

Technical sheet :

# ULM 412 H

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| Capacities  |     | Metric  |
|---|-----|---|
| Max. capacity   | Q   | 1250 kg   |
| Max. lifting height   |     | 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              |
| 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 - 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   |

## Optional tires tab

|   | Overall height | Overall width |
|---|----------------|---------------|
| ALLIANCE - A550 - 305/70 R16.5 141A5                  | 1.95 m         | 1.49 m        |
| CAMSO - SKS732 - 12-16.5 145A2                        | 1.96 m         | 1.49 m        |
| MICHELIN - BIBSTEEL ALL TERRAIN - 300/70 R16.5 141A5  | 1.96 m         | 1.50 m        |
| MICHELIN - BIBSTEEL HARD SURFACE - 300/70 R16.5 137A8 | 1.96 m         | 1.50 m        |
| MITAS - TR-07 - 31x15.50-15 121A8                     | 1.93 m         | 1.56 m        |

## ULM 412 H - Dimensional drawing



## ULM 412 H - Load chart

Machine on tires with forks Metric



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