

Technical sheet :

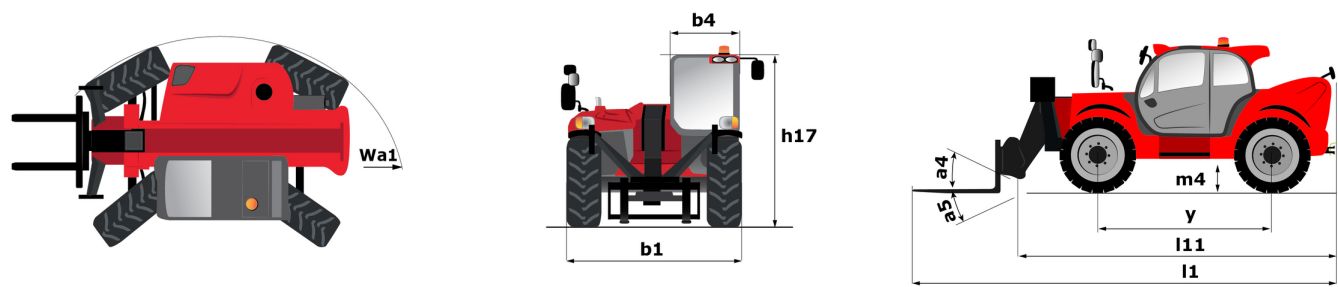
MT 1440 A ST5



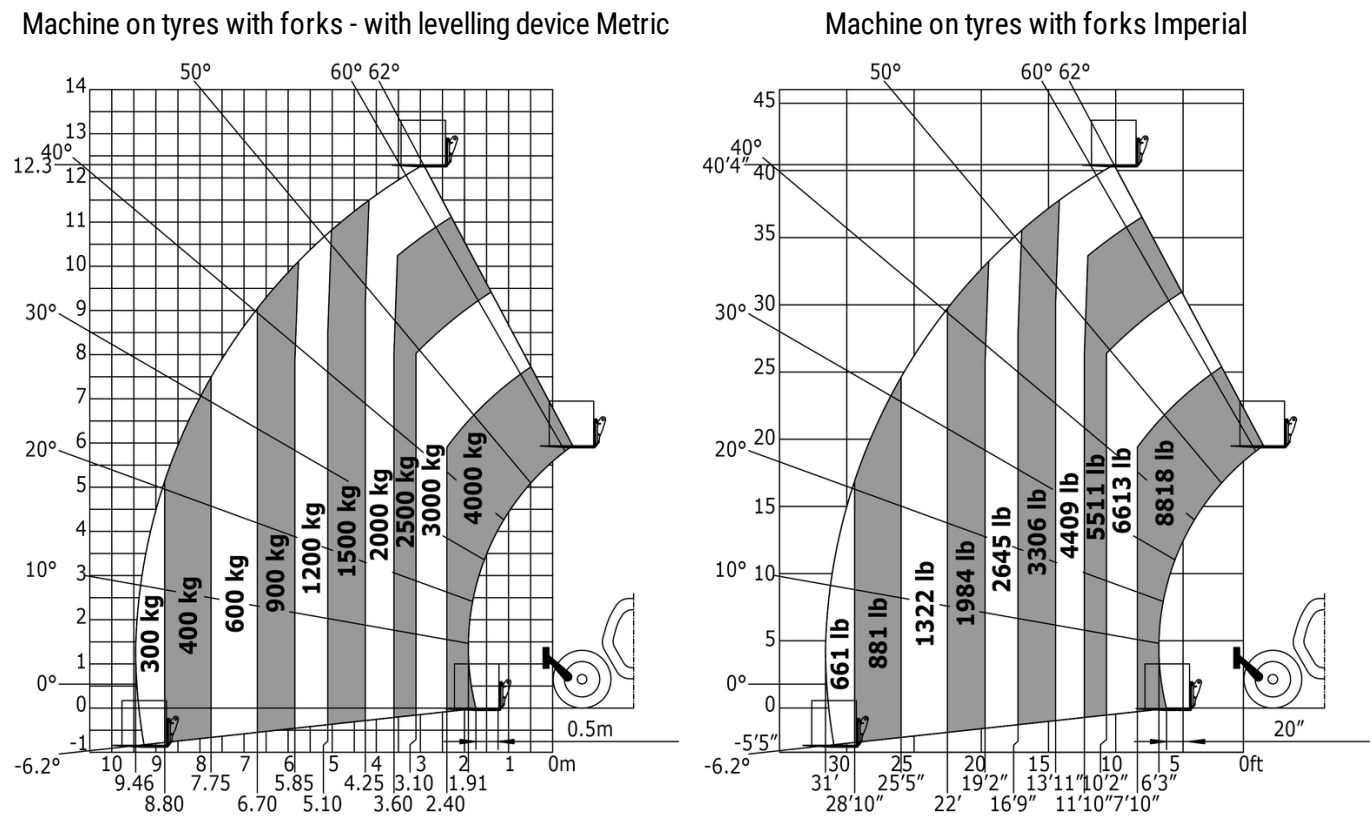
 **MANITOU**
HANDLING YOUR WORLD

Capacities		Metric	Imperial
Max. capacity		4000 kg	8818 lb
Max. lifting height		13.53 m	44 ft 5 in
Max. outreach		9.46 m	31 ft
Breakout force with bucket		7916 daN	7916 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
Overall weight		11200 kg	24692 lb
Unladen weight (with man basket)		11620 kg	25618 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 / 45 mm	47 in x 5 in / 2 in
Performances			
Lifting		16 s	16 s
Lowering		14 s	14 s
Extension		19.30 s	19.30 s
Scoop		4 s	4 s
Dump		4 s	4 s
Engine			
Engine brand		Deutz	Deutz
Engine norm		Stage V	Stage V
Engine model		TCD 3.6L	TCD 3.6L
Number of cylinders / Capacity of cylinders		4 - 3621 cm³	4 - 221 in³
I.C. Engine power rating - Power		100 Hp / 75 kW	100 Hp / 75 kW
Max. torque / Engine rotation		410 Nm @ 1600 rpm	302 ft/lbs @ 1600 rpm
Drawbar pull (Laden)		9930 daN	9930 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
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		167 l/min-270 bar	44 US gpm-3916 PSI
Tank capacities			
Engine oil		10 l	3 US gal
Hydraulic oil		135 l	36 US gal
Fuel tank		140 l	37 US gal
DEF tank capacity		22.60 l	6 US gal
Noise and vibration			
Noise at driving position (LpA)		79 dB	79 dB
Noise to environment (LwA)		106 dB	106 dB
Vibration on hands/arms		< 2.50 m/s²	< 2.50 m/s²
Compatible platform			
Platform capacity	Q	1000 kg	2205 lb
Number of people		3	3
Platform dimensions (length x width)	lp / ep	5000 mm x 1200 mm	197 in x 47 in
Platform weight*		1150 kg	2535 lb
Miscellaneous			
Steering wheels (front / rear)		2 / 2	2 / 2
Drive wheels (front / rear)		2 / 2	2 / 2
Safety cab homologation		ROPS - FOPS level 2 cab	ROPS - FOPS level 2 cab
Controls		JSM	JSM

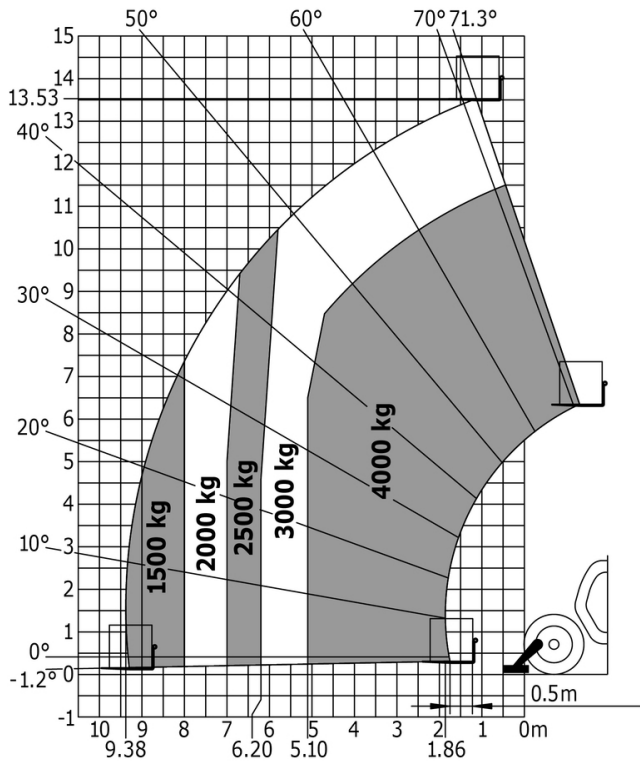
MT 1440 A ST5 - Dimensional drawing



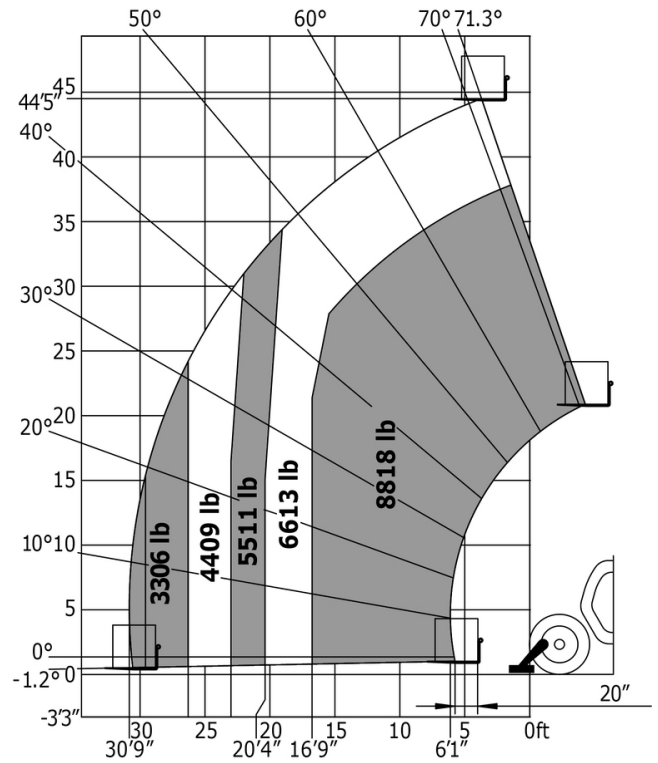
MT 1440 A ST5 - Load chart



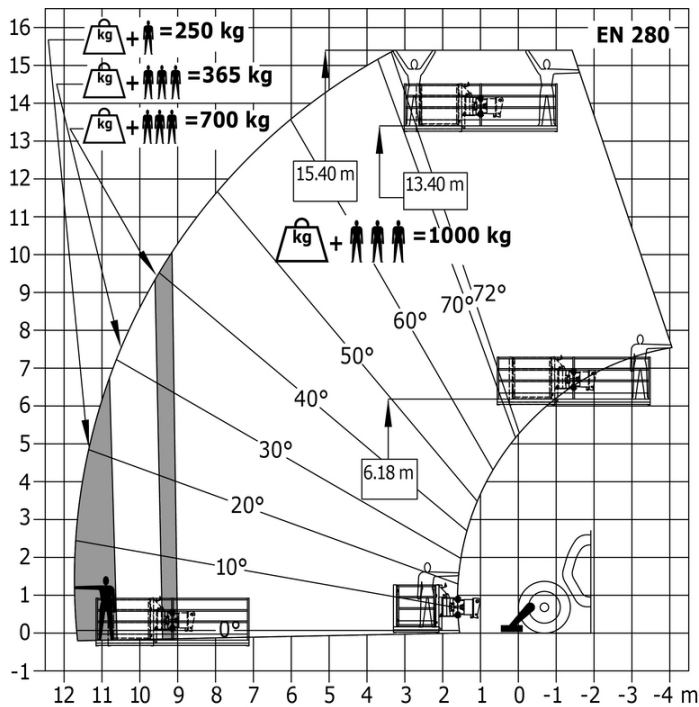
Machine on lowered stabilisers with forks Metric



Machine on lowered stabilisers with forks Imperial



Machine on stabilisers with Man basket Metric





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