Technical sheet:

MRT-X 1645

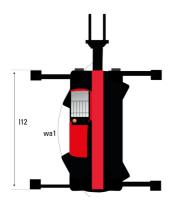
VISION

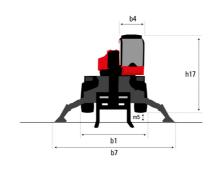


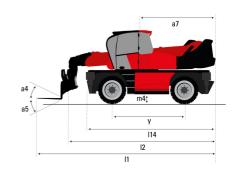


	MRT-x 1645 Created on 29 April 2024 at 2:47:53 PM L
Capacities	Metric
Max. capacity	4500 kg
Max. lifting height	15.80 m
Max. outreach	13.50 m
Weight and dimensions	
Overall length (with forks)	l1 7.58 m
Length to face of forks	l2 6.38 m
Overall width	b1 2.42 m
Overall height	h17 3.04 m
Overall cab width	b4 0.96 m
Ground clearance	m4 0.37 m
Wheelbase	y 2.43 m
Tilt-up angle	a4 12°
Tilt-down angle	a5 105°
Turret rotation	400 °
Overall weight	13305 kg
Forks length / width / section	I / e / s 1200 mm x 125 mm x 50 mm
Wheels	
Standard tires	405/70-20
Drive wheels (front / rear)	2/2
Steering mode	2 wheel steer, 4 wheel steer, Crab mode
Stabilisers	2 miles deed, 1 miles deed, data miles
Stabs Type	Wing Type
Controls with stabs	Stabs Commands Individual or Simultaneous
Engine Engine	Class Communication in annual of Children Course
Engine brand	Deutz
Engine orang	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 cm ³
Engine cooling system	Water cooled
Electric circuit	Water cooled
	2 x 12 V
Number of batteries / Battery voltage	
12V Battery capacity	120 Ah
Battery starting current	(EN)850 A
Transmission	Hele Artis
Transmission type	Hydrostatic
Number of gears (forward / reverse)	2/2
Max. travel speed	40 km/h
Drawbar pull	9700 daN
Parking brake	Automatic negative parking brake
Service brake	Oil-immersed multi-discs braking on front & rea axles
Performances	
Gradeability (laden / unladen)	46.60 % / 50.90 %
Hydraulics	10.00 107 00.120 10
Hydraulic pump type	Variable displacement pump
Hydraulic flow	116 I/min
Hydraulic Pressure	275 bar
Tank capacities	273 501
Engine oil	111
Hydraulic oil	144 l
Fuel tank	130 I
Noise and vibration	1501
Noise and vioration Noise at driving position (LpA)	68 dB
Noise to environment (LwA)	106 dB
Vibration to whole hand/arm	< 2.50 m/s ²
Miscellaneous	0.40
Steering wheels (front / rear)	2/2
Controls	2 Joysticks
Safety cab homologation	ROPS - FOPS level 2 cab

MRT-X 1645 - Dimensional drawing





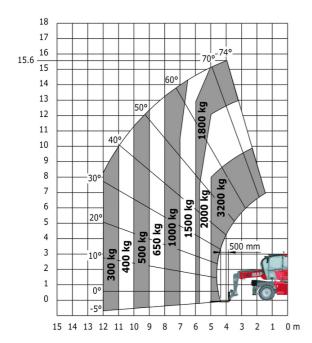


Other data	
Length of frame	
Wheelbase	
Ground clearance	
Counterweight offset (turret at 90°)	
Tilt-up angle	
Tilt-down angle	
Overall length at stabilisers	
External tuming radius (over tyres)	
Overall width with stabilisers extended	
Overall height	
Ground clearance under front tires on stabilizers	

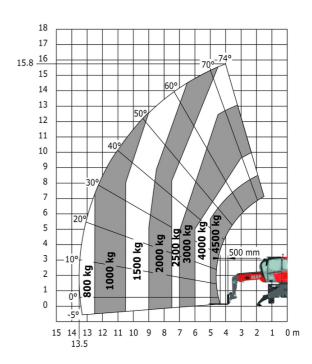
	Metric
114	4.67 m
у	2.43 m
m4	0.37 m
a7	2.50 m
a4	12 °
a5	105 °
l12	4.41 m
Wa1	3.92 m
b7	4.01 m
h17	3.04 m
m5	0.18 m

MRT-X 1645 - Load chart

Machine on tyres with forks Metric

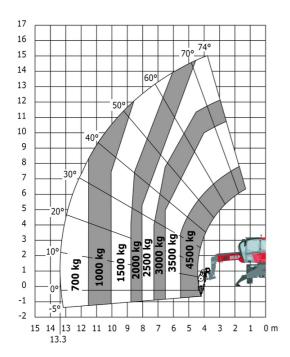


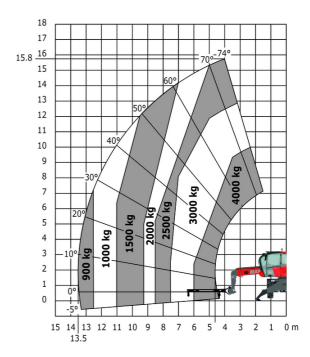
Machine on lowered stabilisers with forks Metric



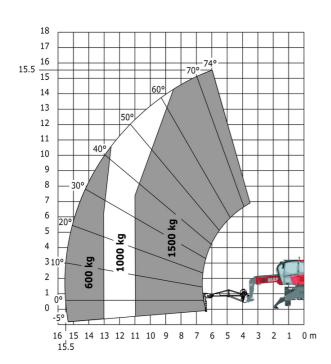
Machine on lowered stabilisers with winch 5000 kg Metric

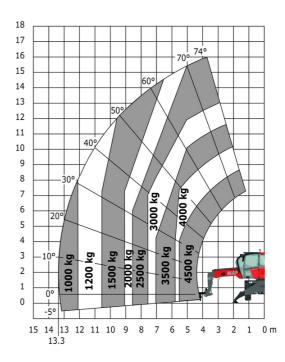
Machine on lowered stabilisers with 4000 kg jib (Metric)



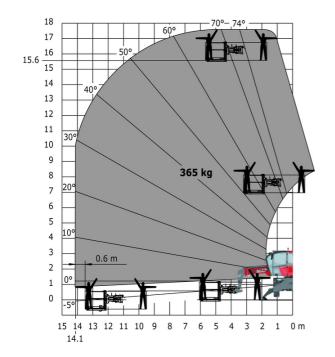


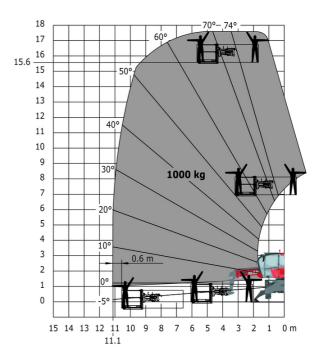
Machine on lowered stabilisers with 1500 kg jib with winch Machine on lowered stabilisers with hook 5000 kg (Metric) (Metric)





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