

Technical sheet :

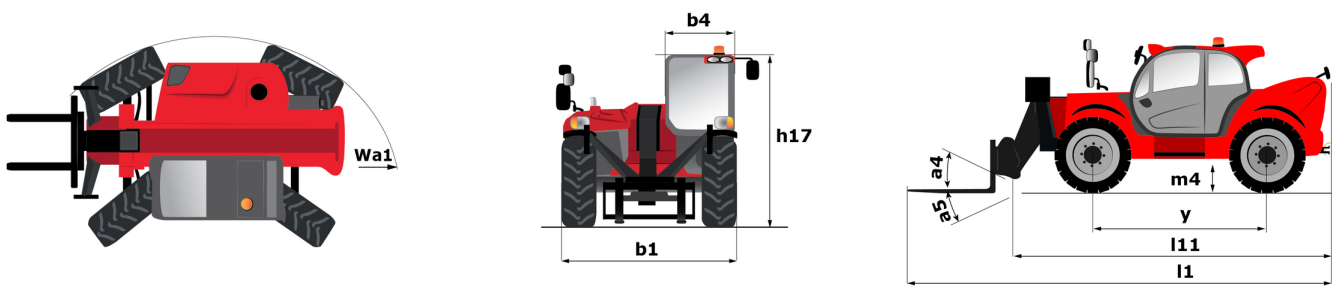
MT 1440 EASY ST5



 **MANITOU**
HANDLING YOUR WORLD

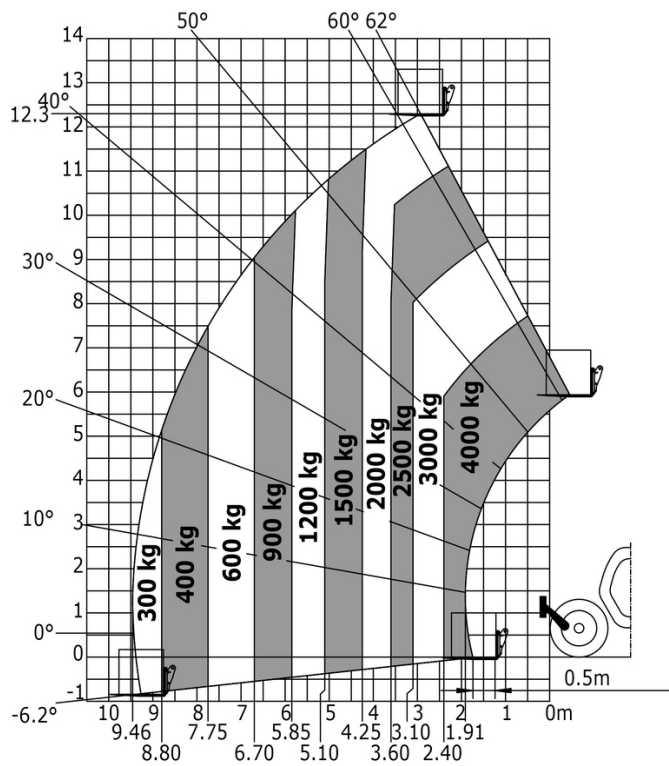
Capacities		Metric	Imperial
Max. capacity		4000 kg	8818 lb
Max. lifting height		13.53 m	44 ft 5 in
Maximum outreach		9.46 m	31 ft
Breakout force with bucket		7400 daN	7400 daN
Weight and dimensions			
Overall length to carriage	l11	6.02 m	19 ft 9 in
Length to face of forks	l2	6.13 m	20 ft 1 in
Overall width	b1	2.36 m	7 ft 9 in
Overall height	h17	2.45 m	8 ft
Wheelbase	y	3.07 m	10 ft 1 in
Ground clearance	m4	0.37 m	1 ft 3 in
Overall cab width	b4	0.89 m	2 ft 11 in
Tilt-up angle	a4	12 °	12 °
Tilt-down angle	a5	114 °	114 °
External turning radius (over tyres)	Wa1	3.94 m	12 ft 11 in
Unladen weight (with forks)		10855 kg	23931 lb
Overall weight		10900 kg	24030 lb
Tires type		Pneumatic	Pneumatic
Standard tires		Alliance 400/80 - 24 - 162A8	Alliance 400/80 - 24 - 162A8
Forks length / width / section	l / e / s	1200 mm x 125 mm x 50 mm	47 in x 5 in x 2 in
Performances			
Lifting		16 s	16 s
Lowering		12.40 s	12.40 s
Extension		17.30 s	17.30 s
Retraction		13 s	13 s
Crowd		4 s	4 s
Dump		4 s	4 s
Engine			
Engine brand		Deutz	Deutz
Engine norm		Stage V, Tier 4 final	Stage V, Tier 4 final
Engine model		TD 3.6 L	TD 3.6 L
Number of cylinders / Capacity of cylinders		4 - 3621 cm³	4 - 221 in³
I.C. Engine power rating - Power		75 Hp / 55.40 kW	75 Hp / 55.40 kW
Max. torque / Engine rotation		340 Nm @ 1600 rpm	251 ft/lbs @ 1600 rpm
Drawbar pull (Laden)		8320 daN	8320 daN
Transmission			
Transmission type		Torque converter	Torque converter
Number of gears (forward / reverse)		4 / 4	4 / 4
Max. travel speed		24.90 km/h	15 mph
Max. travel speed (may vary according to applicable regulations)		25 km/h	16 mph
Parking brake		Automatic parking brake	Automatic parking brake
Service brake		Oil-immersed multi-discs braking on front & rear axles	Oil-immersed multi-discs braking on front & rear axles
Hydraulics			
Hydraulic pump type		Gear pump	Gear pump
Hydraulic flow / Pressure		106 l/min-270 bar	28 US gpm-3916 PSI
Tank capacities			
Engine oil		7.50 l	2 US gal
Hydraulic oil		135 l	36 US gal
Hydraulic tank capacity		10 l	3 US gal
Fuel tank		140 l	37 US gal
Noise and vibration			
Noise at driving position (LpA)		79 dB	79 dB
Noise to environment (LwA)		102 dB	102 dB
Vibration on hands/arms		< 2.50 m/s²	< 2.50 m/s²
Miscellaneous			
Steering wheels (front / rear)		2 / 2	2 / 2
Drive wheels (front / rear)		2 / 2	2 / 2
Safety / Cab certification		Standard EN 15000 / Cabin ROPS - FOPS level 2	Standard EN 15000 / Cabin ROPS - FOPS level 2
Controls		JSM	JSM

MT 1440 easy ST5 - Dimensional drawing

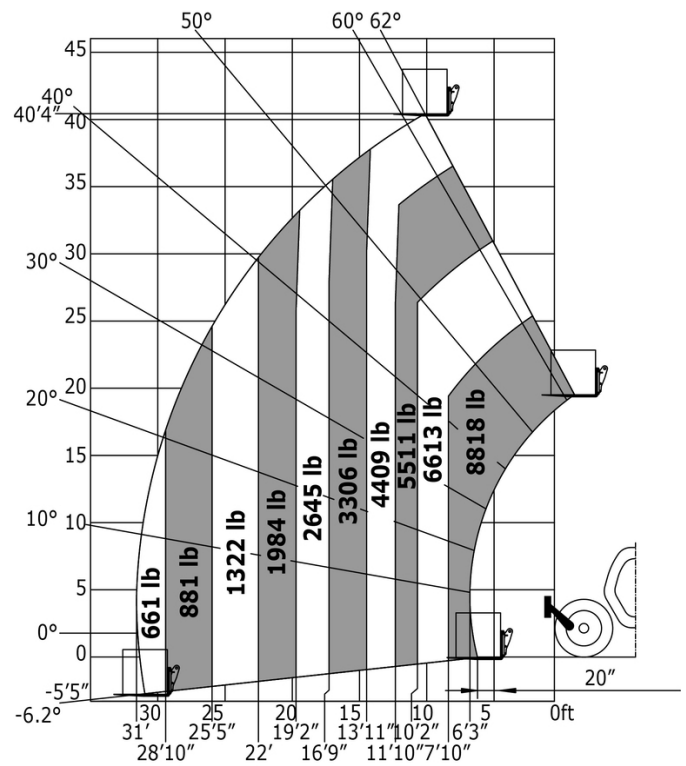


MT 1440 easy ST5 - Load chart

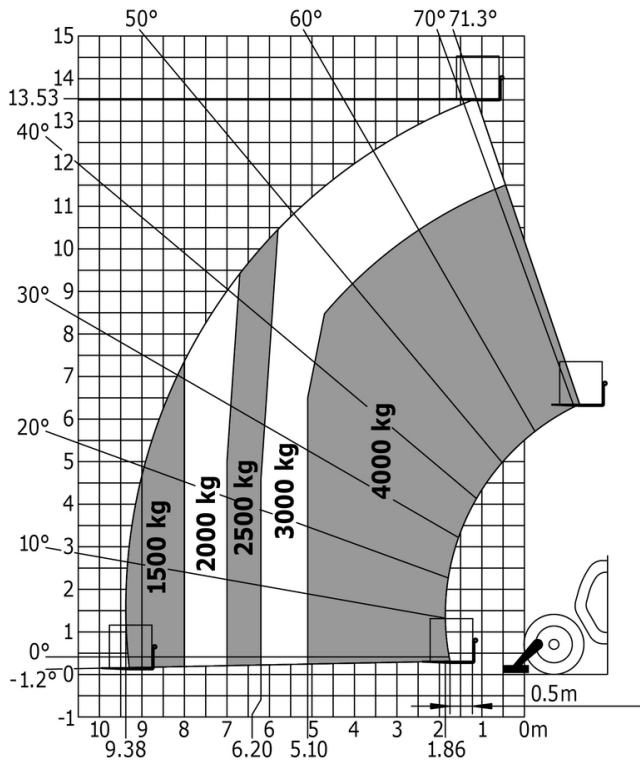
Machine on tires with forks - with levelling device Metric



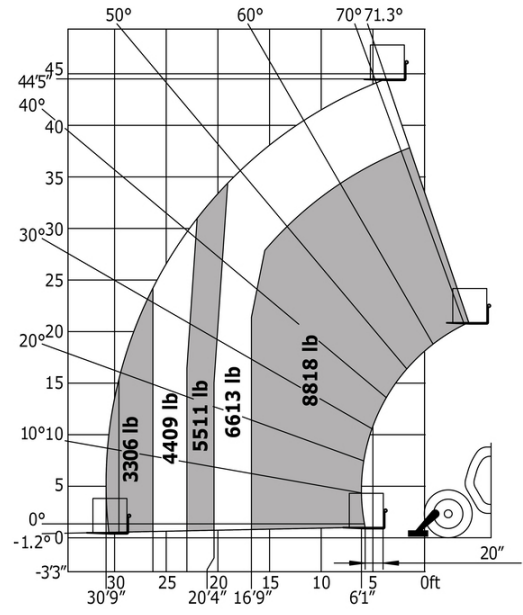
Machine on tires with forks Imperial



Machine on lowered stabilisers with forks Metric



Machine on lowered stabilisers with forks Imperial





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