

Technical sheet :

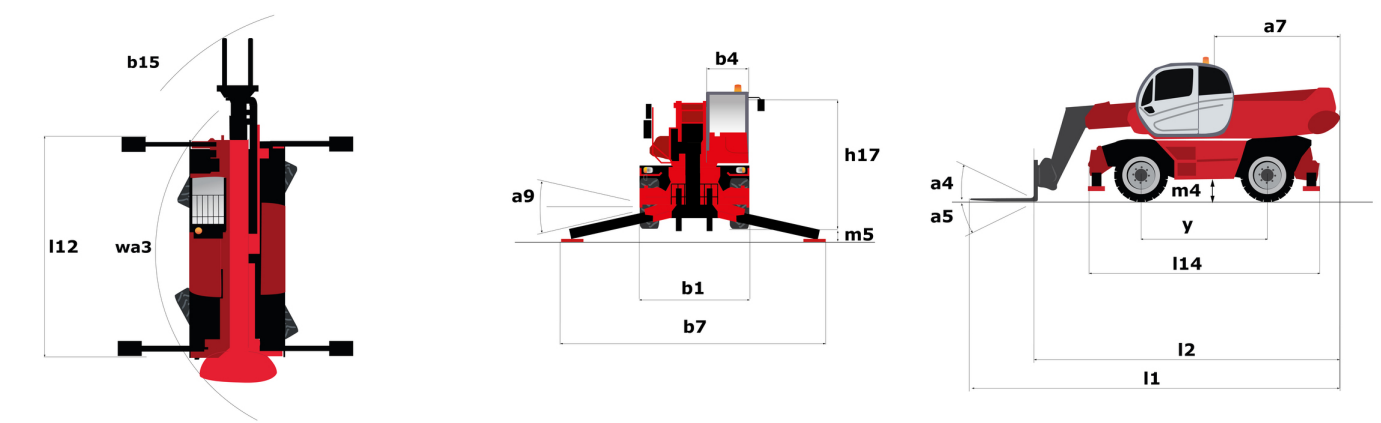
MRT 2150 PRIVILEGE PLUS



 **MANITOU**
HANDLING YOUR WORLD

Capacities		Metric	Imperial
Max. capacity		4999 kg	11021 lb
Max. lifting height		20.90 m	68 ft 7 in
Maximum outreach		17.90 m	58 ft 9 in
Weight and dimensions			
Overall length (with forks)	l1	8.07 m	26 ft 6 in
Length to face of forks	l2	6.87 m	22 ft 6 in
Overall width	b1	2.49 m	8 ft 2 in
Overall height	h17	3.05 m	10 ft
Overall cab width	b4	0.99 m	3 ft 3 in
Outer frame turning radius	Wa3	5.23 m	17 ft 2 in
Ground clearance	m4	0.35 m	1 ft 2 in
Wheelbase	y	3.05 m	10 ft
Frame leveling longitudinal +/-		8 °	8 °
Tilt-up angle	a4	12 °	12 °
Tilt-down angle	a5	105 °	105 °
Turret rotation (Max.)		360 °	360 °
Overall weight		17930 kg	39529 lb
Forks length / width / section	l / e / s	1200 mm x 150 mm x 50 mm	47 in x 6 in x 2 in
Wheels			
Standard tires		445/65 R22,5	445/65 R22,5
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			
Stabilizers Type		Telescopic Duplex	Telescopic Duplex
Controls with stabs		Stabs Commands Individual or Simultaneous	Stabs Commands Individual or Simultaneous
Engine			
Engine brand		Mercedes	Mercedes
Engine norm		Stage IV, Tier 4 final	Stage IV, Tier 4 final
Engine model		OM 934 LA.E4-5	OM 934 LA.E4-5
I.C. Engine power rating / Power / Engine rotation		156 Hp / 115 kW @ 1600 rpm	156 Hp / 115 kW @ 1600 rpm
Max. torque / Engine rotation (min)		675 Nm @ 1200 rpm	498 ft/lbs @ 1200 rpm
Number of cylinders - Capacity of cylinders		4 - 5130 cm³	4 - 313 in³
Injection		engine Injection direct	engine Injection direct
Engine cooling system		Water	Water
Electric circuit			
Number of batteries / Battery voltage		2 x 12 V	2 x 12 V
12V Battery capacity		120 Ah	120 Ah
Transmission			
Transmission type		Hydrostatic	Hydrostatic
Number of gears (forward / reverse)		2 / 2	2 / 2
Max. travel speed		40 km/h	25 mph
Drawbar pull		8700 daN	8700 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	30 US gpm
Hydraulic Pressure		275 bar	3989 PSI
Tank capacities			
Engine oil		14 l	4 US gal
Fuel tank		305 l	81 US gal
Diesel Exhaust fluid (AdBlue® type)		57 l	15 US gal
Noise and vibration			
Noise at driving position (LpA)		79.70 dB	79.70 dB
Noise to environment (LwA)		108 dB	108 dB
Vibration on hands/arms		< 2.50 m/s²	< 2.50 m/s²
Miscellaneous			
Steering wheels (front / rear)		2 / 2	2 / 2
Controls		2 Joysticks	2 Joysticks
Cab certification		Cabin ROPS - FOPS level 2	Cabin ROPS - FOPS level 2
Attachment recognition system (E-Reco)		Standard	Standard

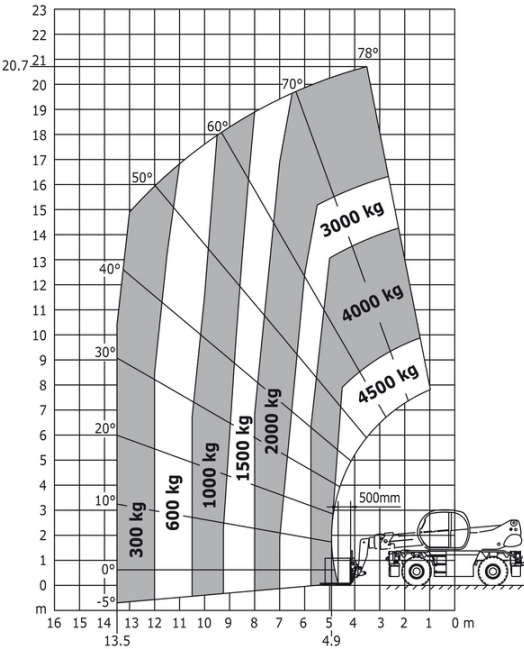
MRT 2150 Privilege Plus - Dimensional drawing



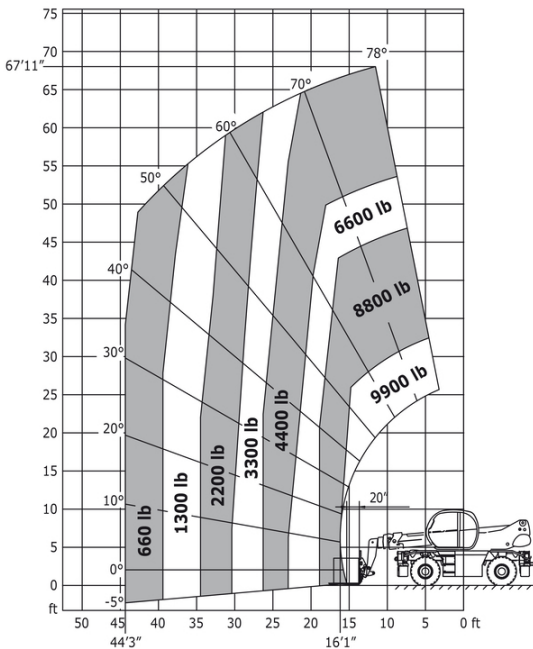
Other data		Metric	Imperial
Length of frame	l14	5.35 m	17 ft 7 in
Wheelbase	y	3.05 m	10 ft
Ground clearance	m4	0.35 m	1 ft 2 in
Counterweight offset (turret at 90°)	a7	2.68 m	8 ft 10 in
Tilt-up angle	a4	12 °	12 °
Tilt-down angle	a5	105 °	105 °
Overall length at stabilisers	l12	5.19 m	17 ft
Outer frame turning radius	Wa3	5.23 m	17 ft 2 in
Outer turning radius (with forks)	b15	6.55 m	21 ft 6 in
Overall width with stabilisers extended	b7	5.55 m	18 ft 3 in
Overall height	h17	3.05 m	10 ft
Frame leveling corrector	a9	+/- 8 °	+/- 8 °
Ground clearance under front tires on stabilizers	m5	0.23 m	9 in

MRT 2150 Privilege Plus - Load chart

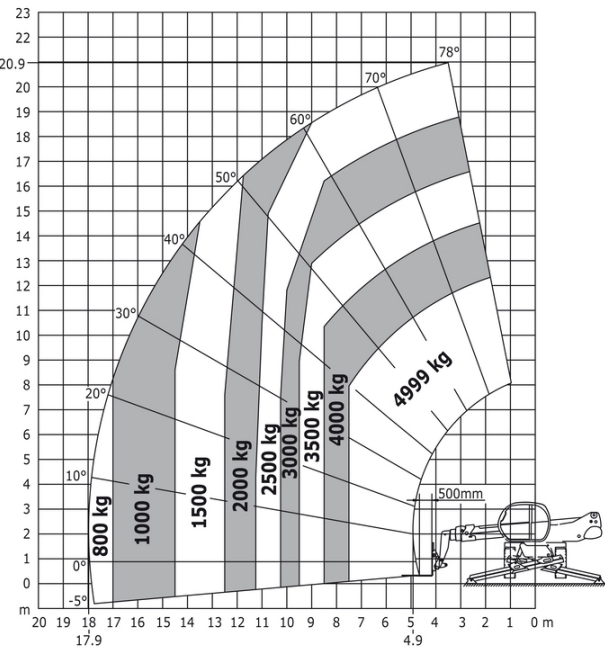
Machine on tires with forks Metric



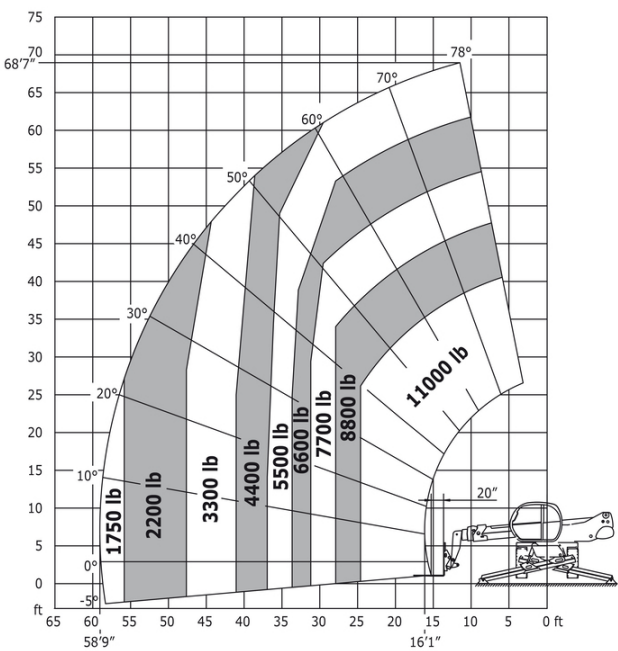
Machine on tires with forks Imperial



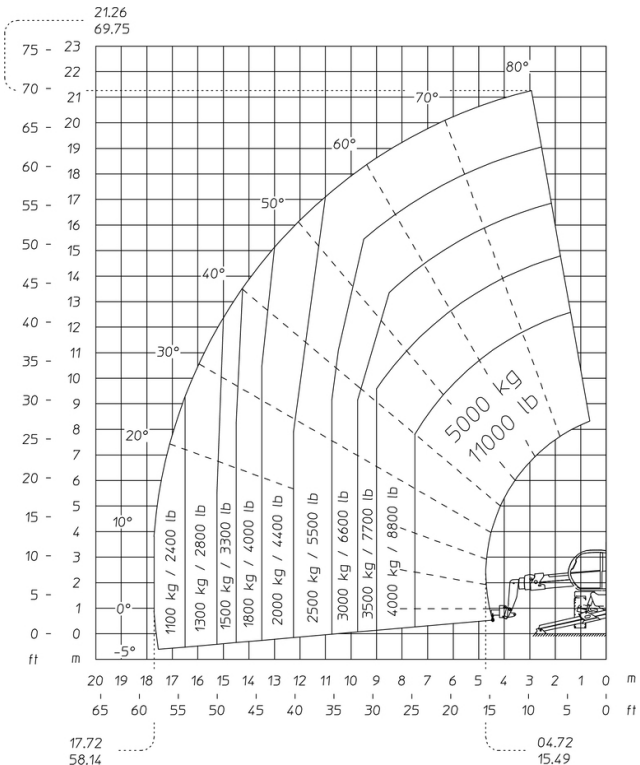
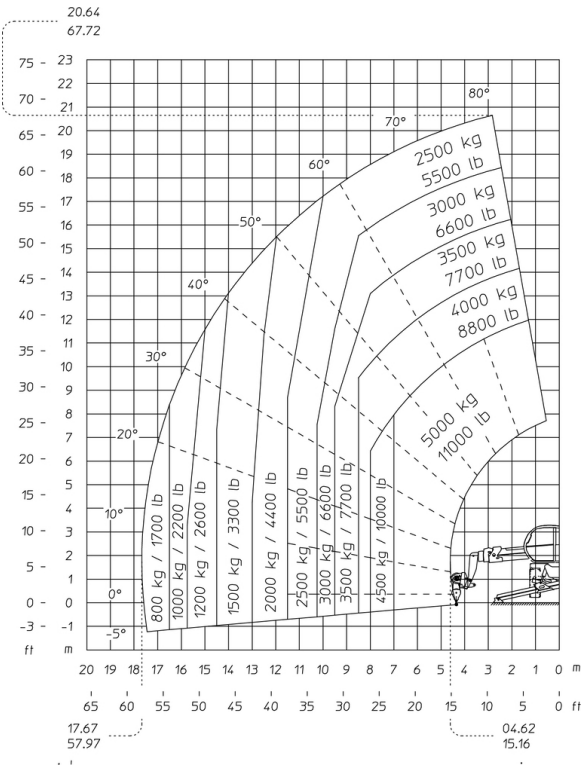
Machine on lowered stabilisers with forks Metric



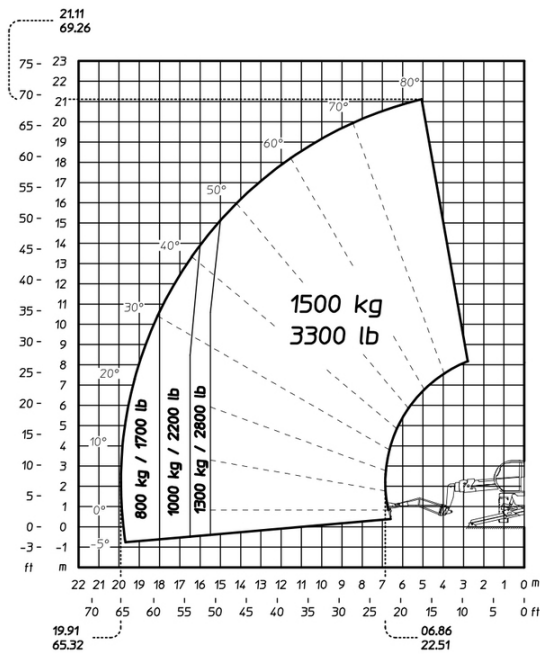
Machine on lowered stabilisers with forks Imperial



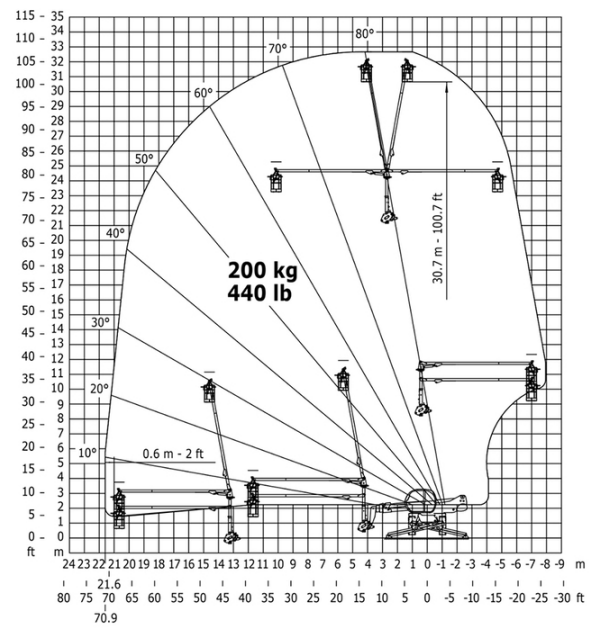
Machine on lowered stabilisers with winch 5000 kg Metric Machine on lowered stabilisers with winch 5000 kg Imperial



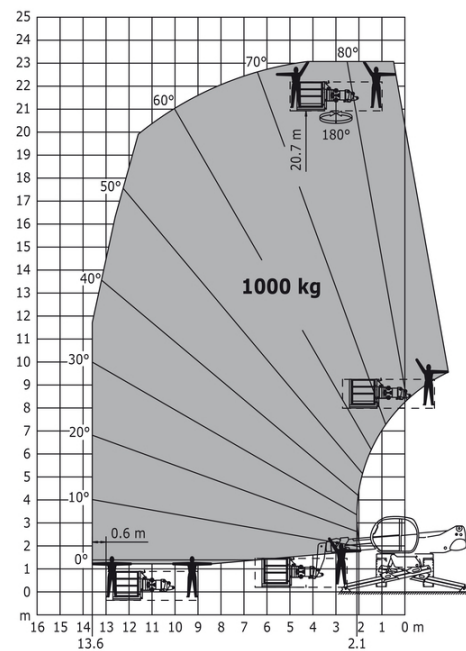
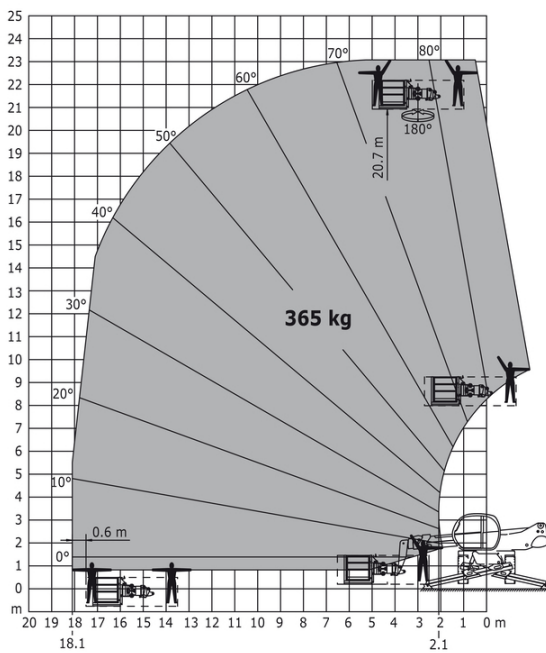
Machine on lowered stabilisers with 1500 kg jib Metric



Machine on lowered stabilisers with 3D positive / negative Imperial

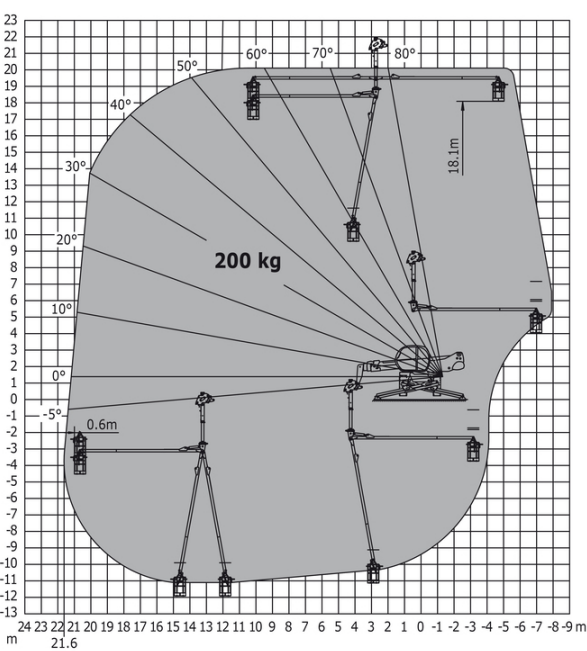
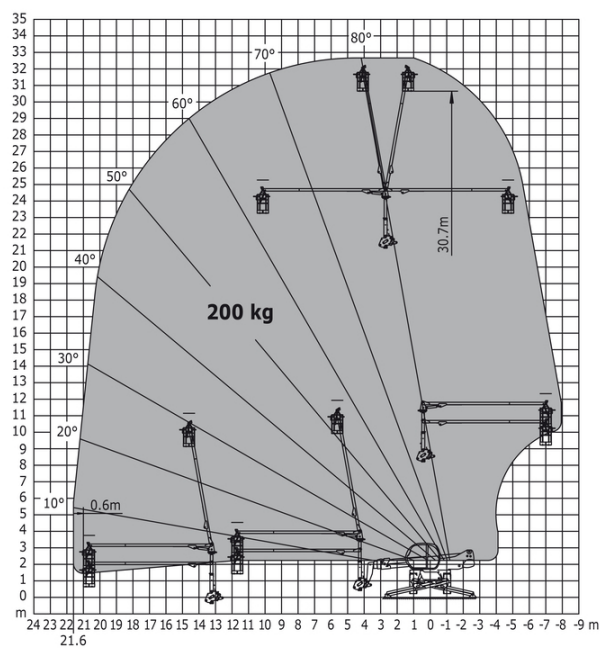


Machine on lowered stabilisers with 365 kg platform Metric Machine on lowered stabilisers with 1000 kg platform Metric



Machine on lowered stabilisers with 3D positive Metric

Machine on lowered stabilisers with 3D negative Metric





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