

MR. CRANE

OPERATED CRANES / RIGGING

ENGINEERING / SAFETY

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MHT 10230

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Technical sheet :

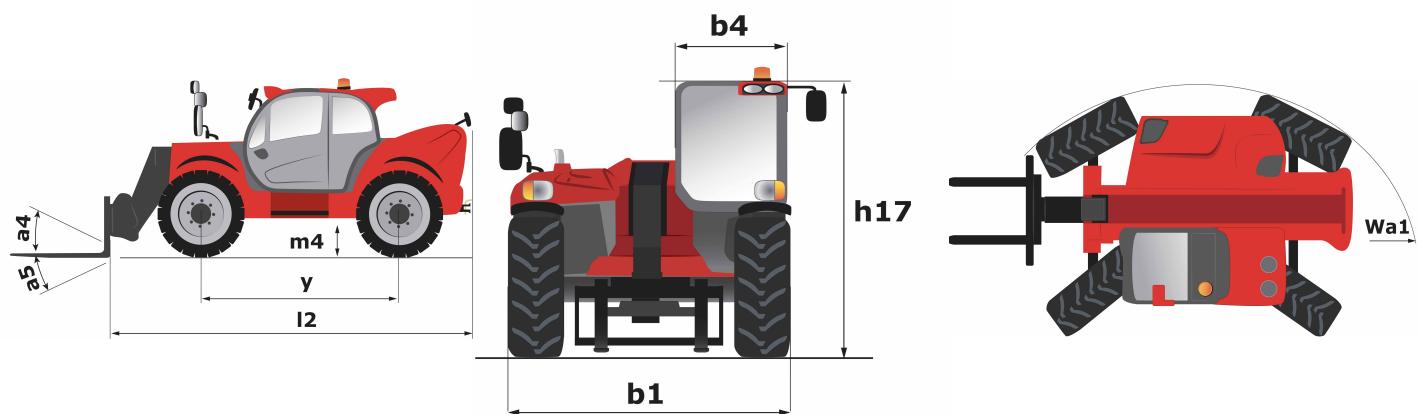
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 **MANITOU**
HANDLING YOUR WORLD

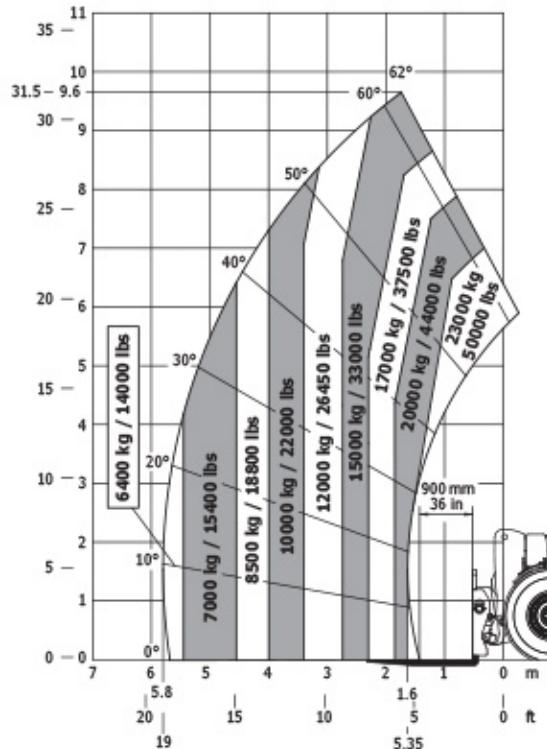
Capacities		Metric		Imperial	
Max. capacity	Q	23000 kg		50706 lbs	
Load centre of gravity	c	900 mm		35.433 in	
Max. lifting height	h3	9.65 m		31 ft 8 in	
Max. Reach	l4	5.8 m		19 ft	
Weight and dimensions					
Unladen weight (with forks)		29300 kg		64595 lbs	
Ground clearance	m4	0.49 m		1 ft 7 in	
Wheelbase	y	3.9 mm		0.154 in	
Length to face of forks	l2	6.99 m		22 ft 11 in	
Overall width	b1	2.85 m		9 ft 4 in	
Overall height	h17	3.05 m		10 ft	
Overall cab width	b4	0.93 m		3 ft 1 in	
Tilt-down angle	a5	105 °		105 °	
Tilt-up angle	a4	12 °		12 °	
External turning radius (over tyres)	Wa1	5.4 m		17 ft 9 in	
Outer turning radius (with forks)	b15	6.65 m		21 ft 10 in	
Forks length / width / section	l / e / s	200 mm x 110 mm x 1800 mm		7.874 in x 4.331 in x 70.866 in	
Frame levelling corrector	a9	10 °		10 °	
Tires					
Standard tyres		Aeolus - 18.00 R25 AIN 47		Aeolus - 18.00 R25 AIN 47	
Number of front wheels / rear wheels		2 / 2		2 / 2	
Steering wheels (front / rear)		2 / 2		2 / 2	
Drive wheels (front / rear)		2 / 2		2 / 2	
Steering mode		2 wheel steer, 4 wheel steer, Crab mode		2 wheel steer, 4 wheel steer, Crab mode	
Engine					
Engine brand		Mercedes		Mercedes	
Engine norm		Stage IV / Tier 4 Final		Stage IV / Tier 4 Final	
Engine model		OM 934 LA. E4-3		OM 934 LA. E4-3	
Number of cylinders / Capacity of cylinders		4 - 5100 cm³		4 - 311.22 in³	
I.C. Engine power rating / Power (kW)		176 Hp / 129 kW		176 Hp / 129 kW	
Max. torque / Engine rotation		750 Nm@m/1600 tr/min		750 Nm@m/1600 tr/min	
Engine cooling system		Water		Water	
Number of batteries		2		2	
Battery / Batteries capacity		12 V / 120 Ah		12 V / 120 Ah	
Drawbar pull (Laden)		18500 daN		18500 daN	
Transmission					
Transmission type		Hydrostatic		Hydrostatic	
Number of gears (forward / reverse)		2 / 2		2 / 2	
Max. travel speed (may vary according to applicable regulations)		25 km/h		15.5 mph	
Parking brake		Automatic Negative Hand-brake		Automatic Negative Hand-brake	
Service brake		Hydraulic		Hydraulic	
Gradeability - laden		34 %		34 %	
Hydraulics					
Hydraulic pump type		Variable pump		Variable pump	
Hydraulic flow - Pressure		205 l/min - 350 Bar		205 l/min - 24 PSI	
Tank capacities					
Engine oil		21 l		4.62 gal	
Hydraulic oil		290 l		63.79 gal	
Fuel tank		315 l		69.29 gal	
Diesel Exhaust fluid (AdBlue® type)		63 l		13.86 gal	
Noise and vibration					
Noise at driving position (LpA)		80 dB(A)		80 dB(A)	
Noise to environment (LwA)		107 dB(A)		107 dB(A)	
Vibration on hands/arms		< 2.5 m/s		< 8.2 ft/s	
Miscellaneous					
Safety cab homologation		Cab ROPS - FOPS Level 2		Cab ROPS - FOPS Level 2	
Controls		JSM		JSM	
Attachment recognition system (E-Reco)		Standard		Standard	

Dimensional drawing

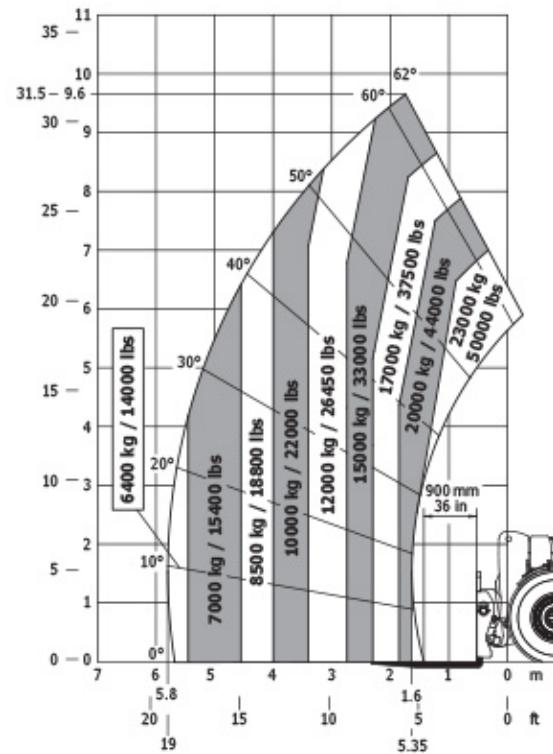


Load chart

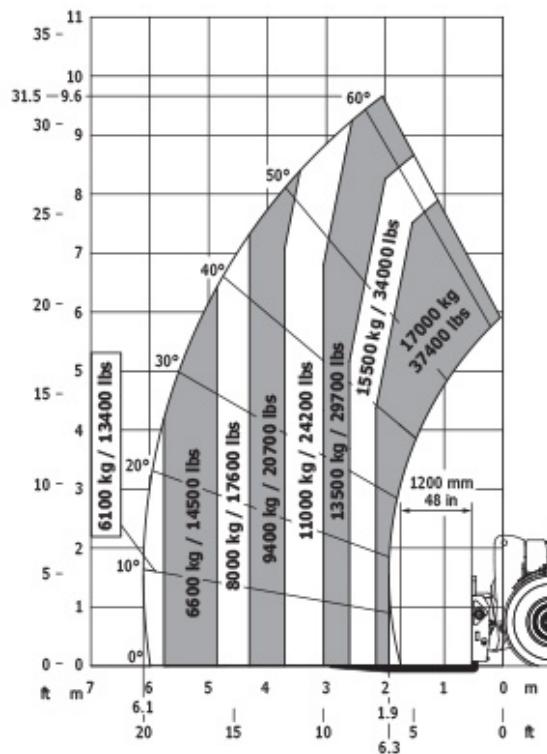
Machine on tyres with forks LC 900 mm Metric



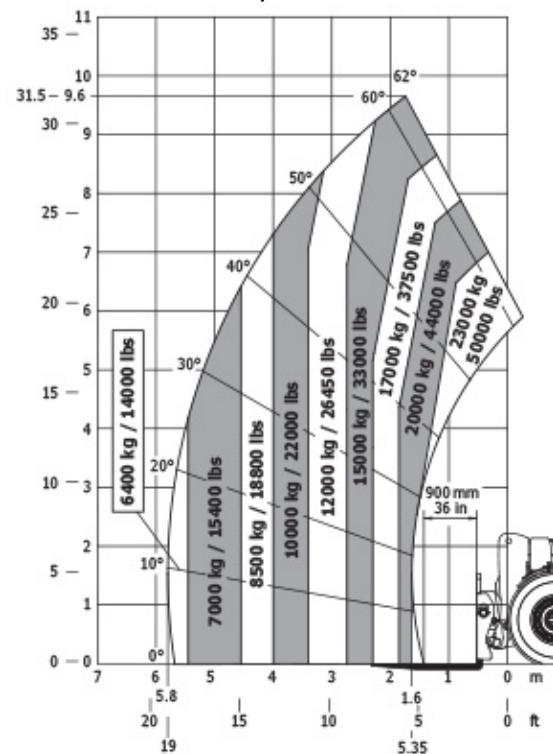
Machine on tyres with forks LC 900 mm Imperial



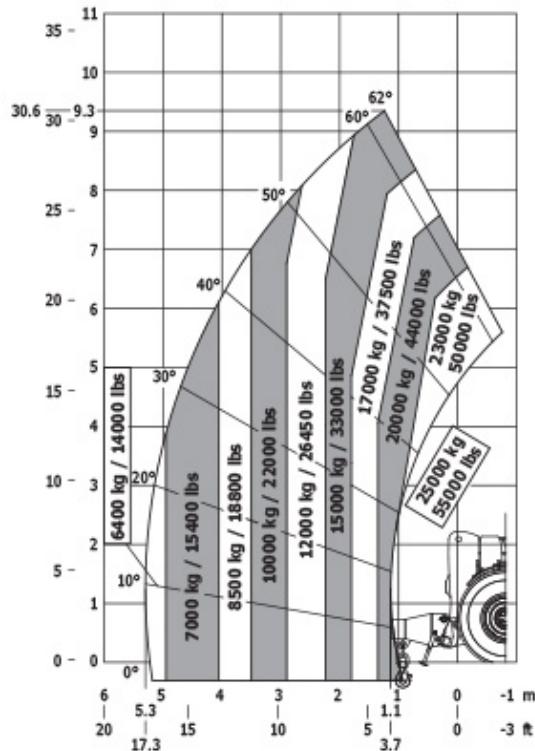
Machine on tyres with forks LC 1200 mm Metric



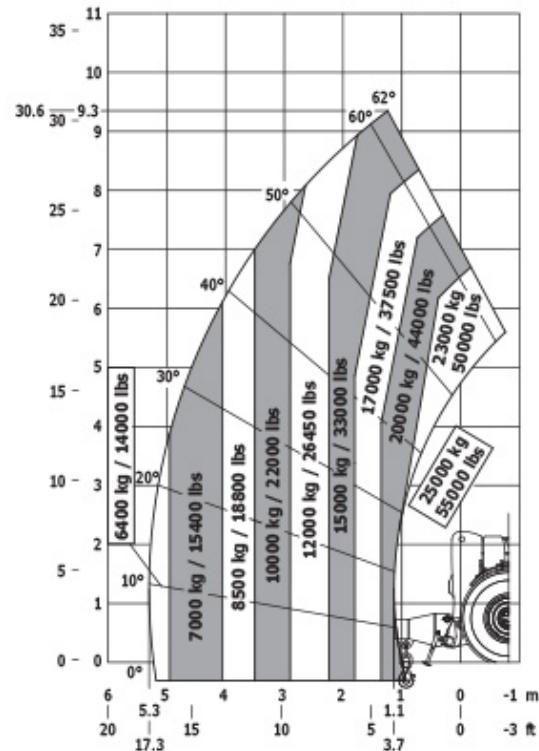
Machine on tyres with forks LC 1200 mm Imperial

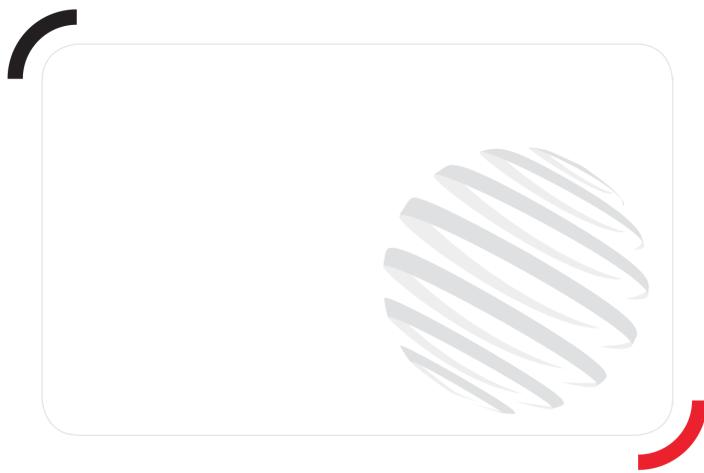


Machine on tyres with jib Metric



Machine on tyres with jib Imperial





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