

Technical sheet :

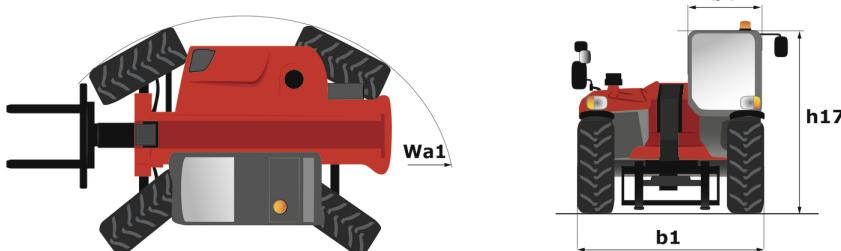
MT 420 H



 **MANITOU**
HANDLING YOUR WORLD

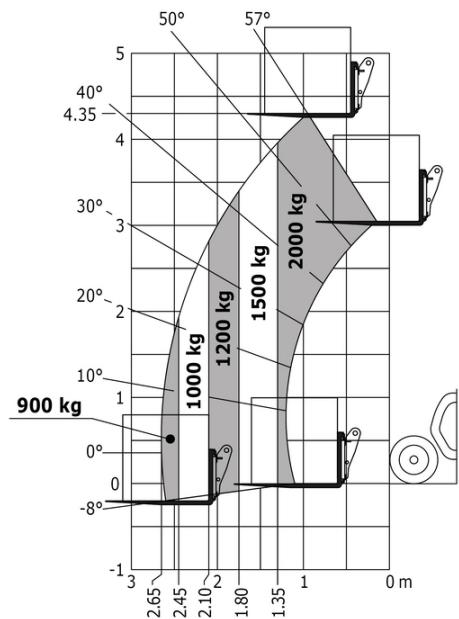
Capacities		Metric	
Max. capacity		2000 kg	
Max. lifting height		4.35 m	
Maximum outreach		2.65 m	
Breakout force with bucket		1886 daN	
Weight and dimensions			
Overall length to carriage	I11	3.64 m	
Length to face of forks	I2	3.58 m	
Overall width	b1	1.49 m	
Overall height	h17	1.97 m	
Wheelbase	y	2.13 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



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