

Technical sheet :

# MLT 850-145 V+



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Capacities		Metric	
Max. capacity	Q	4998.58 kg	
Max. lifting height	h3	7.55 m	
Maximum outreach		4.60 m	
Reach at max. height		0.90 m	
Breakout force with bucket		8670 daN	
Weight and dimensions			
Unladen weight (with forks)		10780 kg	
Ground clearance	m4	0.45 m	
Wheelbase	y	2.94 m	
Overall length to carriage (with hitch)	l11	5.57 m	
Overall length to carriage (without hitch)	l3	5.54 m	
Front overhang		1.55 m	
Overall width	b1	2.49 m	
Overall cab width	b4	0.99 m	
Overall height	h17	2.58 m	
Tilt-down angle	a5	132 °	
Tilt-up angle	a4	12 °	
External turning radius (over tyres)	Wa1	4.04 m	
Standard tires		Alliance - A580 - 500/70 R24 164A8	
Drive wheels (front / rear)		2 / 2	
Steering mode		Manicrab, 2 wheel steer, 4 wheel steer, Crab mode	
Performances			
Lifting		6.60 s	
Lowering		4.90 s	
Extension		6.30 s	
Retraction		5.70 s	
Crowd		4.20 s	
Dump		3.10 s	
Engine			
Engine brand		Yanmar	
Engine norm		Stage V / Tier 4 Final	
Max. fuel sulphur content		1000 ppm	
Engine model		4TN107FHT-5SMUF	
Number of cylinders - Capacity of cylinders		4 - 4567 cm³	
Engine power (Hp / kW)		141 Hp / 105 kW	
Max. torque / Engine rotation		602 Nm @1500 rpm	
Drawbar pull (Laden)		9160 daN	
Reversible fan		Standard	
Engine cooling system		3 radiators water + intercooler + transmission oil	
Transmission			
Transmission type		Continuously variable transmission	
Gearbox		M-Vario Plus	
Max. travel speed (may vary according to applicable regulations)		40 km/h	
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		200 l/min - 270 bar	
Flow sharing distributor		Standard	
Tank capacities			
Hydraulic tank capacity		141 l	
Fuel		142 l	
Diesel Exhaust fluid (AdBlue® type)		21.50 l	
Consumption calculated according to EN 16796-4 standard		6.47 l/h	
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		2.50 m/s²	
Miscellaneous			
Tractor homologation		Tractor homologation	
Cab certification		Cabin ROPS - FOPS level 2	
Controls		JSM	

## Optional tires tab

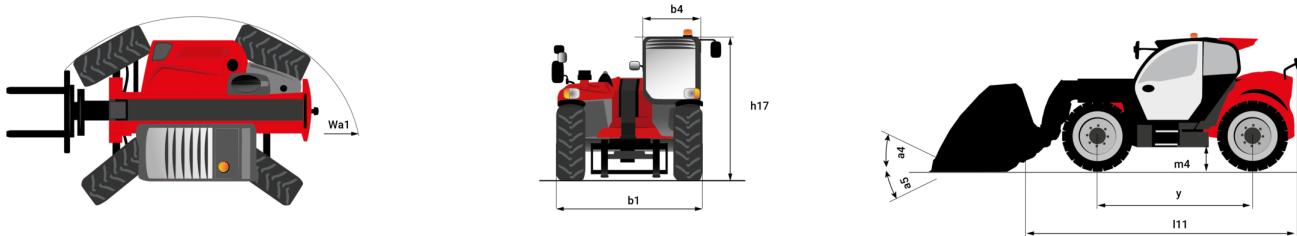
	Overall height	Overall width
ALLIANCE - A585 - 500/70 R24 164A8	-	-
MICHELIN - BIBLOAD - 500/70 R24 164A8	-	-
MICHELIN - XHA - 17.5 R25	-	-
MICHELIN - XMCL - 500/70 R24 164A8	-	-
NOKIAN - TRI STEEL - 500/70 R24 164A8	-	-
SOLIDEAL - SOLDAIR TLH - 14.00 R24	-	-
TRELLEBORG - TH400 - 500/70 R24 164A8	-	-
VREDESTEIN - ENDURION - 500/70 R24 164A8	-	-
VREDESTEIN - TRAXION - 500/70 R24 164A8	-	-

## Options / Finishing

S : Standard / O : Optional / - : Not available

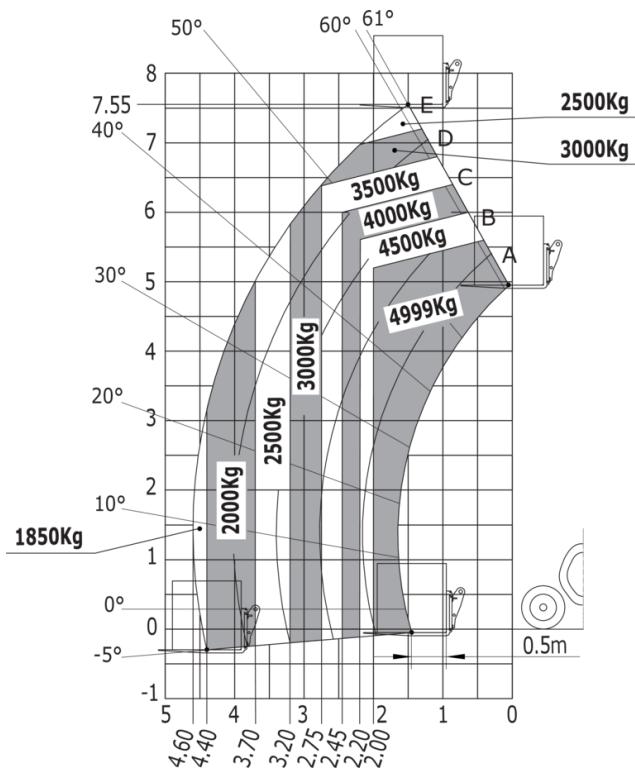
	Premium	Platinum
<b>Lifting function</b>		
Intelligent hydraulics	-	S
Regenerative Hydraulics	-	S
<b>Operator station</b>		
Adaptive air suspension seat	-	S
Comfort Steering System	-	S
HighView camera on boom head (telescopic part)	-	S
<b>Motorization/Power</b>		
Ecostop	-	S
Stop & Start	S	S
<b>Secondary functions</b>		
Automatic greasing system (AGS) - Chassis + boom	-	S

## MLT 850-145 V+ - Dimensional drawing

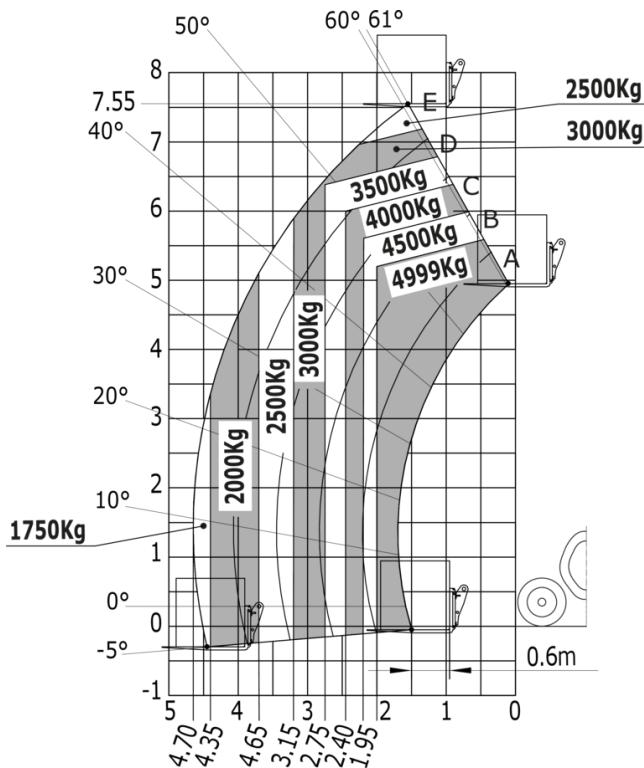


## MLT 850-145 V+ - Load chart

Machine on tires with forks Metric



Machine on tires with forks LC 600 mm Metric





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