

Technical sheet :

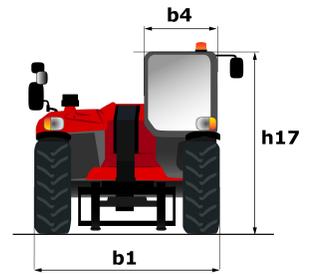
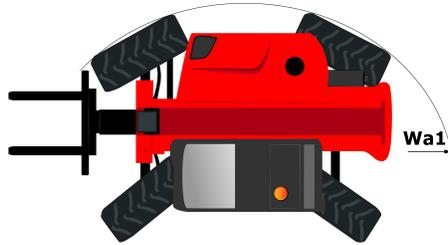
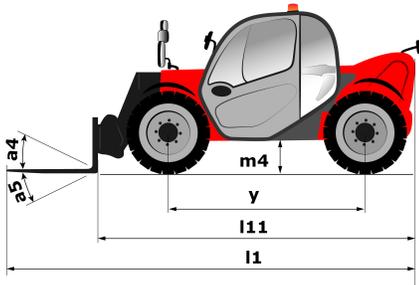
# **MT 420 H**

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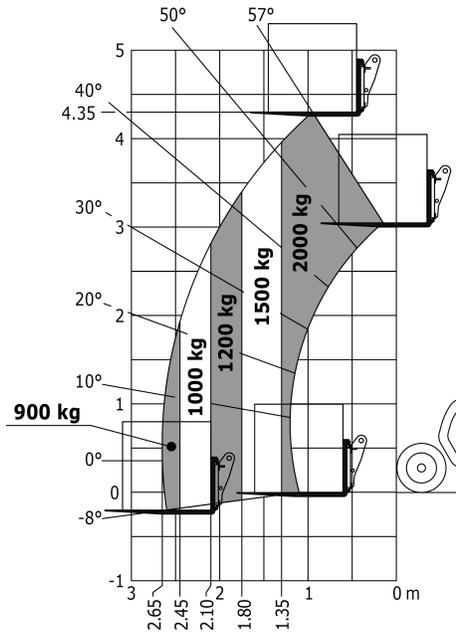
Capacities		Metric	Imperial
Max. capacity	Q	2000 kg	4409 lbs
Max. lifting height	h3	4.35 m	14 ft 3 in
Max. Reach	l4	2.65 m	8 ft 8 in
Breakout force with bucket		1886 daN	1886 daN
Weight and dimensions			
Overall length to carriage	l11	3.64 m	11 ft 11 in
Overall length (with forks)	l1	3.64 m	11 ft 11 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	0.79 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 lbs
Tyres type		Pneumatic	Pneumatic
Standard tyres		Camso 12-16.5 12PR SKS 532	Camso 12-16.5 12PR SKS 532
Forks length / width / section	l / e / s	1200 mm x 125 mm x 45 mm	47.244 in x 4.921 in x 1.772 in
Performances			
Lifting		5 s	5 s
Lowering		3.5 s	3.5 s
Extension		4.8 s	4.8 s
Retraction		3 s	3 s
Crowd		3.3 s	3.3 s
Dump		2.7 s	2.7 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 cm <sup>3</sup>	4 - 159.58 in <sup>3</sup>
I.C. Engine power rating - Power (kW)		57 Hp / 42 kW	57 Hp / 42 kW
Max. torque / Engine rotation		174 @ 1600 tr/min	174 @ 1600 tr/min
Drawbar pull (Laden)		2850 daN	2850 daN
Transmission			
Transmission type		Hydrostatic	Hydrostatic
Number of gears (forward / reverse)		2 / 2	2 / 2
Max. travel speed (may vary according to applicable regulations)		24.9 km/h	15.5 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
Axle Manufacturer		Dana	Dana
Hydraulics			
Hydraulic pump type		Gear Pump	Gear Pump
Hydraulic flow / Pressure		77.4 l/min / 235 Bar	77.4 l/min / 16 PSI
Tank capacities			
Engine oil		10.2 l	2.24 gal
Hydraulic oil		70 l	15.4 gal
Fuel tank		60 l	13.2 gal
Noise and vibration			
Noise at driving position (LpA)		76 dB(A)	76 dB(A)
Noise to environment (LwA)		104 dB(A)	104 dB(A)
Vibration on hands/arms		2.5 Nm	8.2 ft/s
Miscellaneous			
Steering wheels (front / rear)		2 / 2	2 / 2
Drive wheels (front / rear)		2 / 2	2 / 2
Safety / Safety cabin homologation		Standard EN 15000 / Cab ROPS - FOPS Level 1	Standard EN 15000 / Cab ROPS - FOPS Level 1
Controls		JSM	JSM

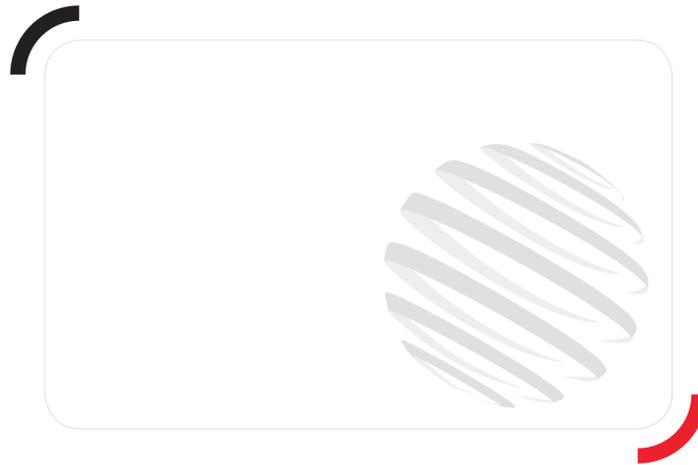
# Dimensional drawing



# Load chart

Machine on tyres with forks Metric





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