Technical sheet :

MLT 841-145 PS+

MANITOU
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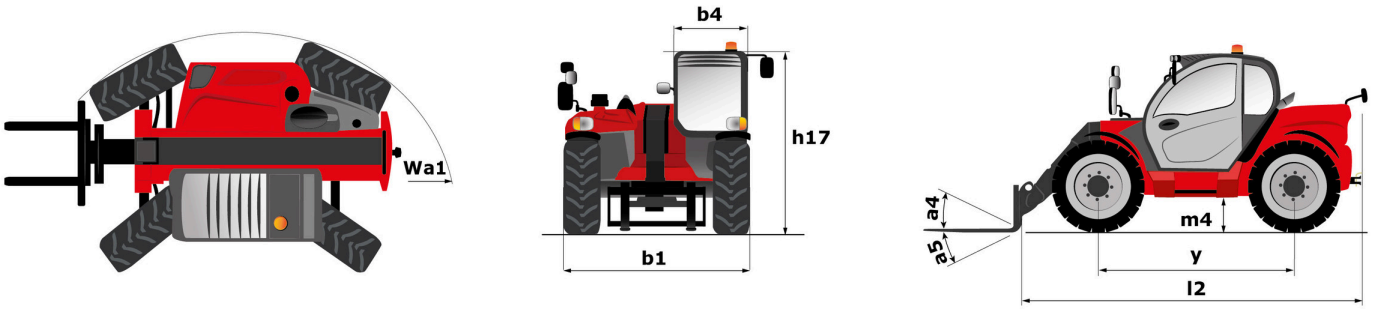
Capacities		Imperial
Max. capacity	Q	9039 lb
Max. lifting height		24 ft 11 in
Max. outreach		14 ft 7 in
Reach at max. height		2 ft 11 in
Breakout force with bucket		5268 daN
Weight and dimensions		
Unladen weight (with forks)		20194 lb
Ground clearance	m4	1 ft 5 in
Wheelbase	y	9 ft 5 in
Overall length to carriage (with hitch)	l11	17 ft 9 in
Overall length to carriage (without hitch)	l3	17 ft 2 in
Front overhang		4 ft 11 in
Overall width	b1	7 ft 10 in
Overall cab width	b4	3 ft 3 in
Overall height	h17	7 ft 11 in
Tilt-down angle	a5	135 °
Tilt-up angle	a4	12 °
External turning radius (over tyres)	Wa1	12 ft 3 in
Standard tires		Michelin - XMCL - 460/70 R24 159A8
Drive wheels (front / rear)		2 / 2
Steering mode		Manicrab, 2 wheel steer, 4 wheel steer, Crab mode
Performances		
Lifting		6.40 s
Lowering		4.60 s
Extension		6.10 s
Retraction		5.20 s
Crowd		3 s
Dump		2.20 s
Engine		
Engine brand		Yanmar
Engine norm		Stage V / Tier 4 Final
Engine model		4TN107FHT-5SMUF
Number of cylinders - Capacity of cylinders		4 - 279 in³
Engine power (Hp / kW)		141 Hp / 105 kW
Max. torque / Engine rotation		444 ft/lbs @1500 rpm
Drawbar pull (Laden)		8727 daN
Reversible fan		Standard
Engine cooling system		4 radiators (water + intercooler + hydraulic oil + transmission oil)
Transmission		
Transmission type		Torque converter with powershift gearbox
Gearbox		M-Shift
Number of gears (forward / reverse)		5 / 3
Max. travel speed (may vary according to applicable regulations)		25 mph
Differential lock		Limited slip differential on front and rear axles
Parking brake		Automatic negative parking brake
Service brake		Oil-immersed multi-discs braking on front & rear axles
Hydraulics		
Hydraulic pump type		Variable displacement pump
Hydraulic flow - Pressure		53 US gpm - 3916 PSI
Flow sharing distributor		Standard
Tank capacities		
Hydraulic tank capacity		37 US gal
Fuel tank capacity		38 US gal
Diesel Exhaust fluid (AdBlue® type) tank capacity		6 US gal
Noise and vibration		
Noise at driving position (LpA) tested following NF EN 12053 norm		69 dB
Noise to environment (LwA)		105 dB
Vibration on hands/arms		< 8 ft/s²
Miscellaneous		
Tractor homologation		Tractor homologation
Cab certification		Cabin ROPS - FOPS level 2
Controls		JSM

Optional tires tab

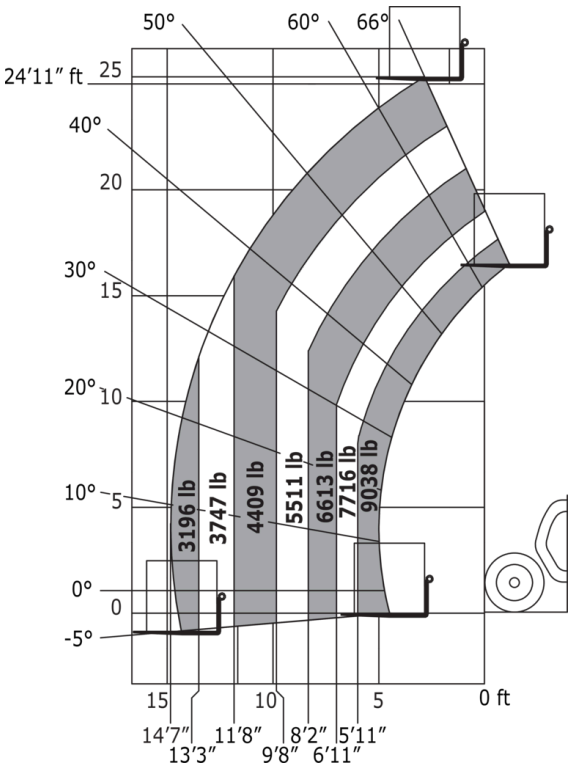
	Overall height	Overall width
ALLIANCE - A580 - 460/70 R24 159A8	8 ft 4 in	7 ft 10 in
ALLIANCE - A585 - 460/70 R24 159A8	8 ft 4 in	7 ft 10 in
MICHELIN - BIBLOAD - 460/70 R24 159A8	8 ft 4 in	7 ft 10 in
MICHELIN - BIBLOAD - 500/70 R24 164A8	8 ft 4 in	7 ft 11 in
MICHELIN - XMCL - 460/70 R24 159A8	8 ft 4 in	7 ft 10 in
MICHELIN - XMCL - 500/70 R24 164A8	8 ft 5 in	8 ft
TRELLEBORG - TH400 - 460/70 R24 159A8	8 ft 3 in	7 ft 10 in
TRELLEBORG - TH400 - 500/70 R24 164A8	8 ft 4 in	7 ft 11 in
TRELLEBORG - TH500 - 460/70 R24 159A8	8 ft 4 in	7 ft 11 in
VREDESTEIN - ENDURION - 460/70 R24 159A8	8 ft 4 in	7 ft 11 in
VREDESTEIN - ENDURION - 500/70 R24 164A8	8 ft 5 in	8 ft

MLT 841-145 PS+ - Dimensional drawing

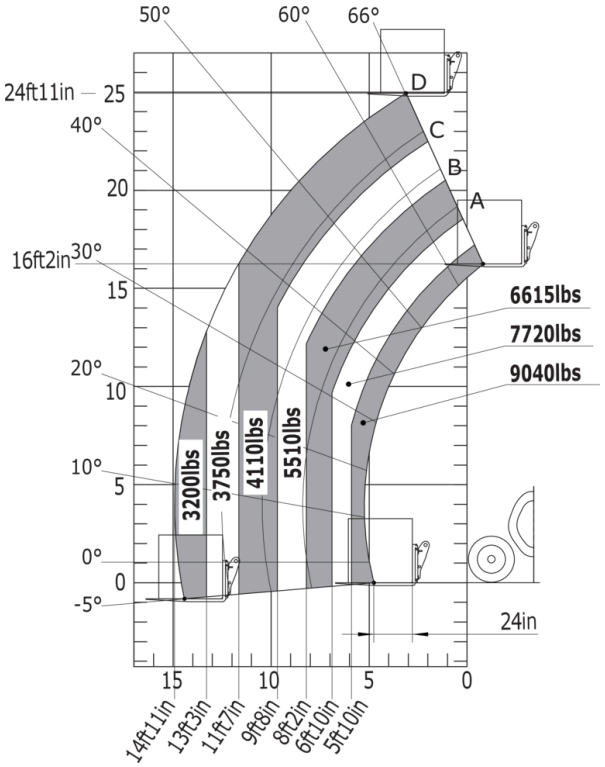


MLT 841-145 PS+ - Load chart

Machine on tires with forks Imperial



Machine on tires with forks LC 600 mm (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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