

Technical sheet :

MT 420 H



 **MANITOU**
HANDLING YOUR WORLD

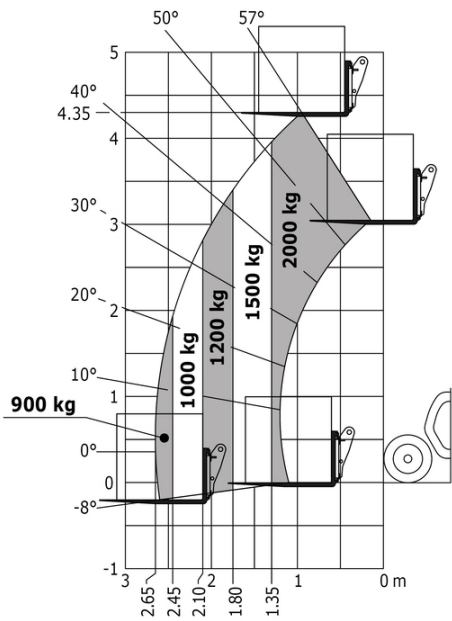
Capacities		Metric	Imperial
Max. capacity		2000 kg	4409 lb
Max. lifting height		4.35 m	14 ft 3 in
Max. outreach		2.65 m	8 ft 8 in
Breakout force with bucket		1886 daN	1886 daN
Weight and dimensions			
Overall length to carriage	l11	3.64 m	11 ft 11 in
Length to face of forks	l2	3.58 m	11 ft 9 in
Overall width	b1	1.49 m	4 ft 11 in
Overall height	h17	1.97 m	6 ft 6 in
Wheelbase	y	2.13 m	7 ft
Ground clearance	m4	0.24 m	9 in
Overall cab width	b4	0.80 m	2 ft 7 in
Tilt-up angle	a4	12 °	12 °
Tilt-down angle	a5	116 °	116 °
External turning radius (over tyres)	Wa1	2.98 m	9 ft 9 in
Unladen weight (with forks)		4190 kg	9237 lb
Overall weight		4260 kg	9392 lb
Tires type		Pneumatic	Pneumatic
Forks length / width / section	l / e / s	1200 mm x 125 mm / 45 mm	47 in x 5 in / 2 in
Performances			
Lifting		5 s	5 s
Lowering		3.50 s	3.50 s
Extension		4.80 s	4.80 s
Retraction		3 s	3 s
Crowd		3.30 s	3.30 s
Dump		2.70 s	2.70 s
Engine			
Engine brand		Kubota	Kubota
Engine norm		Stage V	Stage V
Engine model		2607-CR-E5	2607-CR-E5
Number of cylinders / Capacity of cylinders		4 - 2615 cm³	4 - 160 in³
I.C. Engine power rating - Power		57 Hp / 42 kW	57 Hp / 42 kW
Max. torque / Engine rotation		174 Nm @ 1600 rpm	128 ft/lbs @ 1600 rpm
Drawbar pull (Laden)		2850 daN	2850 daN
Transmission			
Transmission type		Hydrostatic	Hydrostatic
Number of gears (forward / reverse)		2 / 2	2 / 2
Max. travel speed		24.90 km/h	15 mph
Parking brake		Automatic Negative Hand-brake	Automatic Negative Hand-brake
Service brake		Disk brake on the cadran shaft	Disk brake on the cadran shaft
Hydraulics			
Hydraulic pump type		Gear pump	Gear pump
Hydraulic flow / Pressure		77.40 l/min-235 bar	20 US gpm-3408 PSI
Tank capacities			
Engine oil		10.20 l	3 US gal
Hydraulic oil		70 l	18 US gal
Fuel tank		60 l	16 US gal
Noise and vibration			
Noise at driving position (LpA)		76 dB	76 dB
Noise to environment (LwA)		104 dB	104 dB
Vibration on hands/arms		< 2.50 m/s²	< 2.50 m/s²
Miscellaneous			
Steering wheels (front / rear)		2 / 2	2 / 2
Drive wheels (front / rear)		2 / 2	2 / 2
Safety / Safety cab homologation		Standard EN 15000 / ROPS - FOPS level 1 cab	Standard EN 15000 / ROPS - FOPS level 1 cab
Controls		JSM	JSM

MT 420 H - Dimensional drawing

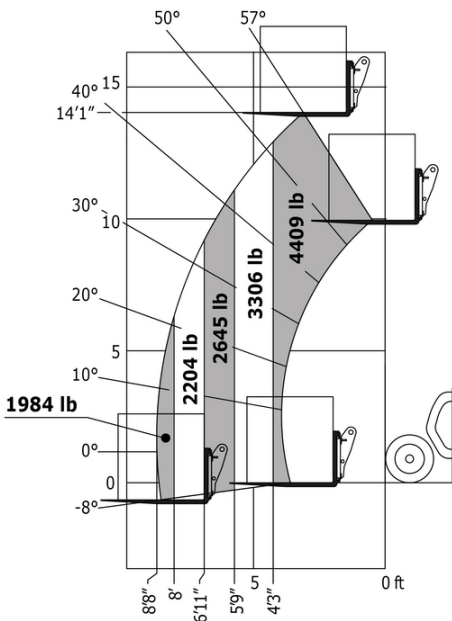


MT 420 H - Load chart

Machine on tyres with forks Metric



Machine on tyres with forks Imperial





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