Technical sheet :

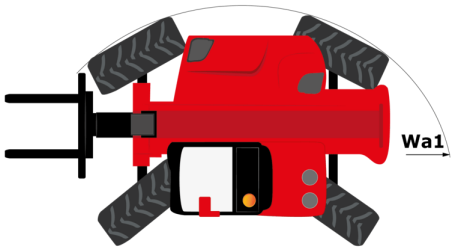
MHT 790 ST5

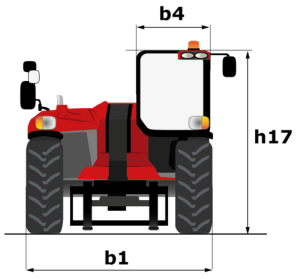


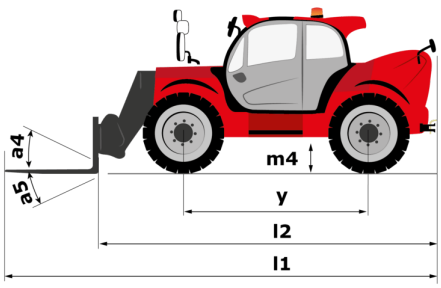
MANITOU
HANDLING YOUR WORLD

Capacities		Imperial
Max. capacity		19842 lb
Load center of gravity	c	24 in
Max. lifting height		22 ft 4 in
Maximum outreach		12 ft 2 in
Weight and dimensions		
Overall length	l1	21 ft
Unladen weight (with forks)		29586 lb
Ground clearance	m4	1 ft 5 in
Wheelbase	y	9 ft 5 in
Length to face of forks	l2	17 ft 1 in
Overall width	b1	8 ft 1 in
Overall height	h17	8 ft 4 in
Overall cab width	b4	3 ft 1 in
Tilt-up angle	a4	15 °
Tilt-down angle	a5	109 °
External turning radius (over tyres)	Wa1	15 ft 6 in
Forks length / width / section	l / e / s	47 in x 8 in x 2 in
Wheels		
Standard tires		445/65 R22,5
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		4TN107FHT-5SMUF
Number of cylinders / Capacity of cylinders		4 - 279 in³
Engine power (Hp / kW)		143 Hp / 105 kW
Max. torque / Engine rotation		444 ft/lbs@1500 rpm
Engine cooling system		Water cooled
Drawbar pull		10050 daN
Transmission		
Transmission type		Hydrostatic
Number of gears (forward / reverse)		2 / 2
Max. travel speed		22 mph
Parking brake		Automatic negative parking brake
Service brake		Oil-immersed multi-discs braking on front & rear axles
Gradeability (laden / unladen)		48.10 % / 37.40 %
Hydraulics		
Hydraulic pump type		Variable displacement pump
Hydraulic flow - Pressure		49 US gpm - 3916 PSI
Tank capacities		
Engine oil		3 US gal
Hydraulic oil		40 US gal
Fuel		44 US gal
Diesel Exhaust fluid (AdBlue® type)		5 US gal
Noise and vibration		
Noise to environment (LwA)		107 dB
Vibration on hands/arms		< 8 ft/s²
Noise at driving position (LpA) tested following NF EN 12053 norm		75 dB
Miscellaneous		
Cab certification		Cabin ROPS - FOPS level 2
Controls		JSM

MHT 790 ST5 - Dimensional drawing

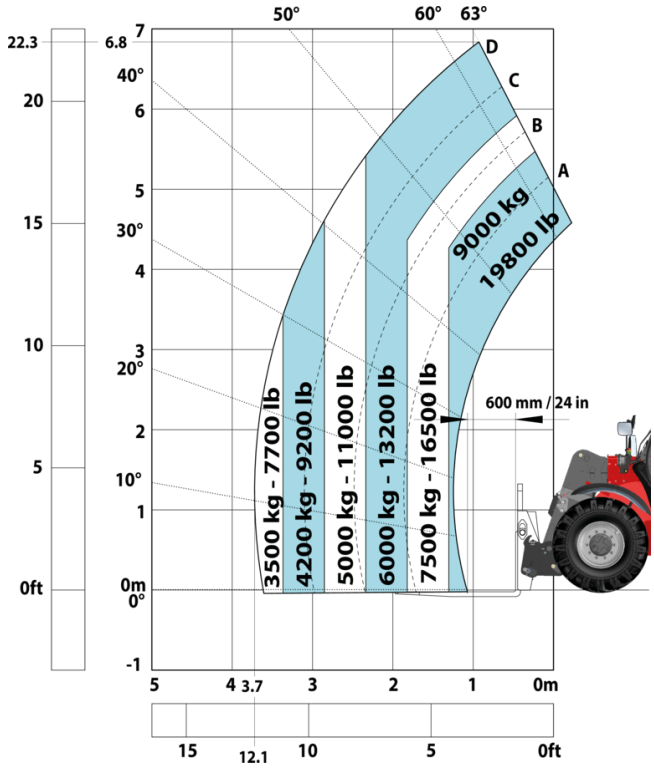




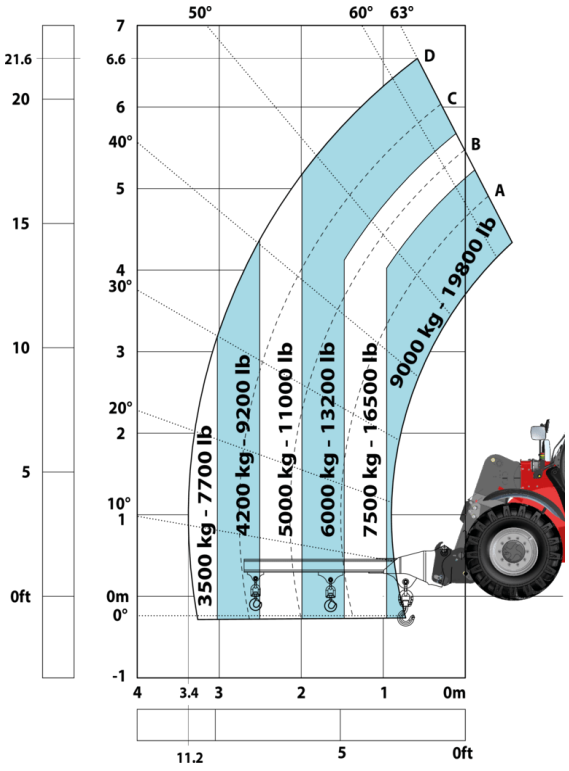


MHT 790 ST5 - Load chart

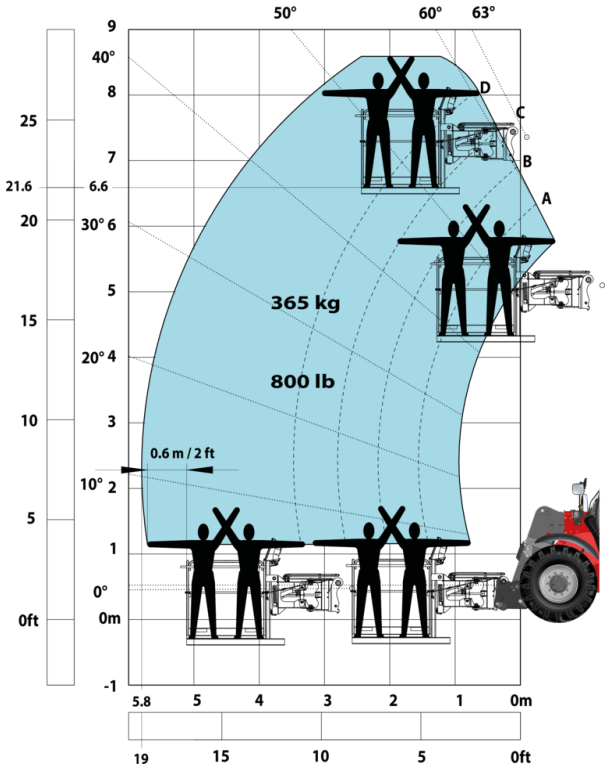
Machine on tires with forks LC 600 mm (Imperial)



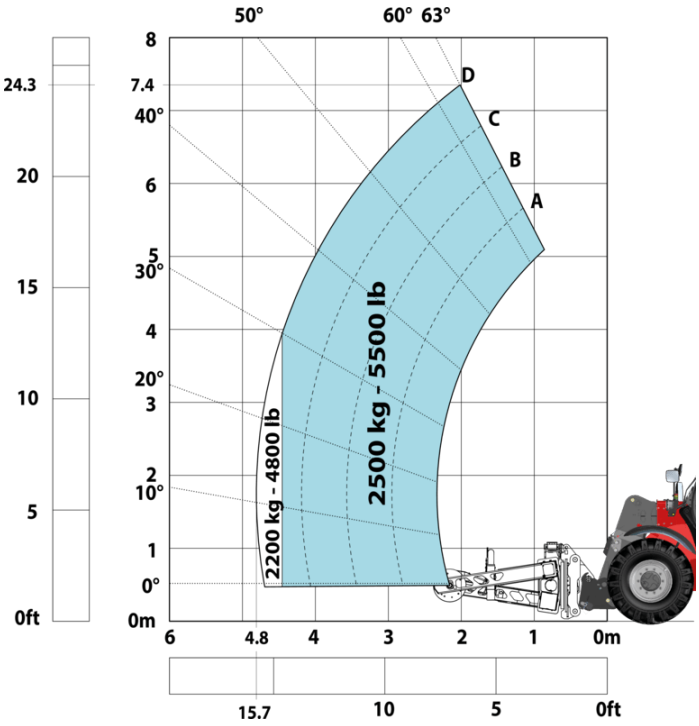
Machine on tires with 3-hook jib 9000 kg (Imperial)



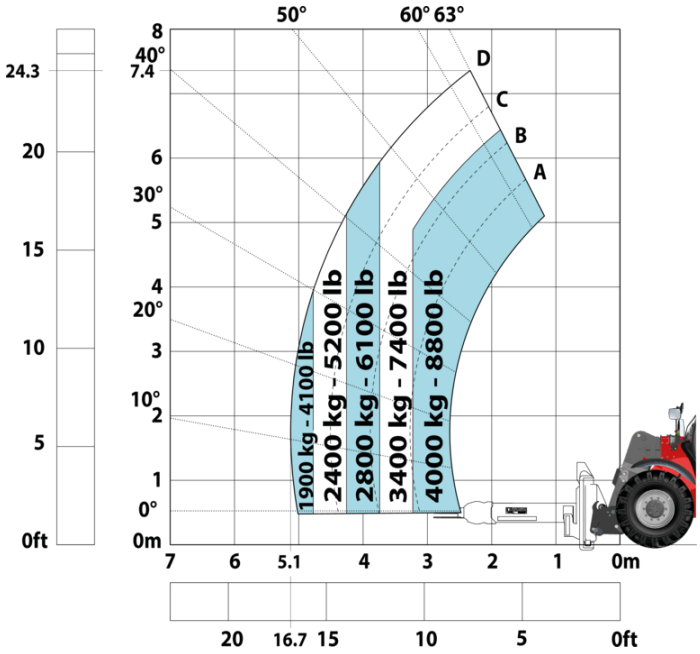
Machine on tires with platform Imperial



Machine on tires with tire handler TH 49 (Imperial)



Machine on tires with cylinder handler CH 4 (Imperial)



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