

Technical sheet :

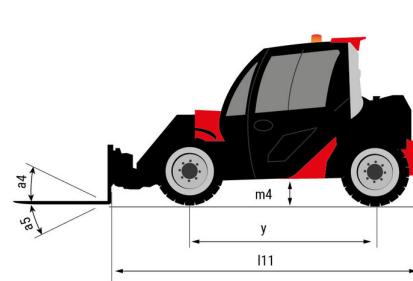
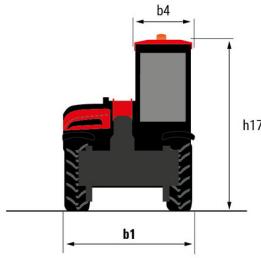
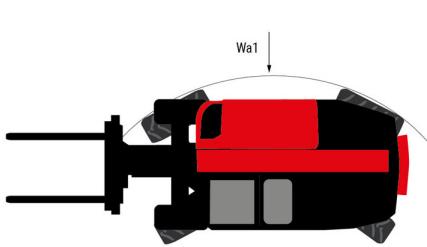
# ULM 412 H



 **MANITOU**  
HANDLING YOUR WORLD

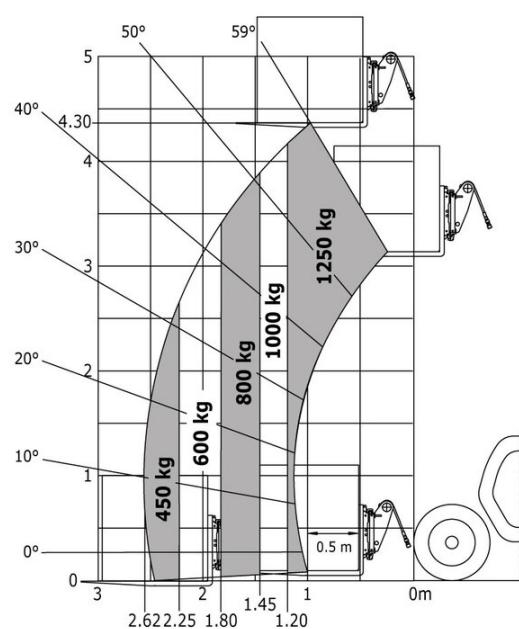
Capacities		Metric	
Max. capacity	Q	1250 kg	
Max. lifting height	h3	4.30 m	
Maximum outreach		2.62 m	
Reach at max. height		1 m	
Breakout force with bucket		1880 daN	
Weight and dimensions			
Shipping mass (min. / max.)		2550 kg / 2750 kg	
Ground clearance	m4	0.29 m	
Wheelbase	y	2.13 m	
Overall length 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	
Standard tires		CAMSO - MPT 552 - 10.0/75-15.3 124A8	
Performances			
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 412 H - Dimensional drawing

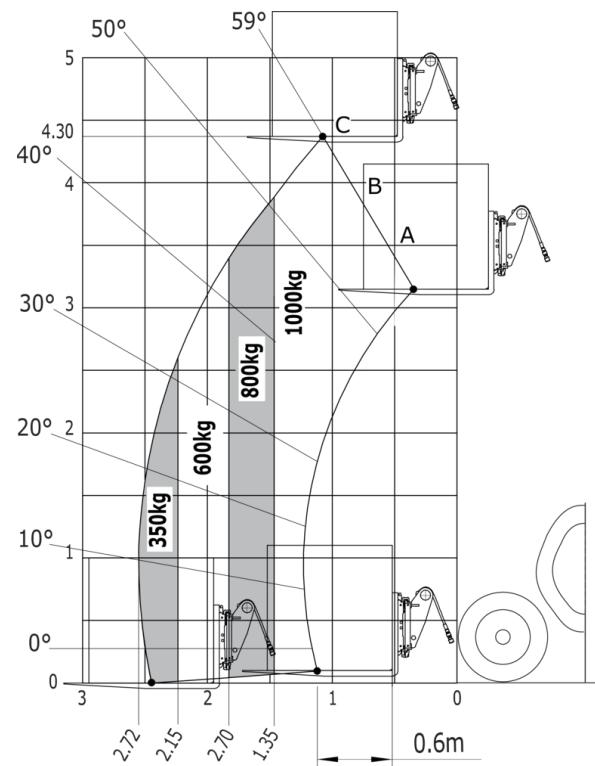


## ULM 412 H - Load chart

Machine on tires with forks Metric



Machine on tires with forks LC 600 mm Metric





**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](http://www.manitou.com)



This publication provides a description of the configuration versions and options for Manitou products, which may differ for equipment. The equipment presented in this brochure may be part of a series, as an option, or it may not be available, depending on the versions. Manitou reserves the right, at any time and without notice, to amend the specifications described and represented. The specifications provided do not bind the manufacturer. For more details, please contact your Manitou agent. This is not a contractually binding document. The presentation of the products is not contractually binding. List of specifications non-exhaustive. The logos as well as the visual identity of the company are owned by Manitou and cannot be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are only provided for consultation and information purposes.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,668,399 euros - 857 802 508 RCS Nantes