Technical sheet:

# **MHT 10180**

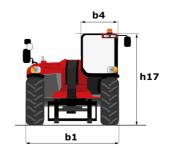


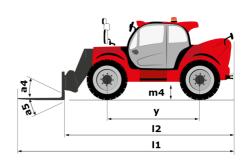


		MHT 10180	Created on April 26, 2024 at 7:08:09 PM
Capacities		Metric	Imperial
Max. capacity		18000 kg	39683 lb
Load center of gravity	C	600 mm	24 in
Max. lifting height		9.63 m	31 ft 7 in
Max. outreach		5.56 m	18 ft 3 in
Weight and dimensions			
Overall length	l1	6.65 m	21 ft 10 in
Jnladen weight (with forks)	"	24000 kg	52911 lb
Ground clearance	m4	0.44 m	1 ft 5 in
Wheelbase		3.75 m	12 ft 4 in
Length to face of forks	y 12	6.65 m	21 ft 10 in
•	b1		
Overall width		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
Filt-down angle	a5	105 °	105°
Filt-up angle	a4	12 °	12 °
External turning radius (over tyres)	Wa1	5.50 m	18 ft 1 in
Outer turning radius (with forks)	b15	6.15 m	20 ft 2 in
Forks length / width / section	I / e / s	1200 mm x 200 mm / 80 mm	47 in x 8 in / 3 in
Frame leveling corrector	a9	10 °	10 °
Wheels			
Standard tires		Aeolus - 16.00 R25 Ain 46	Aeolus - 16.00 R25 Ain 46
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 cm <sup>3</sup>	4 - 311 in³
.C. Engine power rating / Power		176 Hp / 129 kW	176 Hp / 129 kW
Max. torque / Engine rotation		750 Nm@1600 rpm	553 ft/lbs@1600 rpm
Engine cooling system		Water	Water
Number of batteries		2	2
			12 V
Battery voltage		12 V	
Drawbar pull		15970 daN	15970 daN
Transmission			
Fransmission type		Hydrostatic	Hydrostatic
Number of gears (forward / reverse)		2/2	2/2
Max. travel speed		25 km/h	16 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 I/min - 350 bar	54 US gpm - 5076 PSI
Fank capacities			
Engine oil		21 l	6 US gal
Hydraulic oil		290 I	77 US gal
Fuel tank		315	83 US gal
Diesel Exhaust fluid (AdBlue® type)		63 I	17 US gal
Noise and vibration			
Noise at driving position (LpA)		80 dB	80 dB
Noise to environment (LwA)		107 dB	107 dB
/ibration on hands/arms		< 2.50 m/s <sup>2</sup>	
		< 2.50 III/S*	< 2.50 m/s²
Miscellaneous		ROPS - FOPS level 2 cab	DODG FORGLAND AND
Safety cab homologation			ROPS - FOPS level 2 cab
Controls		JSM	JSM

## MHT 10180 - Dimensional drawing

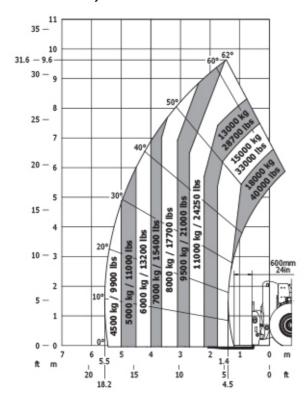




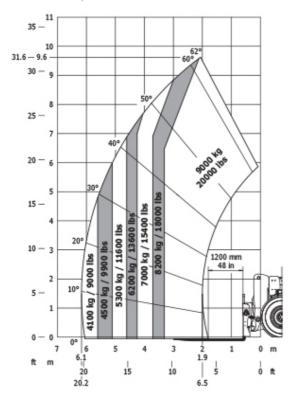


#### MHT 10180 - Load chart

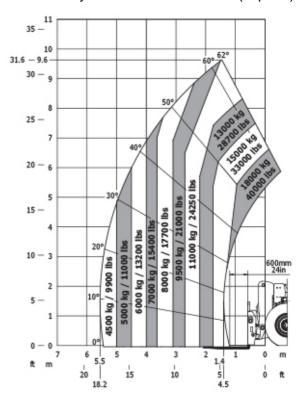
#### Machine on tyres with forks LC 600 mm Metric



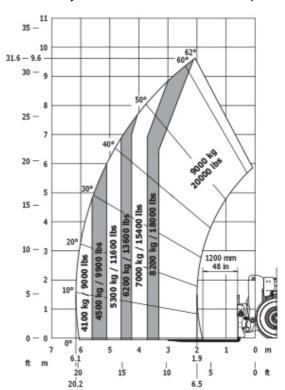
#### Machine on tyres with forks LC 1200 mm Metric



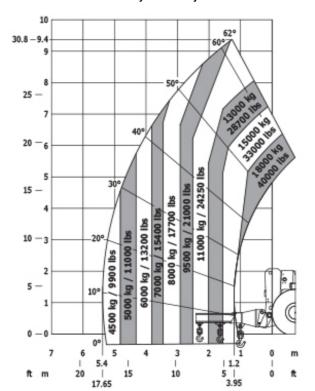
#### Machine on tyres with forks LC 600 mm (Imperial)



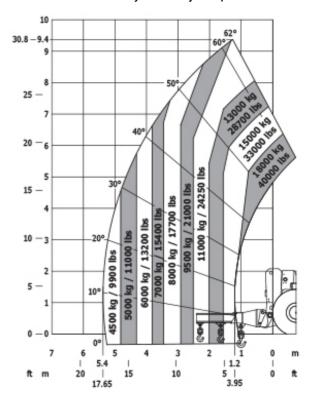
#### Machine on tyres with forks LC 1200 mm Imperial



### Machine on tyres with jib Metric



#### Machine on tyres with jib Imperial







#### **Head Office**

B.P. 249 - 430 rue de l'Aubinière 44150 Ancenis Cedex - France Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97 www.manitou.com



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