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TELESCOPIC HANDLERS

MANITOU MRT 2550



Technical sheet :

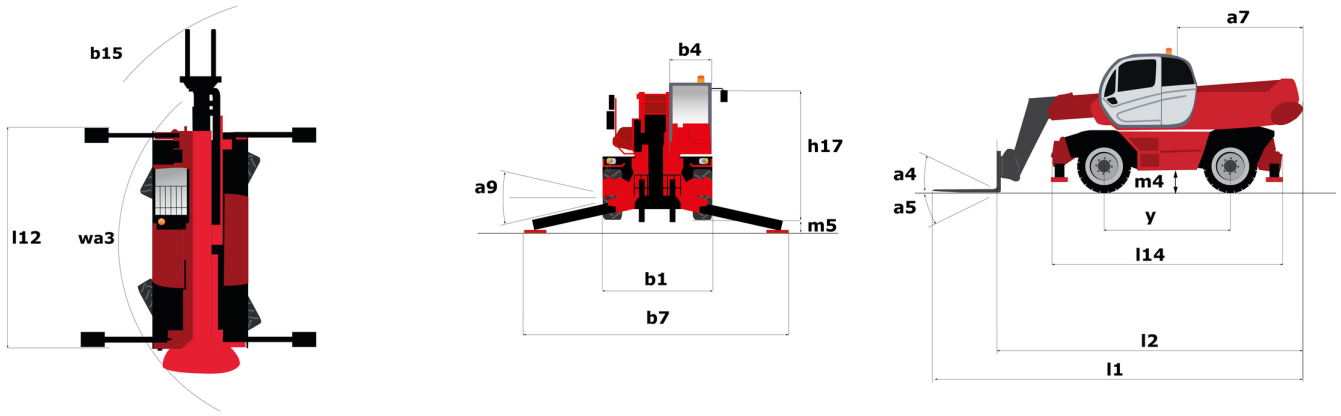
MRT 2550 PRIVILEGE PLUS



 **MANITOU**
HANDLING YOUR WORLD

Capacities		Metric
Max. capacity		4999 kg
Max. lifting height		24.70 m
Max. outreach		21.40 m
Weight and dimensions		
Overall length (with forks)	l1	9.04 m
Length to face of forks	l2	7.84 m
Overall width	b1	2.49 m
Overall height	h17	3.05 m
Overall cab width	b4	0.99 m
Outer frame turning radius	Wa3	5.23 m
Ground clearance	m4	0.35 m
Wheelbase	y	3.05 m
Tilt-up angle	a4	13 °
Tilt-down angle	a5	102 °
Turret rotation		360 °
Overall weight		18900 kg
Forks length / width / section	l / e / s	1200 mm x 150 mm x 50 mm
Wheels		
Tires type		Pneumatic
Standard tires		445/65 R22,5
Drive wheels (front / rear)		2 / 2
Steering mode		2 wheel steer, 4 wheel steer, Crab mode
Stabilisers		
Stabs Type		Telescopic Duplex
Controls with stabs		Stabs Commands Individual or Simultaneous
Engine		
Engine brand		Mercedes
Engine norm		Stage IV / Tier 4 Final
Engine model		OM 934 LA.E4-5
I.C. Engine power rating / Power / Engine rotation		156 Hp / 115 kW @ 1600 rpm
Max. torque / Engine rotation (min)		675 Nm @ 1200 rpm
Number of cylinders - Capacity of cylinders		4 - 5130 cm³
Injection		engine Injection direct
Engine cooling system		Water
Electric circuit		
Number of batteries / Battery voltage		2 x 12 V
12V Battery capacity		120 Ah
Transmission		
Transmission type		Hydrostatic
Number of gears (forward / reverse)		2 / 2
Max. travel speed		40 km/h
Drawbar pull		8700 daN
Parking brake		Automatic Negative Hand-brake
Service brake		Hydraulic
Hydraulics		
Hydraulic pump type		Gear pump
Hydraulic flow		115 l/min
Hydraulic Pressure		275 bar
Hydraulic tank capacity		225 l
Tank capacities		
Engine oil		14 l
Fuel tank		305 l
Diesel Exhaust fluid (AdBlue® type)		57 l
Noise and vibration		
Noise at driving position (LpA)		79.70 dB
Noise to environment (LwA)		107 dB
Vibration on hands/arms		< 2.50 m/s²
Miscellaneous		
Steering wheels (front / rear)		2 / 2
Controls		2 Joysticks
Safety cab homologation		Cabin ROPS - FOPS level 2
Attachment recognition system (E-Reco)		Standard

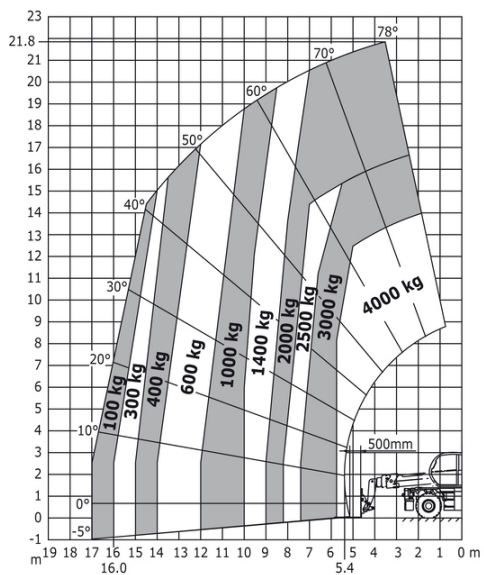
MRT 2550 Privilege Plus - Dimensional drawing



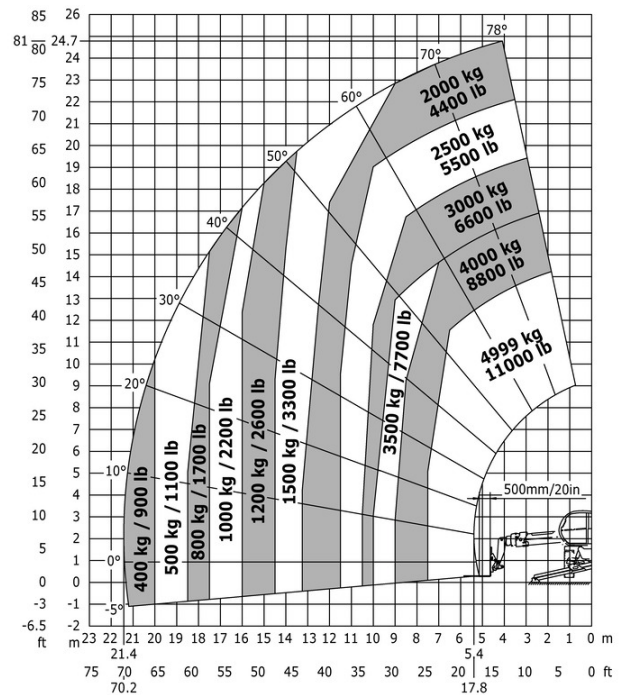
Other data		Metric
Length of frame	l14	5.35 m
Wheelbase	y	3.05 m
Ground clearance	m4	0.35 m
Counterweight offset (turret at 90°)	a7	3.18 m
Tilt-up angle	a4	13 °
Tilt-down angle	a5	102 °
Overall length at stabilisers	l12	5.19 m
Outer frame turning radius	Wa3	5.23 m
Outer turning radius (with forks)	b15	6.92 m
Overall width with stabilisers extended	b7	5.55 m
Overall height	h17	3.05 m
Frame leveling corrector	a9	+/- 8 °
Ground clearance under front tires on stabilizers	m5	0.23 m

MRT 2550 Privilege Plus - Load chart

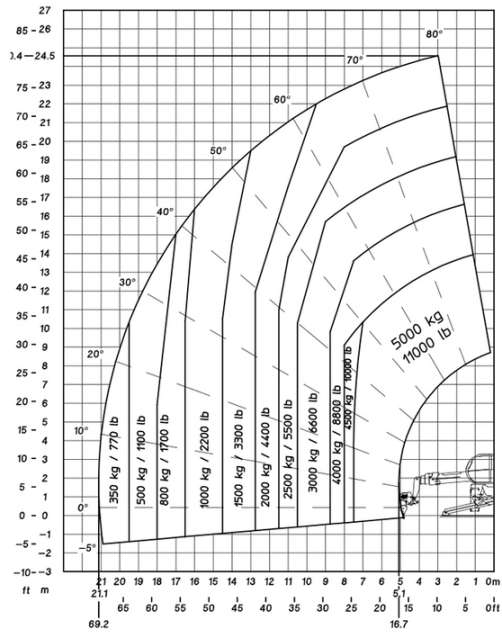
Machine on tires with forks Metric



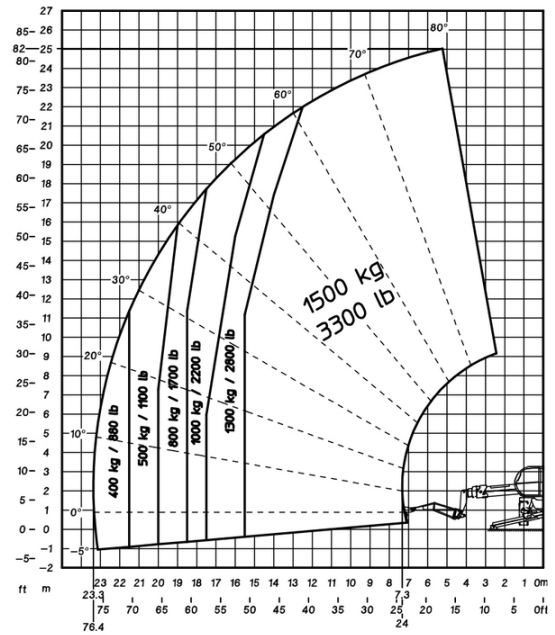
Machine on lowered stabilisers with forks Metric



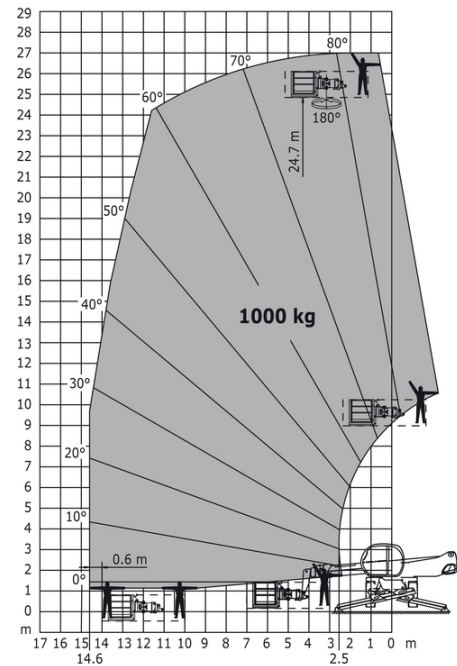
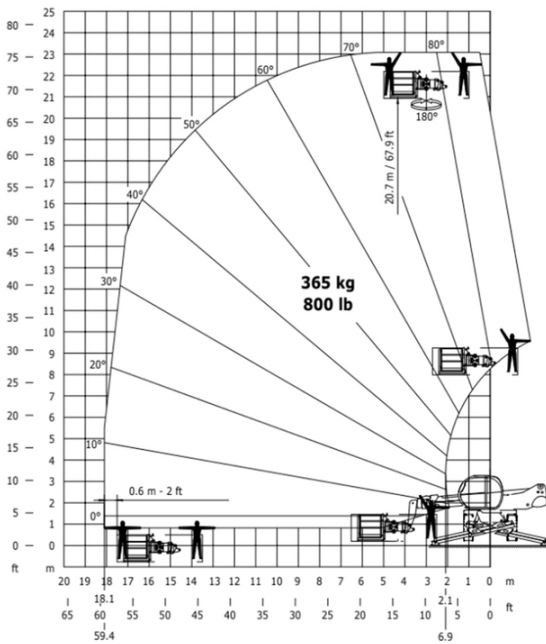
Machine on lowered stabilisers with winch 5000 kg Metric



Machine on lowered stabilisers with 1500 kg jib Metric

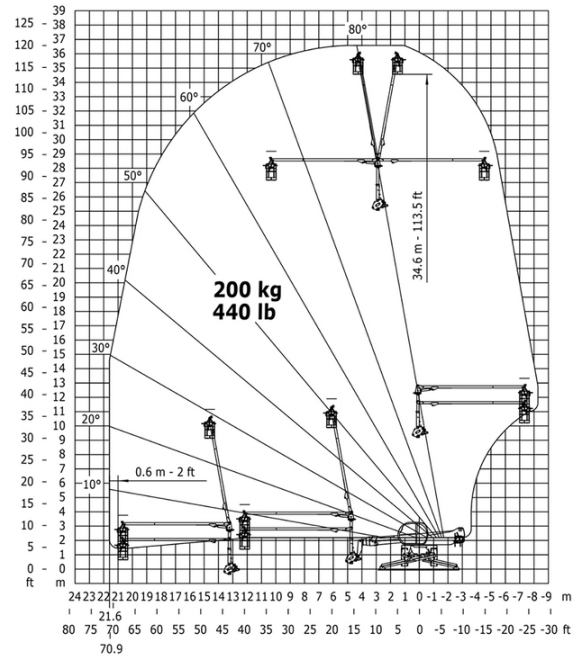
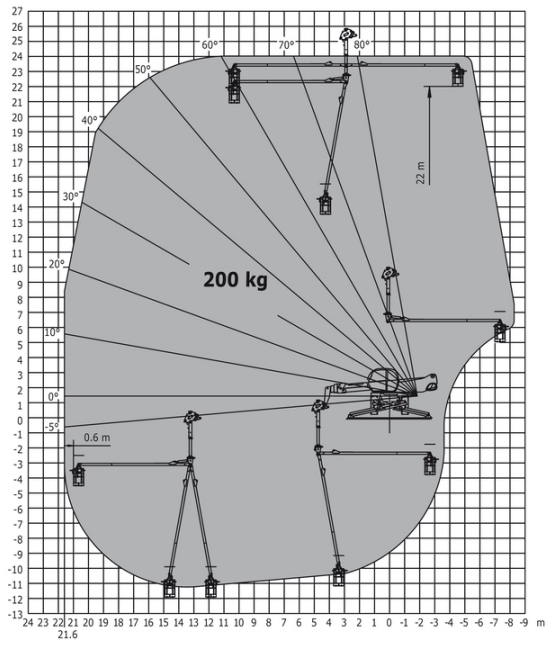


Machine on lowered stabilisers with 365 kg platform Metric Machine on lowered stabilisers with 1000 kg platform Metric



Machine on lowered stabilisers with 3D negative Metric

Machine on lowered stabilisers with 3D positive / negative Metric



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