Technical sheet :

MRT-X 2145

VISION

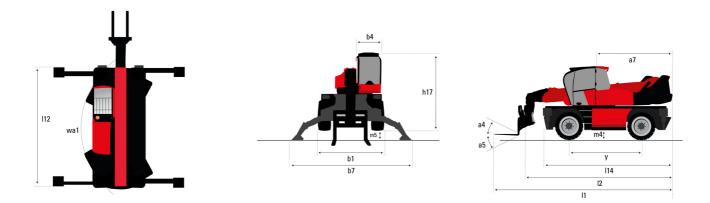




IRT-X 2145	Created of	on Sei	otember	8,	2025	at	9:1	6	PM	UT	٢C
------------	------------	--------	---------	----	------	----	-----	---	----	----	----

	MRT-X 2145 Created on September 8, 2025 at 9:16 I
Capacities	Metric
Max. capacity	4500 kg
Max. lifting height	20.60 m
Maximum 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
	2/2
Drive wheels (front / rear)	
Steering mode	2 wheel steer, 4 wheel steer, Crab mo
Stabilisers	
Stabilizers Type	Spider Type
Controls with stabs	Stabs Commands Individual or Simultan
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
	120 Ah
12V Battery capacity	
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
	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	111
Fuel tank	133
	1331
Noise and vibration	
Noise at driving position (LpA)	68 dB
Noise to environment (LwA)	106 dB
Vibration on hands/arms	< 2.50 m/s²
Miscellaneous	
Steering wheels (front / rear)	2/2
Controls	2 Joysticks
Cab certification	Cabin ROPS - FOPS level 2
Attachment recognition system (E-Reco)	Standard
	otandaid

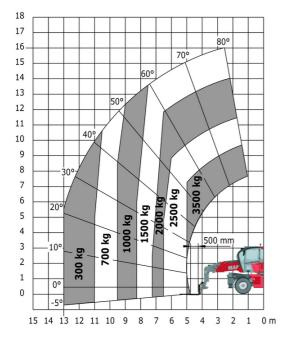
MRT-X 2145 - Dimensional drawing



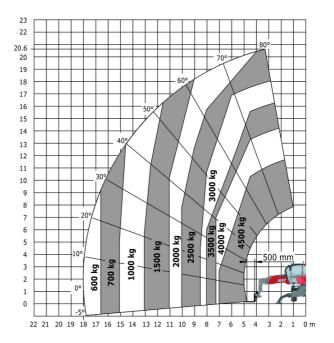
Other data		Metric
Length of frame	114	4.97 m
Wheelbase	у	2.73 m
Ground clearance	m4	0.37 m
Counterweight offset (turret at 90°)	а7	2.50 m
Tilt-up angle	a4	10 °
Tilt-down angle	a5	107 °
Overall length at stabilisers	112	4.71 m
External turning radius (over tyres)	Wa1	4.16 m
Overall width with stabilisers extended	b7	4.98 m
Overall height	h17	3.04 m
Ground clearance under front tires on stabilizers	m5	0.18 m

MRT-X 2145 - Load chart

Machine on tires with forks Metric

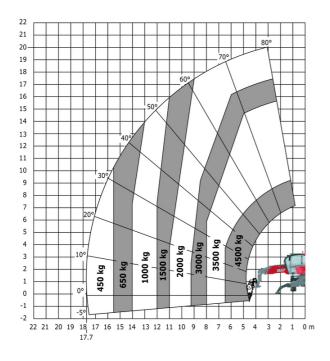


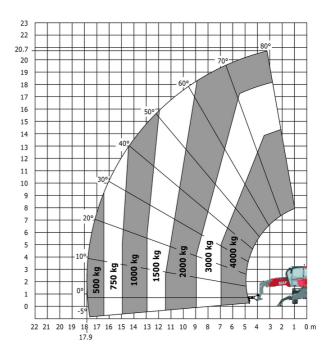
Machine on lowered stabilisers with forks Metric



Machine on lowered stabilisers with winch 5000 kg Metric

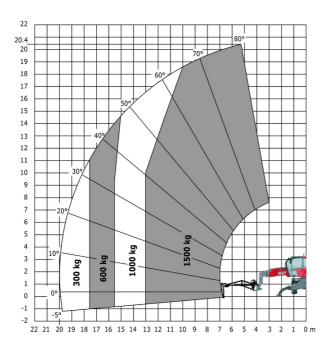
Machine on lowered stabilisers with 4000 kg jib (Metric)

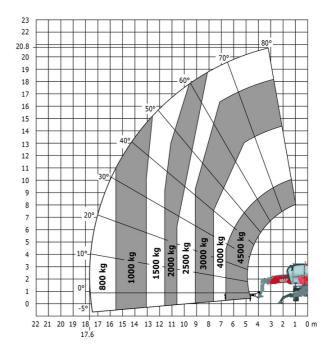




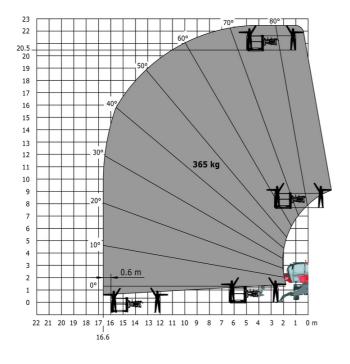
Machine on lowered stabilisers with 1500 kg jib with winch (Metric)

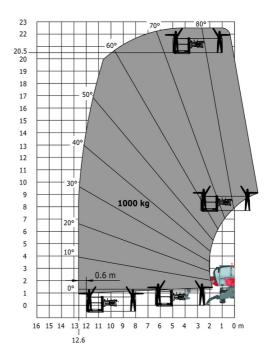
Machine on lowered stabilisers with 1500 kg jib with winch Machine on lowered stabilisers with hook 5000 kg (Metric)





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







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



This publication provides a description of the configuration versions and options for Manitou products, which may differ for equipment. The equipment presented in this brochure may be part of a series, as an option, or it may not be available, depending on the versions. Manitou reserves the right, at any time and without notice, to amend the specifications described and represented. The specifications provided do not bind the manufacturer. For more details, please contact your Manitou agent. This is not a contractually binding document. The presentation of the products is not contractually binding. List of specifications non-exhaustive. The logos as well as the visual identity of the company are owned by Manitou and cannot be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are only provided for consultation and information purposes.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,668,399 euros - 857 802 508 RCS Nantes