Technical sheet :

ULM 412 H

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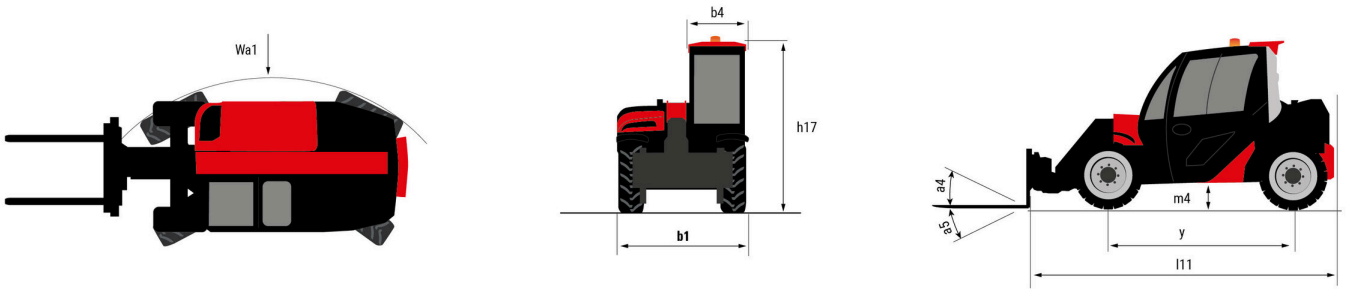
Capacities		Imperial
Max. capacity	Q	2756 lb
Max. lifting height		14 ft 1 in
Max. outreach		8 ft 7 in
Reach at max. height		3 ft 3 in
Breakout force with bucket		1880 daN
Weight and dimensions		
Shipping mass (min. / max.)		5622 lb / 6063 lb
Ground clearance	m4	11 in
Wheelbase	y	7 ft
Overall length to carriage (with hitch)	l11	11 ft 5 in
Overall length to carriage (without hitch)	l3	11 ft 5 in
Front overhang		2 ft 6 in
Overall width	b1	4 ft 11 in
Overall cab width	b4	2 ft 2 in
Overall height	h17	6 ft 4 in
Tilt-down angle	a5	116 °
Tilt-up angle	a4	23 °
External turning radius (over tyres)	Wa1	8 ft 7 in
Standard tires		CAMSO - MPT 552 - 10.0/75-15.3 124A8
Steering mode		2 wheel steer, 4 wheel steer, Crab mode
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 - 100 in³
Engine power (Hp / kW)		35.10 Hp / 26.20 kW
Max. torque / Engine rotation		77 ft/lbs @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)		16 mph
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		13 US gpm - 3408 PSI
Flow sharing distributor		Standard
Tank capacities		
Hydraulic tank capacity		10 US gal
Fuel tank capacity		9 US gal
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		< 8 ft/s²
Miscellaneous		
Cab certification		ROPS - FOPS cab (level 1)
Controls		JSM

Optional tires tab

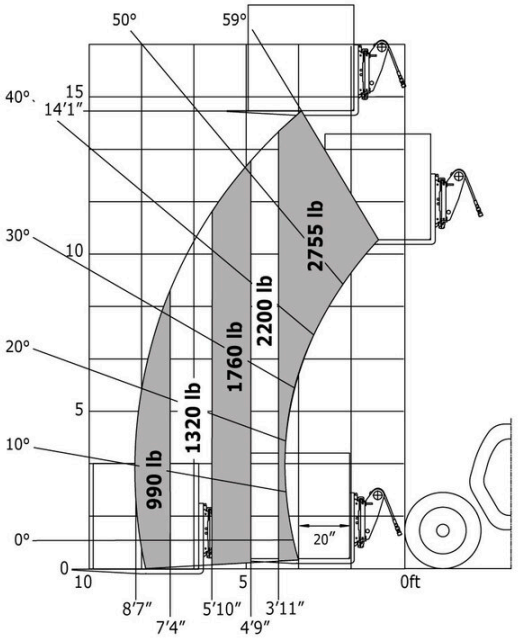
	Overall height	Overall width
ALLIANCE - A550 - 305/70 R16.5 141A5	6 ft 5 in	4 ft 11 in
CAMSO - SKS732 - 12-16.5 145A2	6 ft 5 in	4 ft 11 in
MICHELIN - BIBSTEEL ALL TERRAIN - 300/70 R16.5 141A5	6 ft 5 in	4 ft 11 in
MICHELIN - BIBSTEEL HARD SURFACE - 300/70 R16.5 137A8	6 ft 5 in	4 ft 11 in
MITAS - TR-07 - 31x15.50-15 121A8	6 ft 4 in	5 ft 1 in

ULM 412 H - Dimensional drawing

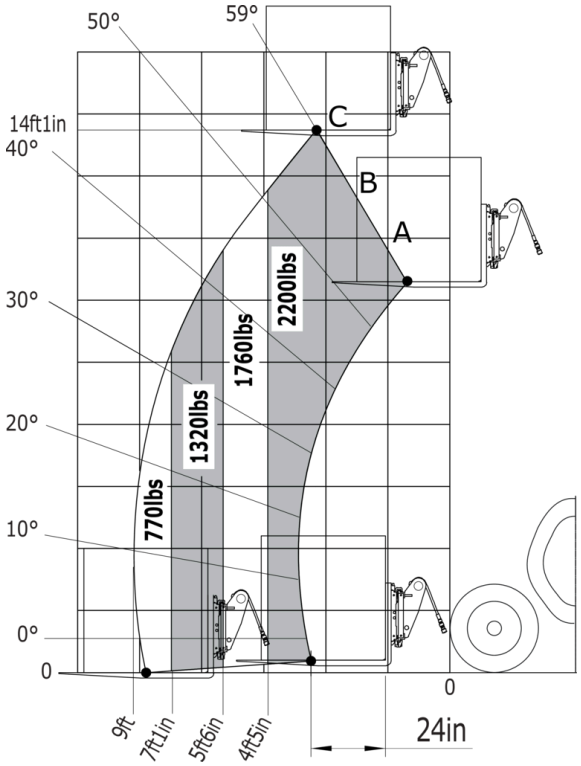


ULM 412 H - Load chart

Machine on tires with forks Imperial



Machine on tires with forks LC 600 mm (Imperial)



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