

Technical sheet :

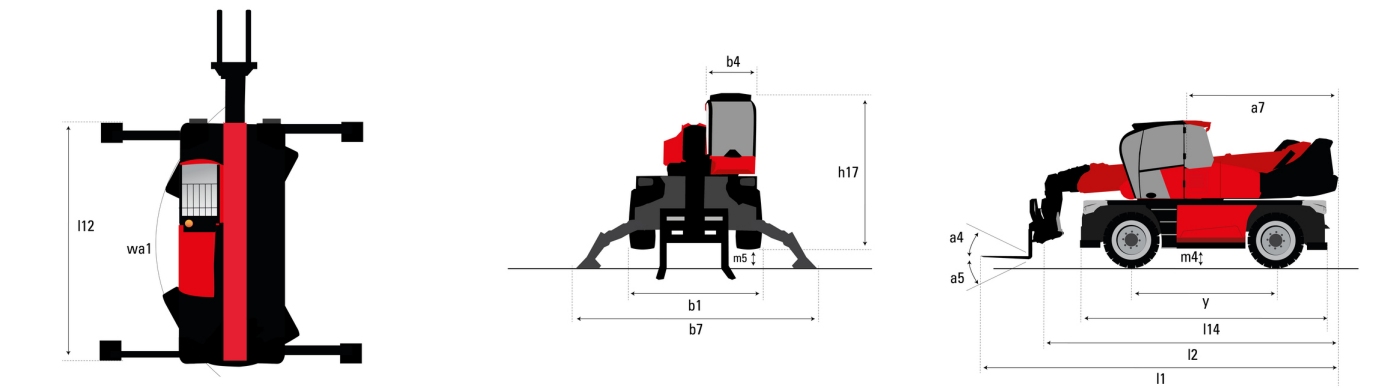
MRT 2145 115

VISION



 **MANITOU**
HANDLING YOUR WORLD

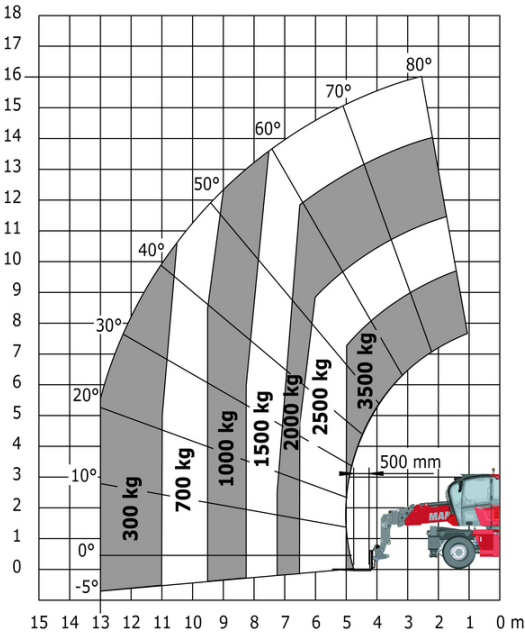
Capacities		Metric	Imperial
Max. capacity		4500 kg	9921 lb
Max. lifting height		20.60 m	67 ft 7 in
Max. outreach		18 m	59 ft 1 in
Weight and dimensions			
Overall length (with forks)	l1	7.93 m	26 ft
Length to face of forks	l2	6.73 m	22 ft 1 in
Overall width	b1	2.48 m	8 ft 2 in
Overall height	h17	3.04 m	10 ft
Overall cab width	b4	0.96 m	3 ft 2 in
Ground clearance	m4	0.37 m	1 ft 3 in
Wheelbase	y	2.73 m	8 ft 11 in
Tilt-up angle	a4	10 °	10 °
Tilt-down angle	a5	107 °	107 °
Turret rotation / rotation (Max.)		400 ° or 360 °	400 ° or 360 °
Overall weight		14900 kg	32849 lb
Forks length / width / section	l / e / s	1200 mm x 125 mm x 50 mm	47 in x 5 in x 2 in
Wheels			
Standard tires		18-19,5	18-19,5
Drive wheels (front / rear)		2 / 2	2 / 2
Steering mode		2 wheel steer, 4 wheel steer, Crab mode	2 wheel steer, 4 wheel steer, Crab mode
Stabilisers			
Stabs Type		Spider Type	Spider Type
Controls with stabs		Stabs Commands Individual or Simultaneous	Stabs Commands Individual or Simultaneous
Engine			
Engine brand		Deutz	Deutz
Engine norm		Stage V / Tier 4	Stage V / Tier 4
Engine model		TCD 3.6 L4	TCD 3.6 L4
I.C. Engine power rating / Power / Engine rotation		116 Hp / 85 kW @ 2200 rpm	116 Hp / 85 kW @ 2200 rpm
Max. torque / Engine rotation (min)		460 Nm @ 1600 rpm	339 ft/lbs @ 1600 rpm
Number of cylinders - Capacity of cylinders		4 - 3620 cm³	4 - 221 in³
Engine cooling system		Water cooled	Water cooled
Electric circuit			
Number of batteries / Battery voltage		2 x 12 V	2 x 12 V
12V Battery capacity		120 Ah	120 Ah
Battery starting current		(EN)850 A	(EN)850 A
Transmission			
Transmission type		Hydrostatic	Hydrostatic
Number of gears (forward / reverse)		2 / 2	2 / 2
Max. travel speed		40 km/h	25 mph
Drawbar pull		9700 daN	9700 daN
Parking brake		Automatic negative parking brake	Automatic negative parking brake
Service brake		Oil-immersed multi-discs braking on front & rear axles	Oil-immersed multi-discs braking on front & rear axles
Performances			
Gradeability (laden / unladen)		48.70 % / 49.80 %	48.70 % / 49.80 %
Hydraulics			
Hydraulic pump type		Variable displacement pump	Variable displacement pump
Hydraulic flow		116 l/min	31 US gpm
Hydraulic Pressure		275 bar	3989 PSI
Tank capacities			
Engine oil		11 l	3 US gal
Hydraulic oil		150 l	40 US gal
Fuel tank		133 l	35 US gal
Diesel Exhaust fluid (AdBlue® type)		11 l	3 US gal
Noise and vibration			
Noise at driving position (LpA)		68 dB	68 dB
Environmental noise (LwA)		106 dB	106 dB
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 level 2 cab	ROPS - FOPS level 2 cab
Attachment recognition system (E-Reco)		Standard	Standard



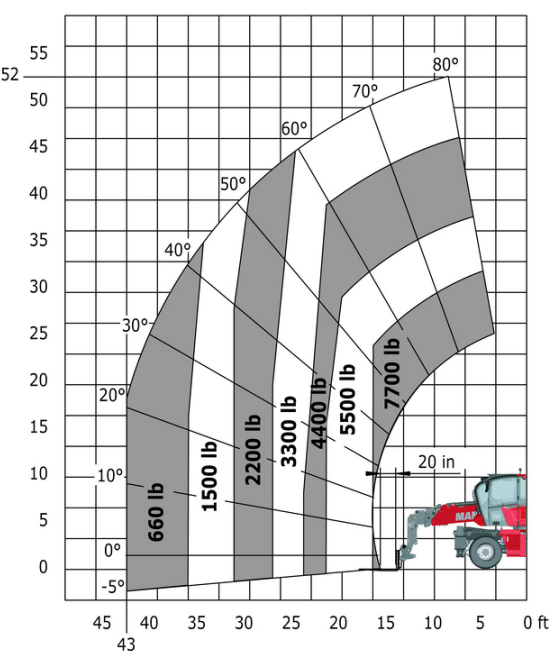
Other data		Metric	Imperial
Length of frame	l14	4.97 m	16 ft 4 in
Wheelbase	y	2.73 m	8 ft 11 in
Ground clearance	m4	0.37 m	1 ft 3 in
Counterweight offset (turret at 90°)	a7	2.50 m	8 ft 2 in
Tilt-up angle	a4	10 °	10 °
Tilt-down angle	a5	107 °	107 °
Overall length at stabilisers	l12	4.71 m	15 ft 5 in
External turning radius (over tyres)	Wa1	4.16 m	13 ft 8 in
Overall width with stabilisers extended	b7	4.98 m	16 ft 4 in
Overall height	h17	3.04 m	10 ft
Ground clearance under front tires on stabilizers	m5	0.18 m	7 in

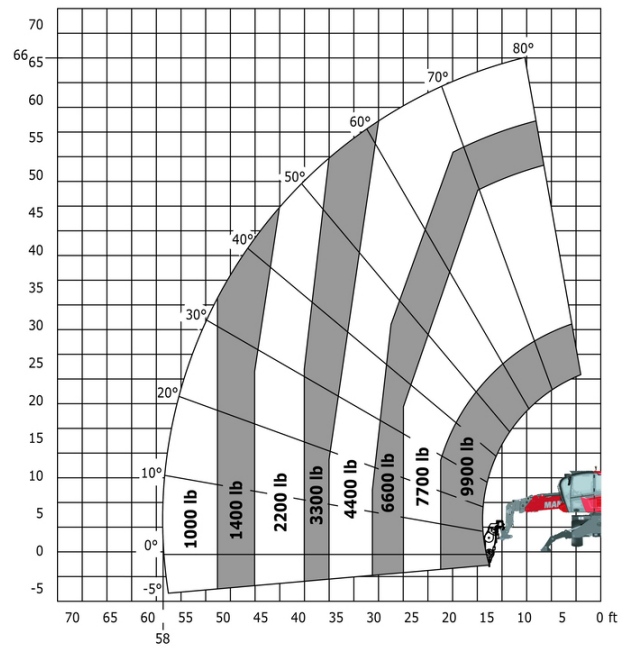
MRT 2145 115 - Load chart

Machine on tyres with forks Metric

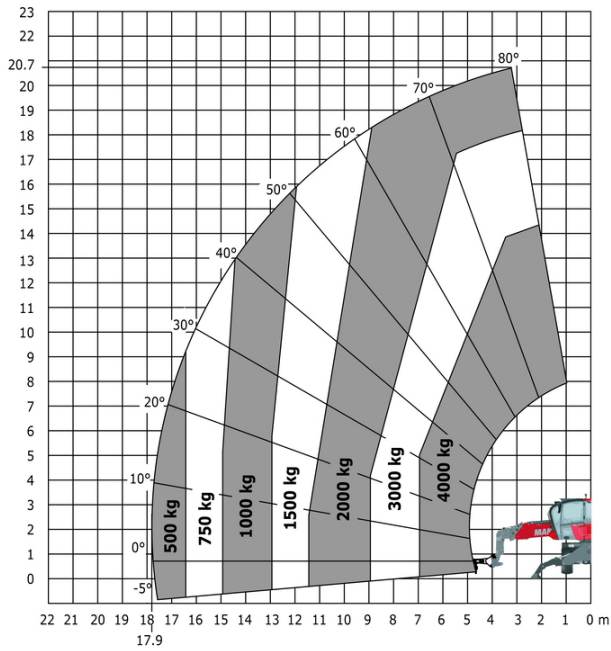


Machine on tyres with forks Imperial

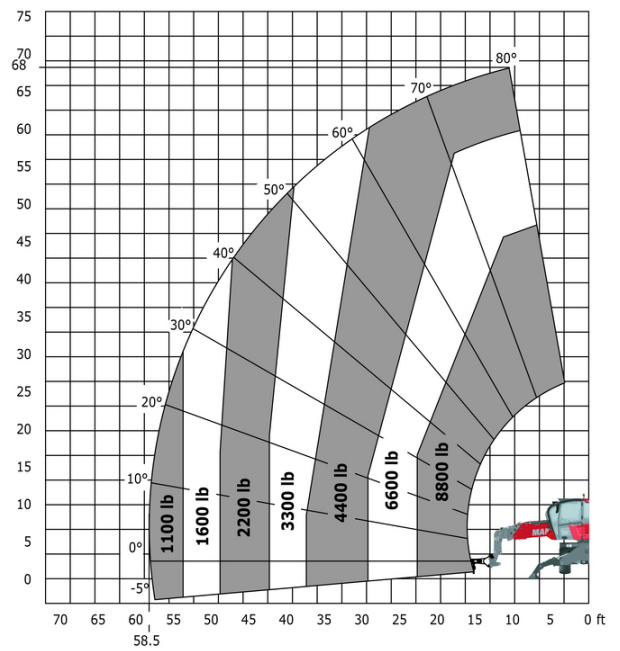




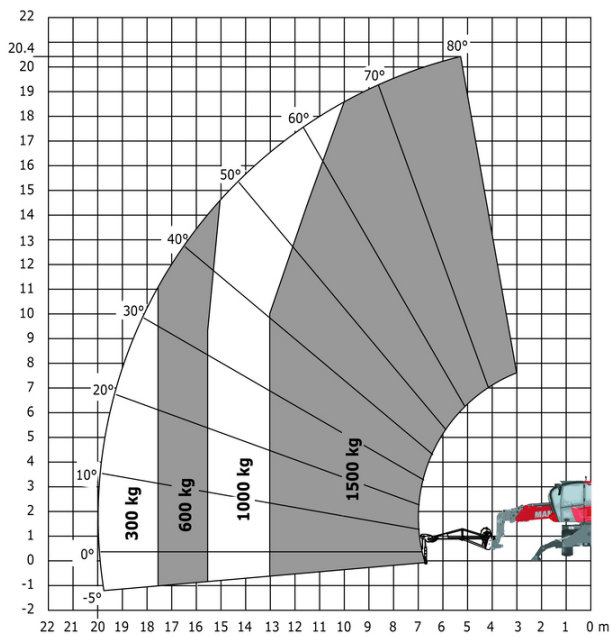
Machine on lowered stabilisers with 4000 kg jib (Metric)



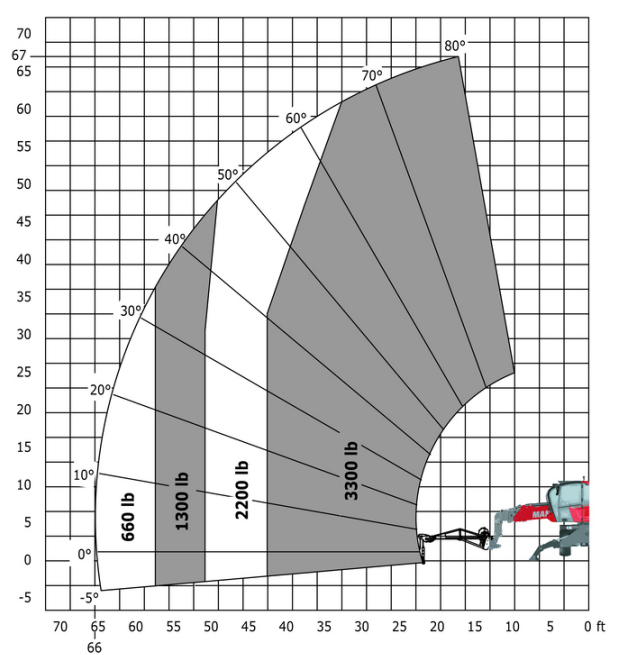
Machine on lowered stabilisers with 4000 kg jib (Imperial)



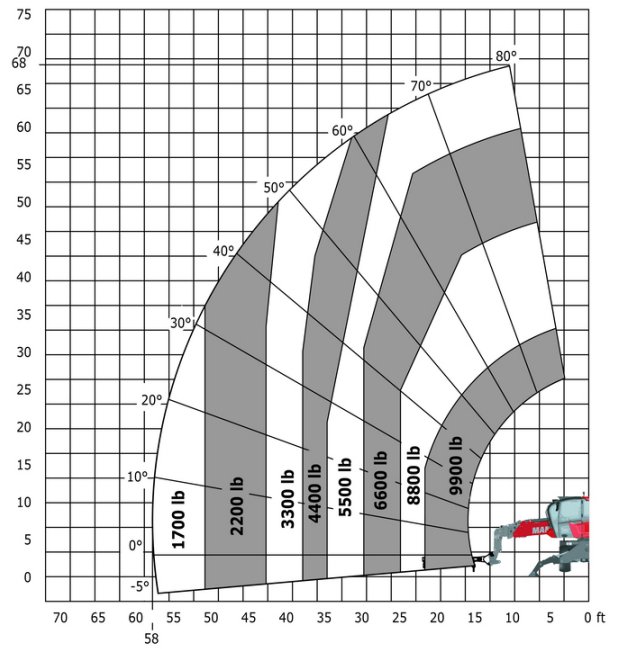
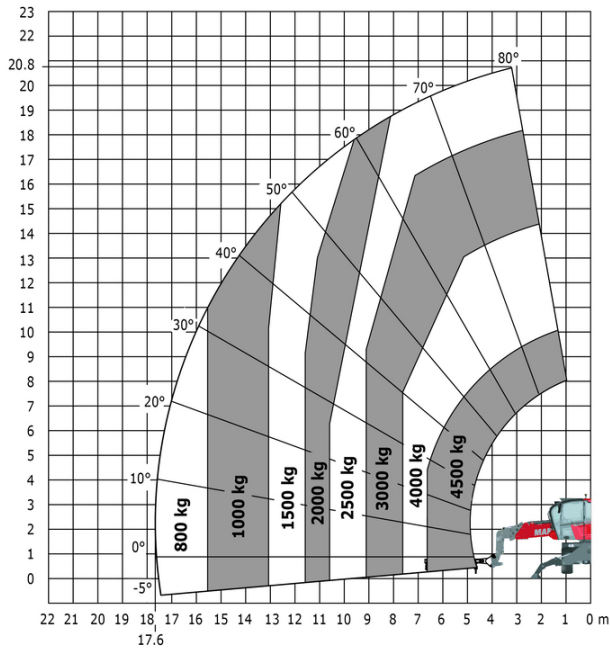
Machine on lowered stabilisers with 1500 kg jib with winch (Metric)



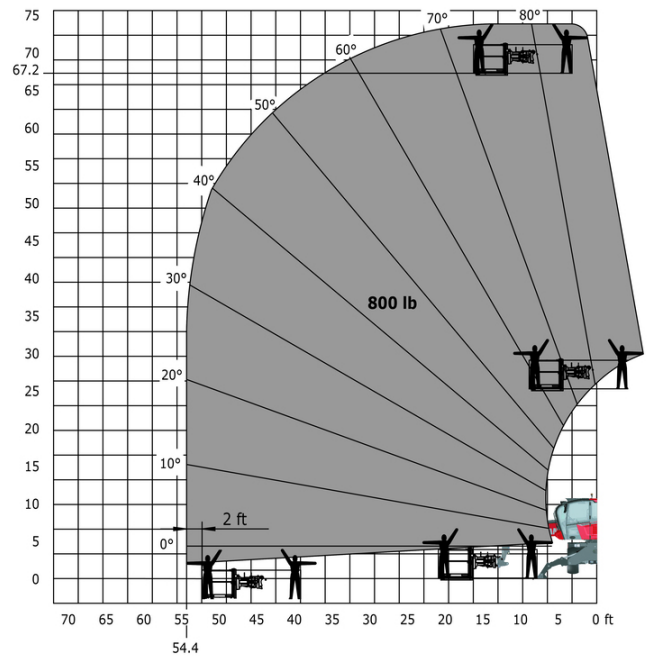
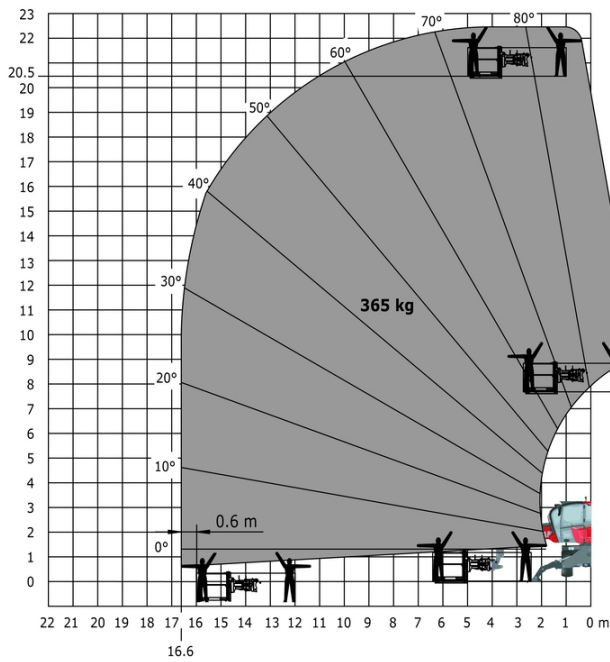
Machine on lowered stabilisers with 1500 kg jib with winch (Imperial)



Machine on lowered stabilisers with hook 5000 kg (Metric) Machine on lowered stabilisers with hook 5000 kg
(Imperial)

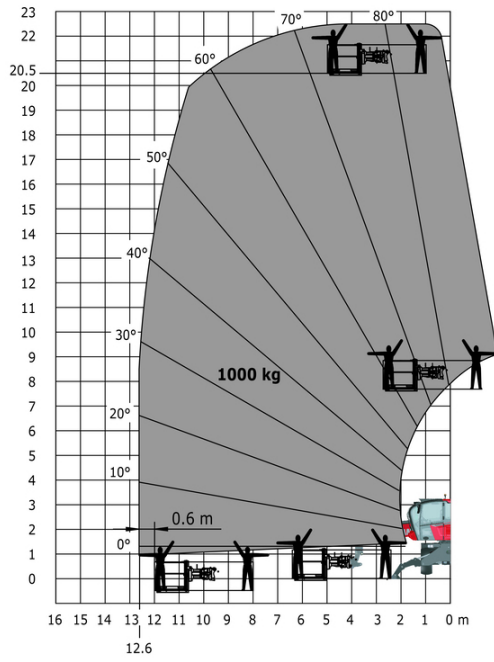


Machine on lowered stabilisers with 365 kg platform Metric Machine on lowered stabilisers with 365 kg platform
Imperial



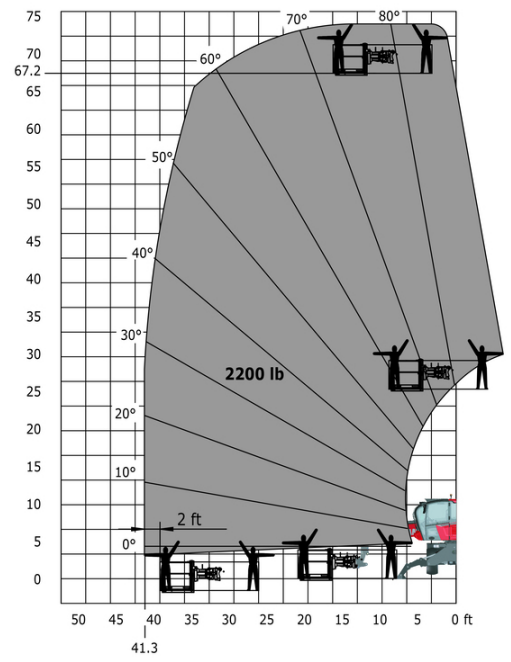
Machine on lowered stabilisers with 1000 kg platform

Metric



Machine on lowered stabilisers with 1000 kg platform

Imperial





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