

Technical sheet :

MRT 2545 115

VISION



 **MANITOU**
HANDLING YOUR WORLD

Capacities		Imperial
Max. capacity		9921 lb
Max. lifting height		80 ft 9 in
Maximum outreach		64 ft
Weight and dimensions		
Overall length (with forks)	l1	29 ft 3 in
Length to face of forks	l2	25 ft 4 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		35076 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		
Stabilizers 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		116 Hp / 85 kW
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
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
Fuel tank		34 US gal
Diesel Exhaust fluid (AdBlue® type)		3 US gal
Noise and vibration		
Noise at driving position (LpA)		68 dB
Noise to environment (LWA)		106 dB
Vibration on hands/arms		< 2.50 m/s²
Miscellaneous		
Steering wheels (front / rear)		2 / 2
Controls		2 Joysticks
Cab certification		Cabin ROPS - FOPS level 2
Attachment recognition system (E-Reco)		Standard

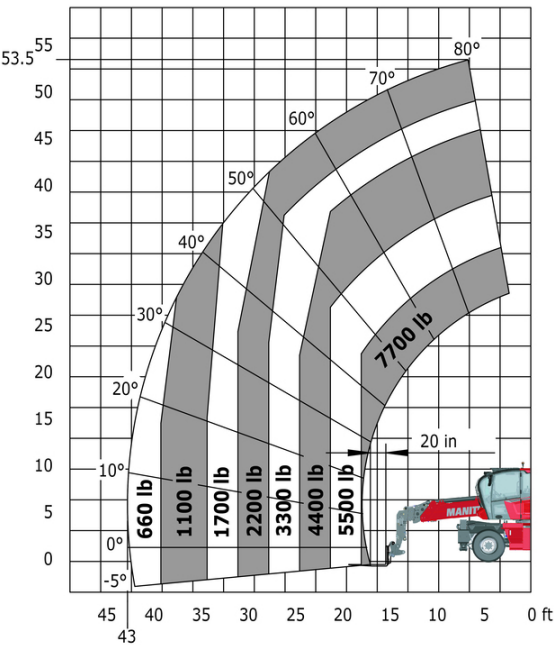
MRT 2545 115 - Dimensional drawing



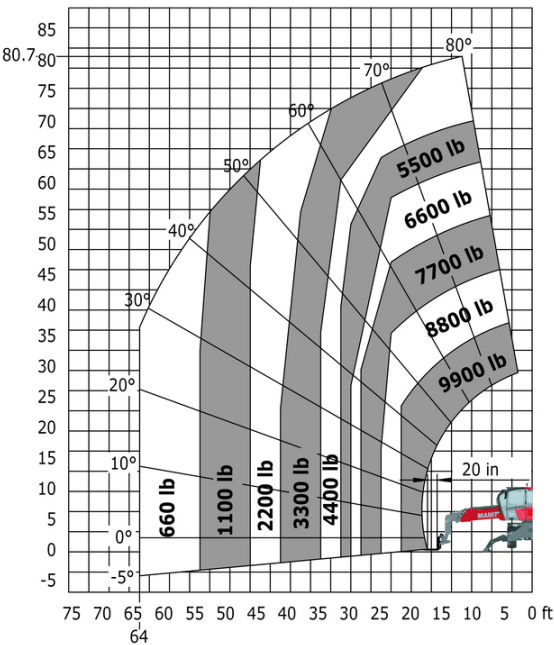
Other data			Imperial
Length of frame		l14	16 ft 4 in
Wheelbase		y	8 ft 11 in
Ground clearance		m4	1 ft 3 in
Counterweight offset (turret at 90°)		a7	9 ft 11 in
Tilt-up angle		a4	10 °
Tilt-down angle		a5	107 °
Overall length at stabilisers		l12	15 ft 5 in
External turning radius (over tyres)		Wa1	13 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 2545 115 - Load chart

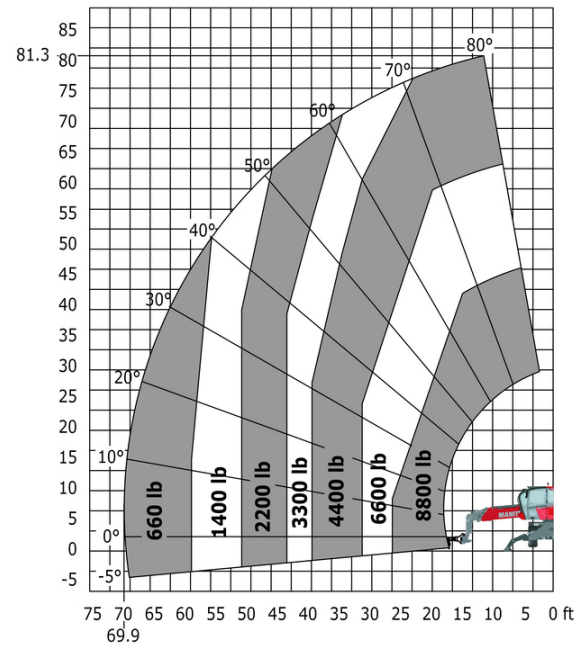
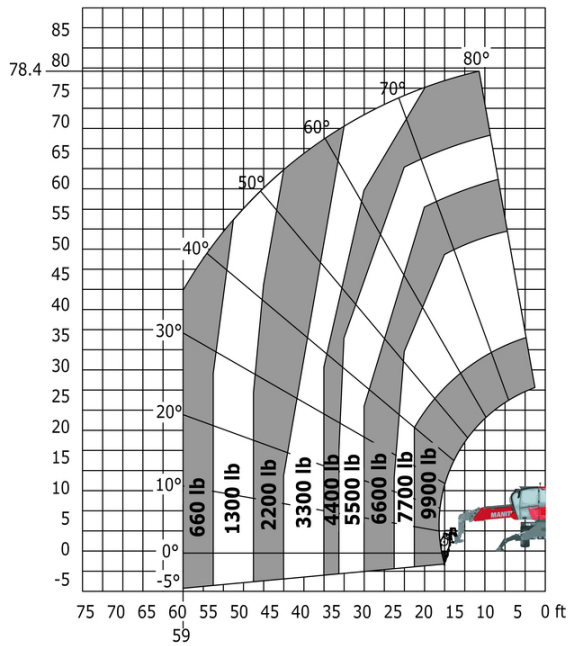
Machine on tires with forks Imperial



Machine on lowered stabilisers with forks Imperial

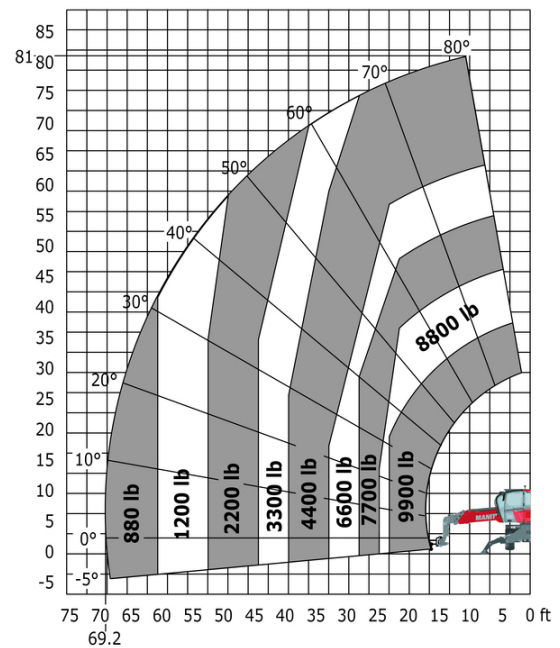
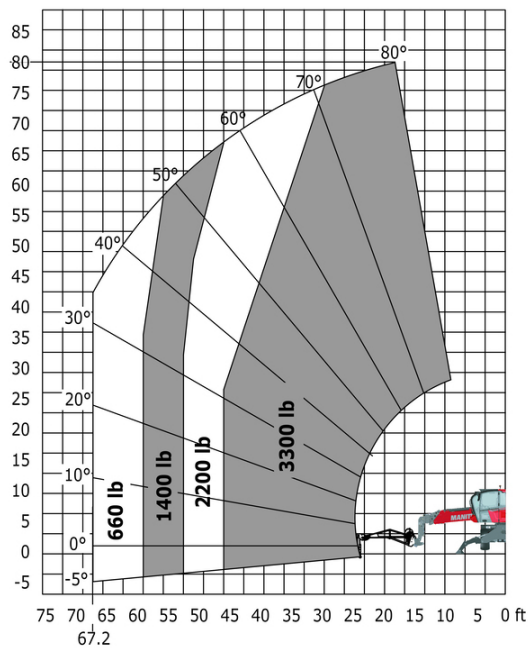


Machine on lowered stabilisers with winch 5000 kg Imperial Machine on lowered stabilisers with 4000 kg jib (Imperial)

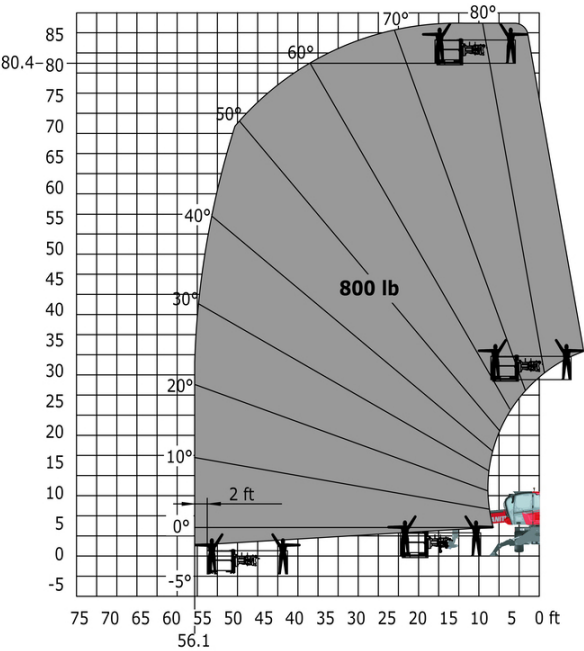


Machine on lowered stabilisers with 1500 kg jib with winch (Imperial)

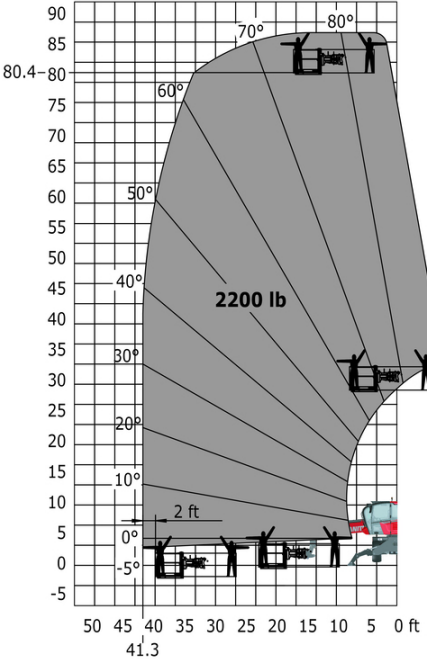
Machine on lowered stabilisers with hook 5000 kg (Imperial)



Machine on lowered stabilisers with 365 kg platform
Imperial



Machine on lowered stabilisers with 1000 kg platform
Imperial





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