Technical sheet :

MRT 2145 115

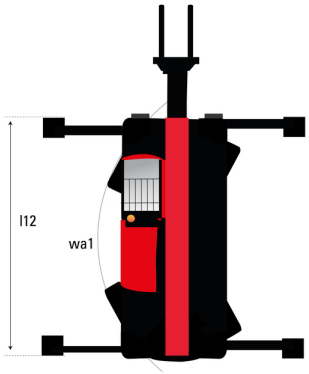
VISION

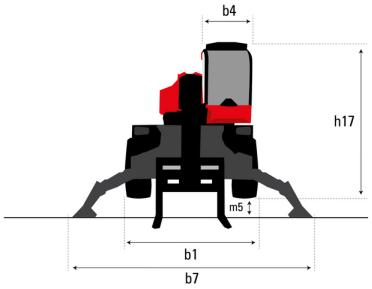


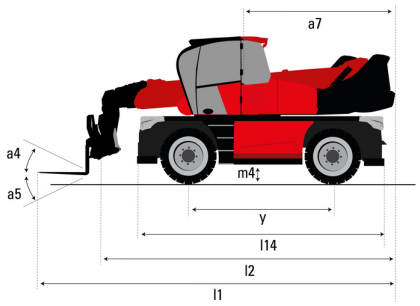
MANITOU
HANDLING YOUR WORLD

Capacities		Imperial
Max. capacity		9921 lb
Max. lifting height		67 ft 7 in
Max. outreach		59 ft 1 in
Weight and dimensions		
Overall length (with forks)	l1	26 ft
Length to face of forks	l2	22 ft 1 in
Overall width	b1	8 ft 2 in
Overall height	h17	10 ft
Overall cab width	b4	3 ft 2 in
Ground clearance	m4	1 ft 3 in
Wheelbase	y	8 ft 11 in
Tilt-up angle	a4	10 °
Tilt-down angle	a5	107 °
Turret rotation / rotation (Max.)		400 ° or 360 °
Overall weight		32849 lb
Forks length / width / section	l / e / s	47 in x 5 in x 2 in
Wheels		
Standard tires		18-19,5
Drive wheels (front / rear)		2 / 2
Steering mode		2 wheel steer, 4 wheel steer, Crab mode
Stabilisers		
Stabs Type		Spider Type
Controls with stabs		Stabs Commands Individual or Simultaneous
Engine		
Engine brand		Deutz
Engine norm		Stage V / Tier 4
Engine model		TCD 3.6 L4
I.C. Engine power rating / Power / Engine rotation		116 Hp / 85 kW @ 2200 rpm
Max. torque / Engine rotation (min)		339 ft/lbs @ 1600 rpm
Number of cylinders - Capacity of cylinders		4 - 221 in³
Engine cooling system		Water cooled
Electric circuit		
Number of batteries / Battery voltage		2 x 12 V
12V Battery capacity		120 Ah
Battery starting current		(EN)850 A
Transmission		
Transmission type		Hydrostatic
Number of gears (forward / reverse)		2 / 2
Max. travel speed		25 mph
Drawbar pull		9700 daN
Parking brake		Automatic negative parking brake
Service brake		Oil-immersed multi-discs braking on front & rear axles
Performances		
Gradeability (laden / unladen)		48.70 % / 49.80 %
Hydraulics		
Hydraulic pump type		Variable displacement pump
Hydraulic flow		31 US gpm
Hydraulic Pressure		3989 PSI
Tank capacities		
Engine oil		3 US gal
Hydraulic oil		40 US gal
Fuel tank		35 US gal
Diesel Exhaust fluid (AdBlue® type)		3 US gal
Noise and vibration		
Noise at driving position (LpA)		68 dB
Environmental noise (LwA)		106 dB
Vibration to whole hand/arm		< 2.50 m/s²
Miscellaneous		
Steering wheels (front / rear)		2 / 2
Controls		2 Joysticks
Safety cab homologation		ROPS - FOPS level 2 cab
Attachment recognition system (E-Reco)		Standard

MRT 2145 115 - Dimensional drawing



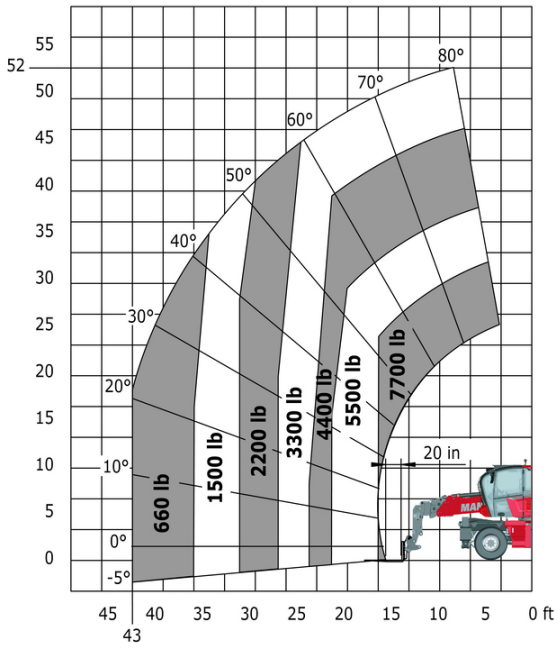




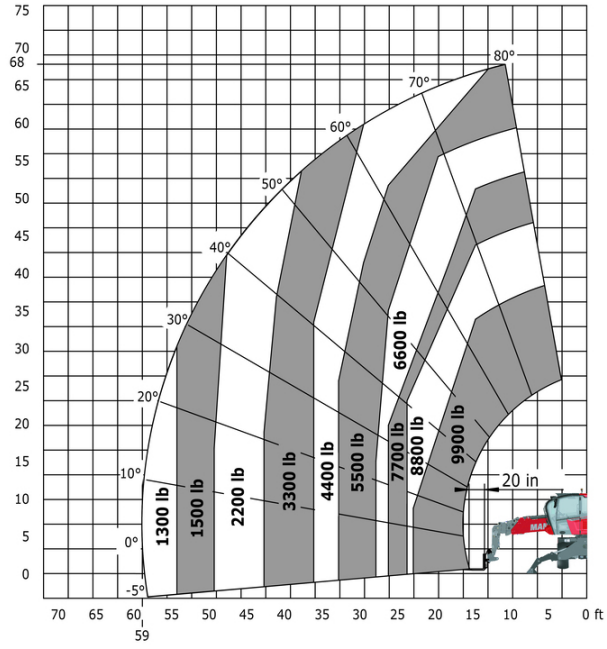
Other data		Imperial
Length of frame	l14	16 ft 4 in
Wheelbase	y	8 ft 11 in
Ground clearance	m4	1 ft 3 in
Counterweight offset (turret at 90°)	a7	8 ft 2 in
Tilt-up angle	a4	10 °
Tilt-down angle	a5	107 °
Overall length at stabilisers	l12	15 ft 5 in
External turning radius (over tyres)	Wa1	13 ft 8 in
Overall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

MRT 2145 115 - Load chart

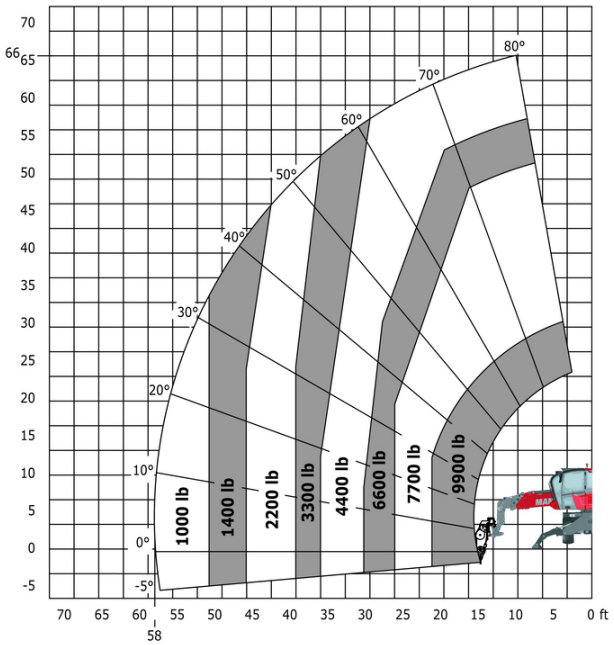
Machine on tyres with forks Imperial



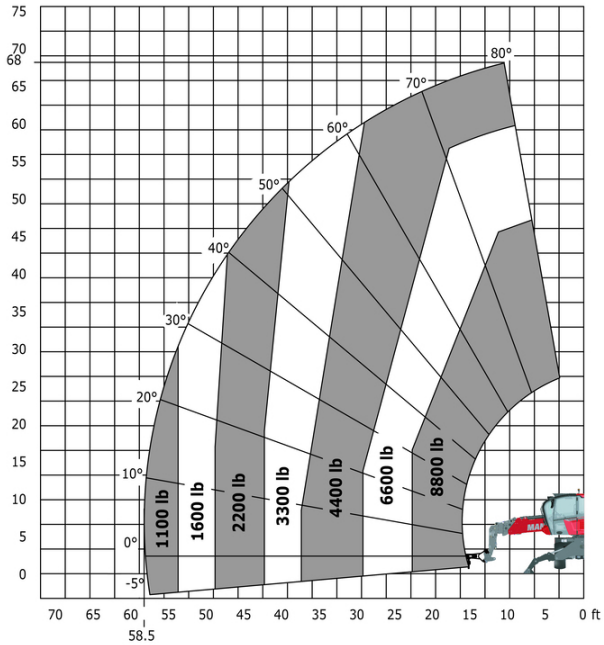
Machine on lowered stabilisers with forks Imperial



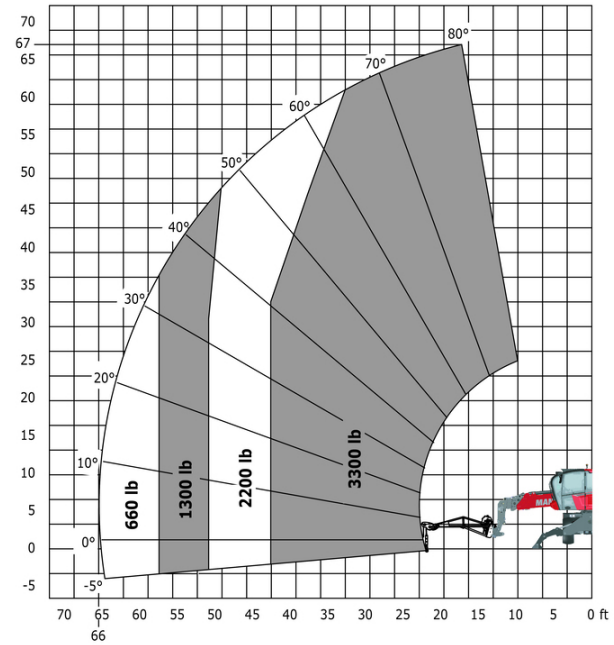
Machine on lowered stabilisers with winch 5000 kg Imperial



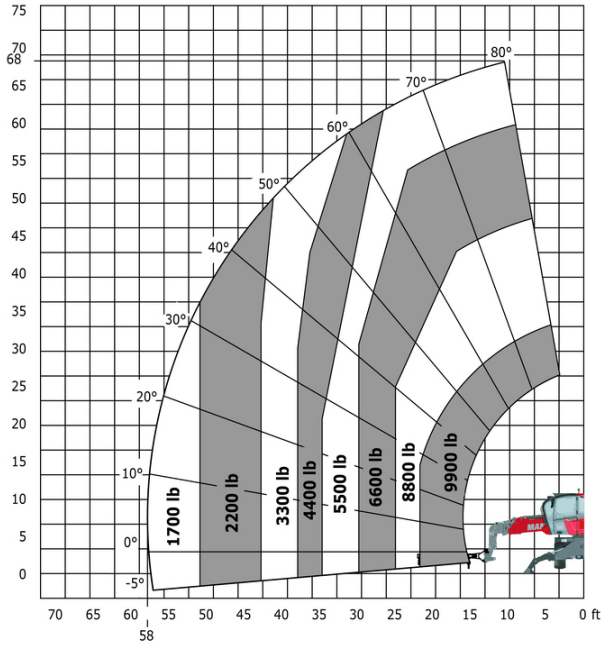
Machine on lowered stabilisers with 4000 kg jib (Imperial)



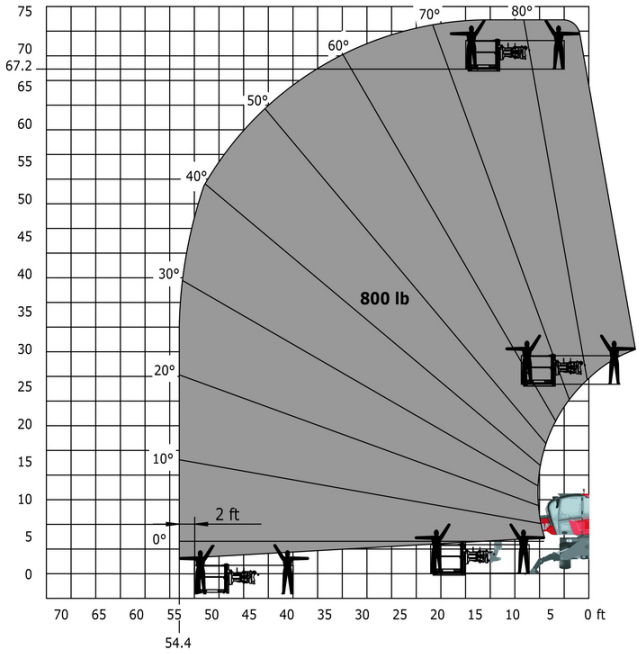
Machine on lowered stabilisers with 1500 kg jib with winch (Imperial)



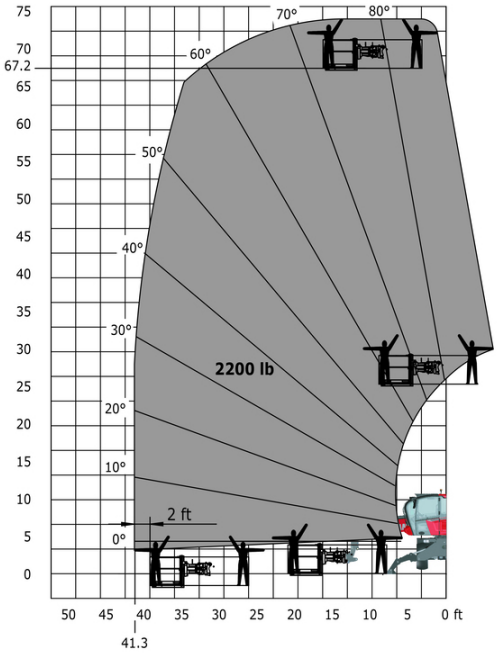
Machine on lowered stabilisers with hook 5000 kg (Imperial)



Machine on lowered stabilisers with 365 kg platform Imperial



Machine on lowered stabilisers with 1000 kg platform Imperial



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