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TELESCOPIC HANDLERS

MANITOU 21.50



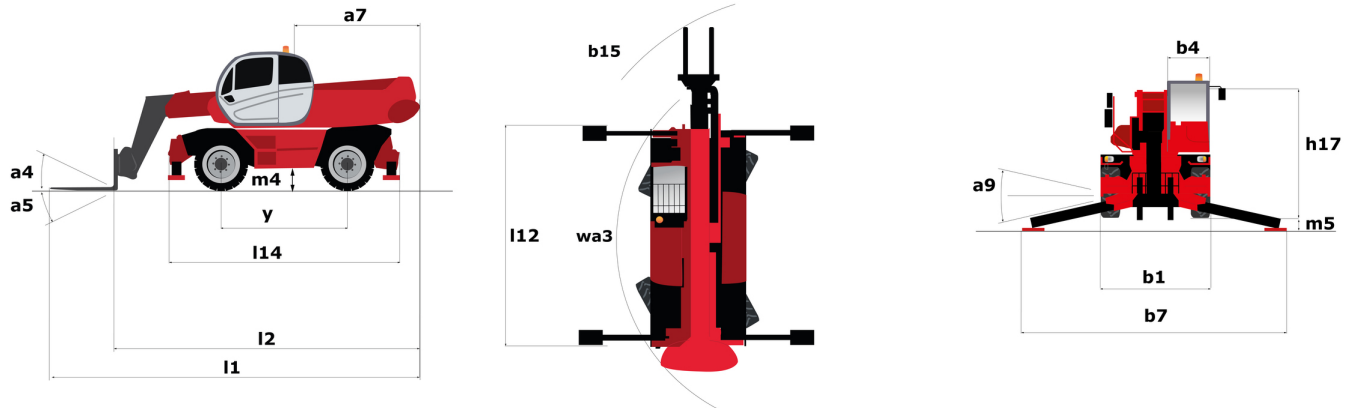
Scheda tecnica :

MRT 2150 PRIVILEGE PLUS



Capacities		Metrico
Max. capacity		4999 kg
Max. lifting height		20.90 m
Max. outreach		17.90 m
Weight and dimensions		
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
Frame levelling longitudinal +/-		8 °
Tilt-up angle	a4	12 °
Tilt-down angle	a5	105 °
Turret rotation (Max.)		360 °
Overall weight		17930 kg
Forks length / width / section	l / e / s	1200 mm x 150 mm x 50 mm
Wheels		
Standard tyres		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 (kW)		156 Hp / 115 kW
Max. torque / Engine rotation (min) / Engine rotation		675 Nm @ 1200 rpm - 1600 rpm
Number of cylinders - Capacity of cylinders		4 - 5130 cm³
Injection		engine Injection direct
Engine cooling system		Water
Number of batteries / Battery / Batteries capacity		2 x 12 V / 120 Ah
Transmission		
Transmission type		Hydrostatic
Number of gears (forward / reverse)		2 / 2
Max. travel speed		40 km/h
Drawbar pull (Laden)		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
Tank capacities		
Engine oil		14 l
Hydraulic oil		225 l
Fuel tank		305 l
Diesel Exhaust fluid (AdBlue® type)		57 l
Noise and vibration		
Noise at driving position (LpA)		79.70 dB
Environmental noise (LwA)		108 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 cab (level 2)
Attachment recognition system (E-Reco)		Standard

MRT 2150 Privilege Plus - Disegno quotato



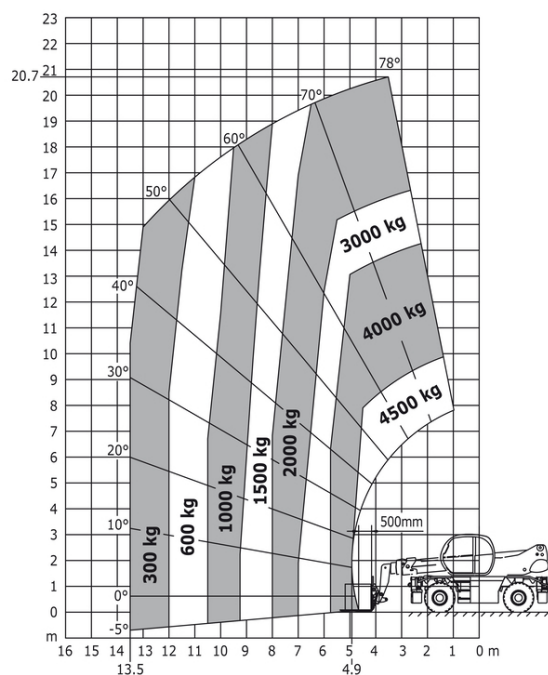
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Overall length (with forks)
Length to face of forks
Length of frame
Wheelbase
Ground clearance
Counterweight offset (turret at 90°)
Tilt-up angle
Tilt-down angle
Overall length at stabilisers
Outer frame turning radius
Outer turning radius (with forks)
Overall width
Overall width with stabilisers extended
Overall cab width
Overall height
Frame levelling corrector
Ground clearance under front tires on stabilizers

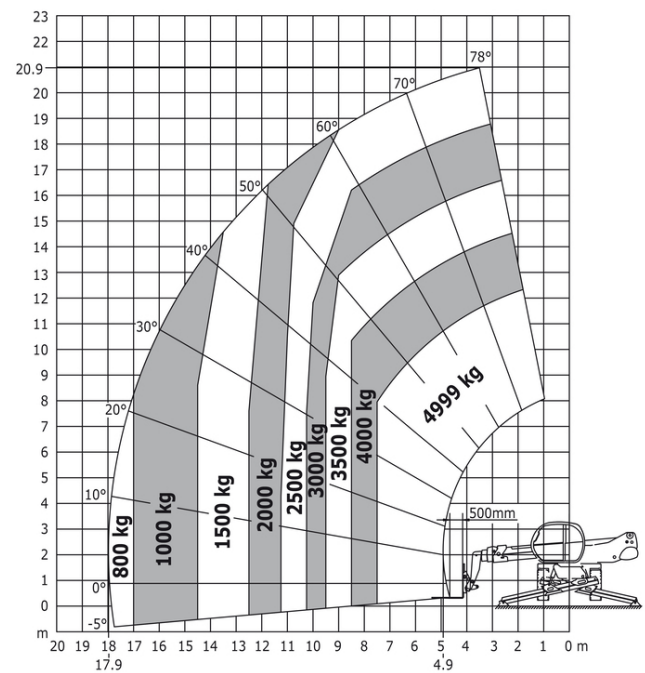
Metrico	
l1	8.07 m
l2	6.87 m
l14	5.35 m
y	3.05 m
m4	0.35 m
a7	2.68 m
a4	12 °
a5	105 °
l12	5.19 m
Wa3	5.23 m
b15	6.55 m
b1	2.49 m
b7	5.55 m
b4	0.99 m
h17	3.05 m
a9	+/- 8 °
m5	0.23 m

MRT 2150 Privilege Plus - Diagramma di carico

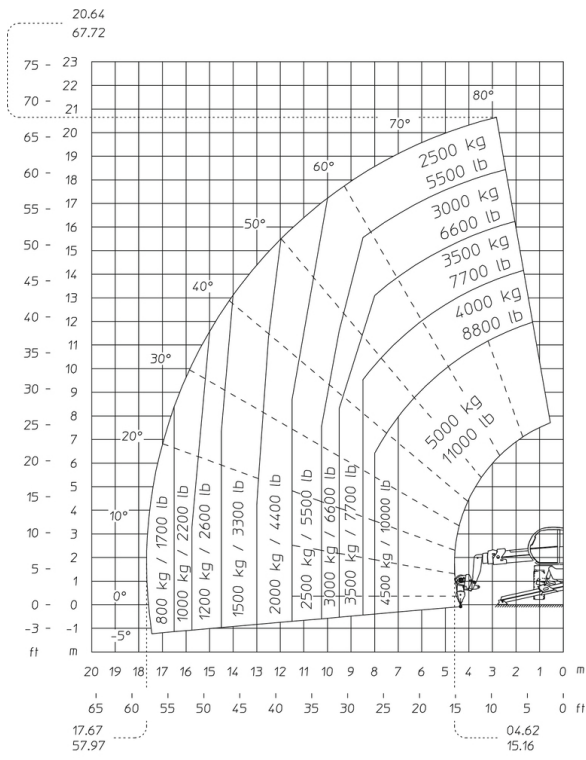
Machine on tyres with forks Metric



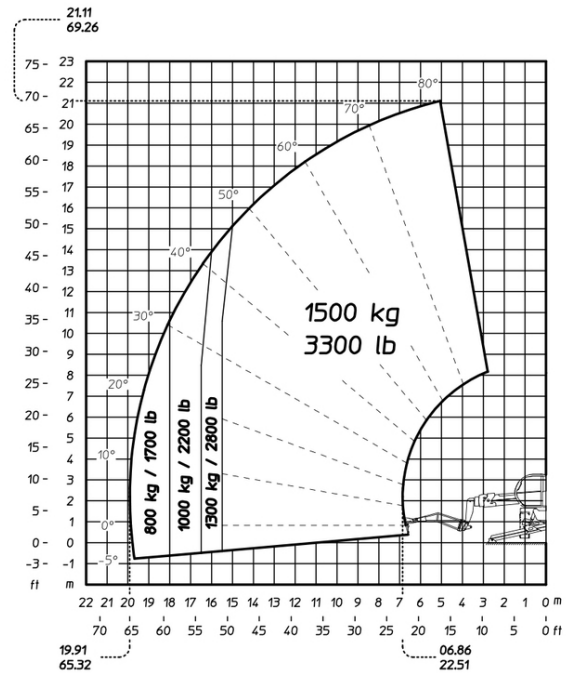
Machine on lowered stabilisers with forks Metric



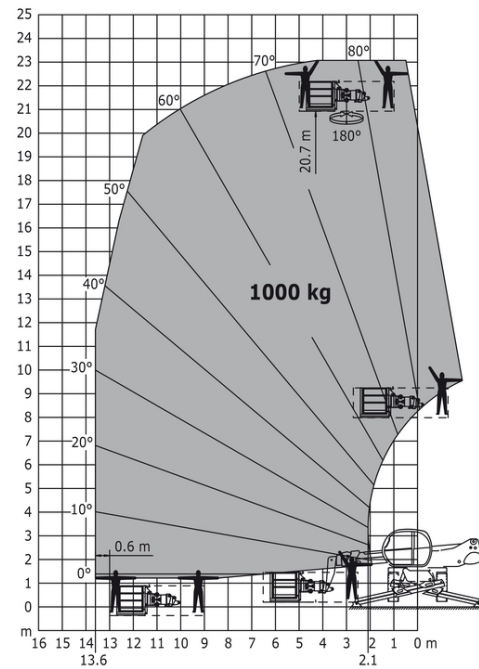
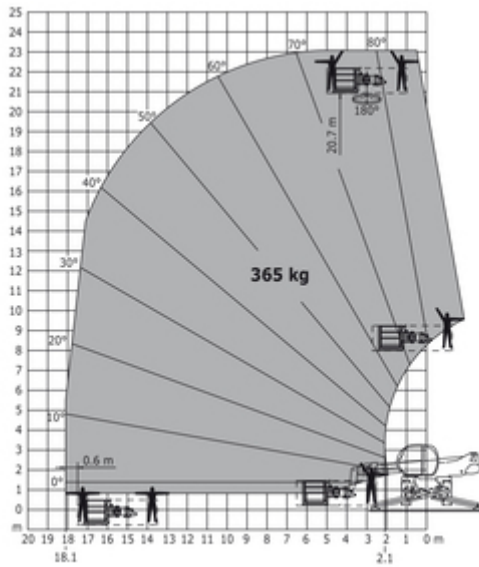
Machine on lowered stabilisers with winch 5000 kg Metric



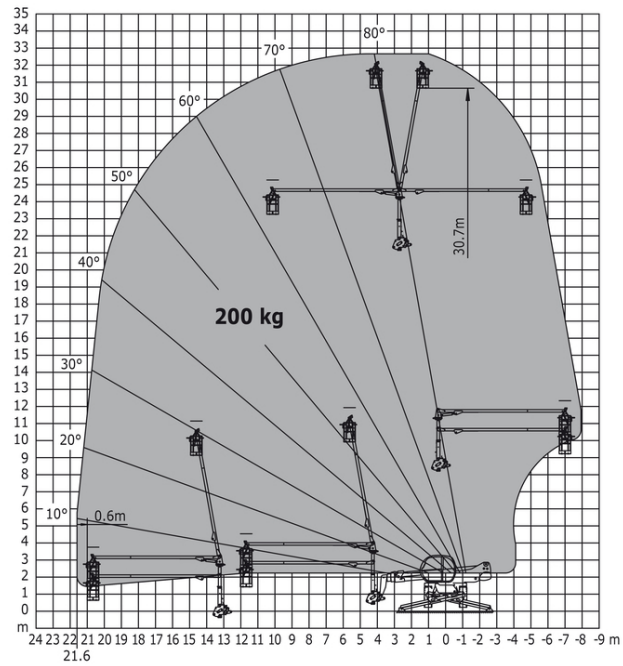
Machine on lowered stabilisers with 1500 kg jib Metric



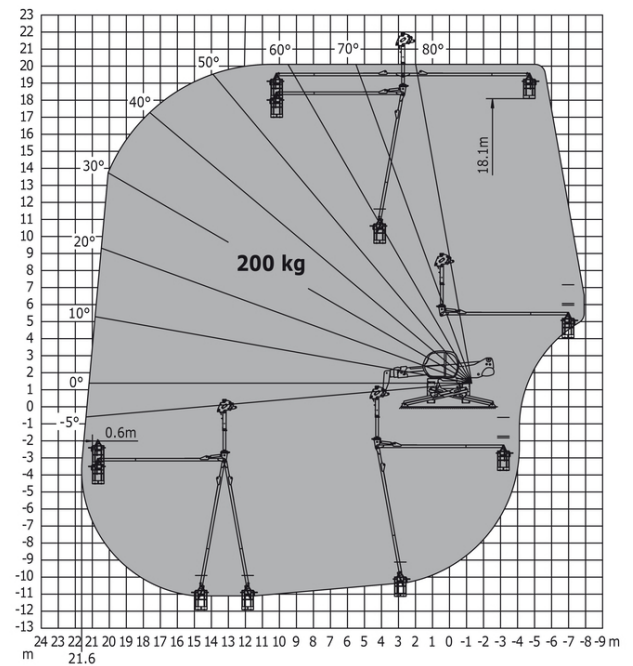
Machine on lowered stabilisers with 365 kg platform Metric



Machine on lowered stabilisers with 3D positive Metric



Machine on lowered stabilisers with 3D negative Metric



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