Technical sheet:

MRT 2145 115

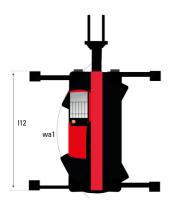
VISION

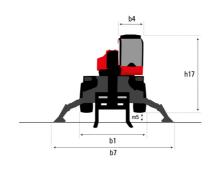


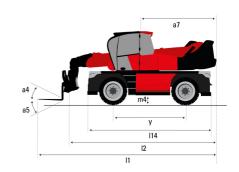


apacities lax. capacity lax. lifting height laximum outreach (eight and dimensions verall length (with forks) ength to face of forks verall width verall height verall cab width round clearance (heelbase ilt-up angle ilt-down angle urret rotation / rotation (Max.) verall weight orks length / width / section (heels tandard tires	11 12 b1 h17 b4 m4 y	Metric 4500 kg 20.60 m 18 m 7.93 m 6.73 m 2.48 m 3.04 m 0.96 m 0.37 m 2.73 m
lax. capacity lax. lifting height laximum outreach (eight and dimensions verall length (with forks) ength to face of forks verall width verall height verall cab width round clearance (heelbase lit-up angle lit-down angle urret rotation / rotation (Max.) verall weight orks length / width / section (heels	l2 b1 h17 b4 m4 y	4500 kg 20.60 m 18 m 7.93 m 6.73 m 2.48 m 3.04 m 0.96 m 0.37 m
lax. lifting height laximum outreach (eight and dimensions verall length (with forks) ength to face of forks verall width verall height verall cab width round clearance (heelbase lit-up angle lit-down angle urret rotation / rotation (Max.) verall weight orks length / width / section (heels	l2 b1 h17 b4 m4 y	20.60 m 18 m 7.93 m 6.73 m 2.48 m 3.04 m 0.96 m 0.37 m
laximum outreach feight and dimensions verall length (with forks) ength to face of forks verall width verall height verall cab width round clearance fheelbase ilt-up angle ilt-down angle urret rotation / rotation (Max.) verall weight orks length / width / section fheels	l2 b1 h17 b4 m4 y	18 m 7.93 m 6.73 m 2.48 m 3.04 m 0.96 m 0.37 m
leight and dimensions verall length (with forks) ength to face of forks verall width verall height verall cab width round clearance (heelbase ilt-up angle ilt-down angle urret rotation / rotation (Max.) verall weight orks length / width / section (heels	l2 b1 h17 b4 m4 y	7.93 m 6.73 m 2.48 m 3.04 m 0.96 m 0.37 m
verall length (with forks) ength to face of forks verall width verall height verall cab width round clearance (heelbase ilt-up angle urret rotation / rotation (Max.) verall weight orks length / width / section (heels	l2 b1 h17 b4 m4 y	6.73 m 2.48 m 3.04 m 0.96 m 0.37 m
ength to face of forks verall width verall height verall cab width round clearance (heelbase ilt-up angle ilt-down angle urret rotation / rotation (Max.) verall weight orks length / width / section (heels	l2 b1 h17 b4 m4 y	6.73 m 2.48 m 3.04 m 0.96 m 0.37 m
verall width verall height verall cab width round clearance (heelbase ilt-up angle urret rotation / rotation (Max.) verall weight orks length / width / section (heels	b1 h17 b4 m4 y a4	2.48 m 3.04 m 0.96 m 0.37 m
verall height verall cab width round clearance /heelbase ilt-up angle urret rotation / rotation (Max.) verall weight orks length / width / section	h17 b4 m4 y a4	3.04 m 0.96 m 0.37 m
verall cab width round clearance //heelbase ilt-up angle ilt-down angle urret rotation / rotation (Max.) verall weight orks length / width / section	b4 m4 y a4	0.96 m 0.37 m
round clearance /heelbase ilt-up angle ilt-down angle urret rotation / rotation (Max.) verall weight orks length / width / section	m4 y a4	0.37 m
/heelbase ilt-up angle ilt-down angle urret rotation / rotation (Max.) verall weight orks length / width / section	y a4	
ilt-up angle ilt-down angle urret rotation / rotation (Max.) verall weight orks length / width / section	a4	2.73 111
ilt-down angle urret rotation / rotation (Max.) verall weight orks length / width / section fheels		10 °
urret rotation / rotation (Max.) verall weight orks length / width / section fheels	dJ	107 °
verall weight orks length / width / section theels		360 ° or 400 °
orks length / width / section /heels		
fheels	1/2/2	14900 kg
	l/e/s	1200 mm x 125 mm x 50 mm
andard tires		
		18-19,5
rive wheels (front / rear)		2 / 2
teering mode		2 wheel steer, 4 wheel steer, Crab mode
tabilisers		
tabilizers Type		Spider Type
ontrols with stabs		Stabs Commands Individual or Simultaneous
ngine		
ngine brand		Deutz
ngine norm		Stage V, Tier 4
ngine model		TCD 3.6 L4
C. Engine power rating / Power / Engine rotation		116 Hp / 85 kW @ 2200 rpm
lax. torque / Engine rotation (min)		460 Nm @ 1600 rpm
umber of cylinders - Capacity of cylinders		4 - 3620 cm³
ngine cooling system		Water cooled
lectric circuit		
umber of batteries / Battery voltage		2 x 12 V
2V Battery capacity		120 Ah
attery starting current		(EN)850 A
ransmission (Control of the Control		
ransmission type		Hydrostatic
umber of gears (forward / reverse)		2 / 2
lax. travel speed		40 km/h
rawbar pull		9700 daN
arking brake		Automatic negative parking brake
		Oil-immersed multi-discs braking on front & rear
ervice brake		axles
erformances		
radeability (laden / unladen)		48.70 % / 49.80 %
ydraulics		
ydraulic pump type		Variable displacement pump
ydraulic flow		116 l/min
ydraulic Pressure		275 bar
ank capacities		
ngine oil		11
uel tank		133 I
iesel Exhaust fluid (AdBlue® type)		11 I
oise and vibration		
oise at driving position (LpA)		68 dB
oise to environment (LwA)		106 dB
ibration on hands/arms		< 2.50 m/s²
liscellaneous		
teering wheels (front / rear)		2 / 2
ontrols		
ab certification		Z JUVSIICKS
ttachment recognition system (E-Reco)		2 Joysticks Cabin ROPS - FOPS level 2

MRT 2145 115 - Dimensional drawing





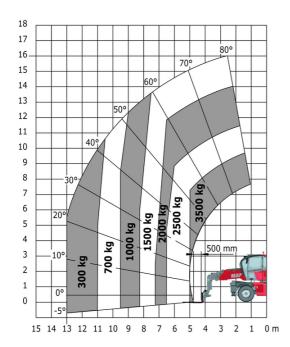


Other data	
Length of frame	
Wheelbase	
Ground clearance	
Counterweight offset (turret at 90°)	
Tilt-up angle	
Tilt-down angle	
Overall length at stabilisers	
External turning radius (over tyres)	
Overall width with stabilisers extended	
Overall height	
Ground clearance under front tires on stabilizers	

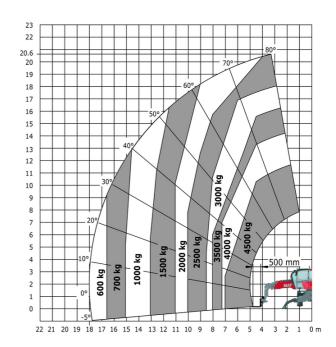
	Metric
l14	4.97 m
у	2.73 m
m4	0.37 m
a7	2.50 m
a4	10 °
a5	107 °
l12	4.71 m
Wa1	4.16 m
b7	4.98 m
h17	3.04 m
m5	0.18 m

MRT 2145 115 - Load chart

Machine on tires with forks Metric

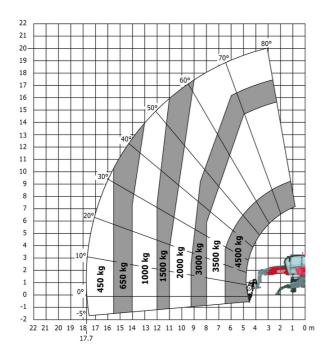


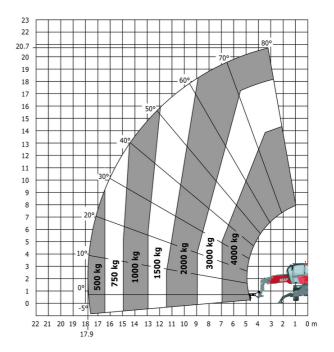
Machine on lowered stabilisers with forks Metric



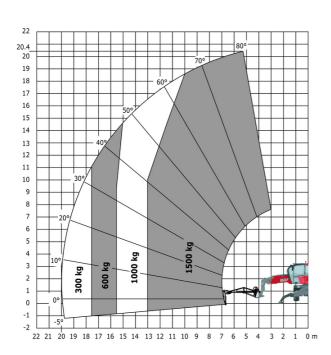
Machine on lowered stabilisers with winch 5000 kg Metric

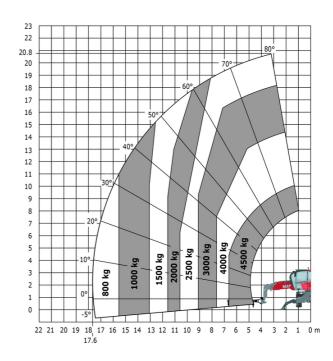
Machine on lowered stabilisers with 4000 kg jib (Metric)



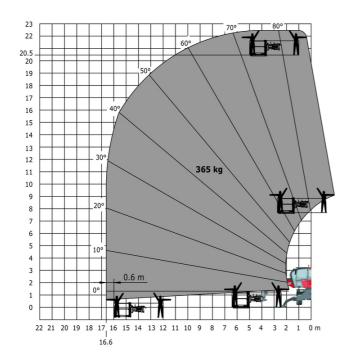


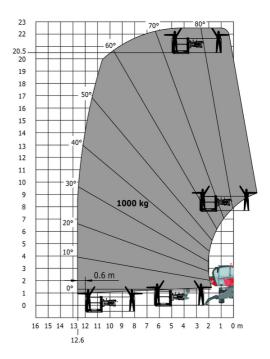
Machine on lowered stabilisers with 1500 kg jib with winch Machine on lowered stabilisers with hook 5000 kg (Metric) (Metric)





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