

Technical sheet :

MRT 4080

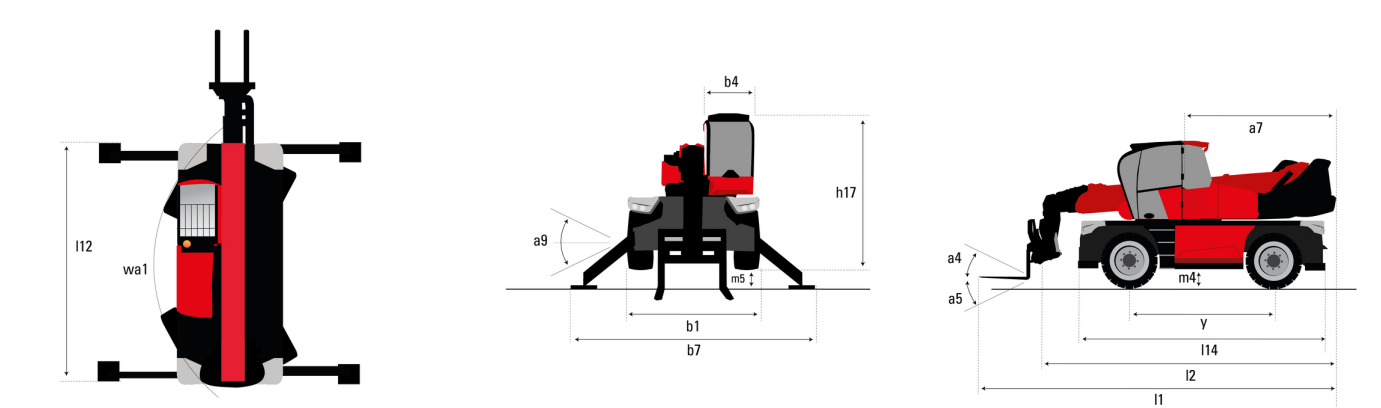
VISION +



 **MANITOU**
HANDLING YOUR WORLD

Capacities		Metric
Max. capacity	Q	8000 kg
Max. lifting height		40 m
Max. outreach		27 m
Weight and dimensions		
Overall length (with forks)	l1	10.78 m
Length to face of forks	l2	9.58 m
Overall width	b1	2.51 m
Overall height	h17	3.27 m
Overall cab width	b4	0.96 m
External turning radius (over tyres)	Wa1	5.06 m
Ground clearance	m4	0.44 m
Wheelbase	y	3.75 m
Tilt-up angle	a4	13 °
Tilt-down angle	a5	108 °
Turret rotation		360 °
Overall weight		27800 kg
Forks length / width / section	l / e / s	1200 mm x 100 mm x 70 mm
Wheels		
Standard tires		ASCENSO - WL8550 - 17.5-25
Drive wheels (front / rear)		2 / 2
Steering mode		2 wheel steer, 4 wheel steer, Crab mode
Stabilisers		
Stabilizers Type		Telescopic Triplex
Controls for stabs		Stabs Commands Individual or Simultaneous
Engine		
Engine brand		Yanmar
Engine norm		Stage V, Tier 4
Engine model		4TN107FTT-6SMU2
Engine power (Hp / kW)		211 Hp / 155 kW
Max. torque / Engine rotation (min)		805 Nm @ 1500 rpm
Number of cylinders - Capacity of cylinders		4 - 4567 cm³
Engine cooling system		Water cooled
Electric circuit		
Number of batteries / Battery voltage		2 x 12 V
12V Battery capacity		180 Ah
Battery starting current		(EN) 1200 A
Transmission		
Transmission type		Hydrostatic with CVT
Max. travel speed		37 km/h
Parking brake		Automatic negative parking brake
Service brake		Oil-immersed multi-discs braking on front & rear axles
Hydraulics		
Hydraulic pump type		Variable displacement pump
Hydraulic flow		172 l/min
Hydraulic Pressure		350 bar
Tank capacities		
Engine oil		13 l
Fuel tank capacity		320 l
Diesel Exhaust fluid (AdBlue® type) tank capacity		24 l
Miscellaneous		
Steering wheels (front / rear)		2 / 2
Controls		2 Joysticks
Cab certification		Cabin ROPS - FOPS level 2
Attachment recognition system (E-Reco)		Standard

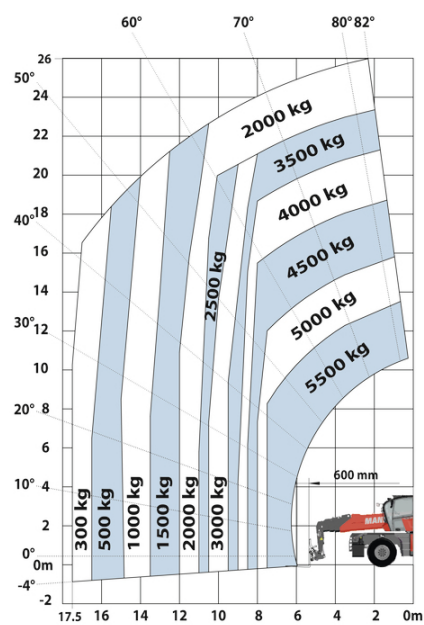
MRT 4080 - Dimensional drawing



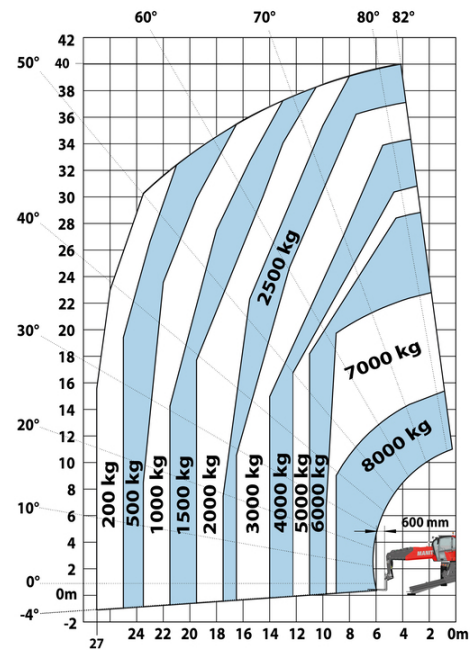
Other data			Metric
Length of frame		l14	6.80 m
Counterweight offset (turret at 90°)		a7	3.90 m
Overall length at stabilisers		l12	6.50 m
Overall width with stabilisers extended		b7	7.42 m
Frame leveling corrector		a9	+/- 8 °
Ground clearance under front tires on stabilizers		m5	0.40 m

MRT 4080 - Load chart

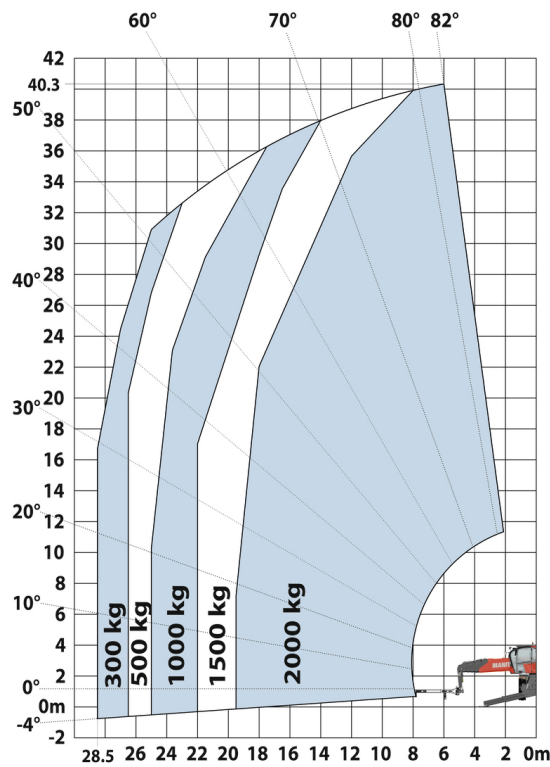
Machine on tires with forks Metric



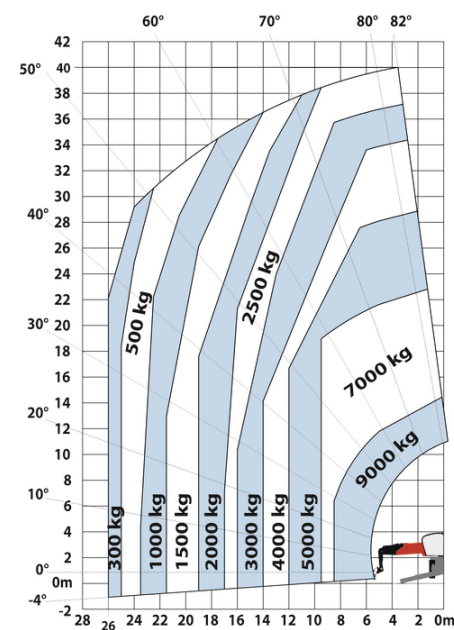
Machine on lowered stabilisers with forks Metric



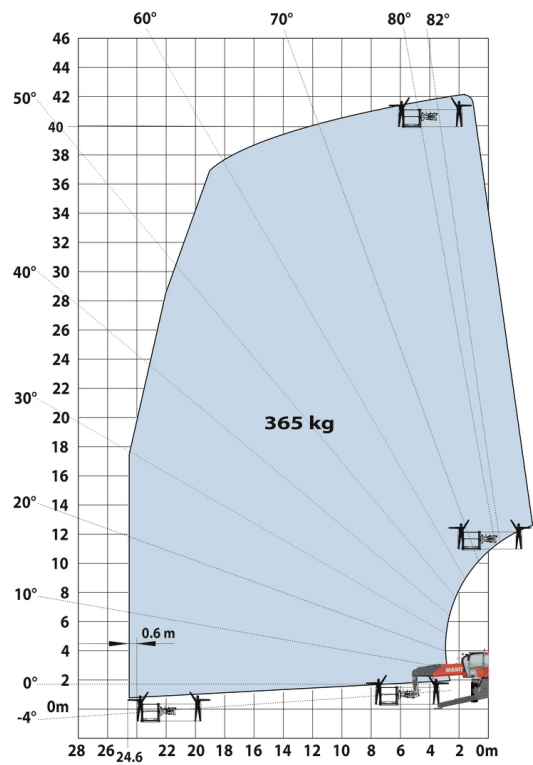
Machine on lowered stabilisers with 2000 kg jib (Metric)



Machine on lowered stabilisers with hook 9000 kg (Metric)



Machine on lowered stabilisers with 365 kg platform Metric



Equipment

Standard
Attachment recognition system - E-reco
Automatic levelling of the outriggers
Automatic parking brake
Easy step
Hydraulic transmission with Continuously Variable Transmission (CVT)
LED light at the cab entrance
LEONARDO touch screen - 12 in. (305 mm)
Manitou Safety System (MSS) - Load Indicating and Limiting Device
Mechanical suspension cloth seat - Electrically operated tilting - GRAMMER
Rear camera with cab display screen
Work platform pre-fitting and remote control

Optional
Air suspension cloth seat - Electrically operated tilting - GRAMMER
Bi-energy system
Boom suspension "Active CRC"
Easy link
Heater and automatic air conditioning
LED corner lights around the machine
LED front right and left working lights (x2)
LED rear right and left working lights (x2)
LED work lights - On boom head (Telescopic part)
Stop and Start
Wind sensor (Anemometer)



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