

Technical sheet :

MRT-X 2145

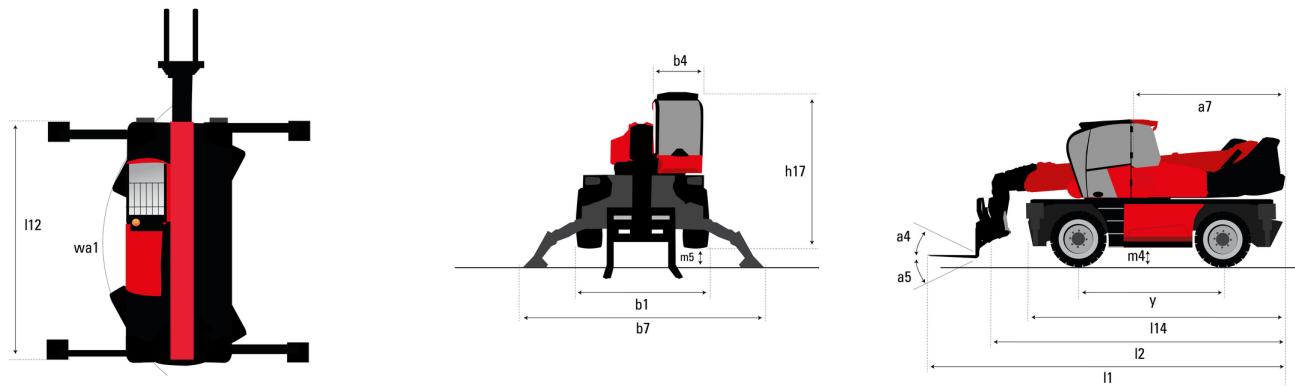
VISION



 **MANITOU**
HANDLING YOUR WORLD

Capacities		Metric	
Max. capacity		4500 kg	
Max. lifting height		20.60 m	
Maximum outreach		18 m	
Weight and dimensions			
Overall length (with forks)	I1	7.93 m	
Length to face of forks	I2	6.73 m	
Overall width	b1	2.48 m	
Overall height	h17	3.04 m	
Overall cab width	b4	0.96 m	
External turning radius (over tyres)	Wa1	4.16 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	I / 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			
Stabilizers Type		Spider Type	
Controls for stabs		Stabs Commands Individual or Simultaneous	
Engine			
Engine brand		Deutz	
Engine norm		Stage IIIA	
Engine model		TCD 3.6 L4	
Engine power (Hp / kW)		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		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	
Fuel		133 l	
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	

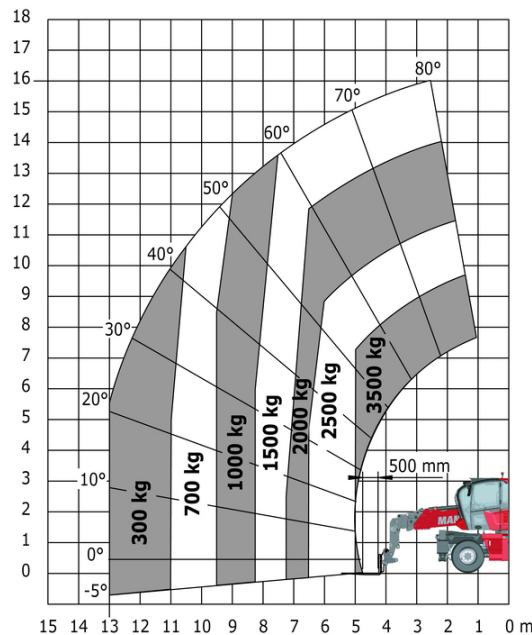
MRT-X 2145 - Dimensional drawing



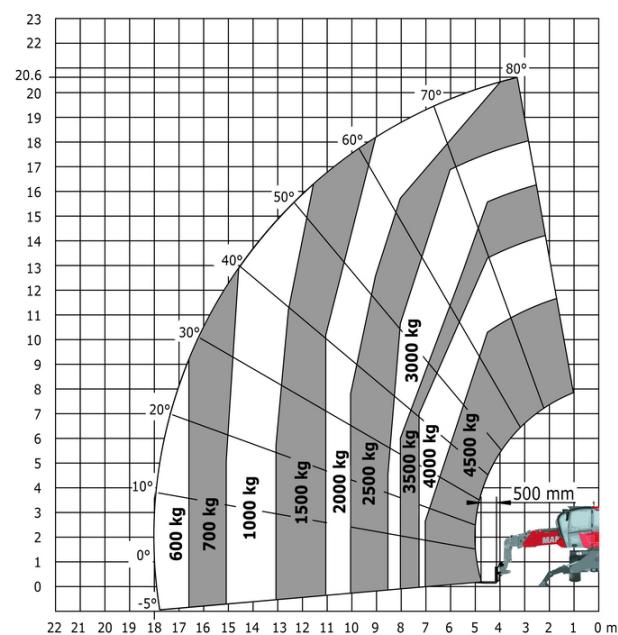
Other data	Metric
Length of frame	4.97 m
Wheelbase	2.73 m
Ground clearance	0.37 m
Counterweight offset (turret at 90°)	2.50 m
Overall length at stabilisers	4.71 m
Overall width with stabilisers extended	4.98 m
Ground clearance under front tires on stabilizers	0.18 m

MRT-X 2145 - Load chart

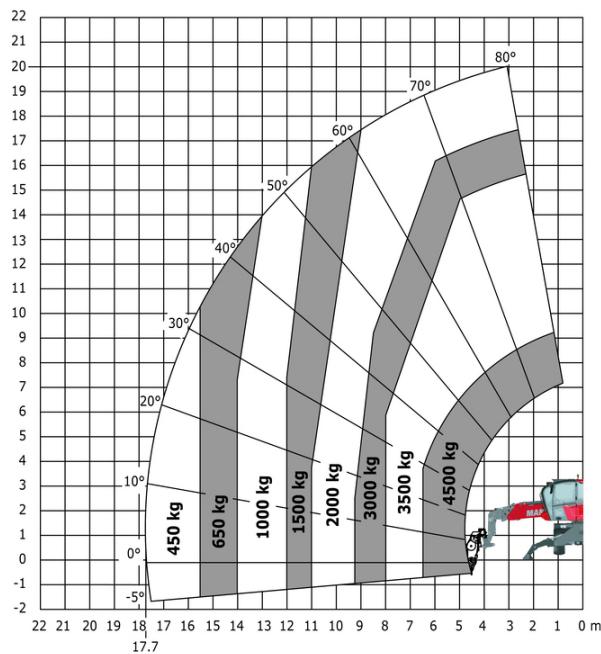
Machine on tires with forks Metric



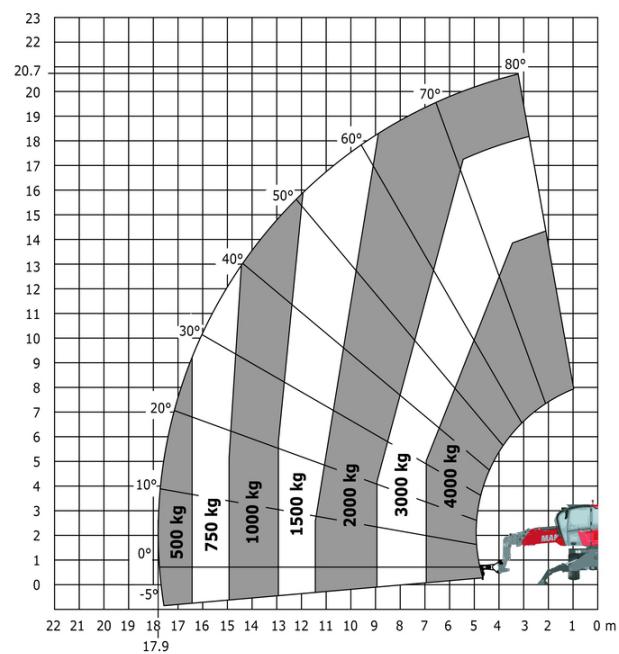
Machine on lowered stabilisers with forks Metric



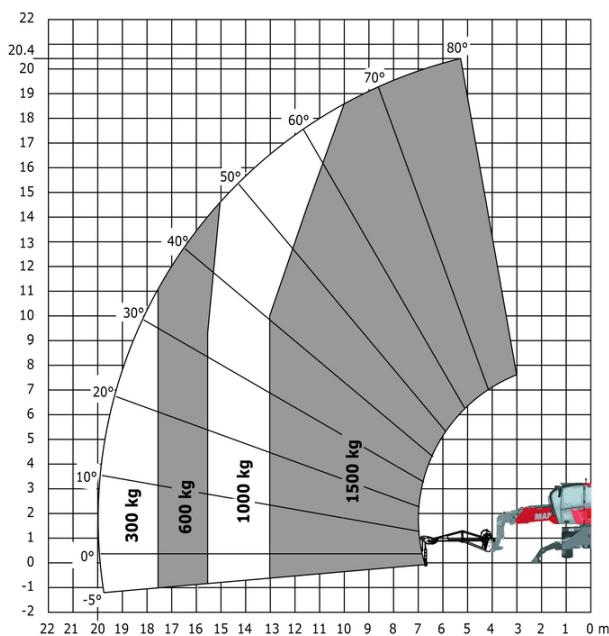
Machine on lowered stabilisers with winch 5000 kg Metric



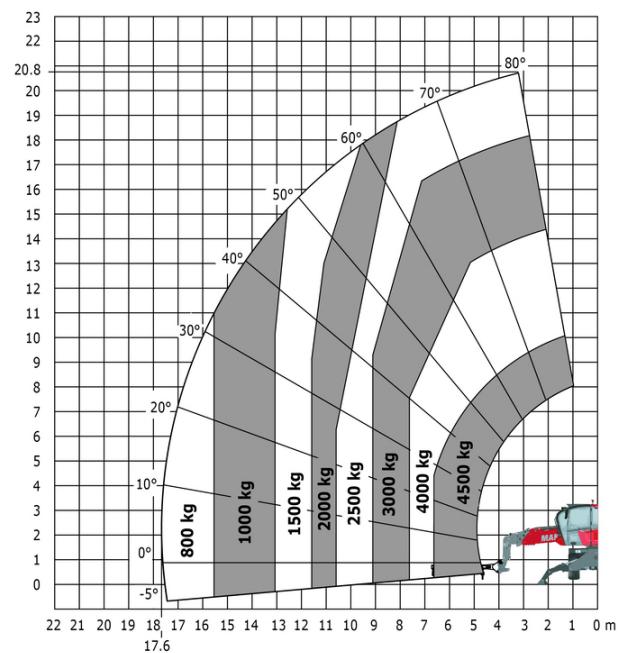
Machine on lowered stabilisers with 4000 kg jib (Metric)



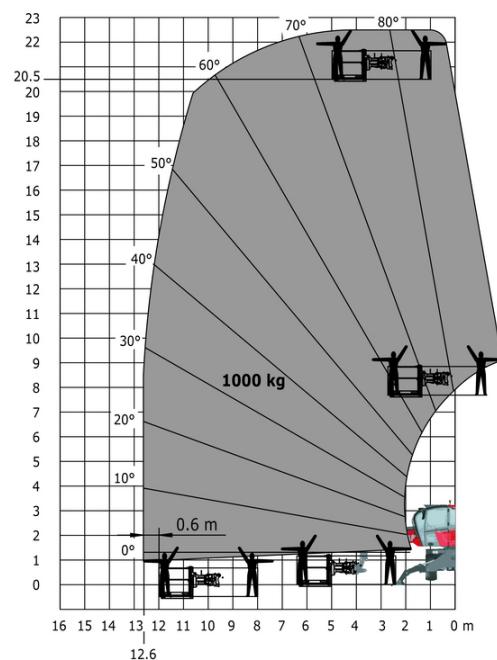
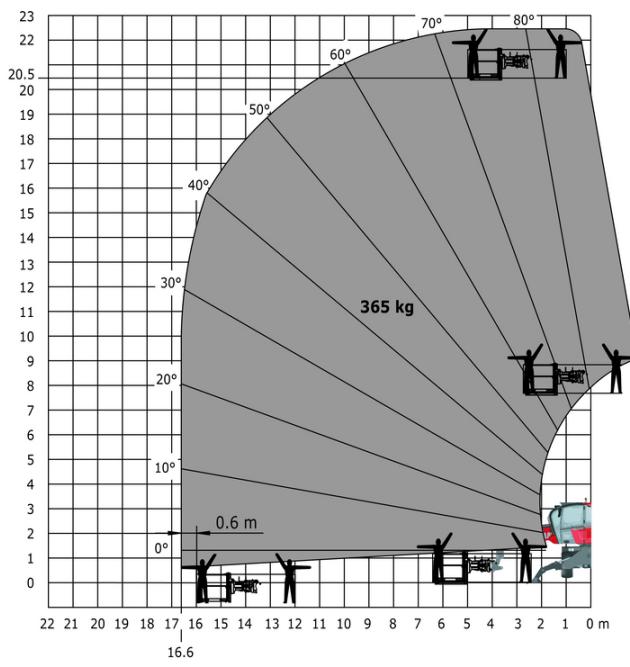
Machine on lowered stabilisers with 1500 kg jib with winch (Metric)

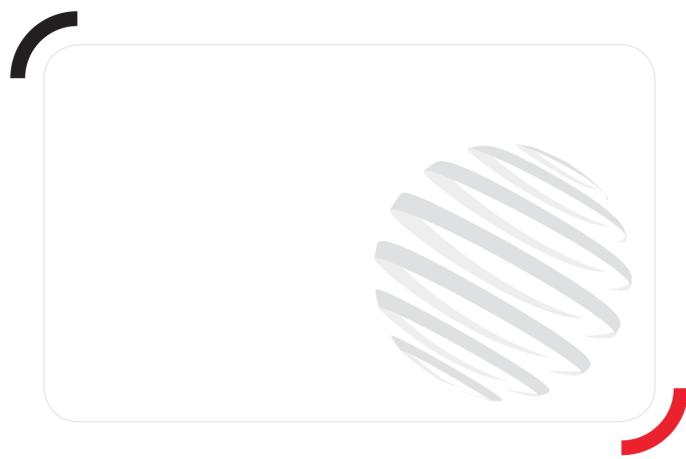


Machine on lowered stabilisers with hook 5000 kg (Metric)



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