Technical sheet:

MRT-X 1645

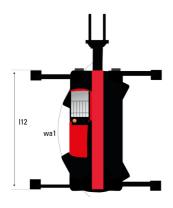
VISION

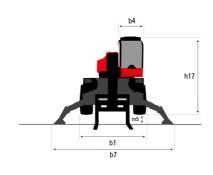


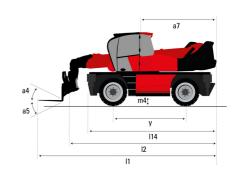


	MRT-X 1645	Created on August 12, 2025 at 3:13 PM L
Capacities		Metric
Max. capacity		4500 kg
Max. lifting height		15.80 m
Aaximum outreach		13.50 m
Veight and dimensions		
verall length (with forks)	l1	7.58 m
ength to face of forks	12	6.38 m
verall width	b1	2.42 m
verall height	h17	3.04 m
verall cab width	b4	0.96 m
round clearance	m4	0.37 m
/heelbase	у	2.43 m
ilt-up angle	a4	12 °
ilt-down angle	a5	105 °
urret rotation	43	400 °
verall weight		13305 kg
orks length / width / section	I/e/s	1200 mm x 125 mm x 50 mm
	17 67 5	1200 11111 x 123 11111 x 30 11111
vheels tandard tires		405/70-20
		405/70-20 2 / 2
vive wheels (front / rear)		
rteering mode		2 wheel steer, 4 wheel steer, Crab mode
tabilisers		Wing Trees
tabilizers Type		Wing Type
Controls with stabs		Stabs Commands Individual or Simultaneous
ngine		
ngine brand		Deutz
ngine norm		Stage IIIA
ngine model		TCD 3.6 L4
C. Engine power rating / Power		116 Hp / 85 kW
Max. torque / Engine rotation (min)		460 Nm @ 1600 rpm
lumber of cylinders - Capacity of cylinders		4 - 3620 cm³
ingine cooling system		Water cooled
lectric circuit		
lumber of batteries / Battery voltage		2 x 12 V
2V Battery capacity		120 Ah
lattery starting current		(EN)850 A
ransmission		
ransmission type		Hydrostatic
lumber of gears (forward / reverse)		2 / 2
lax. travel speed		40 km/h
rawbar pull		9700 daN
arking brake		Automatic negative parking brake
ervice brake		Oil-immersed multi-discs braking on front & rea axles
erformances		dxics
Gradeability (laden / unladen)		46.60 % / 50.90 %
ydraulics		40.00 % / 30.90 %
•		Variable displacement nump
ydraulic pump type ydraulic flow		Variable displacement pump 116 l/min
•		
ydraulic Pressure ank capacities		275 bar
· · · · · · · · · · · · · · · · · · ·		44.1
ngine oil		11
uel tank		130
oise and vibration		(0.10
oise at driving position (LpA)		68 dB
oise to environment (LwA)		106 dB
fibration on hands/arms		< 2.50 m/s²
Aiscellaneous		
teering wheels (front / rear)		2 / 2
Controls Cab certification		2 Joysticks Cabin ROPS - FOPS level 2

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 turning radius (over tyres)	
Overall width with stabilisers extended	
Overall height	
Ground clearance under front tires on stabilizers	

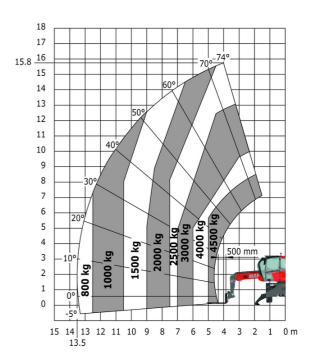
	Metric
l14	4.67 m
у	2.43 m
m4	0.37 m
a7	2.50 m
a4	12 °
a5	105 °
l12	4.41 m
Wa1	3.92 m
b7	4.01 m
h17	3.04 m
m5	0.18 m

MRT-X 1645 - Load chart

Machine on tires with forks Metric

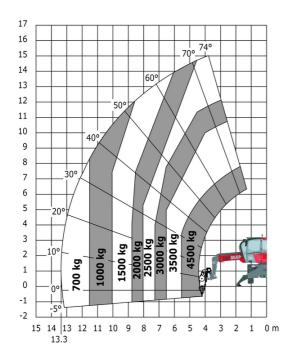
18 17 16 15.6 15 14 13 12 40 10 8 2000 kg 1500 kg 6 1000 kg 5 650 kg 400 kg 300 kg 3 10° 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0 m

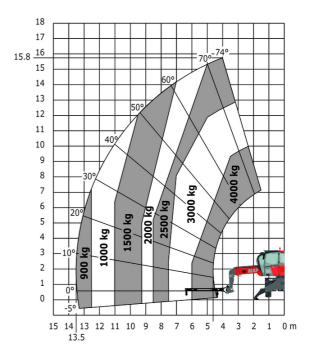
Machine on lowered stabilisers with forks Metric



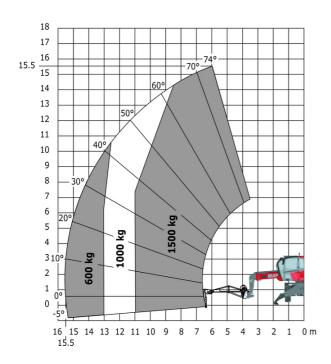
Machine on lowered stabilisers with winch 5000 kg Metric

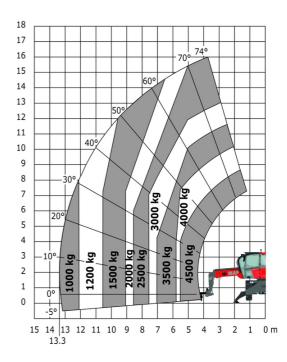
Machine on lowered stabilisers with 4000 kg jib (Metric)



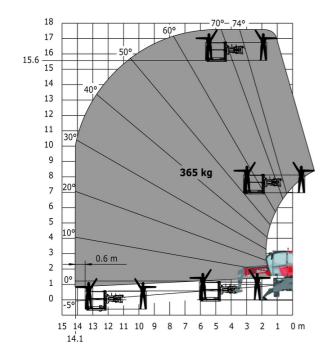


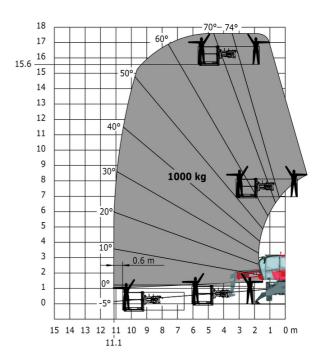
Machine on lowered stabilisers with 1500 kg jib with winch Machine on lowered stabilisers with hook 5000 kg (Metric) (Metric)





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