

Technical sheet :

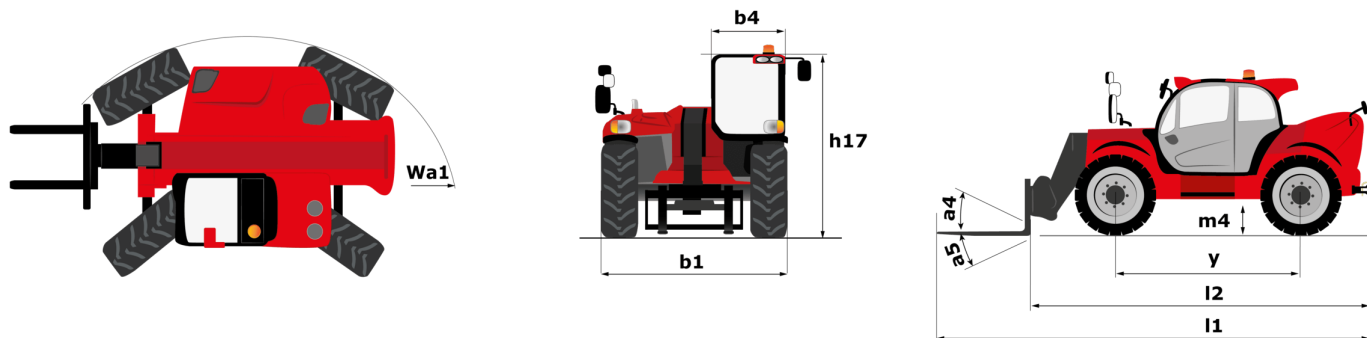
MHT 790



 **MANITOU**
HANDLING YOUR WORLD

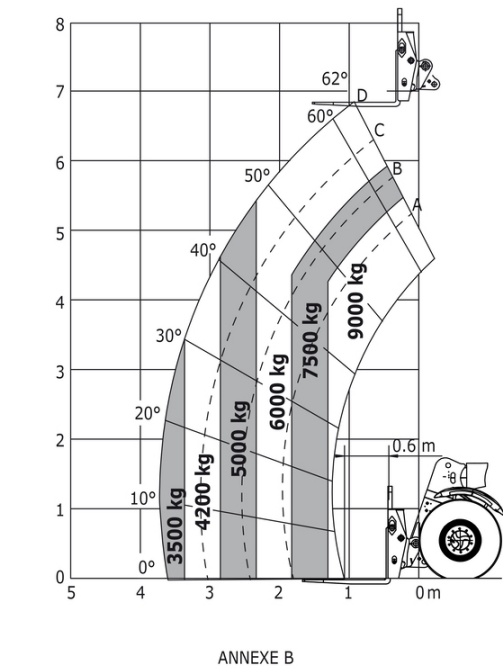
Capacities		Metric	Imperial
Max. capacity		9000 kg	19842 lb
Load center of gravity	c	600 mm	24 in
Max. lifting height		6.84 m	22 ft 5 in
Maximum outreach		3.72 m	12 ft 2 in
Weight and dimensions			
Overall length	l1	5.27 m	17 ft 4 in
Unladen weight (with forks)		13160 kg	29013 lb
Ground clearance	m4	0.40 m	1 ft 4 in
Wheelbase	y	2.87 m	9 ft 5 in
Length to face of forks	l2	5.27 m	17 ft 3 in
Overall width	b1	2.47 m	8 ft 1 in
Overall height	h17	2.47 m	8 ft 1 in
Overall cab width	b4	0.93 m	3 ft 1 in
Tilt-up angle	a4	12 °	12 °
Tilt-down angle	a5	125 °	125 °
External turning radius (over tyres)	Wa1	4.88 m	16 ft
Outer turning radius (with forks)	b15	5.59 m	18 ft 4 in
Forks length / width / section	l / e / s	1200 mm x 200 mm x 60 mm	47 in x 8 in x 2 in
Wheels			
Standard tires		Aeolus - TLAG P23 - 445/65 R22,5	Aeolus - TLAG P23 - 445/65 R22,5
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		John Deere	John Deere
Engine norm		Stage IV, Tier 4 final	Stage IV, Tier 4 final
Engine model		4045PWL	4045PWL
Number of cylinders / Capacity of cylinders		4 - 4500 cm³	4 - 275 in³
I.C. Engine power rating / Power		141 Hp / 104 kW	141 Hp / 104 kW
Max. torque / Engine rotation		534 Nm@1500 rpm	394 ft/lbs@1500 rpm
Engine cooling system		Water	Water
Battery voltage		12 V	12 V
Drawbar pull		10905 daN	10905 daN
Transmission			
Transmission type		Hydrostatic	Hydrostatic
Number of gears (forward / reverse)		2 / 2	2 / 2
Max. travel speed		30 km/h	19 mph
Parking brake		Automatic Negative Hand-brake	Automatic Negative Hand-brake
Service brake		Oil bath	Oil bath
Gradeability (laden / unladen)		37.40 % / 48.10 %	37.40 % / 48.10 %
Hydraulics			
Hydraulic pump type		Variable displacement pump	Variable displacement pump
Hydraulic flow - Pressure		180 l/min - 270 bar	48 US gpm - 3916 PSI
Tank capacities			
Engine oil		13 l	3 US gal
Fuel tank		147 l	39 US gal
Diesel Exhaust fluid (AdBlue® type)		12 l	3 US gal
Noise and vibration			
Noise to environment (LwA)		103 dB	103 dB
Vibration on hands/arms		< 2.50 m/s²	< 2.50 m/s²
Miscellaneous			
Cab certification		Cabin ROPS - FOPS level 2	Cabin ROPS - FOPS level 2
Controls		JSM	JSM

MHT 790 - Dimensional drawing

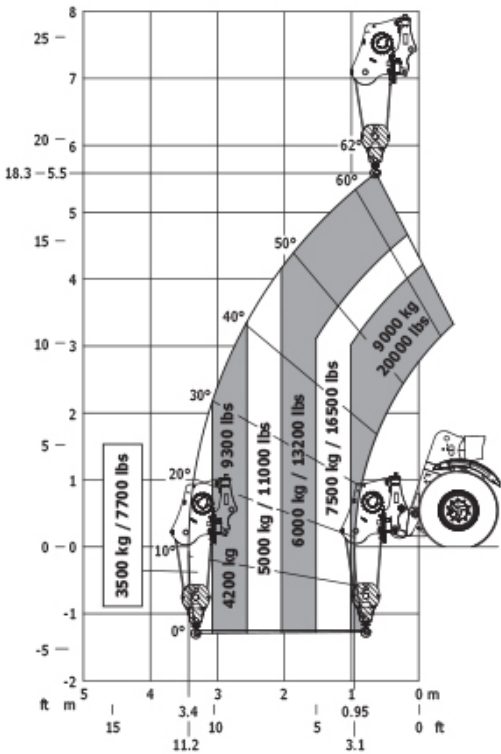


MHT 790 - Load chart

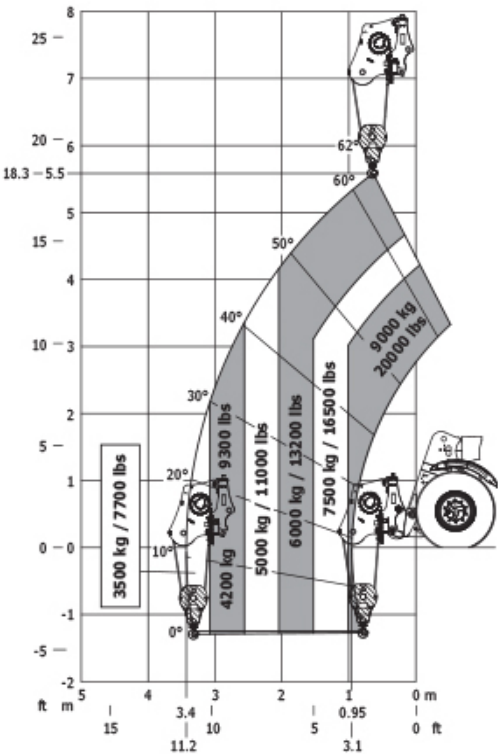
Machine on tires with forks LC 600 mm Metric



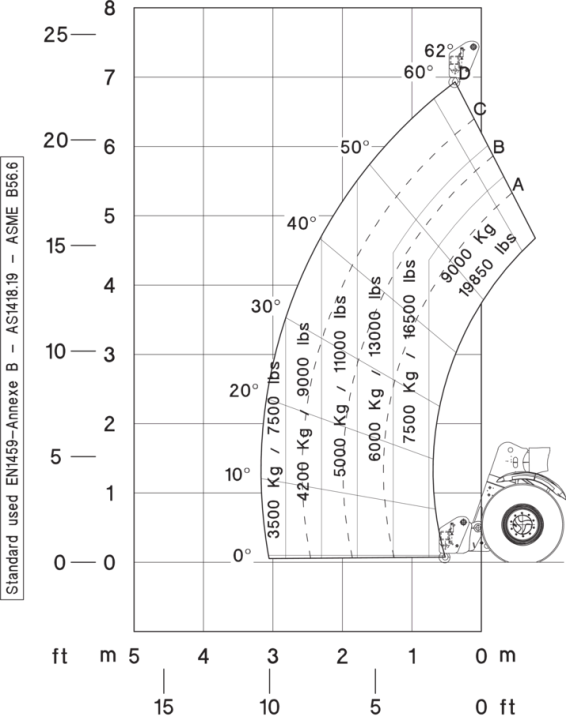
Machine on tires with winch 9000 kg (Imperial)



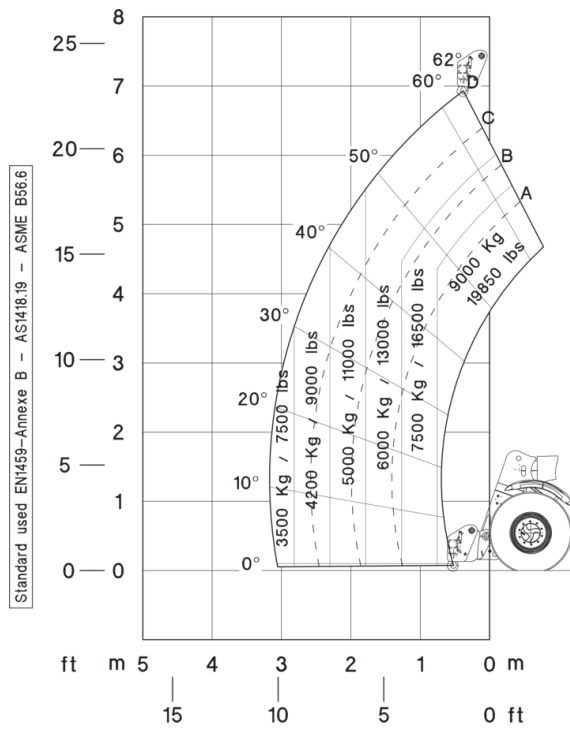
Machine on tires with winch 9000 kg (Metric)



Machine on tires with jib Imperial



Machine on tires with jib Metric





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