Technical sheet :

# **MRT-X 2545**

VISION

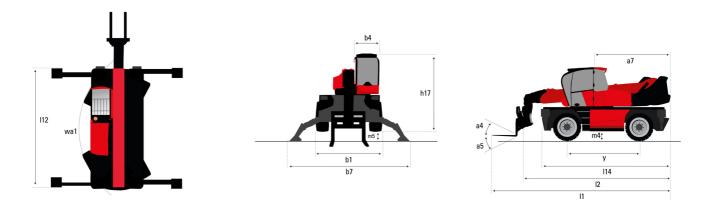




1RT-X 2545	Created on I	Mav 1.	2024 at	1:36:20	PML	JTC

	MRT-X 2545	Created on May 1, 2024 at 1:36:20 PM UT
Capacities		Metric
Max. capacity		4500 kg
Max. lifting height		24.60 m
Max. outreach		19.50 m
Weight and dimensions		
Overall length (with forks)	11	8.92 m
Length to face of forks	12	7.72 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	у	2.73 m
Tilt-up angle	a4	10 °
Tilt-down angle	a5	107 °
Turret rotation	40	400 °
Overall weight		15910 kg
Forks length / width / section	l / e / s	1200 mm x 125 mm x 50 mm
Wheels	17 6 7 5	
Standard tires		18-19,5
Drive wheels (front / rear)		2/2
Steering mode		2 wheel steer, 4 wheel steer, Crab mode
Stabilisers		2 wheel steel, 4 wheel steel, oldb mode
Stabs Type		Spider Type
Controls with stabs		Stabs Commands Individual or Simultaneous
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 4 - 3620 cm <sup>3</sup>
Number of cylinders - Capacity of cylinders		
Engine cooling system		Water cooled
Electric circuit		2 x 12 V
Number of batteries / Battery voltage		
12V Battery capacity		120 Ah
Battery starting current		(EN)850 A
Transmission		Understatio
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 & 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
Hydraulic oil		144
Fuel tank		130
Noise and vibration		1301
Noise at driving position (LpA)		68 dB
Noise at anving position (LpA) Noise to environment (LwA)		106 dB
Vibration to whole hand/arm		< 2.50 m/s²
Miscellaneous		2/2
Chapting whools (front / root)		
Steering wheels (front / rear)		
Steering wheels (front / rear) Controls Safety cab homologation		2 Joysticks ROPS - FOPS level 2 cab

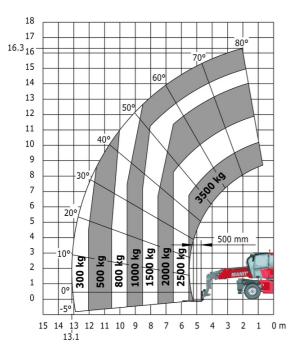
## MRT-X 2545 - Dimensional drawing



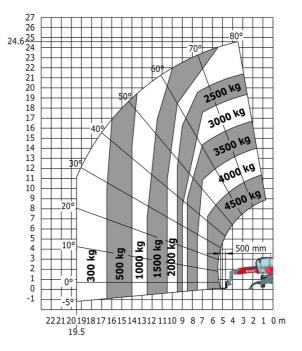
Other data		Metric
Length of frame	114	4.97 m
Wheelbase	у	2.73 m
Ground clearance	m4	0.37 m
Counterweight offset (turret at 90°)	а7	3.02 m
Tilt-up angle	a4	10 °
Tilt-down angle	a5	107 °
Overall length at stabilisers	112	4.71 m
External turning radius (over tyres)	Wa1	4.16 m
Overall width with stabilisers extended	b7	4.98 m
Overall height	h17	3.04 m
Ground clearance under front tires on stabilizers	m5	0.18 m

## MRT-X 2545 - Load chart

#### Machine on tyres with forks Metric

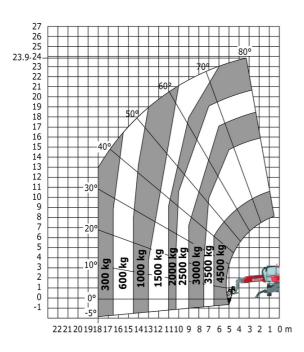


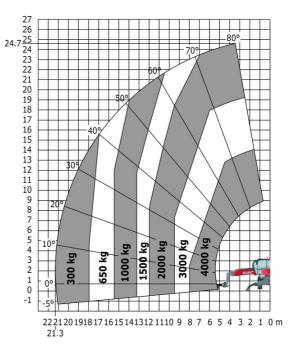
## Machine on lowered stabilisers with forks Metric



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

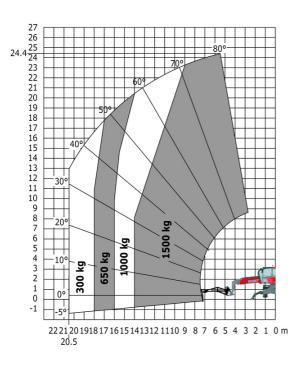
Machine on lowered stabilisers with 4000 kg jib (Metric)

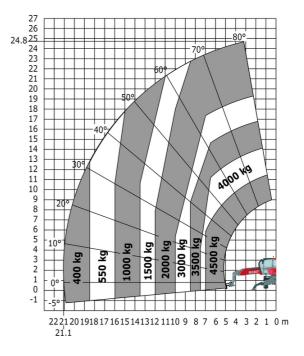




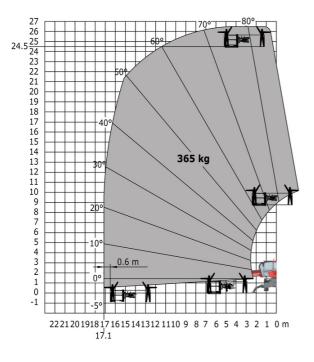
Machine on lowered stabilisers with 1500 kg jib with wincl (Metric)

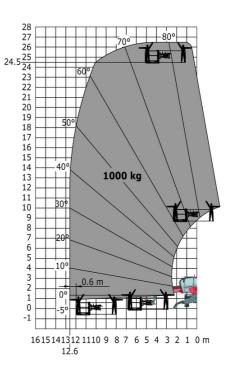
Machine on lowered stabilisers with 1500 kg jib with winch Machine on lowered stabilisers with hook 5000 kg (Metric)





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