Technical sheet:

MRT-X 2145

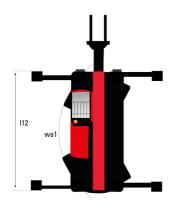
VISION

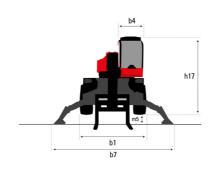


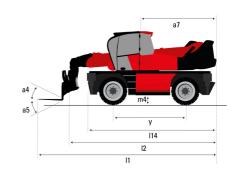


Deuts Deut		MRT-X 2145 Created on September 13, 2025 at 8:47 AN
Max. calcardy Max. calcardy Max. calcardy Max. calcardy	Capacities	Metric
Max. Hitting belopt		
Name 18 m		
Weight and dimensions 1 7.33 m Leagth of Index 12 6.73 m Leagth of Index 12 6.73 m Devail width bit 2.48 m Devail width bit 3.54 m District Castamic bit 0.95 m Michael y 2.73 m Whitehease y 2.73 m Iffice youngle at 10 ° Whitehease y 2.73 m Whitehease y 1.200 mm x 13 mm x 19 mm Whitehease y 2.22 m Belieful young y 2.72 m Belieful young y 2.72 m Belieful young y 2.00 m		
1		
Learn Lear		l1 7.93 m
Decail strong Decail stron		
10 10 10 10 10 10 10 10	•	
Desail and switch		
Stood clearance	-	
Wacehlase y 2.7 am Tilly down angle a4 10* Tilly down angle a5 102* Oweall weight a5 102* Oweall weight 1400 °c 400 °c Oweall weight / width / accition 1 / e/s 1200 mm x 25 mm x 50 mm Widther 10 mm 1 / e/s 1200 mm x 25 mm x 50 mm Winder 1 mm 1 / e/s 1 200 mm x 25 mm x 50 mm Winder 1 mm 1 mm 1 mm 1 mm Standard fired 1 mm 1 mm 2		
Till you not pinch 10		
Till form analge		•
Cumor toustain		
1400 kg 1200 mm x 125 mm x 50 mm 125 mm x	•	
Wheeled 18-19.5 Dries wheels (front / rear) 2 2 wheel steed, 4 wheel steed, Crist mode Shollities Spider Type Shollities Spider Steed, 4 wheel steed, 4 wheel steed, Crist mode Shollities Spider Type Shollities Spider Steed, 4 wheel steed, 4 wheel steed, 6	•	
1819.5. 1819		17 e / S 1200 Hilli X 125 Hilli X 50 Hilli
2		4040.5
Silesting modes Sibilitizes Type Sibilitizes Type Sibilitizes Stype Sibilitizes Styp		
Sabilizers Spider Type Controls with stabs Spider Type Control with stabs Deutz Engine brand Deutz Engine more Stage IIIA Engine model TCD 3.6 L4 LG. Engine power rating / Power 116 Hp / 25 kW Max. Instruct / Engine rotation (min) 460 Mm @ 1600 rpm Water cooled Received including control of spiders - Capacity of cylinders 4-3620 cm² Engine cooling system Received including control of batteles / Battery voltage 2 x 12 V V22 Better copacity 120 Ah Eathery Stating querent (EN)850 A Transmission fype Hydrostatic Vumber of peas (forward / reverse) 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 /		
Sabilities Type Spider Types Controls with stabs Slabs Commands individual or Simultaneous Enginee Engine band Deutz Engine model Stage IIIA Lie Engine prodef TCD 3.6.1.4 Lie. Engine prodef realing / Power 116 Hy / 55 KW Max. torque / Engine rotation (min) 4400 Mm @ 1000 ppm Number of cylinders 4.3202 cm² Engine ecoling systems Water cooled Electric Celcult Water cooled Use but yet yet yet yet yet yet yet yet yet ye		2 wheel steer, 4 wheel steer, Crab mode
Control with stable Commands Individual or Simultaneous Control with stable Control with		
Engine E		
Deuts Deut		Stabs Commands Individual or Simultaneou
Engine nom Stage IIIA Engine nome TCD 3.6 L4 TCD 3.6 L4 TCD 3.6 L4 L6. Engine power rating / Power 116 My / 85 KW Max. torqué / Engine rotation (min) 4.00 Nm @ 1000 rpm Muster or spinders - Capacity of cylinders 4.3020 cm² Engine cooling system Water cooled Electric citualt 22 x 12V 120 Ah 120 Ah Stating curent (EN)850 A Transmission Mye (EN)850 A Transmission Mye 14 km/h Unimer of gears (forward / reverse) 2 / 2 Max. travel speed 40 km/h Drawbar pull 97000 dan Max. travel speed 40 km/h Drawbar pull 97000 dan Max. travel speed 01-immersed multi-disce braking on front 8 revealed by the speed Serice brake 01-immersed multi-disce braking on front 8 revealed by the speed Performances 116 km/n Sindeability (aden / uniaden) 48,70 k/49.80 k Hydraulic pump type Variable displacement pump represente pump represente pump represente pump represente pump represente pump represente pump repres	Engine	
C. C. Engine model	•	
C. Engine power rating / Power 116 Hp / 85 kW Max. torque / Engine potation (min) 400 km @ 1600 mm	Engine norm	
Max. borque / Engine rotation (min) 450 Nm @ 1600 rpm Number of Cylinders - Capacity of cylinders (mine cooling system) Water cooled Electric circuit 2x 12 V Vumber of batteries / Battery voltage 2x 12 V 120 Ah 120 Ah Battery starting current (EN)850 A Transmission Phydrostatic Number of geas (forward / reverse) 2 / 2 Number of geas (forward / reverse) 2 / 2 Number of geas (forward / reverse) 400 km/h Drawbar pull 97000 daN Drawbar pull 400 km/h Drawbar pull 97000 daN Performances Automatic negative parking brake Gradeability (den/ runladen) 48.70 % / 49.80 % Hydraulic flow 48.70 % / 49.80 % Hydraulic flow 116 / Irin Hydraulic flow 115 / Irin Hydraulic flow 115 / Irin Hydraulic flow 27.5 bar Trank capacities 111 / Irin Engine oil 11 / Irin Noise and riving position (LpA) 68 dB Noise on wincern	Engine model	TCD 3.6 L4
Number of cylinders - Capacity of cylinders 4 - 3620 cm² Engine cooling system Water cooled Electric frient	I.C. Engine power rating / Power	116 Hp / 85 kW
Engine cooling system Water cooled Electric circit Canaly Electric circit Canaly Unwher of batteries / Battery witage 2 x 12 Y 120 Ah (EN)850 A Intransmission Century Transmission type Hydrostatic Vumber of gears (forward / reverse) 4 km/h Mumber of gears (forward / reverse) 2 / 2 Max. travel speed 4 km/h 97000 daN Drawbar pull 97000 daN Automatic negative parking brake Service brake Oil-immersed multi-discs braking on front & residence brake Automatic negative parking brake Gradeability (laden / unladen) 48.70 % / 49.80 % Hydraulic flow Hydraulic flow 48.70 % / 49.80 % Hydraulic flow Hydraulic flow 116 //min 116 //min Hydraulic flow 116 //min 117 //min Hydraulic pump type 116 //min 117 //min Hydraulic flow 118 //min 133 1 Noise and thortion 118 //min 133 1 Noise and thortion 68 dB 8	Max. torque / Engine rotation (min)	460 Nm @ 1600 rpm
Cabin Circuit	Number of cylinders - Capacity of cylinders	4 - 3620 cm³
Number of batteries / Battery voltage	Engine cooling system	Water cooled
12V Battery capacity 120 Ah Battery starting current (EN)850 A Transmission Hydrostatic Number of gears (forward / reverse) 2 / 2 Max. travel speed 40 km/h Drawbar pull 97000 daN Parking brake Automatic negative parking brake Service brake 01-immersed multi-discs braking on front & receive arking brake Service brake 01-immersed multi-discs braking on front & receive arking brake Service brake 01-immersed multi-discs braking on front & receive arking brake Service brake 01-immersed multi-discs braking on front & receive arking brake Service brake 01-immersed multi-discs braking on front & receive arking brake Service brake 01-immersed multi-discs braking on front & receive arking brake Service brake 01-immersed multi-discs braking on front & receive arking brake Hydraulic pump type Variable displacement pump Hydraulic pump type Variable displacement pump Hydraulic flow 11-1 I/min Hydraulic flow 13-1 I Fuel tank 13-1 I Woise and vibration 8-8 dB Noise	Electric circuit	
Battery starting current (EN)850 A Transmission (EN)850 A Transmission type Hydrostatic Number of gears (forward / reverse) 2 / 2 Max. travel speed 40 km/h Drawbar pull 97000 daN Parking brake Automatic negative parking brake Service brake 01-immersed multi-discs braking on front & recarded as less Performances 01-immersed multi-discs braking on front & recarded as less Gradeability (laden / unladen) 48.70 % / 49.80 % Hydraulic pump type Variable displacement pump Hydraulic Pressure 275 bar Tank capacities 275 bar Fugine oil 11 I Fuel tank 133 I Noise and vibration 68 dB Noise a driving position (LpA) 68 dB Noise to environment (LwA) 16 dB Wilselanous 2 / 2 So m/s² Steeling wheels (front / rear) 2 / 2 Controls Cabin ROPS - FOPS level 2	Number of batteries / Battery voltage	2 x 12 V
Transmission type Hydrostatic Wax travel speed 40 km/h Drawbar pull 97000 daN Parking brake Automatic negative parking brake Service brake Oil-immersed multi-discs braking on front & rectangle Gradeability (Iaden / unladen) 48,70 % / 49.80 % Hydraulics Hydraulics Inw Variable displacement pump Hydraulic Pressure 275 bar Engine oil 116 l/min 117 l/min Fuel tank 133 l Noise and wibration Noise at driving position (LpA) 68 dB Noise to environment (LwA) 68 dB Wibration on hands/arms 4 2,20 m/s² 2 Miscellaneous 2 2 Steering wheels (front / rear) 2 / 2 2 2 Controls 2 Joysticks Cabin ROPS - FOPS level 2	12V Battery capacity	120 Ah
Transmission type Number of gears (forward / reverse) Max. travel speed Max. travel	Battery starting current	(EN)850 A
Number of gears (forward / reverse) 2 / 2 Max. travel speed 40 km/h Drawbar pull 97000 daN Parking brake Automatic negative parking brake Service brake 0il-immersed multi-discs braking on front & recard axles Gradeability (Iden / unladen) 48.70 % / 49.80 % Hydraulics Variable displacement pump Hydraulic flow 116 l/min Hydraulic flow 275 bar Hydraulic sesure 275 bar Engine oil 111 Fuel tank 133 l Noise and wibration 66 dB Noise and wibration (LpA) 66 dB Noise to environment (LwA) 106 dB Wibration on hands/arms 2.250 m/s² Miscellaneous 2.12 Steering wheels (front / rear) 2.2 Joysticks Cabier ROPS - FOPS level 2	Transmission	
Max. travel speed 40 km/h Drawbar pull 97000 daN Parking brake Automatic negative parking brake Service brake 0il-immersed multi-discs braking on front & res axles Performances	Transmission type	Hydrostatic
Drawbar pull 97000 daN Parking brake Automatic negative parking brake Service brake Oli-immersed multi-discs braking on front & researches axles Gradeability (laden / unladen) 48.70 % / 49.80 % Hydraulics Variable displacement pump Hydraulic pump type Variable displacement pump Hydraulic Pressure 275 bar Tank capacities 111 Engine oil 133 l Noise and vibration 68 dB Noise at driving position (LpA) 68 dB Noise to environment (LwA) 106 dB Vibration on hands/arms < 2.50 m/s²	Number of gears (forward / reverse)	2/2
Parking brake Automatic negative parking brake Service brake Oil-immersed multi-discs braking on front & recall and less and l	Max. travel speed	40 km/h
Service brake Oil-immersed multi-discs braking on front & recarded multi-disc braking on front & recarded multi-disc braking on front & recarded multi-disc braking on	Drawbar pull	97000 daN
Performances	Parking brake	Automatic negative parking brake
Performances	Our description	Oil-immersed multi-discs braking on front & r
Gradeability (laden / unladen) 48.70 % / 49.80 % Hydraulics Variable displacement pump Hydraulic flow 116 l/min Hydraulic Pressure 275 bar Tank capacities **** Engine oil 11 l Noise and vibration 133 l Noise and viving position (LpA) 68 dB Noise to environment (LwA) 106 dB Vibration on hands/arms < 2.50 m/s²	Service drake	
Hydraulics Variable displacement pump Hydraulic pump type Variable displacement pump Hydraulic flow 116 l/min Hydraulic Pressure 275 bar Tank capacities Step of the public publi	Performances	
Hydraulic pump type Hydraulic pump type Hydraulic flow 116 I/min 116 I/min Hydraulic Pressure 275 bar Tank capacities Engine oil Fuel tank Noise and vibration Noise at driving position (LpA) Noise to environment (LwA) Vibration on hands/arms Miscellaneous Steering wheels (front / rear) Controls Cab certification Variable displacement pump 116 I/min 117 11 I	Gradeability (laden / unladen)	48.70 % / 49.80 %
Hydraulic flow 116 l/min Hydraulic Pressure 275 bar Tank capacities	Hydraulics	
Application	Hydraulic pump type	Variable displacement pump
Tank capacities Engine oil 11 I Fuel tank 133 I Noise and vibration 0 Noise at driving position (LpA) 68 dB Noise to environment (LwA) 106 dB Vibration on hands/arms < 2.50 m/s²	Hydraulic flow	116 l/min
Engine oil 11 I Fuel tank 133 I Noise and vibration Steering wheels (front / rear) Noise to environment (LwA) 68 dB Vibration on hands/arms 106 dB Miscellaneous 2.50 m/s² Steering wheels (front / rear) 2 / 2 Controls 2 Joysticks Cab certification Cabin ROPS - FOPS level 2	Hydraulic Pressure	275 bar
Fuel tank 133 I Noise and vibration 68 dB Noise at driving position (LpA) 68 dB Noise to environment (LwA) 106 dB Vibration on hands/arms < 2.50 m/s²	Tank capacities	
Fuel tank 133 I Noise and vibration 68 dB Noise at driving position (LpA) 68 dB Noise to environment (LwA) 106 dB Vibration on hands/arms < 2.50 m/s²	Engine oil	11
Noise and vibration Noise at driving position (LpA) Noise to environment (LwA) Vibration on hands/arms Miscellaneous Steering wheels (front / rear) Controls Cab certification 106 dB < 2.50 m/s² 2.50 m/s² 2 / 2 2 Joysticks Cabin ROPS - FOPS level 2	Fuel tank	
Noise at driving position (LpA) Noise to environment (LwA) Vibration on hands/arms Miscellaneous Steering wheels (front / rear) Controls Cab certification 68 dB 106 dB 2.50 m/s² 2.50 m/s² 2.72 2.72 2.72 2.72 2.72 2.72 2.72 2.72 2.72 2.72 2.73 2.72 2.73 2.73 2.75	Noise and vibration	
Noise to environment (LWA) 106 dB Vibration on hands/arms < 2.50 m/s²	Noise at driving position (LpA)	68 dB
Vibration on hands/arms < 2.50 m/s²	Noise to environment (LwA)	
Miscellaneous Steering wheels (front / rear) Controls Cab certification 2 / 2 2 Joysticks Cabin ROPS - FOPS level 2		
Steering wheels (front / rear) Controls Cab certification 2 / 2 2 Joysticks Cabin ROPS - FOPS level 2		
Controls 2 Joysticks Cab certification Cabin ROPS - FOPS level 2		2/2
Cabin ROPS - FOPS level 2		
Attachment recognition cyctom (E-Page)	Attachment recognition system (E-Reco)	Standard

MRT-X 2145 - Dimensional drawing





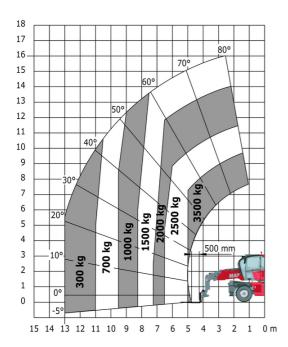


Other data	
Length of frame	
Wheelbase	
Ground clearance	
Counterweight offset (turret at 90°)	
Tilt-up angle	
Tilt-down angle	
Overall length at stabilisers	
External turning radius (over tyres)	
Overall width with stabilisers extended	
Overall height	
Ground clearance under front tires on stabilizers	

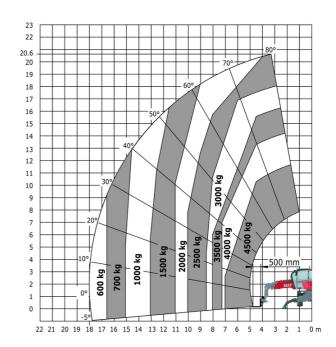
	Metric
l14	4.97 m
у	2.73 m
m4	0.37 m
a7	2.50 m
a4	10 °
a5	107 °
l12	4.71 m
Wa1	4.16 m
b7	4.98 m
h17	3.04 m
m5	0.18 m

MRT-X 2145 - Load chart

Machine on tires with forks Metric

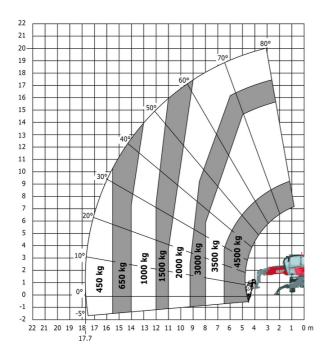


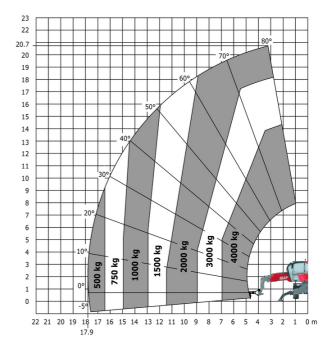
Machine on lowered stabilisers with forks Metric



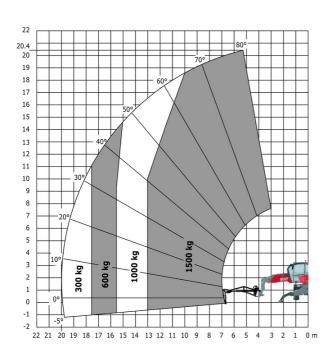
Machine on lowered stabilisers with winch 5000 kg Metric

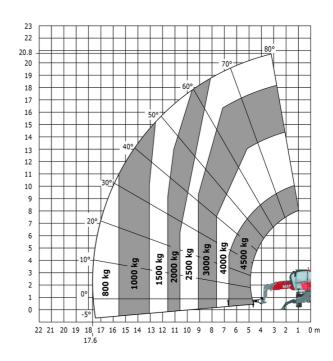
Machine on lowered stabilisers with 4000 kg jib (Metric)



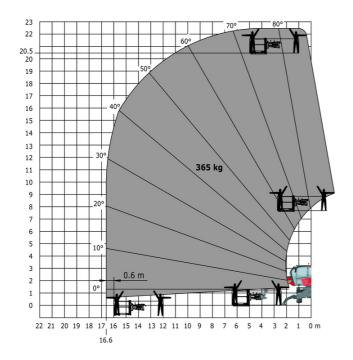


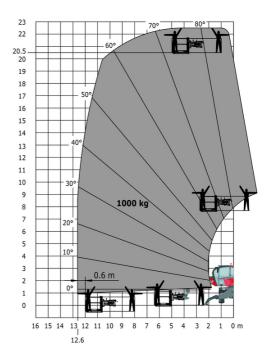
Machine on lowered stabilisers with 1500 kg jib with winch Machine on lowered stabilisers with hook 5000 kg (Metric) (Metric)





Machine on lowered stabilisers with 365 kg platform Metric Machine on lowered stabilisers with 1000 kg platform Metric 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