Technical sheet :

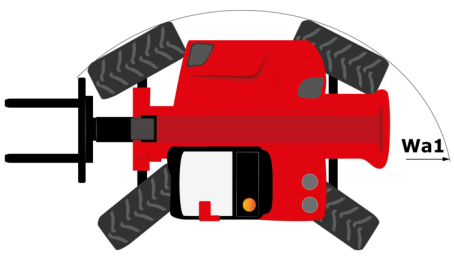
MHT 10160 ST5

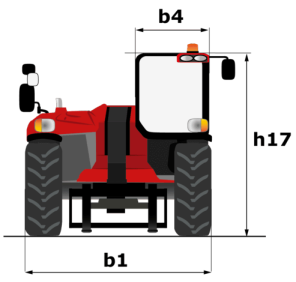


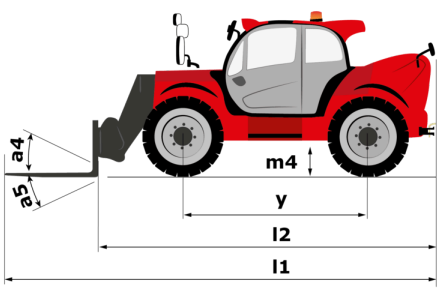
MANITOU
HANDLING YOUR WORLD

Capacities		Imperial
Max. capacity	Q	35274 lb
Load center of gravity	c	24 in
Max. lifting height		31 ft 6 in
Max. outreach		17 ft 1 in
Weight and dimensions		
Overall length	l1	24 ft 1 in
Unladen weight (with forks)		45658 lb
Ground clearance	m4	1 ft 5 in
Wheelbase	y	11 ft 1 in
Length to face of forks	l2	20 ft 2 in
Overall width	b1	8 ft 2 in
Overall height	h17	9 ft 10 in
Overall cab width	b4	3 ft 1 in
Tilt-up angle	a4	12 °
Tilt-down angle	a5	104 °
External turning radius (over tyres)	Wa1	17 ft 1 in
Forks length / width / section	l / e / s	47 in x 7 in x 3 in
Frame leveling corrector	a9	9 °
Wheels		
Standard tires		17,5-R25
Number of front wheels / rear wheels		2 / 2
Drive wheels (front / rear)		2 / 2
Steering mode		2 wheel steer, 4 wheel steer, Crab mode
Engine		
Engine brand		Yanmar
Engine norm		Stage V, Tier 4
Engine model		4TN107FTT-6SMU1
Number of cylinders / Capacity of cylinders		4 - 279 in³
Engine power (Hp / kW)		173 Hp / 127 kW
Max. torque / Engine rotation		594 ft/lbs@1500 rpm
Engine cooling system		Water
Number of batteries		2
Battery voltage		12 V
Drawbar pull		11770 daN
Transmission		
Transmission type		Hydrostatic
Number of gears (forward / reverse)		2 / 2
Max. travel speed		19 mph
Parking brake		Automatic negative parking brake
Service brake		Oil-immersed multi-discs braking on front & rear axles
Gradeability (laden / unladen)		32.40 % / 55.40 %
Hydraulics		
Hydraulic pump type		Variable displacement pump
Hydraulic flow - Pressure		45 US gpm - 5076 PSI
Tank capacities		
Engine oil		3 US gal
Hydraulic oil		77 US gal
Fuel tank capacity		83 US gal
Diesel Exhaust fluid (AdBlue® type) tank capacity		6 US gal
Noise and vibration		
Noise to environment (LwA)		108 dB
Vibration on hands/arms		< 8 ft/s²
Miscellaneous		
Cab certification		Cabin ROPS - FOPS level 2
Controls		JSM
Attachment recognition system (E-Reco)		Standard

MHT 10160 ST5 - Dimensional drawing

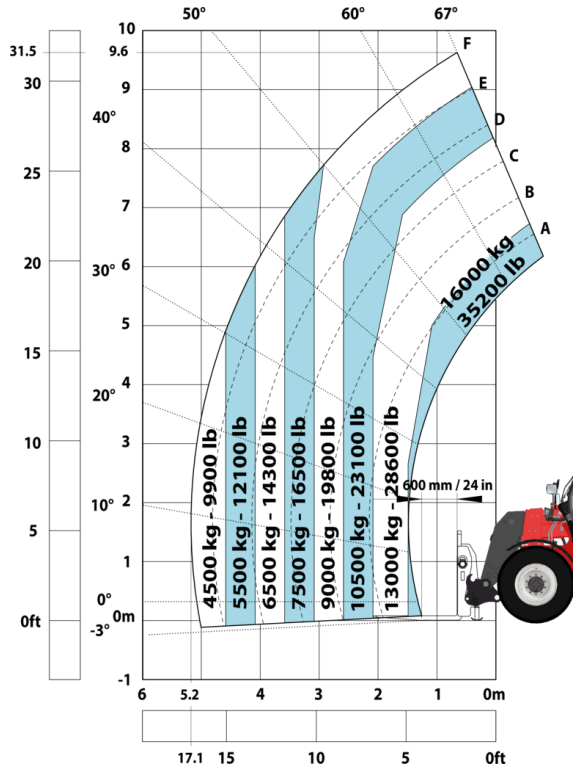




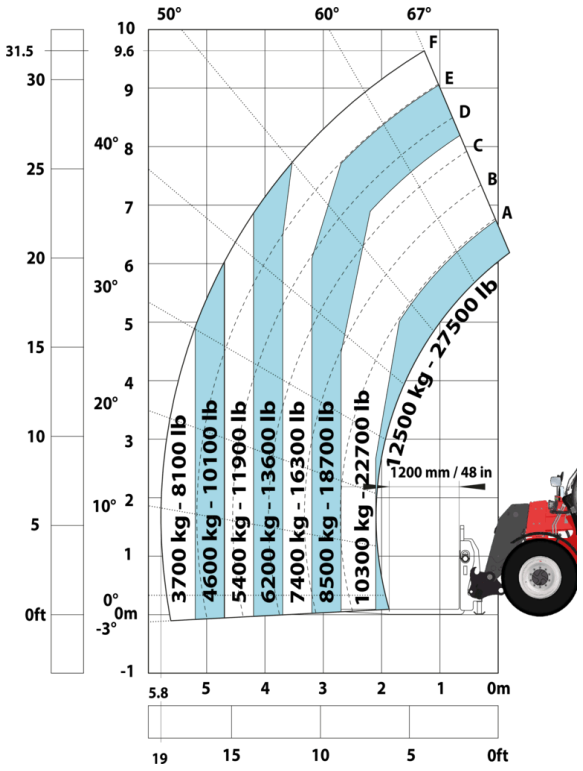


MHT 10160 ST5 - Load chart

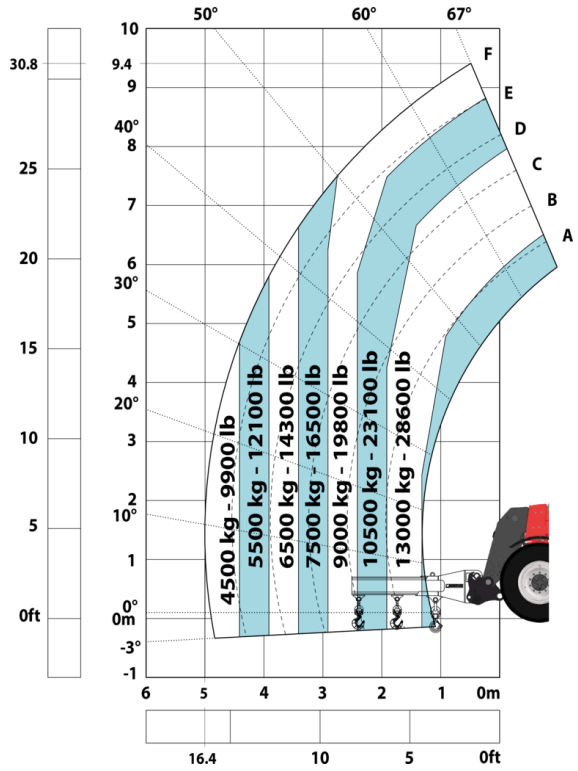
Machine on tires with forks LC 600 mm (Imperial)



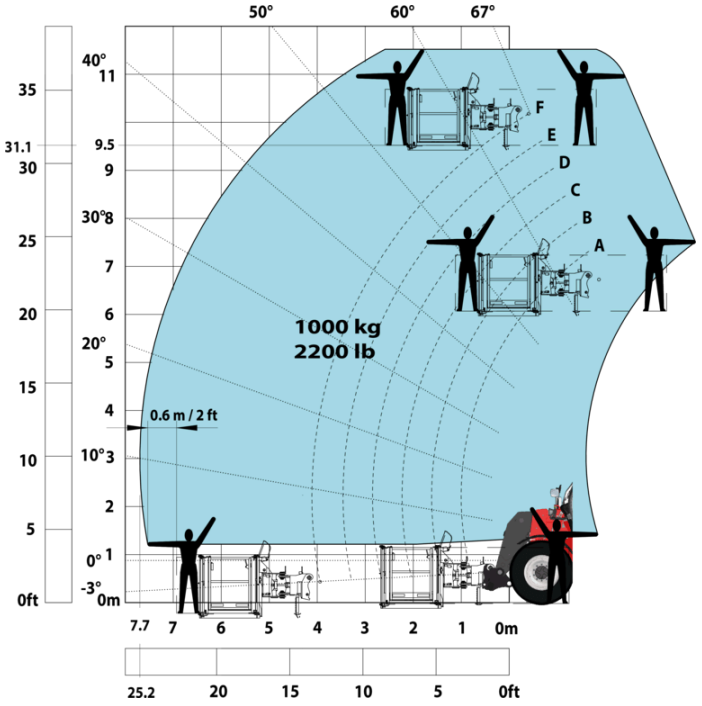
Machine on tires with forks LC 1200 mm Imperial



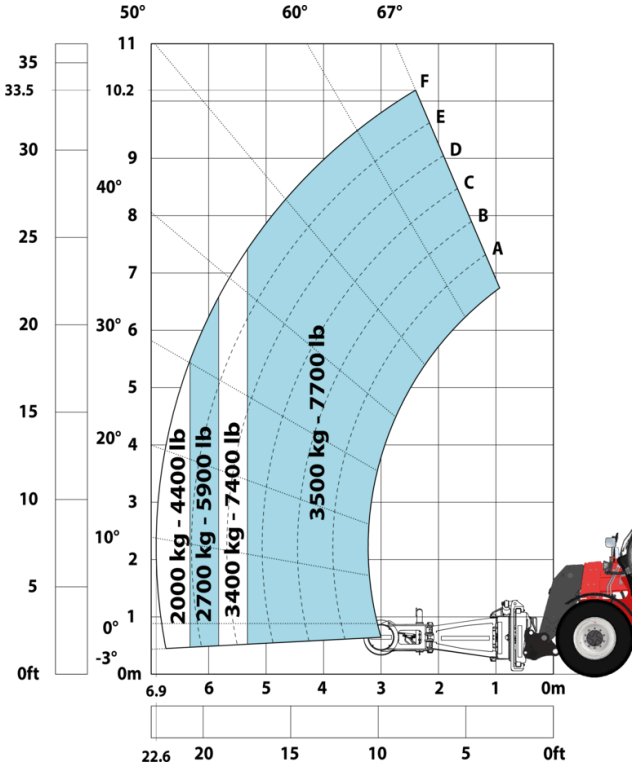
Machine on tires with 3-hook jib 16000 kg (Imperial)



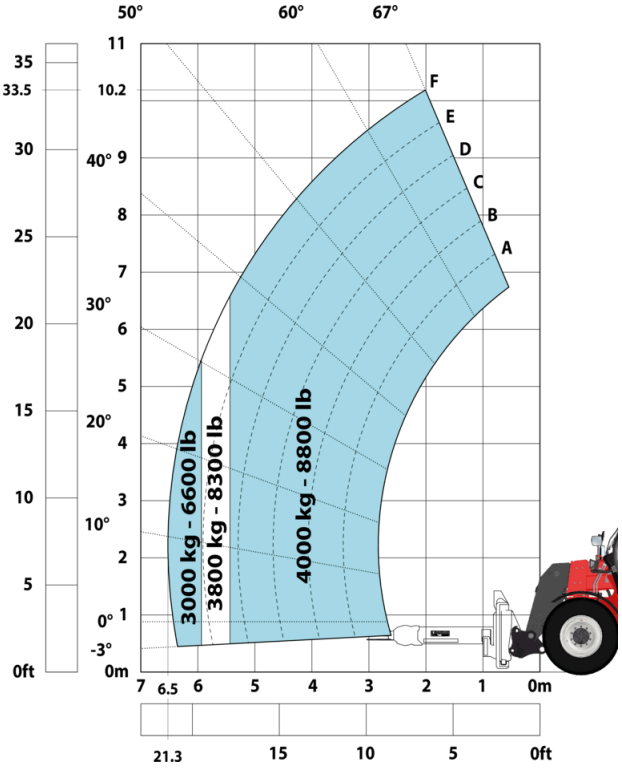
Machine on tires with platform Imperial



Machine on tires with tire handler TH 51 (Imperial)



Machine on tires with cylinder handler CH 4 (Imperial)



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