Technical sheet :

MRT 1640 EASY T4 S2 400°

MANITOU
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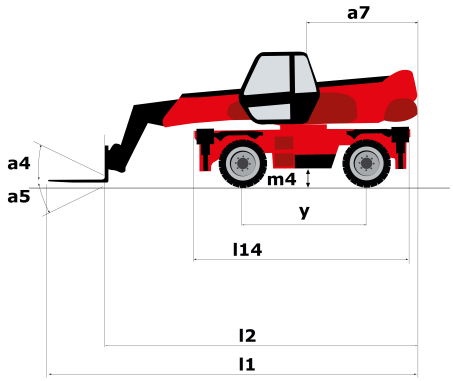
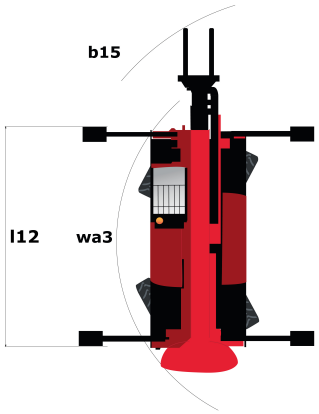
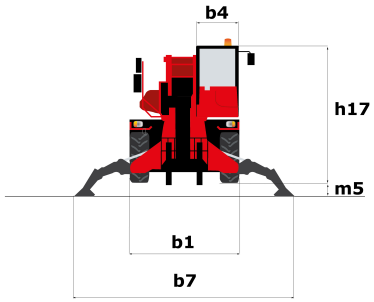
Capacities		Metric	Imperial
Max. capacity	Q	4000 kg	8818 lbs
Max. lifting height	h3	15.8 m	51 ft 10 in
Max. Reach	l4	13.5 m	44 ft 3 in
Weight and dimensions			
Overall width	b1	2.4 m	7 ft 10 in
Overall height	h17	2.97 m	9 ft 9 in
Overall cab width	b4	0.95 m	3 ft 1 in
Outer frame turning radius	Wa3	3.9 m	12 ft 10 in
Ground clearance	m4	0.34 m	1 ft 1 in
Wheelbase	y	2.32 m	7 ft 7 in
Tilt-up angle	a4	12 °	12 °
Tilt-down angle	a5	105 °	105 °
Turret rotation		400 °	400 °
Overall weight		12875 kg	28385 lbs
Forks length / width / section	l / e / s	1200 mm x125 mm x 50 mm	47.244 in x4.921 in x 1.969 in
Wheels			
Tyres type		Pneumatic	Pneumatic
Standard tyres		405/70-20	405/70-20
Drive wheels (front / rear)		2 / 2	2 / 2
Stabilisers			
Stabs Type		Wing Type	Wing Type
Controls with stabs		Stabs Commands Individual or Simultaneous	Stabs Commands Individual or Simultaneous
Engine			
Engine brand		Perkins	Perkins
Engine norm		Stage 3B / Tier IV Final	Stage 3B / Tier IV Final
Engine model		854 E-E 34 TA	854 E-E 34 TA
I.C. Engine power rating / Power (kW)		74 Hp / 55 kW	74 Hp / 55 kW
Max. torque / Engine rotation		424 Nm @ 1200 rpm	424 Nm @ 1200 rpm
Number of cylinders - Capacity of cylinders		4 - 3400 cm³	4 - 207.48 in³
Injection		engine Injection direct	engine Injection direct
Engine cooling system		Water	Water
Battery / Batteries capacity		12 V x 120 Ah	12 V x 120 Ah
Transmission			
Transmission type		Hydrostatic	Hydrostatic
Number of gears (forward / reverse)		2 2	2 2
Max. travel speed		32 km/h	19.9 mph
Drawbar pull (Laden)		8600 daN	8600 daN
Parking brake		Automatic Negative Hand-brake	Automatic Negative Hand-brake
Service brake		Hydraulic	Hydraulic
Hydraulics			
Hydraulic pump type		Gear pump	Gear pump
Hydraulic flow		115 l/min	115 l/min
Hydraulic Pressure		270 Bar	19 PSI
Tank capacities			
Engine oil		8.50 l	2.25 US gal
Hydraulic oil		150 l	39.63 US gal
Fuel tank		130 l	34.35 US gal
Noise and vibration			
Noise at driving position (LpA)		79.7 dB(A)	79.7 dB(A)
Environmental noise (LwA)		104 dB(A)	104 dB(A)
Vibration to whole hand/arm		< 2.50 m/s²	< 2.50 m/s²
Miscellaneous			
Steering wheels (front / rear)		2 / 2	2 / 2
Controls		2 Joysticks	2 Joysticks
Safety cab homologation		ROPS - FOPS cab (level 2)	ROPS - FOPS cab (level 2)
Attachment recognition system (E-Reco)		Standard	Standard

Dimensional drawing



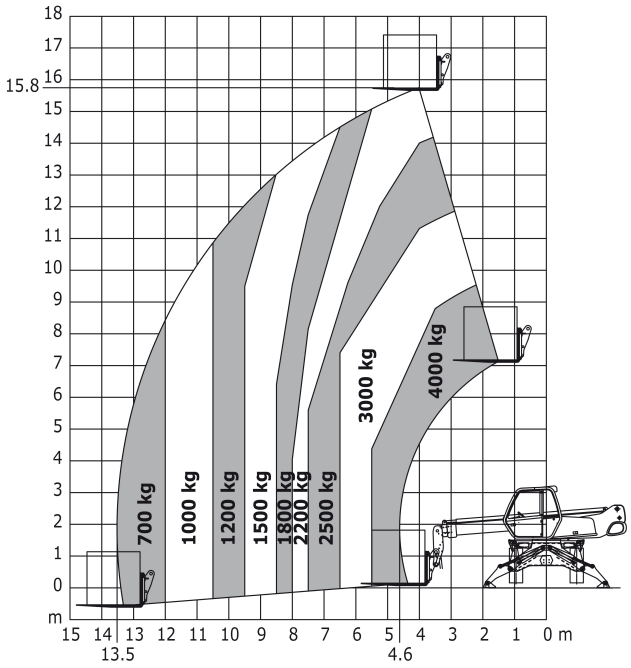




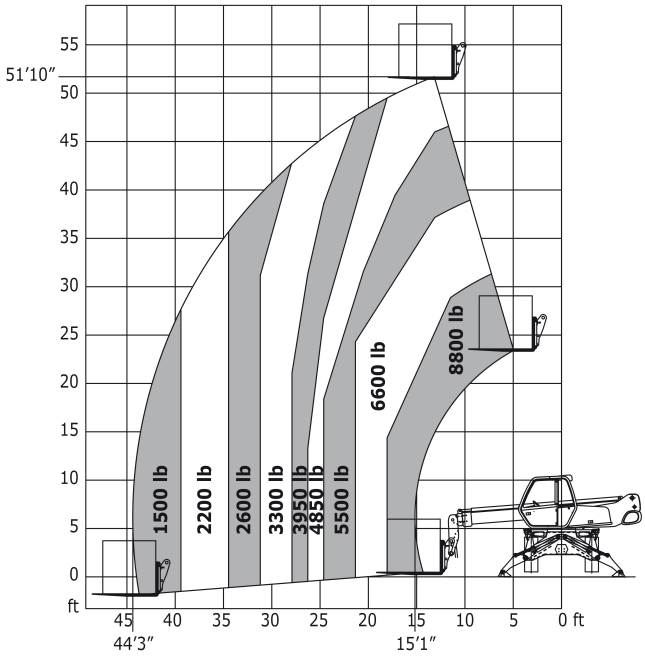
Other data		Metric	Imperial
Overall length (with forks)	l1	7.56 m	24 ft 10 in
Length to face of forks	l2	6.36 m	20 ft 10 in
Length of frame	l14	4.35 m	14 ft 3 in
Wheelbase	y	2.32 m	7 ft 7 in
Ground clearance	m4	0.34 m	1 ft 1 in
Counterweight offset (turret at 90°)	a7	2.49 m	8 ft 2 in
Tilt-up angle	a4	12 °	12 °
Tilt-down angle	a5	105 °	105 °
Overall length at stabilisers	l12	4.3 m	14 ft 1 in
Outer frame turning radius	Wa3	3.9 m	12 ft 10 in
Outer turning radius (with forks)	b15	5.52 m	18 ft 1 in
Overall width	b1	2.4 m	7 ft 10 in
Overall width with stabilisers extended	b7	3.98 m	13 ft 1 in
Overall cab width	b4	0.95 m	3 ft 1 in
Overall height	h17	2.97 m	9 ft 9 in
Ground clearance under front tires on stabilizers	m5	0.16 m	6 in

Load chart

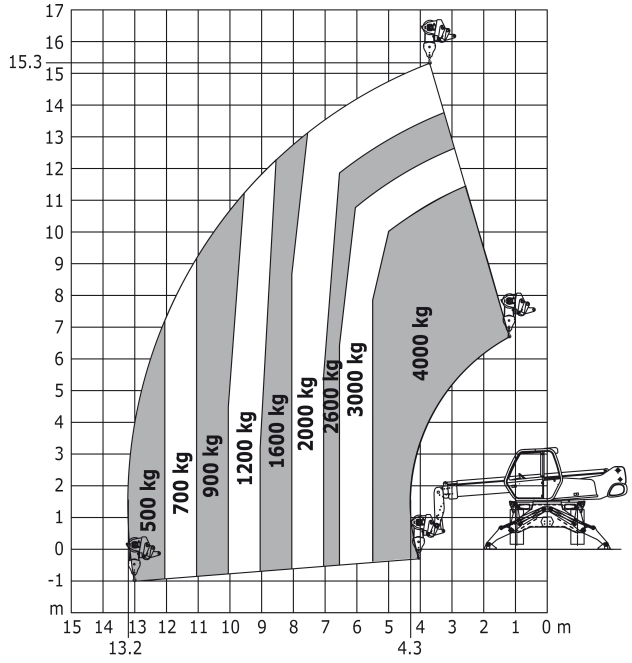
Machine on lowered stabilisers with forks Metric



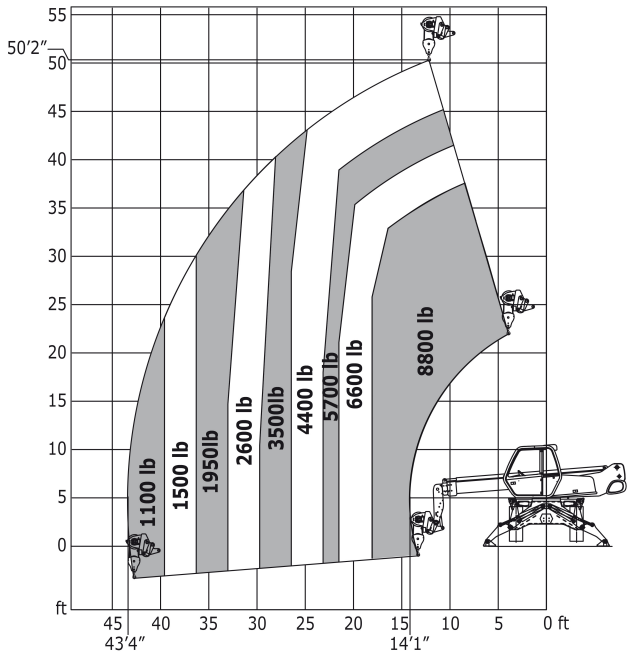
Machine on lowered stabilisers with forks Imperial



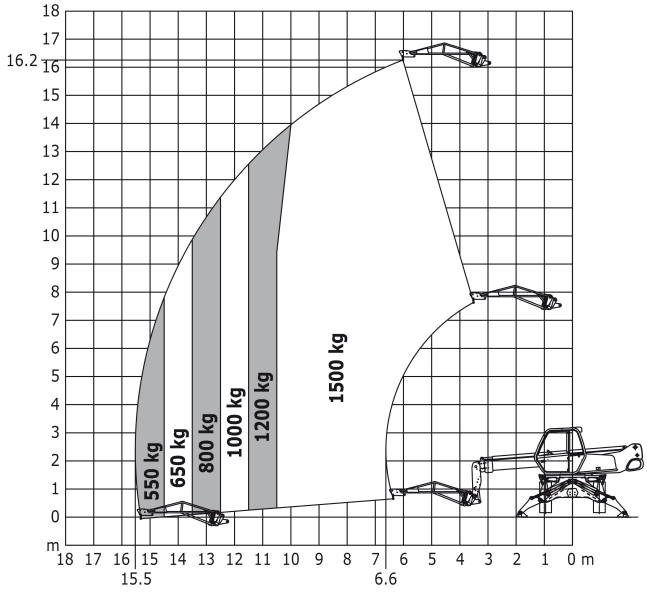
Machine on lowered stabilisers with winch 5000 kg Metric



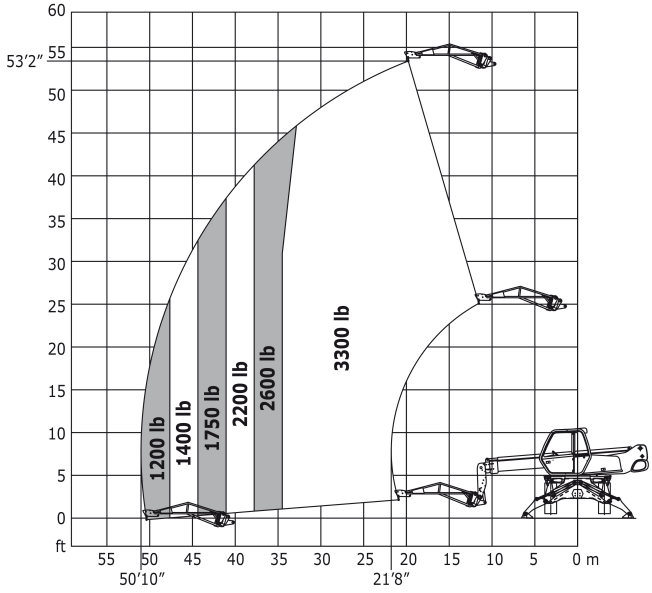
Machine on lowered stabilisers with winch 5000 kg Imperial



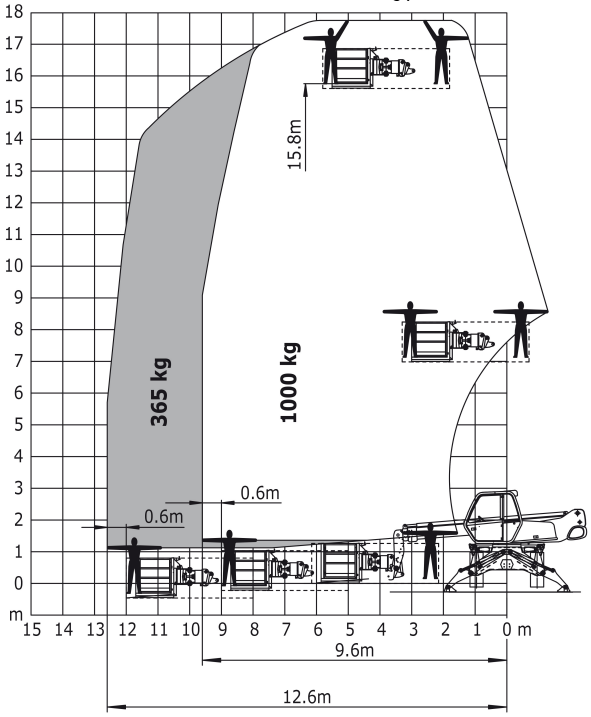
Machine on lowered stabilisers with 1500 kg jib Metric



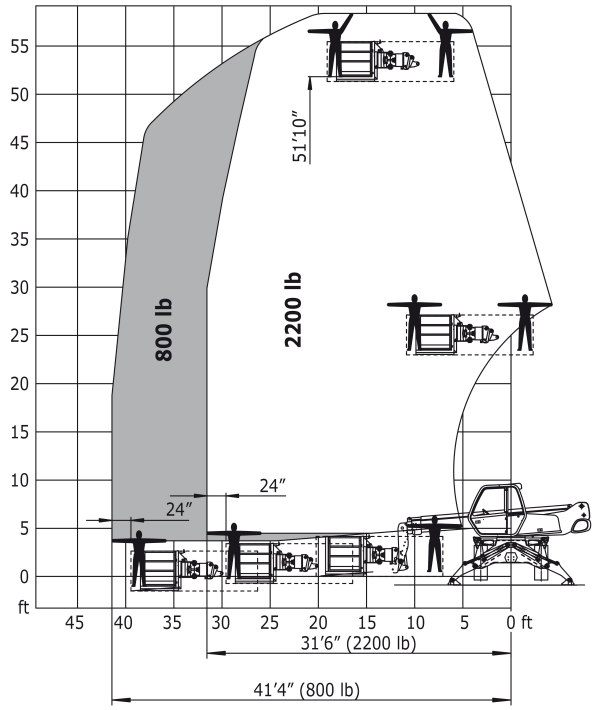
Machine on lowered stabilisers with 1500 kg jib Imperial



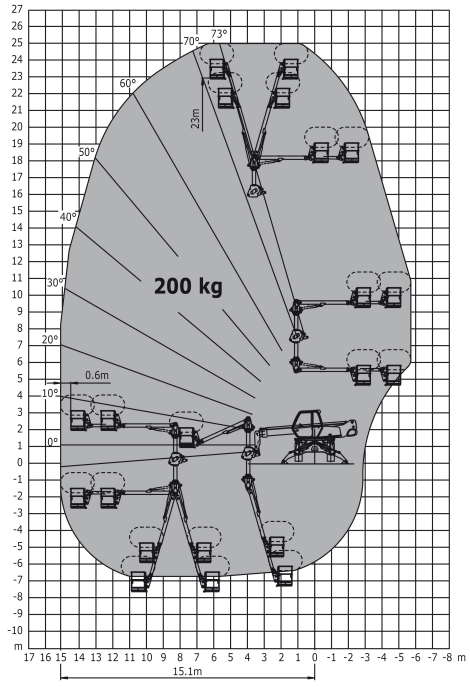
Machine on lowered stabilisers with 365/1000 kg platform Metric



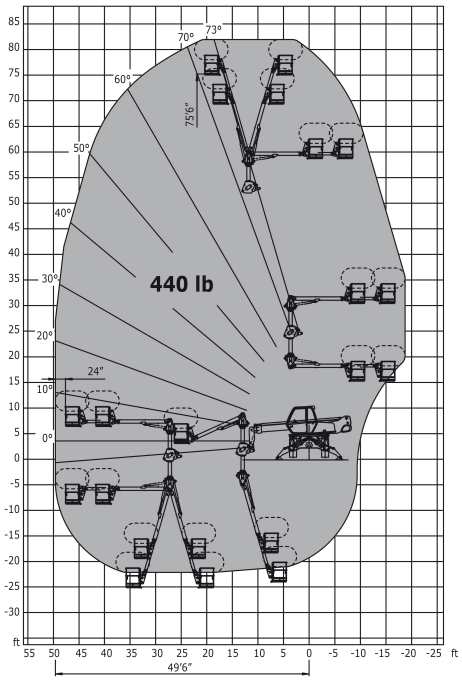
Machine on lowered stabilisers with 365/1000 kg platform Imperial



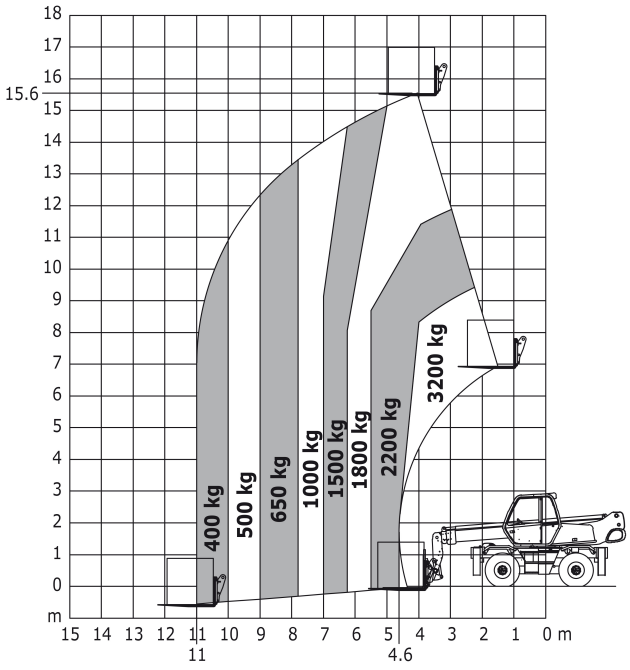
Machine on lowered stabilisers with 3D positive / negative Metric



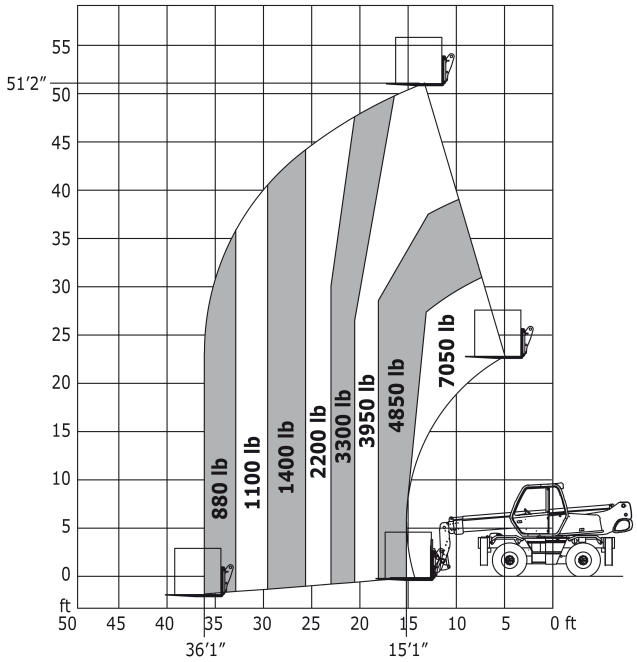
Machine on lowered stabilisers with 3D positive / negative Imperial



Machine on tyres with forks Metric



Machine on tyres with forks Imperial



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