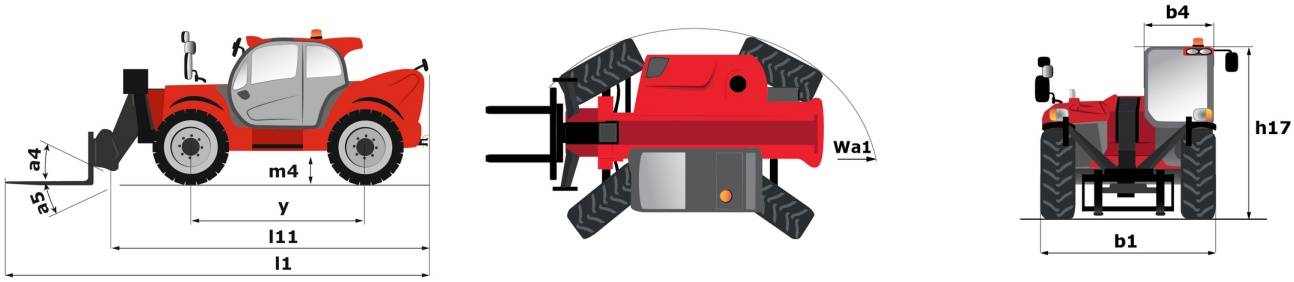
Technical sheet :

MT 1840 A ST5

MANITOU
HANDLING YOUR WORLD

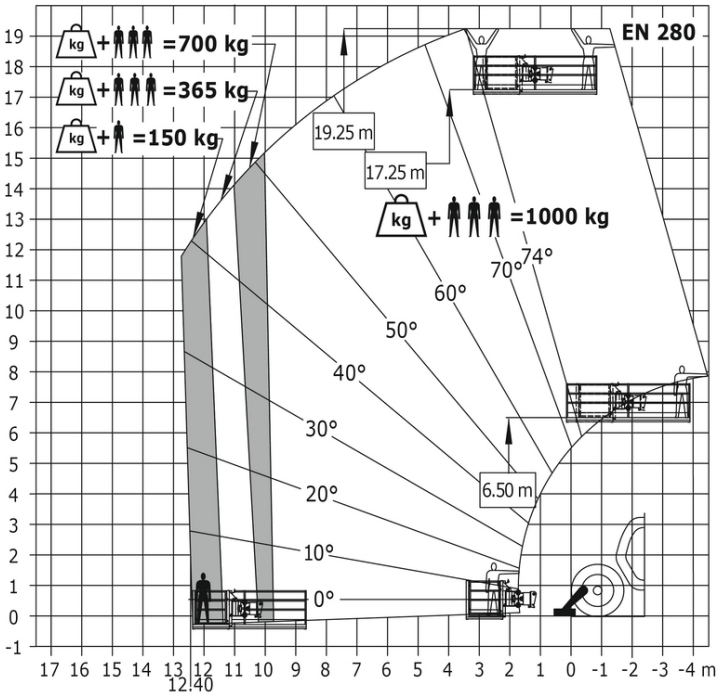
Capacities		Metric
Max. capacity		4000 kg
Max. lifting height		17.55 m
Max. outreach		13.08 m
Breakout force with bucket		8391 daN
Weight and dimensions		
Overall length to carriage	l11	6.15 m
Overall width	b1	2.36 m
Overall height	h17	2.45 m
Wheelbase	y	3.07 m
Ground clearance	m4	0.37 m
Overall cab 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
Tyres type		Pneumatic
Standard tyres		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 (kW)		74.57 kW / 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
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
Fuel tank		140 l
DEF tank capacity		22.60 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
Safety cab homologation		Cabin ROPS - FOPS Level 2
Controls		JSM

MT 1840 A ST5 - Dimensional drawing

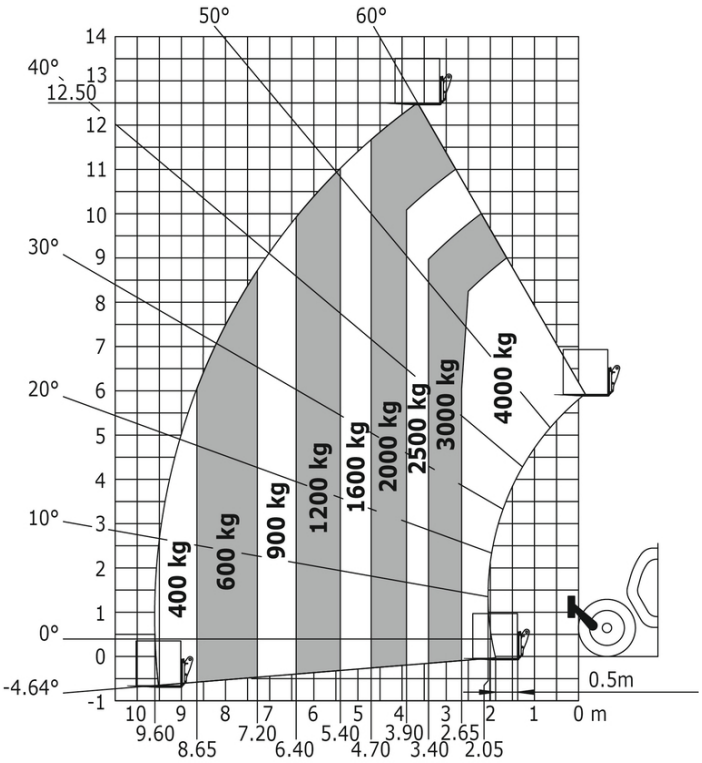


MT 1840 A ST5 - Load chart

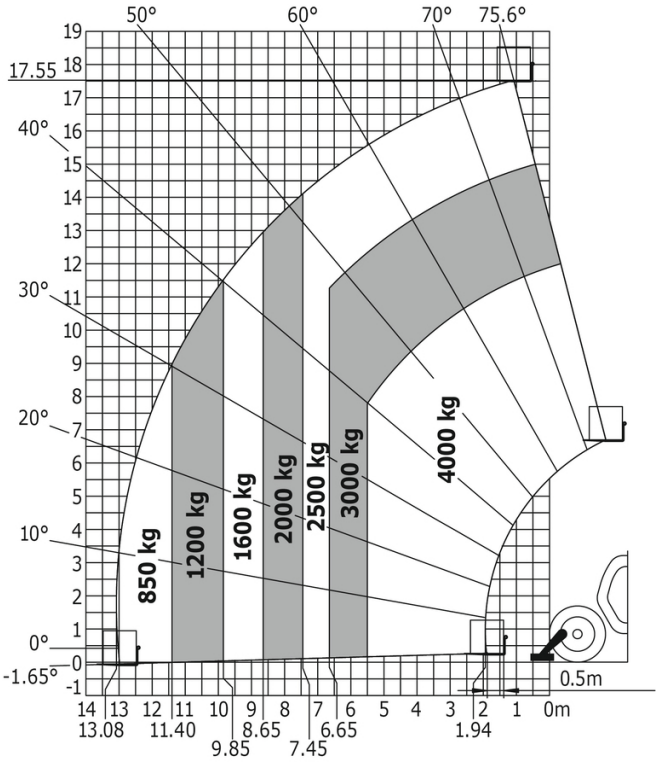
Machine on stabilizers with Man basket Metric



Machine on tyres with forks - with levelling Metric



Machine on stabilizers with forks Metric



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