Technical sheet :

# **MRT-X 1645**

VISION





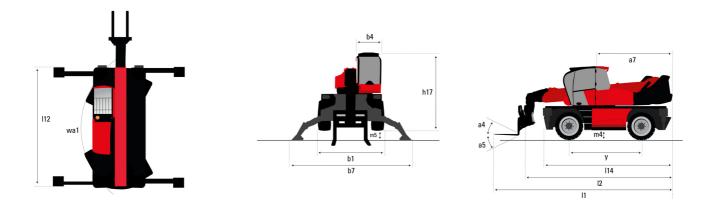
	<b>•</b> • •	10	0005 17.14	DIALITO
1RT-X 1645	Created on	August 12,	2025 at 7:11	PMUIC

	mrt-x 1645 Created on August 12, 2025 at 7:11 PM	UT
Capacities	Metric	
Max. capacity	4500 kg	
Max. lifting height	15.80 m	
Maximum 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	l/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		
Stabilizers Type	Wing Type	
Controls with stabs	Stabs Commands Individual or Simultaneous	2
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 pm	
Number of cylinders - Capacity of cylinders	4 - 3620 cm <sup>3</sup>	
Engine cooling system	Water cooled	
Electric circuit	Water Cooled	
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	9700 daN	
•		
Parking brake	Automatic negative parking brake	ar
Service brake	Oil-immersed multi-discs braking on front & re axles	ar
Performances		
Gradeability (laden / unladen)	46.60 % / 50.90 %	
Hydraulics		
Hydraulic pump type	Variable displacement pump	
Hydraulic flow	116 l/min	
Hydraulic Pressure	275 bar	
Tank capacities		
Engine oil	111	
Fuel tank	1301	
Noise and vibration		
	68 dB	
Noise at driving position (LpA)	106 dB	
Noise to environment (LwA)		
Vibration on hands/arms	< 2.50 m/s <sup>2</sup>	
Miscellaneous Stearing wheels (front (rear)		
Steering wheels (front / rear)	2/2 2 Iourtieke	
Controls Coh contification	2 Joysticks	
Cab certification	Cabin ROPS - FOPS level 2	
Attachment recognition system (E-Reco)	Standard	

Attachment recognition system (E-Reco)

- FOPS level 2 Standard

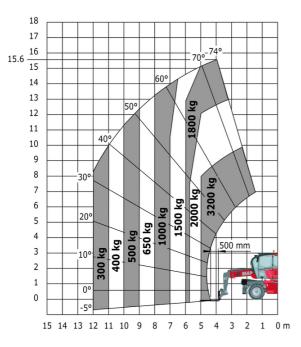
## MRT-X 1645 - Dimensional drawing



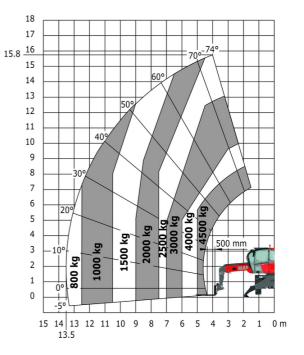
Other data		Metric
Length of frame	114	4.67 m
Wheelbase	у	2.43 m
Ground clearance	m4	0.37 m
Counterweight offset (turret at 90°)	а7	2.50 m
Tilt-up angle	a4	12 °
Tilt-down angle	a5	105 °
Overall length at stabilisers	112	4.41 m
External turning radius (over tyres)	Wa1	3.92 m
Overall width with stabilisers extended	b7	4.01 m
Overall height	h17	3.04 m
Ground clearance under front tires on stabilizers	m5	0.18 m

#### MRT-X 1645 - Load chart

#### Machine on tires with forks Metric

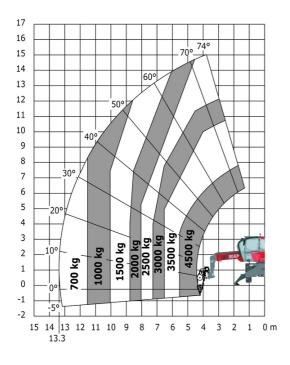


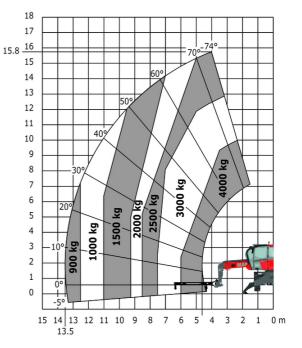
## Machine on lowered stabilisers with forks Metric



#### Machine on lowered stabilisers with winch 5000 kg Metric

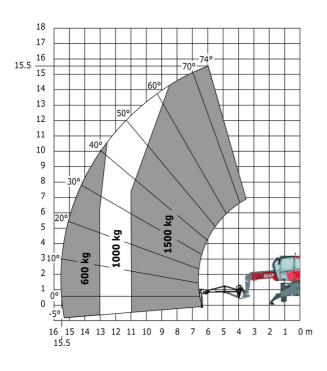
Machine on lowered stabilisers with 4000 kg jib (Metric)

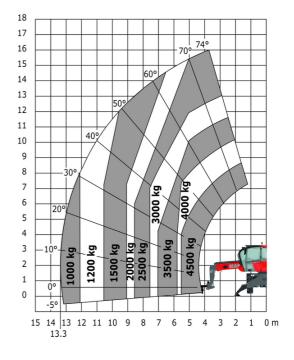




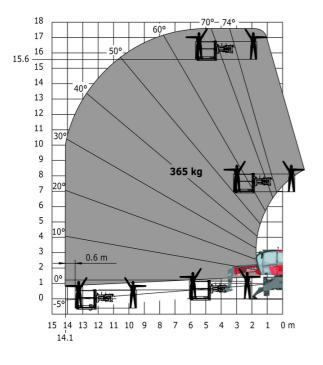
Machine on lowered stabilisers with 1500 kg jib with wincl (Metric)

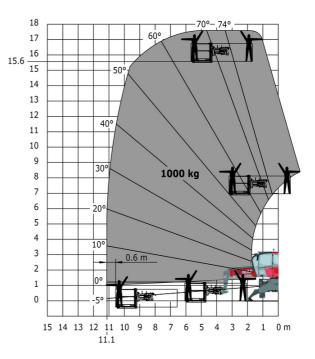
Machine on lowered stabilisers with 1500 kg jib with winch Machine on lowered stabilisers with hook 5000 kg (Metric)





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