

Technical sheet :

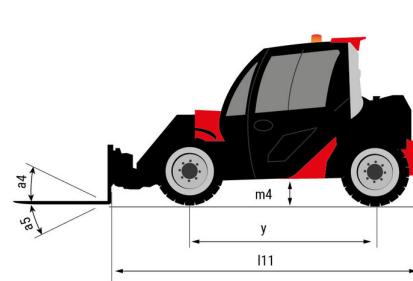
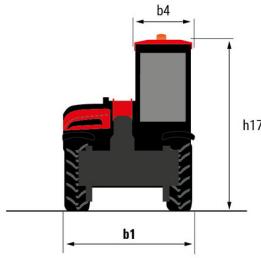
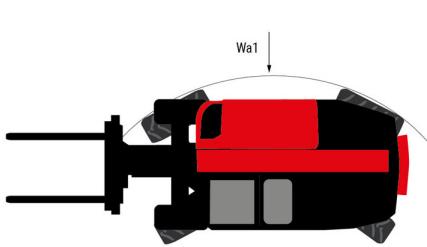
# ULM 415 H



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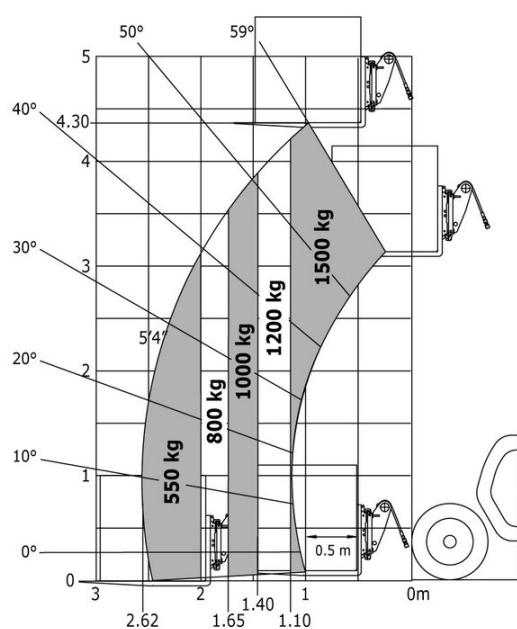
Capacities		Metric	
Max. capacity	Q	1500 kg	
Max. lifting height	h3	4.30 m	
Maximum outreach		2.62 m	
Reach at max. height		1 m	
Breakout force with bucket		1880 daN	
Weight and dimensions			
Shipping mass (min. / max.)		2700 kg / 2900 kg	
Ground clearance	m4	0.29 m	
Wheelbase	y	2.13 m	
Overall length to carriage (with hitch)	l11	3.47 m	
Overall length to carriage (without hitch)	l3	3.47 m	
Front overhang		0.77 m	
Overall width	b1	1.49 m	
Overall cab width	b4	0.66 m	
Overall height	h17	1.92 m	
Tilt-down angle	a5	116 °	
Tilt-up angle	a4	23 °	
External turning radius (over tyres)	Wa1	2.62 m	
Performances		CAMSO - MPT 552 - 10.0/75-15.3 124A8	
Lifting		8.80 s	
Lowering		7 s	
Extension		6.40 s	
Retraction		4.30 s	
Crowd		3.40 s	
Dump		2.60 s	
Engine			
Engine brand		Yanmar	
Engine norm		Stage V, Tier 4 final	
Engine model		3TNV88C-DMU	
Number of cylinders - Capacity of cylinders		3 - 1642 cm³	
Engine power (Hp / kW)		35.10 Hp / 26.20 kW	
Max. torque / Engine rotation		105 Nm @1950 rpm	
Drawbar pull (Laden)		2000 daN	
Reversible fan		Option	
Engine cooling system		3 radiators (water + hydraulic oil + fuel)	
HVO validated (according to EN 15940 standard)		Yes	
Transmission			
Transmission type		Hydrostatic	
Number of gears (forward / reverse)		2 / 2	
Max. travel speed (may vary according to applicable regulations)		25 km/h	
Differential lock		Limited slip differential on front and rear axles	
Parking brake		Automatic negative parking brake	
Service brake		Hydraulic servo brake	
Hydraulics			
Hydraulic pump type		Gear pump	
Hydraulic flow - Pressure		48 l/min - 235 bar	
Flow sharing distributor		Standard	
Tank capacities			
Hydraulic tank capacity		39 l	
Fuel		35 l	
Noise and vibration			
Noise at driving position (LpA) tested following NF EN 12053 norm		76 dB	
Noise to environment (LwA)		104 dB	
Vibration on hands/arms		2.50 m/s²	
Miscellaneous			
Cab certification		ROPS - FOPS cab (level 1)	
Controls		JSM	

## ULM 415 H - Dimensional drawing

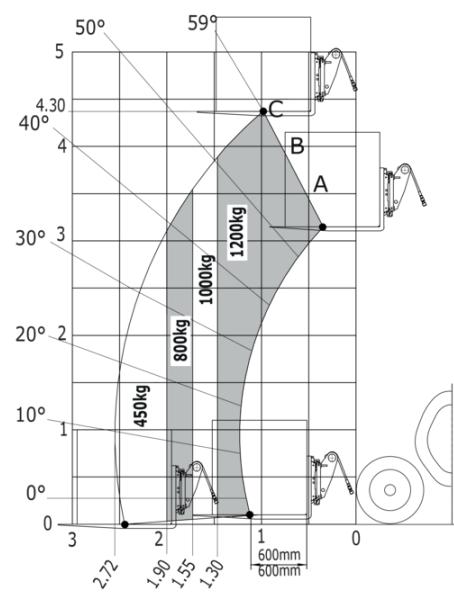


## ULM 415 H - Load chart

Machine on tires with forks Metric



Machine on tires with forks LC 600 mm Metric





# **MANITOU** HANDLING YOUR WORLD

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