

Fiche technique :

MRT-X 2145

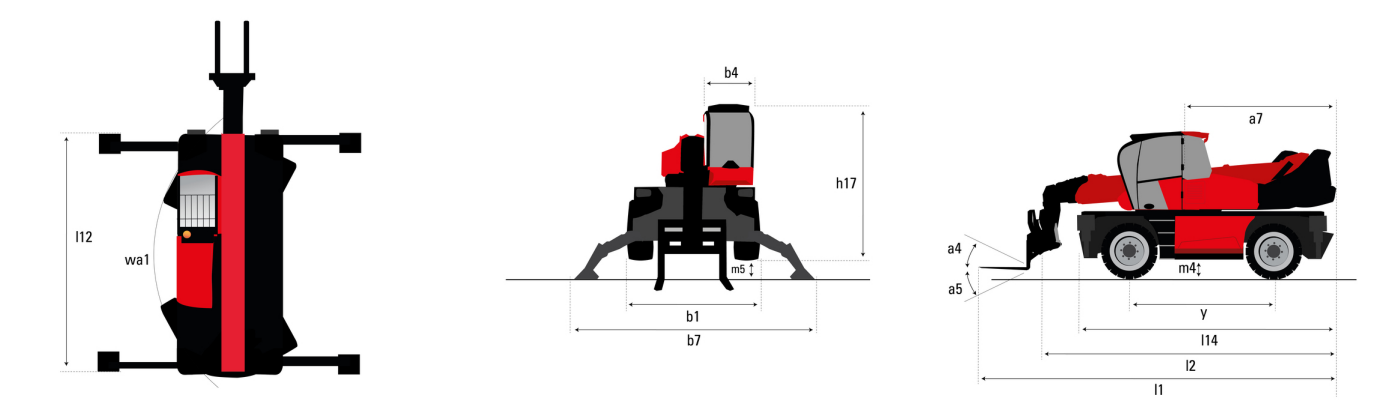
VISION



 **MANITOU**
HANDLING YOUR WORLD

Capacities		Métrique
Max. capacity		4500 kg
Max. lifting height		20.60 m
Max. outreach		18 m
Weight and dimensions		
Overall length (with forks)	l1	7.93 m
Length to face of forks	l2	6.73 m
Overall width	b1	2.48 m
Overall height	h17	3.04 m
Overall cab width	b4	0.96 m
Ground clearance	m4	0.37 m
Wheelbase	y	2.73 m
Tilt-up angle	a4	10 °
Tilt-down angle	a5	107 °
Turret rotation		400 °
Overall weight		14900 kg
Forks length / width / section	l / e / s	1200 mm x 125 mm x 50 mm
Wheels		
Standard tires		18-19,5
Drive wheels (front / rear)		2 / 2
Steering mode		2 wheel steer, 4 wheel steer, Crab mode
Stabilisers		
Stabs Type		Spider Type
Controls with stabs		Stabs Commands Individual or Simultaneous
Engine		
Engine brand		Deutz
Engine norm		Stage IIIA
Engine model		TCD 3.6 L4
I.C. Engine power rating / Power		116 Hp / 85 kW
Max. torque / Engine rotation (min)		460 Nm @ 1600 rpm
Number of cylinders - Capacity of cylinders		4 - 3620 cm³
Engine cooling system		Water cooled
Electric circuit		
Number of batteries / Battery voltage		2 x 12 V
12V Battery capacity		120 Ah
Battery starting current		(EN)850 A
Transmission		
Transmission type		Hydrostatic
Number of gears (forward / reverse)		2 / 2
Max. travel speed		40 km/h
Drawbar pull		97000 daN
Parking brake		Automatic negative parking brake
Service brake		Oil-immersed multi-discs braking on front & rear axles
Performances		
Gradeability (laden / unladen)		48.70 % / 49.80 %
Hydraulics		
Hydraulic pump type		Variable displacement pump
Hydraulic flow		116 l/min
Hydraulic Pressure		275 bar
Tank capacities		
Engine oil		11 l
Hydraulic oil		150 l
Fuel tank		133 l
Noise and vibration		
Noise at driving position (LpA)		68 dB
Noise to environment (LwA)		106 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 level 2 cab
Attachment recognition system (E-Reco)		Standard

MRT-X 2145 - Schémas d'encombrement

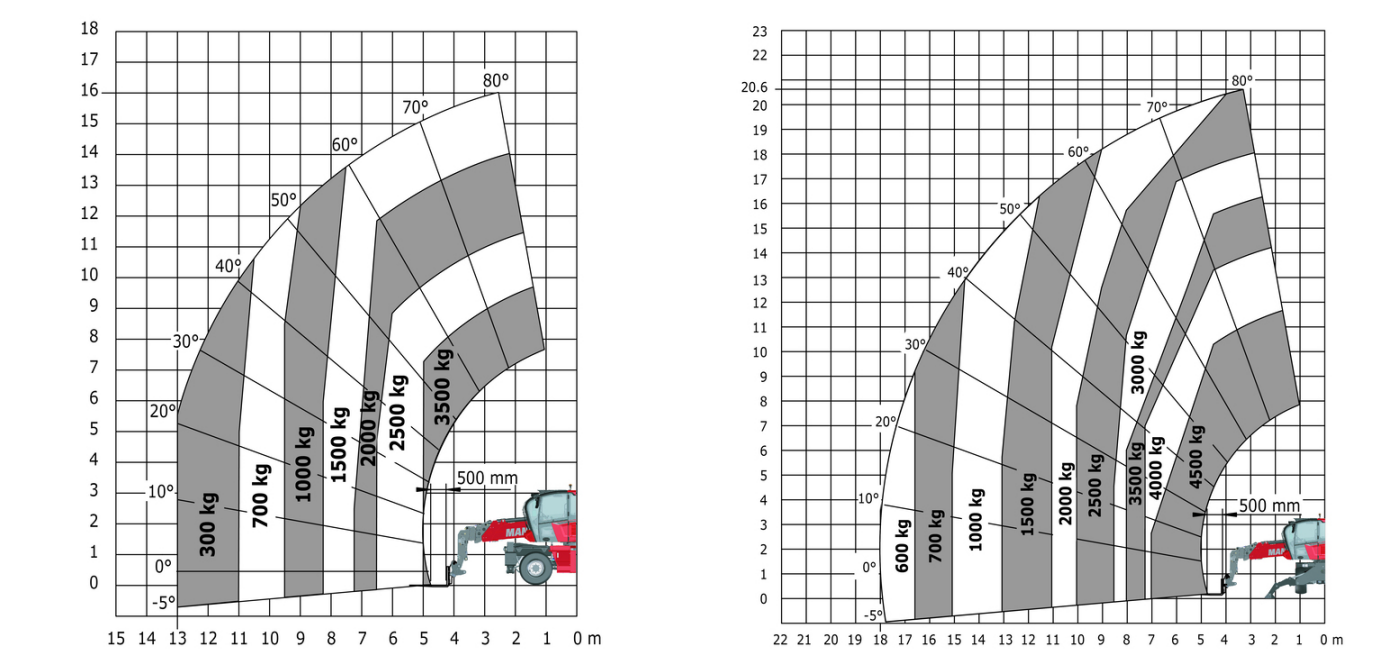


Autres données			Métrique
Length of frame		l_{14}	4.97 m
Wheelbase		y	2.73 m
Ground clearance		m_4	0.37 m
Counterweight offset (turret at 90°)		a_7	2.50 m
Tilt-up angle		a_4	10 °
Tilt-down angle		a_5	107 °
Overall length at stabilisers		l_{12}	4.71 m
External turning radius (over tyres)		Wa_1	4.16 m
Overall width with stabilisers extended		b_7	4.98 m
Overall height		h_{17}	3.04 m
Ground clearance under front tires on stabilizers		m_5	0.18 m

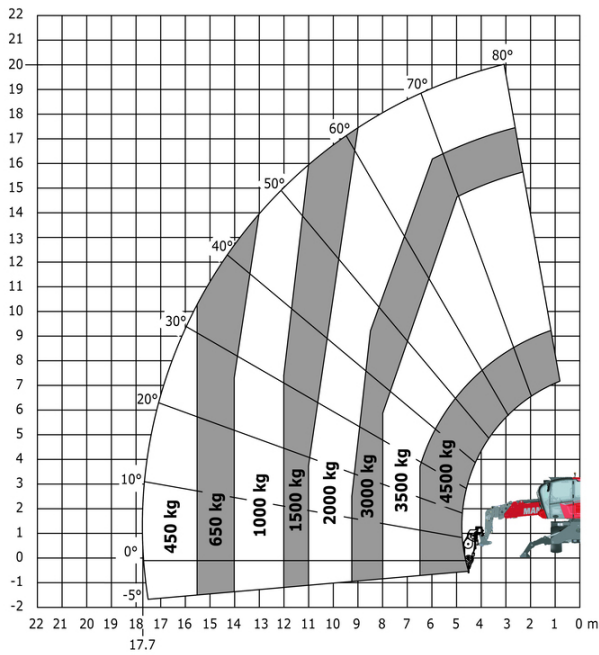
MRT-X 2145 - Abaques

Machine on tyres with forks Metric

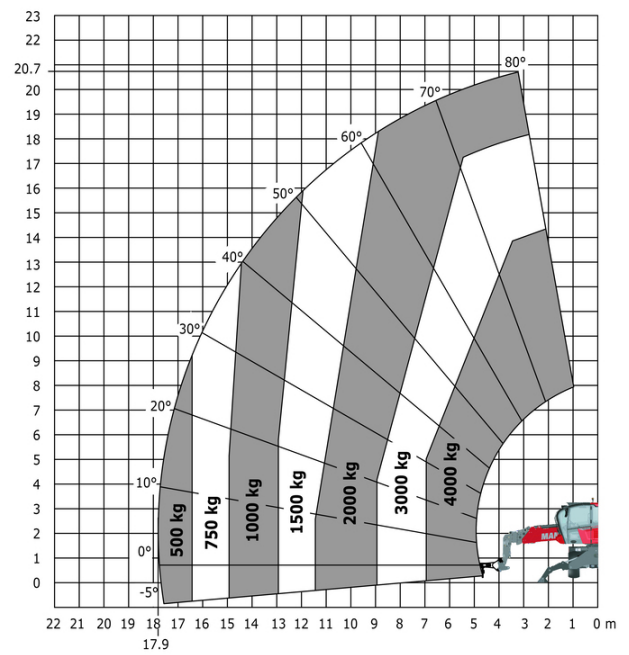
Machine on lowered stabilisers with forks Metric



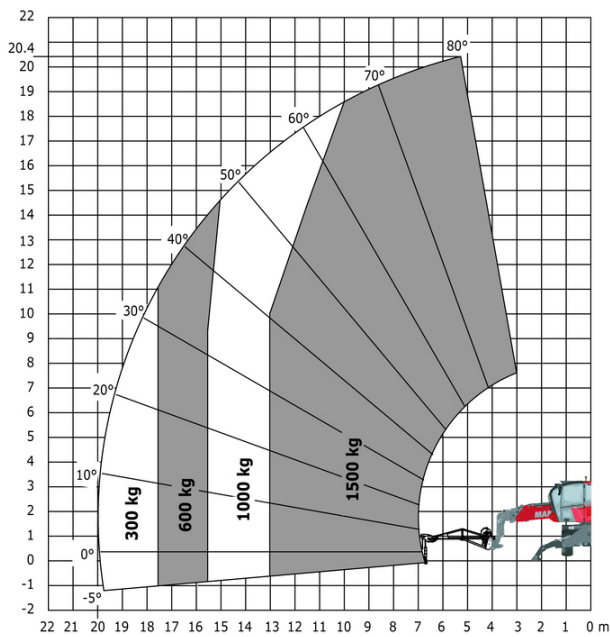
Machine on lowered stabilisers with winch 5000 kg Metric



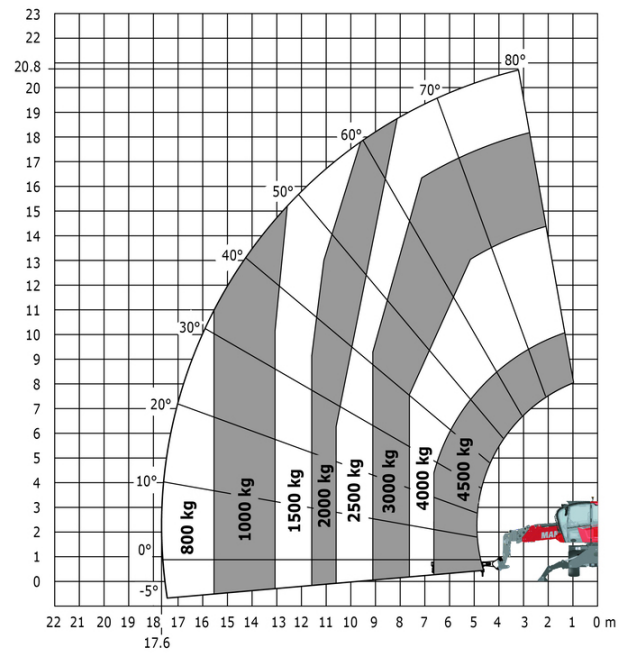
Machine on lowered stabilisers with 4000 kg jib (Metric)



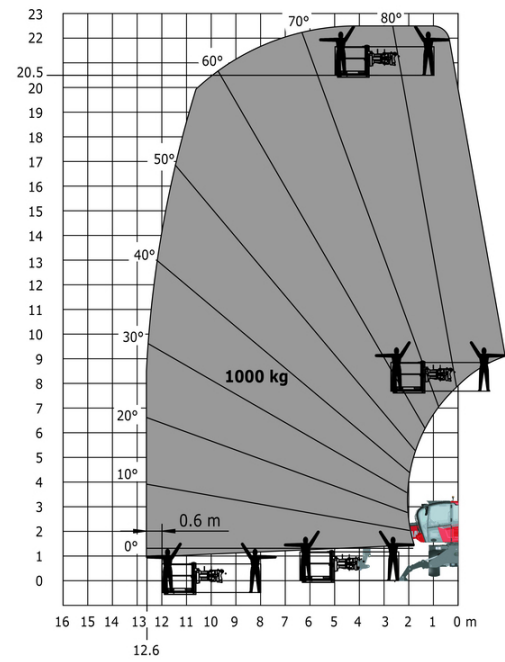
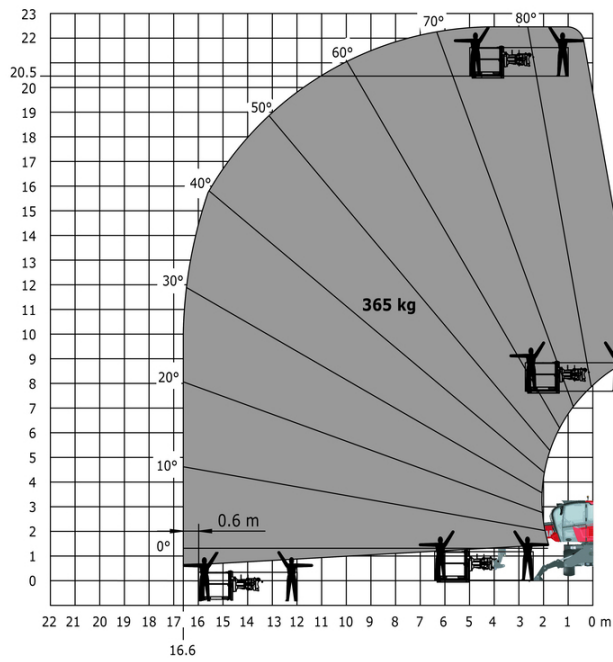
Machine on lowered stabilisers with 1500 kg jib with winch (Metric)



Machine on lowered stabilisers with hook 5000 kg (Metric)



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





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