

Technical sheet :

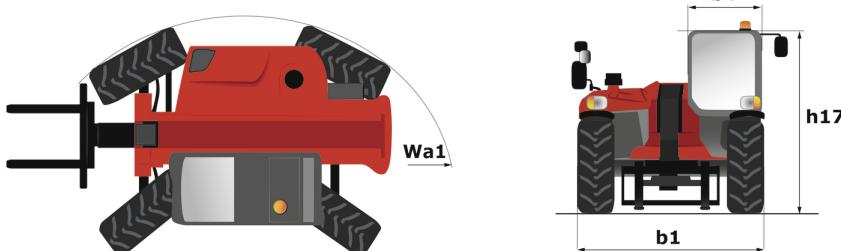
# MT 420 H



 **MANITOU**  
HANDLING YOUR WORLD

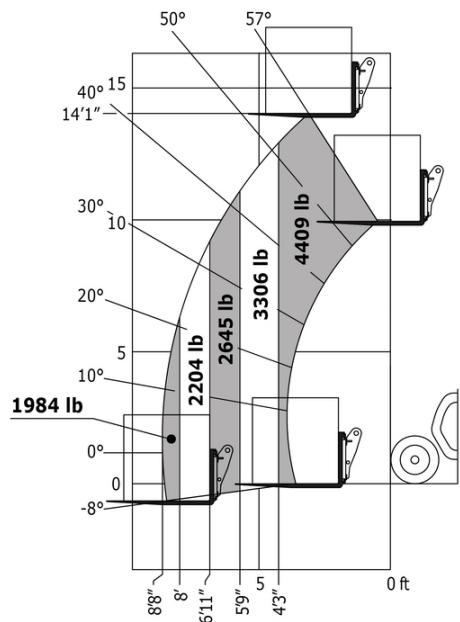
Capacities		Imperial
Max. capacity		4409 lb
Max. lifting height		14 ft 3 in
Maximum outreach		8 ft 8 in
Breakout force with bucket		1886 daN
Weight and dimensions		Imperial
Overall length to carriage	l11	11 ft 11 in
Length to face of forks	l2	11 ft 9 in
Overall width	b1	4 ft 11 in
Overall height	h17	6 ft 6 in
Wheelbase	y	7 ft
Ground clearance	m4	9 in
Overall cab width	b4	2 ft 7 in
Tilt-up angle	a4	12 °
Tilt-down angle	a5	116 °
External turning radius (over tyres)	Wa1	9 ft 9 in
Unladen weight (with forks)		9237 lb
Overall weight		9392 lb
Tires type		Inflatable
Forks length / width / section	l / e / s	47 in x 5 in x 2 in
Performances		Imperial
Lifting		5 s
Lowering		3.50 s
Extension		4.80 s
Retraction		3 s
Crowd		3.30 s
Dump		2.70 s
Engine		Imperial
Engine brand		Kubota
Engine norm		Stage V
Engine model		2607-CR-E5
Number of cylinders / Capacity of cylinders		4 - 160 in³
Engine power (Hp/kW)		57 Hp / 42 kW
Max. torque / Engine rotation		128 ft/lbs @ 1600 rpm
Drawbar pull (Laden)		2850 daN
Transmission		Imperial
Transmission type		Hydrostatic
Number of gears (forward / reverse)		2 / 2
Max. travel speed		15 mph
Max. travel speed (may vary according to applicable regulations)		15 mph
Parking brake		Automatic Negative Hand-brake
Service brake		Disk brake on the cadran shaft
Hydraulics		Imperial
Hydraulic pump type		Gear pump
Hydraulic flow / Pressure		20 US gpm-3408 PSI
Tank capacities		Imperial
Engine oil		3 US gal
Hydraulic oil		18 US gal
Hydraulic tank capacity		3 US gal
Fuel		16 US gal
Noise and vibration		Imperial
Noise at driving position (LpA)		76 dB
Noise to environment (LwA)		104 dB
Vibration on hands/arms		8 ft/s²
Miscellaneous		Imperial
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 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](http://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