

Technical sheet :

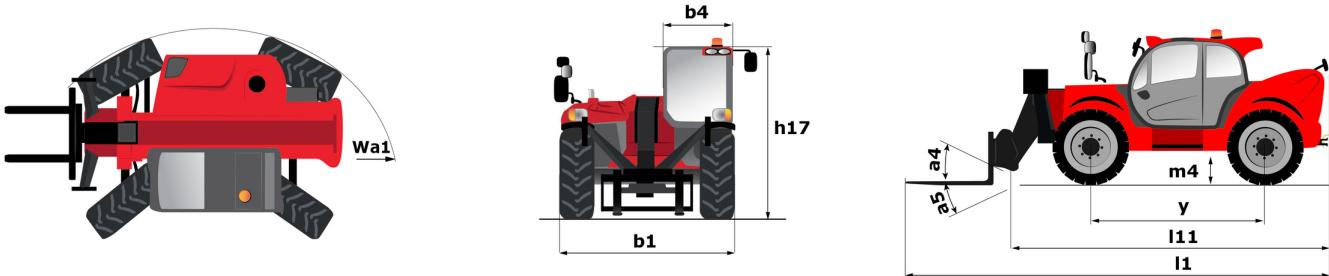
# MT 1840 A 100D ST5 S1



 **MANITOU**  
HANDLING YOUR WORLD

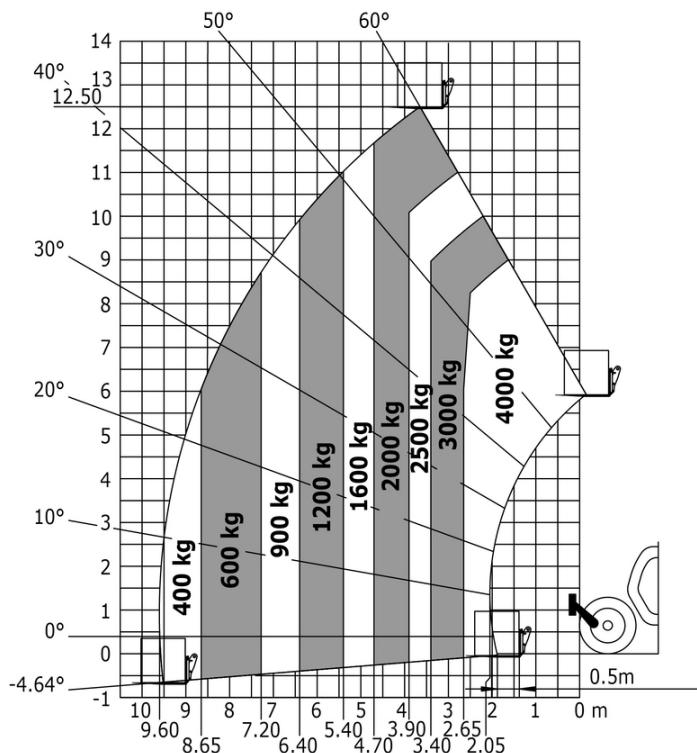
Capacities		Metric	
Max. capacity		4000 kg	
Max. lifting height		17.55 m	
Maximum outreach		13.08 m	
Breakout force with bucket		8391 daN	
Weight and dimensions			
Overall length to carriage	I11	6.15 m	
Length to face of forks	I2	6.27 m	
Overall width	b1	2.36 m	
Overall height	h17	2.45 m	
Wheelbase	y	3.07 m	
Ground clearance	m4	0.37 m	
Overall cab width	b4	0.89 m	
Tilt-up angle	a4	12 °	
Tilt-down angle	a5	114 °	
External turning radius (over tyres)	Wa1	3.94 m	
Unladen weight (with forks)		12650 kg	
Overall weight		12400 kg	
Tires type		Inflatable	
Standard tires		Alliance 400/80 - 24 - 162A8	
Forks length / width / section	I / e / s	1200 mm x 125 mm x 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	
Engine power (Hp/kW)		100 Hp / 75 kW	
Max. torque / Engine rotation		410 Nm @ 1600 rpm	
Drawbar pull (Laden)		8391 daN	
Transmission			
Transmission type		Torque converter	
Number of gears (forward / reverse)		4 / 4	
Travel speed (laden)		25 km/h	
Max. travel speed		24.90 km/h	
Max. travel speed (may vary according to applicable regulations)		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 l	
Hydraulic oil		135 l	
Diesel Exhaust fluid (AdBlue® type)		22.60 l	
Fuel		140 l	
Noise and vibration			
Noise at driving position (LpA)		79 dB	
Noise to environment (LwA)		106 dB	
Vibration on hands/arms		2.50 m/s²	
Miscellaneous			
Steering wheels (front / rear)		2 / 2	
Drive wheels (front / rear)		2 / 2	
Cab certification		Cabin ROPS - FOPS level 2	
Controls		JSM	

## MT 1840 A 100D ST5 S1 - Dimensional drawing

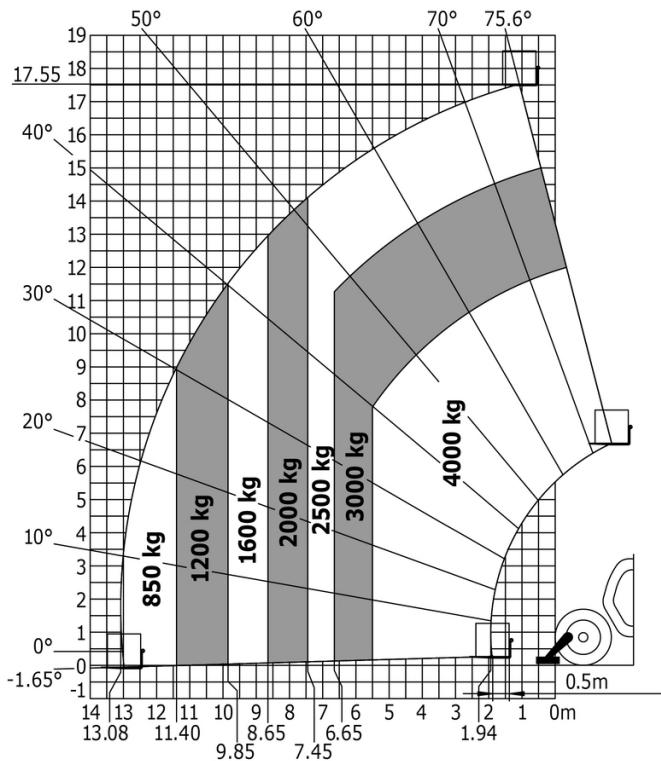


## MT 1840 A 100D ST5 S1 - Load chart

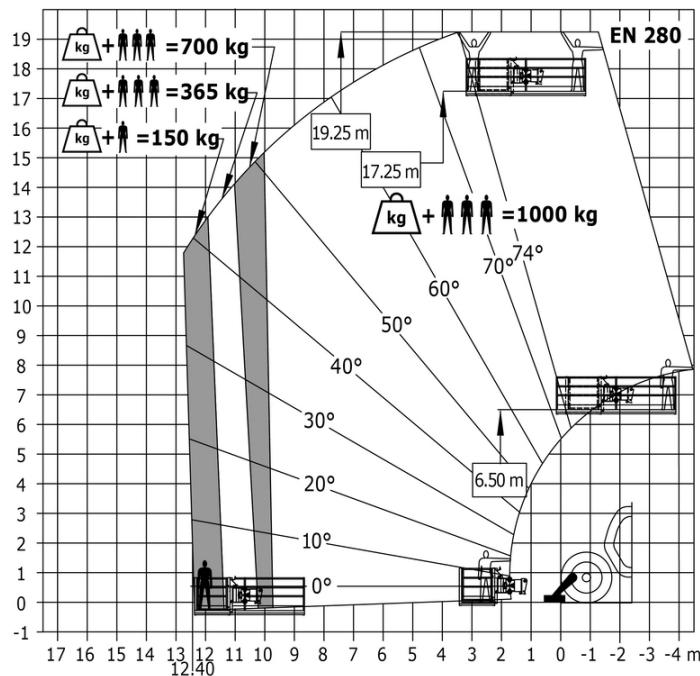
Machine on tires with forks - with levelling device Metric



Machine on lowered stabilisers with forks Metric



## Machine on stabilisers with Man basket Metric





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