

Technical sheet :

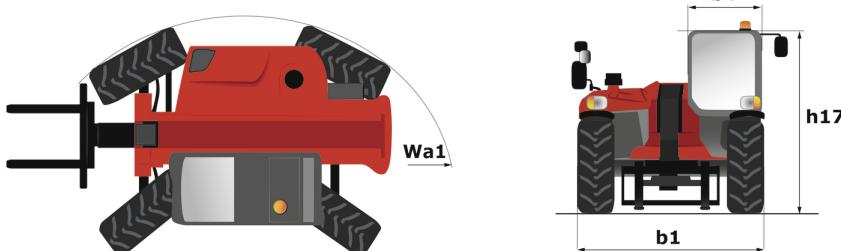
MT 420 H



 **MANITOU**
HANDLING YOUR WORLD

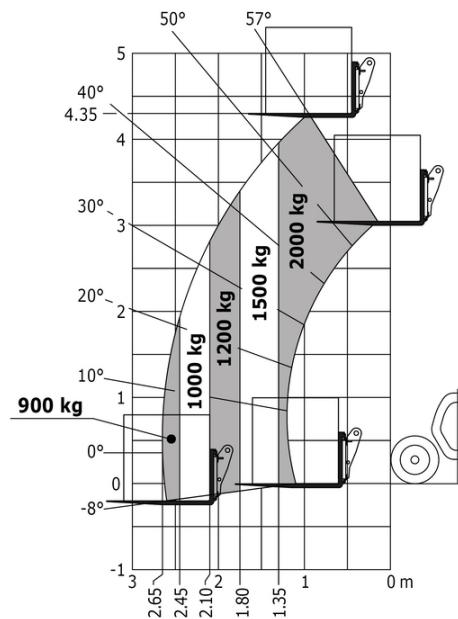
Capacities		Metric	
Max. capacity		2000 kg	
Max. lifting height		4.35 m	
Maximum outreach		2.65 m	
Breakout force with bucket		1886 daN	
Weight and dimensions			
Overall length to carriage	I11	3.64 m	
Length to face of forks	I2	3.58 m	
Overall width	b1	1.49 m	
Overall height	h17	1.97 m	
Wheelbase	y	2.13 m	
Ground clearance	m4	0.24 m	
Overall cab width	b4	0.80 m	
Tilt-up angle	a4	12 °	
Tilt-down angle	a5	116 °	
External turning radius (over tyres)	Wa1	2.98 m	
Unladen weight (with forks)		4190 kg	
Overall weight		4260 kg	
Tires type		Inflatable	
Forks length / width / section	I / e / s	1200 mm x 125 mm x 45 mm	
Performances			
Lifting		5 s	
Lowering		3.50 s	
Extension		4.80 s	
Retraction		3 s	
Crown		3.30 s	
Dump		2.70 s	
Engine			
Engine brand		Kubota	
Engine norm		Stage V	
Engine model		2607-CR-E5	
Number of cylinders / Capacity of cylinders		4 - 2615 cm³	
Engine power (Hp/kW)		57 Hp / 42 kW	
Max. torque / Engine rotation		174 Nm @ 1600 rpm	
Drawbar pull (Laden)		2850 daN	
Transmission			
Transmission type		Hydrostatic	
Number of gears (forward / reverse)		2 / 2	
Max. travel speed		24.90 km/h	
Max. travel speed (may vary according to applicable regulations)		24.90 km/h	
Parking brake		Automatic Negative Hand-brake	
Service brake		Disk brake on the cadran shaft	
Hydraulics			
Hydraulic pump type		Gear pump	
Hydraulic flow / Pressure		77.40 l/min-23 bar	
Tank capacities			
Engine oil		10.20 l	
Hydraulic oil		70 l	
Hydraulic tank capacity		10.20 l	
Fuel		60 l	
Noise and vibration			
Noise at driving position (LpA)		76 dB	
Noise to environment (LWA)		104 dB	
Vibration on hands/arms		2.50 m/s²	
Miscellaneous			
Steering wheels (front / rear)		2 / 2	
Drive wheels (front / rear)		2 / 2	
Safety / Cab certification		Standard EN 15000 / ROPS - FOPS cab (level 1)	
Controls		JSM	

MT 420 H - Dimensional drawing



MT 420 H - Load chart

Machine on tires with forks Metric





MANITOU HANDLING YOUR WORLD

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