

Technical sheet :

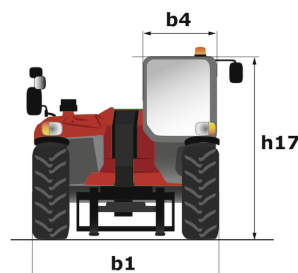
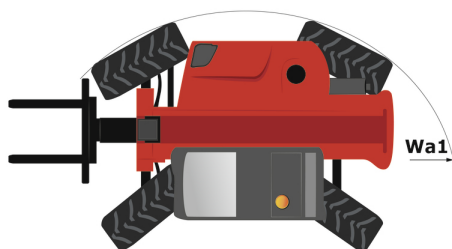
MT 420 H



 **MANITOU**
HANDLING YOUR WORLD

Capacities		Imperial
Max. capacity	Q	4409 lb
Max. lifting height		14 ft 3 in
Max. outreach		8 ft 8 in
Breakout force with bucket		1886 daN
Weight and dimensions		
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		
Lifting		5 s
Lowering		3.50 s
Extension		4.80 s
Retraction		3 s
Crowd		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 - 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		
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		
Hydraulic pump type		Gear pump
Hydraulic flow / Pressure		20 US gpm-3408 PSI
Tank capacities		
Engine oil		3 US gal
Hydraulic oil		18 US gal
Hydraulic tank capacity		3 US gal
Fuel tank capacity		16 US gal
Noise and vibration		
Noise at driving position (LpA)		76 dB
Noise to environment (LwA)		104 dB
Vibration on hands/arms		< 8 ft/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 Imperial

