

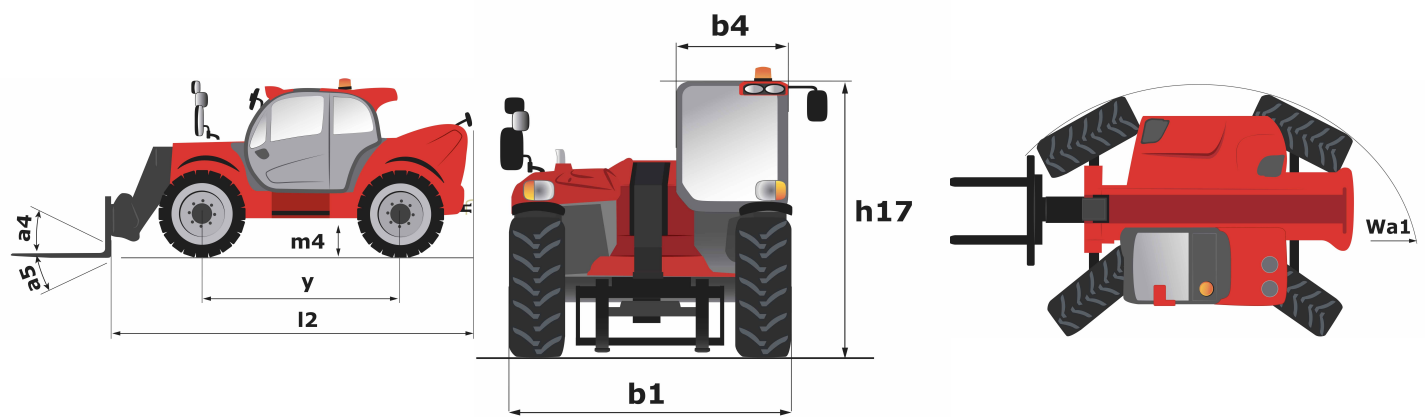
Technical sheet :

MHT 10180



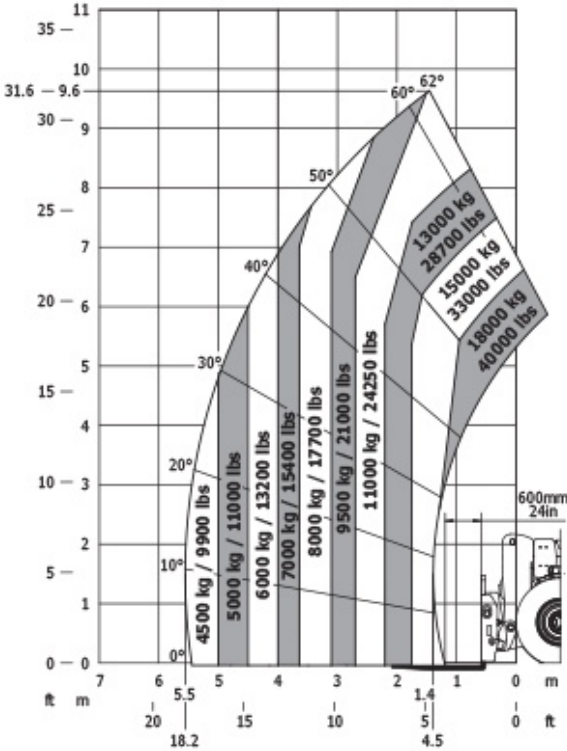
Capacities		Metric	Imperial
Max. capacity	Q	18000 kg	39683 lbs
Load centre of gravity	c	600 mm	23.622 in
Max. lifting height	h3	9.63 m	31 ft 7 in
Max. Reach	l4	5.56 m	18 ft 3 in
Weight and dimensions			
Unladen weight (with forks)		24000 kg	52911 lbs
Ground clearance	m4	0.44 m	1 ft 5 in
Wheelbase	y	3.75 mm	0.148 in
Length to face of forks	l2	6.65 m	21 ft 10 in
Overall width	b1	2.52 m	8 ft 3 in
Overall height	h17	3 m	9 ft 10 in
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	5.5 m	18 ft 1 in
Outer turning radius (with forks)	b15	6.15 m	20 ft 2 in
Forks length / width / section	l / e / s	1200 mm x 200 mm x 80 mm	47.244 in x 7.874 in x 3.15 in
Frame levelling corrector	a9	10 °	10 °
tires			
Standard tyres		Goodyear - EV-3 - 16 R25	Goodyear - EV-3 - 16 R25
Number of rear wheels		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)		15970 daN	15970 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		37 %	37 %
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

Dimensional drawing

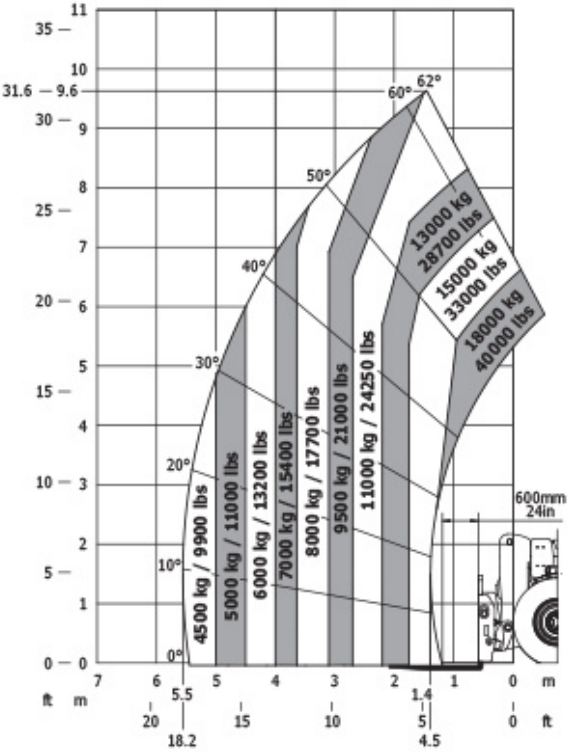


Load chart

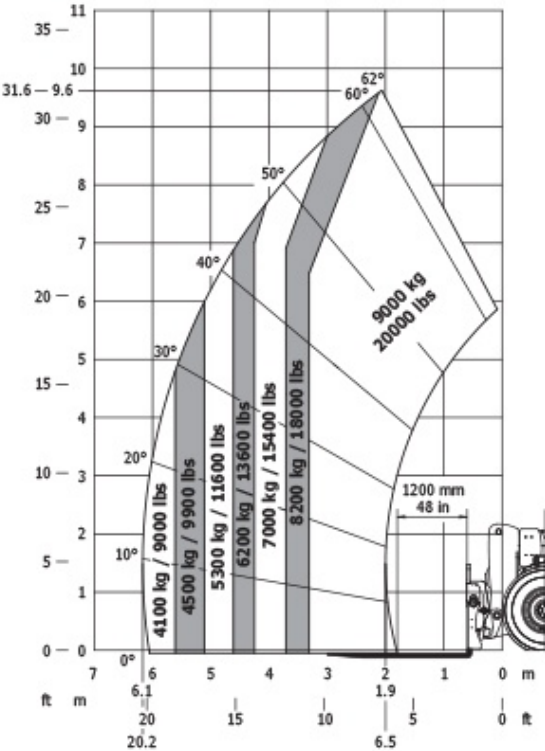
Machine on tyres with forks LC 600 mm Metric



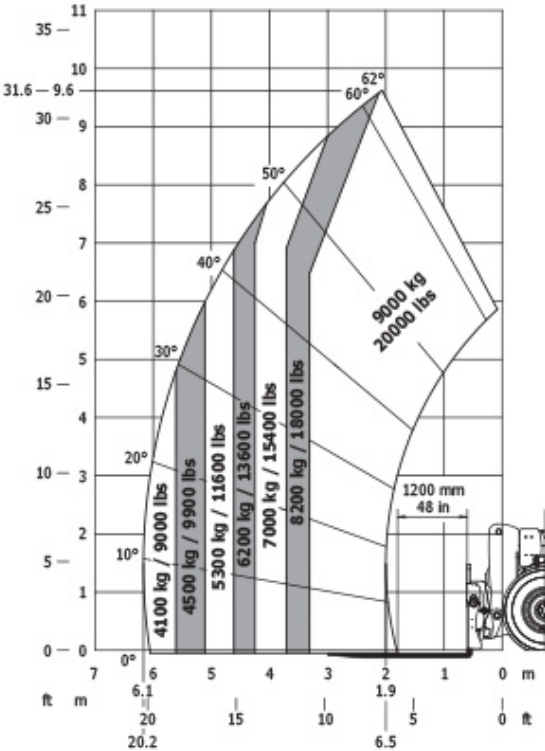
Machine on tyres with forks LC 600 mm (Imperial)



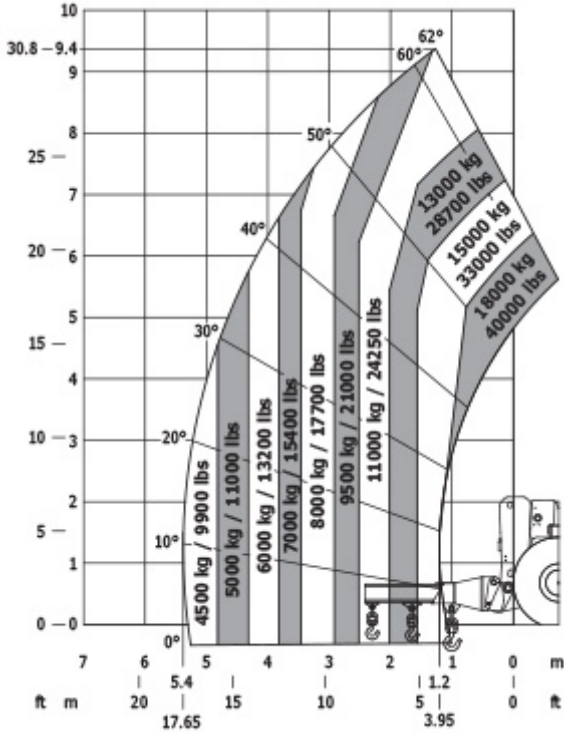
Machine on tyres with forks LC 1200 mm Metric



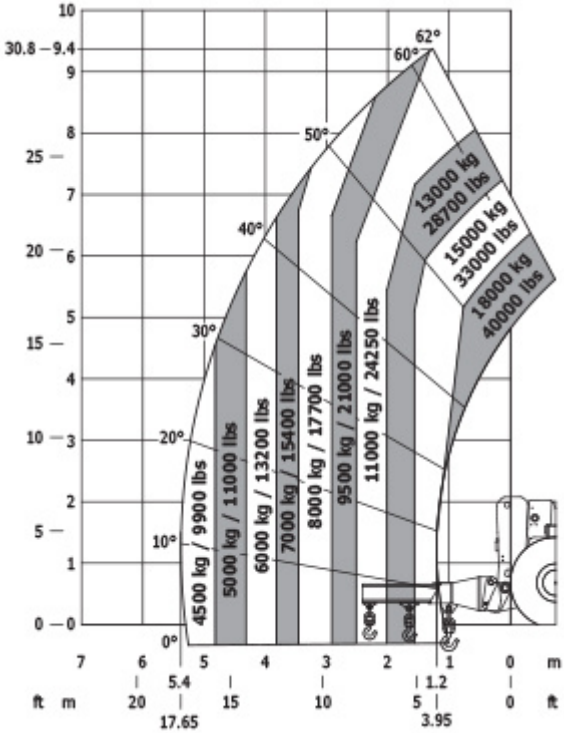
Machine on tyres with forks LC 1200 mm Imperial

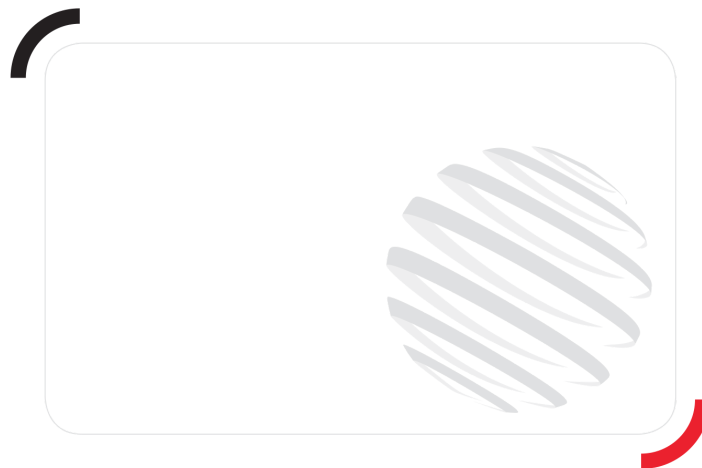


Machine on tyres with jib Metric



Machine on tyres with jib Imperial





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