Technical sheet:

# MT 1840 A 100D ST5 S1

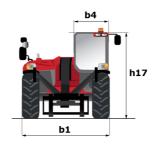


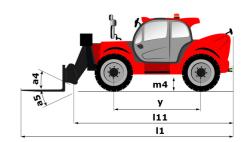


	MT 1840 A 100D ST5 S1 Created on May 7, 2024 at 5:11:55 AM UT
Capacities	Metric
Max. capacity	4000 kg
Max. lifting height	17.55 m
Max. outreach	13.08 m
Breakout force with bucket	8391 daN
Weight and dimensions	
Overall length to carriage	l11 6.15 m
Length to face of forks	12 6.27 m
Overall width	b1 2.36 m
Overall height	h17 2.45 m
Wheelbase	у 3.07 m
Ground clearance	m4 0.37 m
Overall cab width	b4 0.89 m
	a4 12 °
Tilt-up angle	
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	I / 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	
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	On minicised mata discis on front direal dixles
	Coornum
Hydraulic pump type Hydraulic flow / Pressure	Gear pump 167 l/min-270 bar
	107 1/111111-270 Dai
Tank capacities	401
Engine oil	101
Hydraulic oil	1351
Fuel tank	1401
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 <sup>2</sup>
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





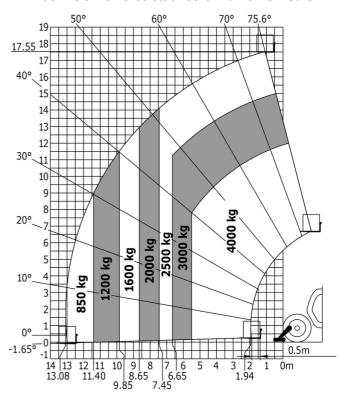


#### MT 1840 A 100D ST5 S1 - Load chart

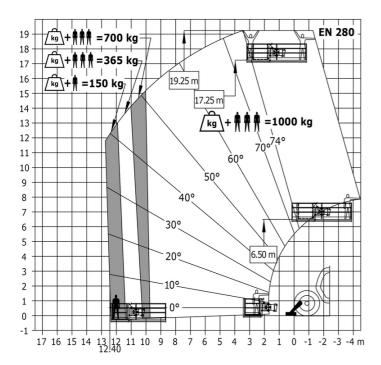
Machine on tyres with forks - with levelling device Metric

## 14 40° 13 12 11 10 30° 9 8 7 20° 6 4 10° 3 2 10° 4.64° 10° 9 8 7 6 5 4 3 90 2.65 8 8 7 7.20 65.40 3.90 2.65 8 8 7 6 5.40 3.90 2.65 8 8 7 6 5.40 3.90 2.65 8 8 7 6 5.40 3.90 2.65 8 8 7 6 5.40 3.90 2.65

#### Machine on lowered stabilisers with forks Metric



## Machine on stabilisers with Man basket Metric







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