Technical sheet :

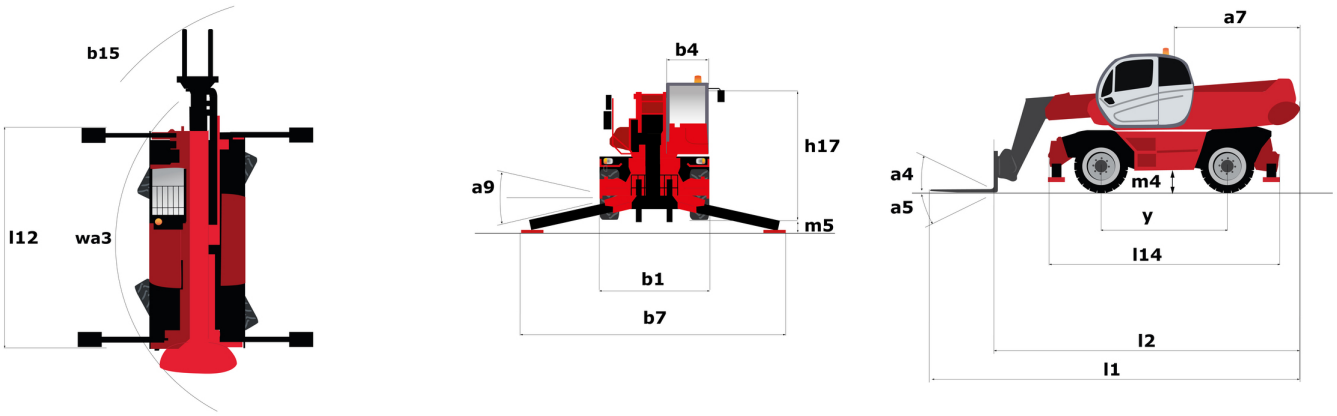
MRT 2550 PRIVILEGE PLUS



MANITOU
HANDLING YOUR WORLD

Capacities		Metric	Imperial
Max. capacity		4999 kg	11021 lb
Max. lifting height		24.70 m	81 ft
Max. outreach		21.40 m	70 ft 3 in
Weight and dimensions			
Overall length (with forks)	l1	9.04 m	29 ft 8 in
Length to face of forks	l2	7.84 m	25 ft 9 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
Tilt-up angle	a4	13 °	13 °
Tilt-down angle	a5	102 °	102 °
Turret rotation		360 °	360 °
Overall weight		18900 kg	41667 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			
Tires type		Pneumatic	Pneumatic
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			
Stabs 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
Hydraulic tank capacity		225 l	59 US gal
Tank capacities			
Engine oil		14 l	4 US gal
Hydraulic oil		225 l	59 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
Environmental noise (LwA)		108 dB	108 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

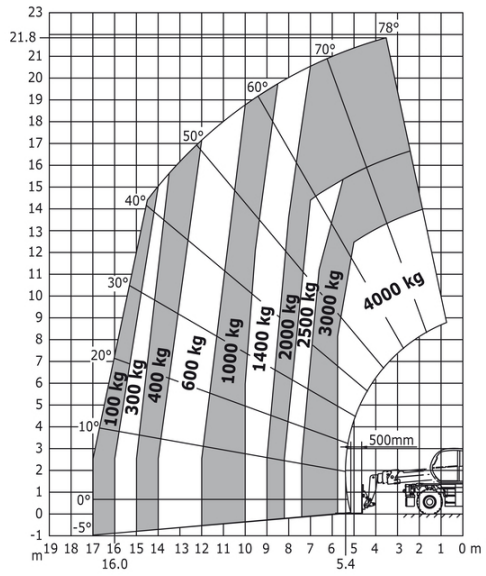
MRT 2550 Privilege Plus - Dimensional drawing



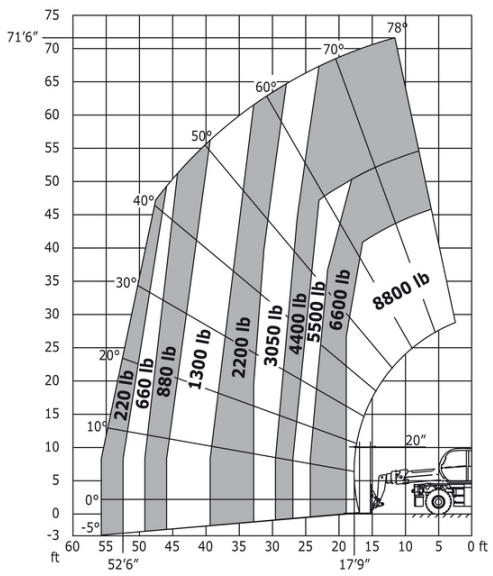
Other data		Metric	Imperial
Length of frame	l14	5.35 m	17 ft 7 in
Wheelbase	y	3.05 m	10 ft
Ground clearance	m4	0.35 m	1 ft 2 in
Counterweight offset (turret at 90°)	a7	3.18 m	10 ft 5 in
Tilt-up angle	a4	13 °	13 °
Tilt-down angle	a5	102 °	102 °
Overall length at stabilisers	l12	5.19 m	17 ft
Outer frame turning radius	Wa3	5.23 m	17 ft 2 in
Outer turning radius (with forks)	b15	6.92 m	22 ft 8 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 2550 Privilege Plus - Load chart

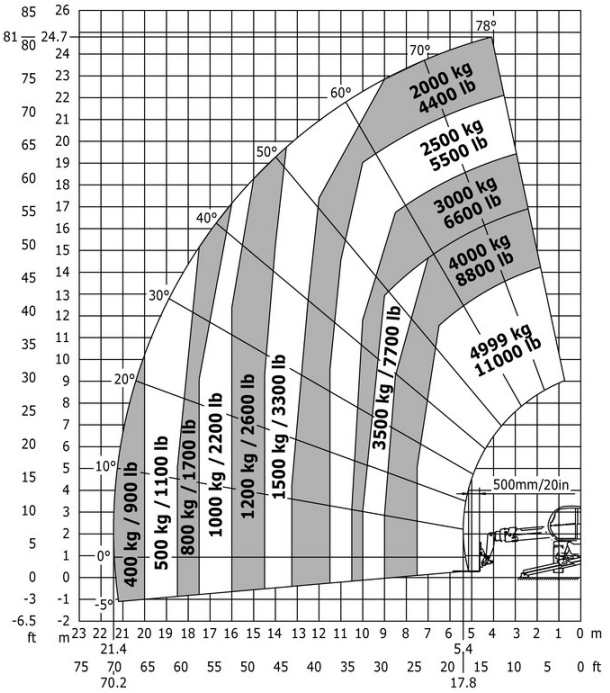
Machine on tyres with forks Metric



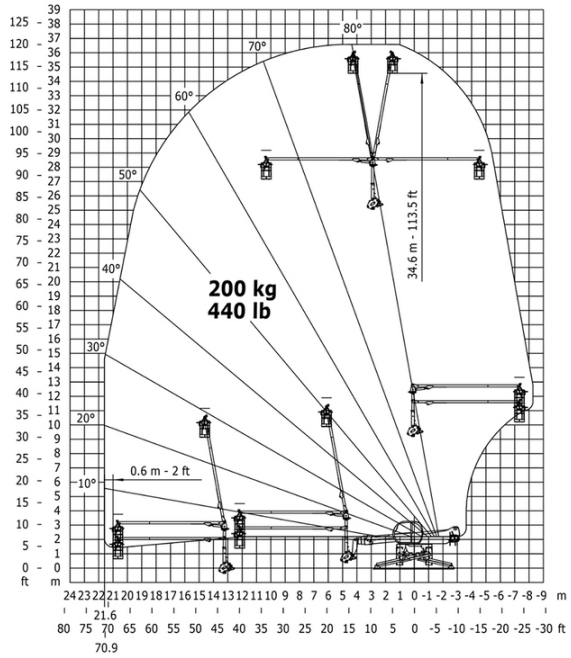
Machine on tyres with forks Imperial



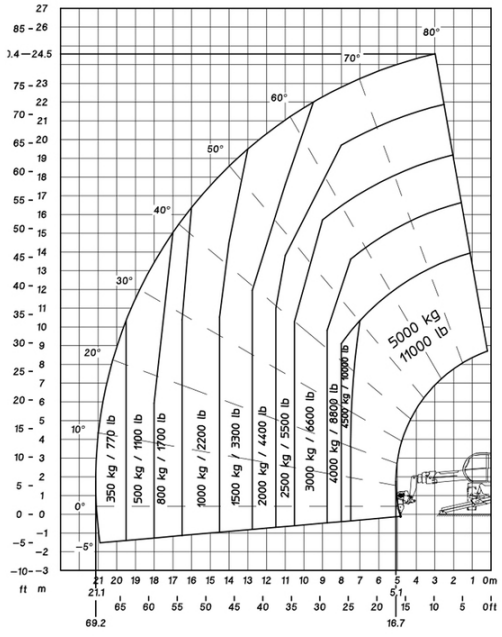
Machine on lowered stabilisers with forks Metric



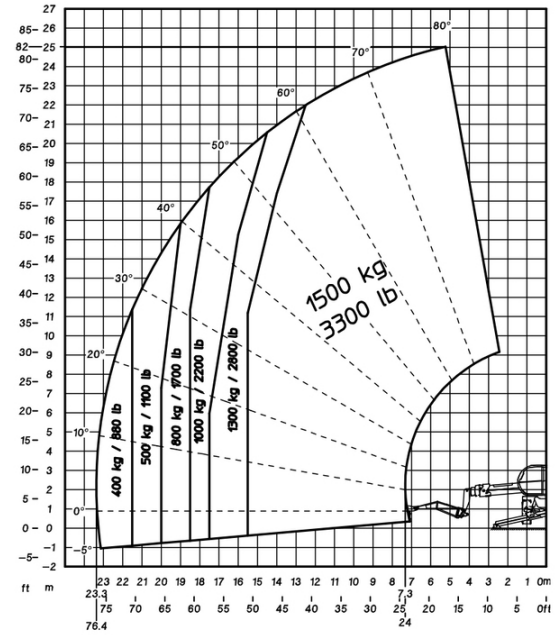
Machine on lowered stabilisers with 3D positive / negative Imperial



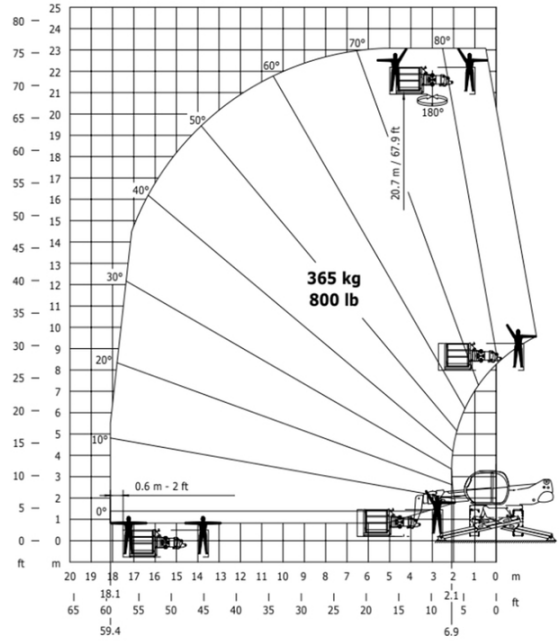
Machine on lowered stabilisers with winch 5000 kg Metric



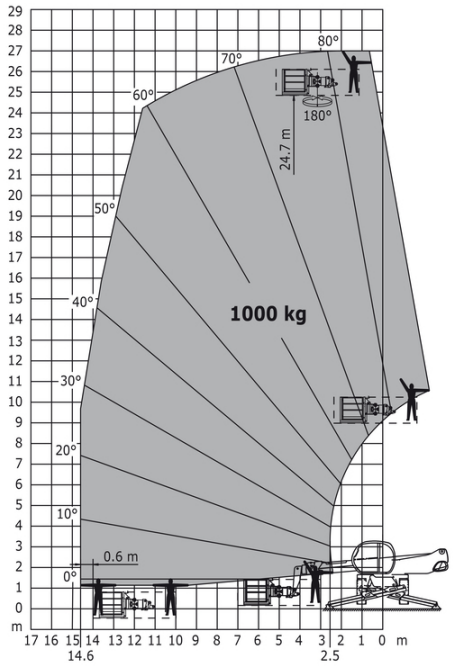
Machine on lowered stabilisers with 1500 kg jib Metric



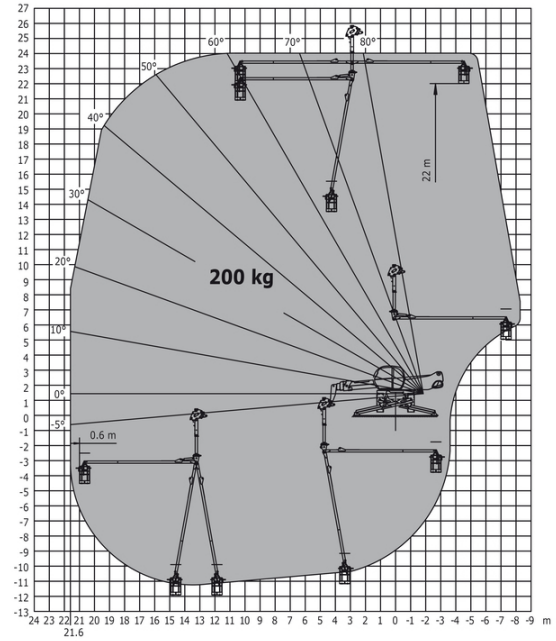
Machine on lowered stabilisers with 365 kg platform Metric



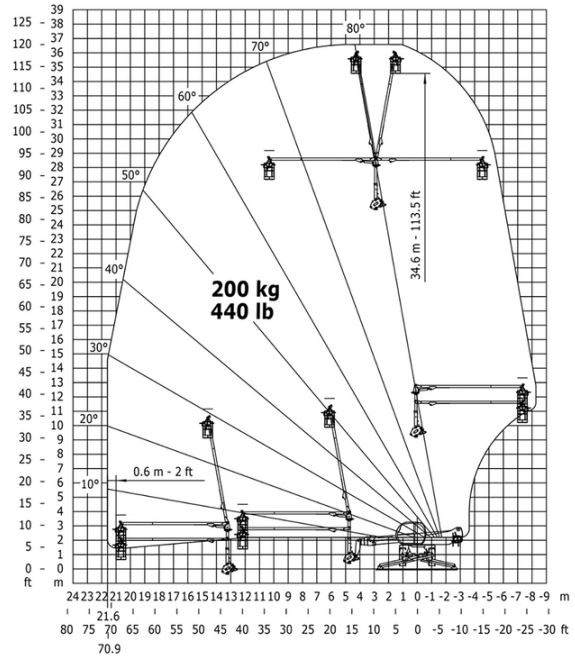
Machine on lowered stabilisers with 1000 kg platform Metric



Machine on lowered stabilisers with 3D negative Metric



Machine on lowered stabilisers with 3D positive / negative Metric



Head Office
B.P. 249 - 430 rue de l'Aubinière
44150 Ancenis Cedex - France
Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97
www.manitou.com



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