Technical sheet :

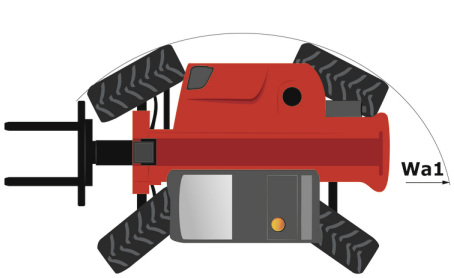
MT 420 H

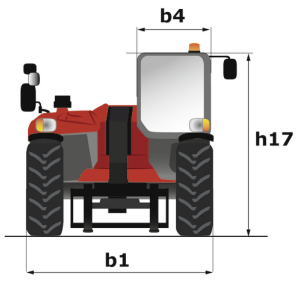


MANITOU
HANDLING YOUR WORLD

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

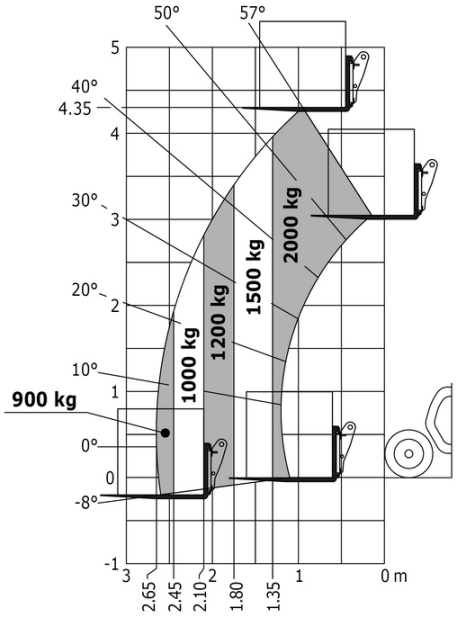
MT 420 H - Dimensional drawing



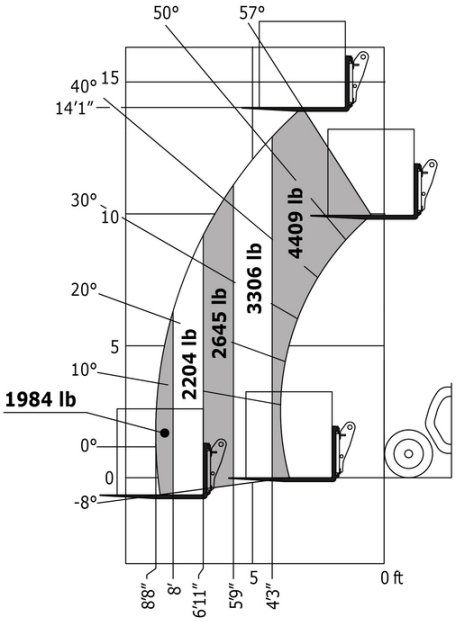


MT 420 H - Load chart

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



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