
Engine brand	Deutz	
Engine norm	Stage V	
Engine model	TCD 3.6	
Number of cylinders / Capacity of cylinders	4 - 3621 cm³	
I.C. Engine power rating - Power	100 Hp / 75 kW	
Max. torque / Engine rotation	410 Nm @ 1600 rpm	
Drawbar pull (Laden)	8391 daN	
Transmission		
	Tarrie converter	
Transmission type	Torque converter	
Number of gears (forward / reverse)	4 / 4	
Travel speed (laden)	25 km/h	
Max. travel speed	24.90 km/h	
Parking brake	Automatic negative parking brake	
Service brake	Oil-immersed multi-discs on front & rear	axles
Hydraulics		
Hydraulic pump type	Gear pump	
Hydraulic flow / Pressure	167 l/min-270 bar	
Tank capacities		
Engine oil	10	
Hydraulic oil	135 I	
Fuel tank	140	
DEF tank capacity	22.60	
Noise and vibration		
Noise at driving position (LpA)	79 dB	
Noise to environment (LwA)	106 dB	
Vibration on hands/arms	< 2.50 m/s ²	
Miscellaneous		
Steering wheels (front / rear)	2/2	
Drive wheels (front / rear)	2/2	
Safety cab homologation	ROPS - FOPS level 2 cab	
Controls	JSM	

MT 1840 A 100D ST5 S1 - Dimensional drawing

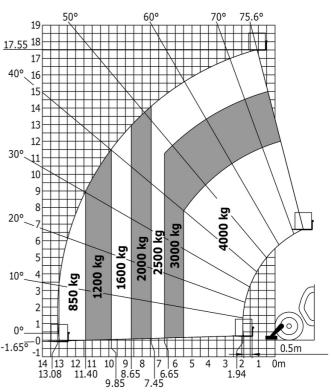


MT 1840 A 100D ST5 S1 - Load chart

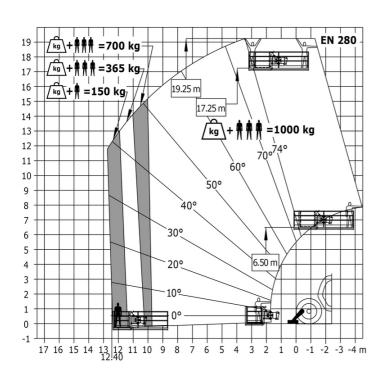
Machine on tyres with forks - with levelling device Metric



Machine on lowered stabilisers with forks Metric



Machine on stabilisers with Man basket Metric





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