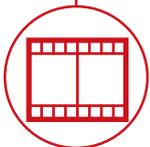




CONSTRUCTION



LOGISTICS



EVENTS AND  
FILM



FORESTRY



**RTH**

**8.35 TC**

RTH

8.35 TC



**CAB**

Best-in-class  
safety and visibility



**PERFORMANCE**

Unrivalled lifting  
performance

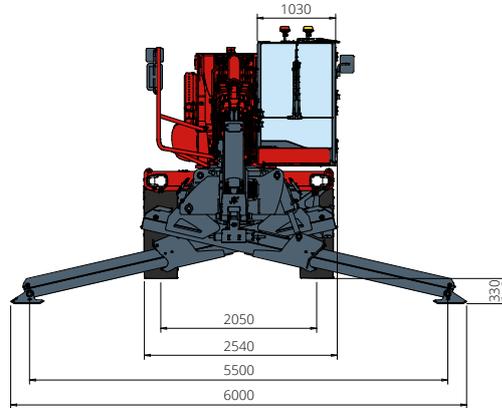


**LOAD LIVE DIAGRAM**

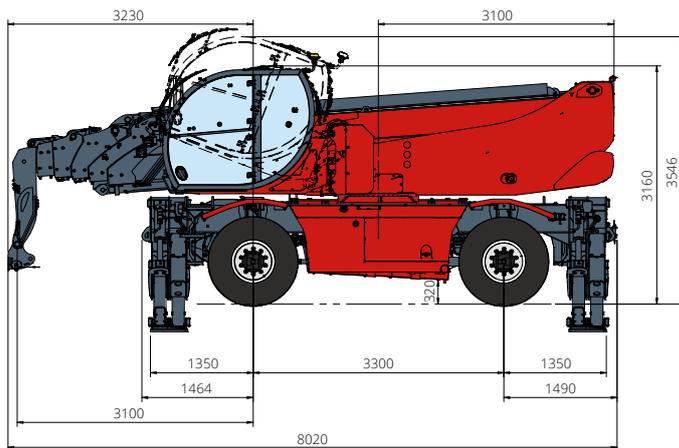
Three real-time dynamic  
load charts

# RTH 8.35 TC

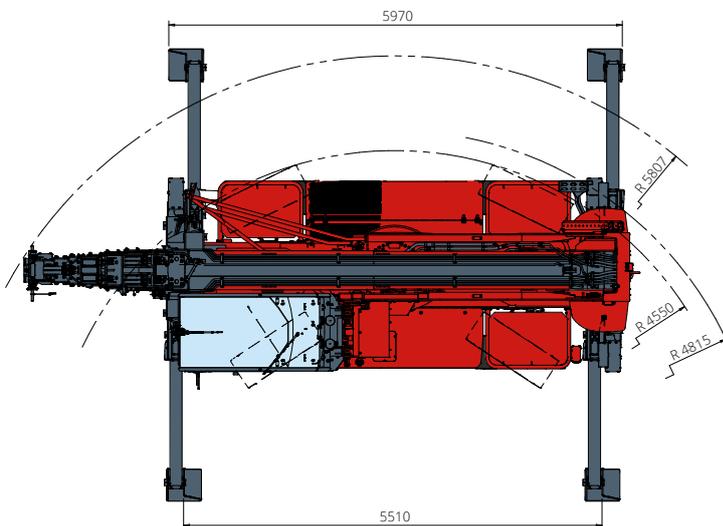
## DIMENSIONS (mm)



**FRONT**  
view

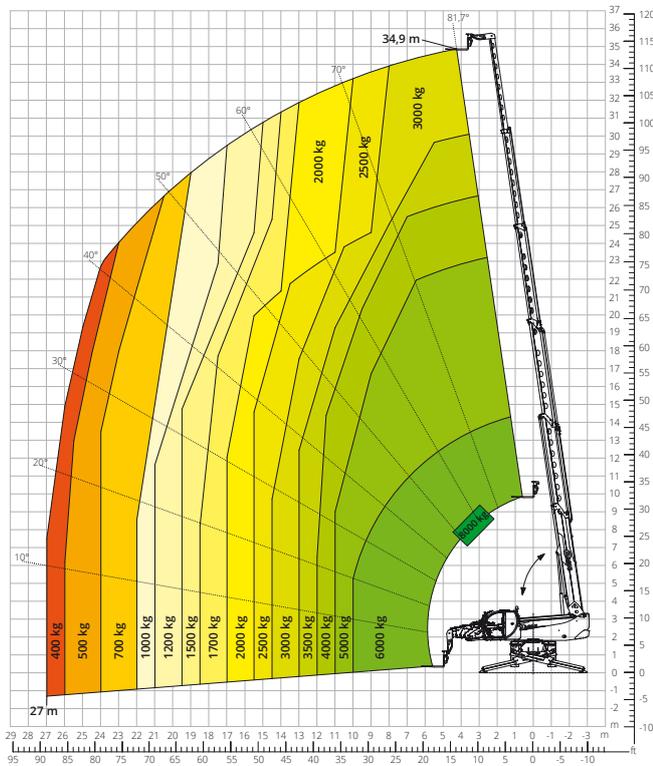


**SIDE**  
view

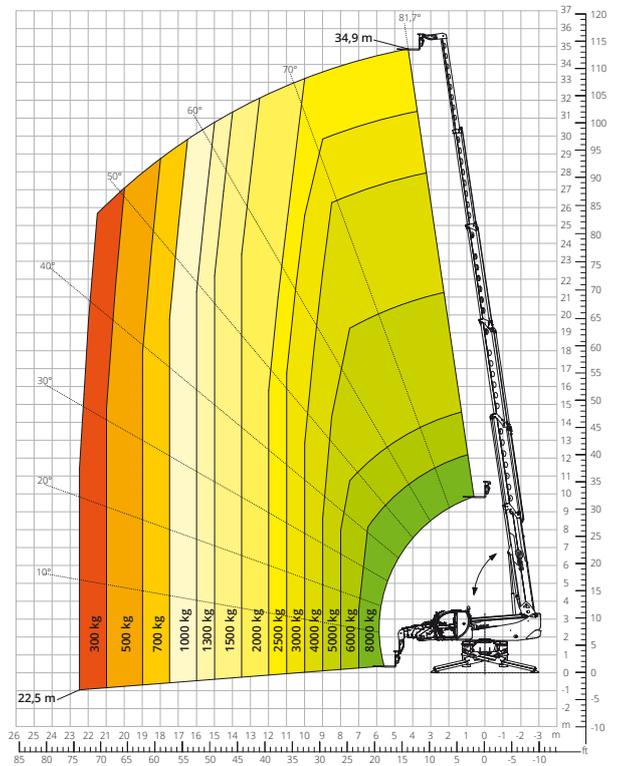


**TOP**  
view

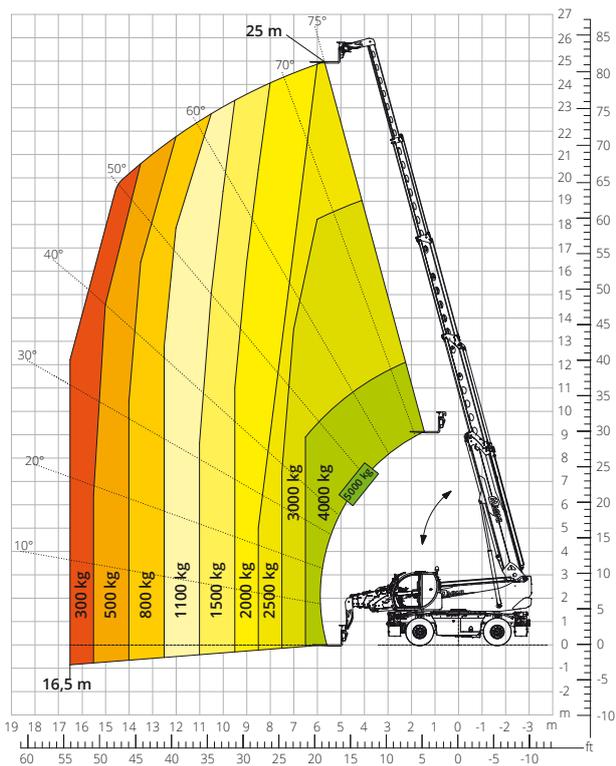
Load chart with  
**FULLY EXTENDED STABILISERS (360°) - M1**  
 ATT - 03 - 007



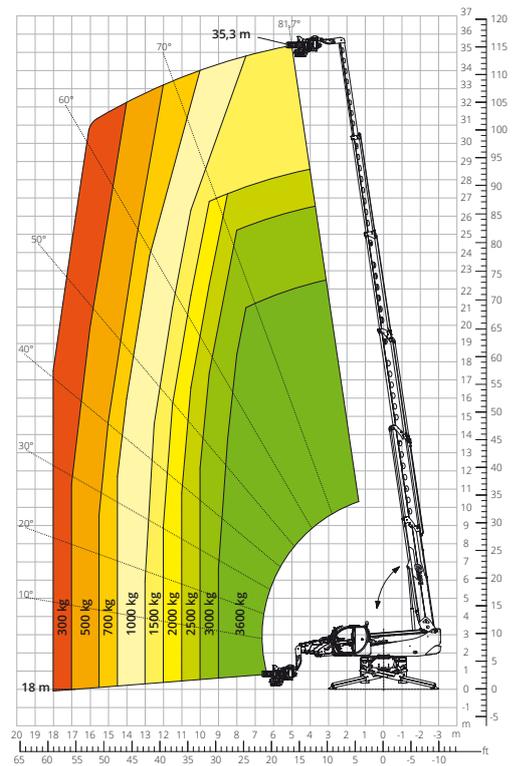
Load chart with  
**FULLY EXTENDED STABILISERS (360°) - M2**  
 ATT - 03 - 007



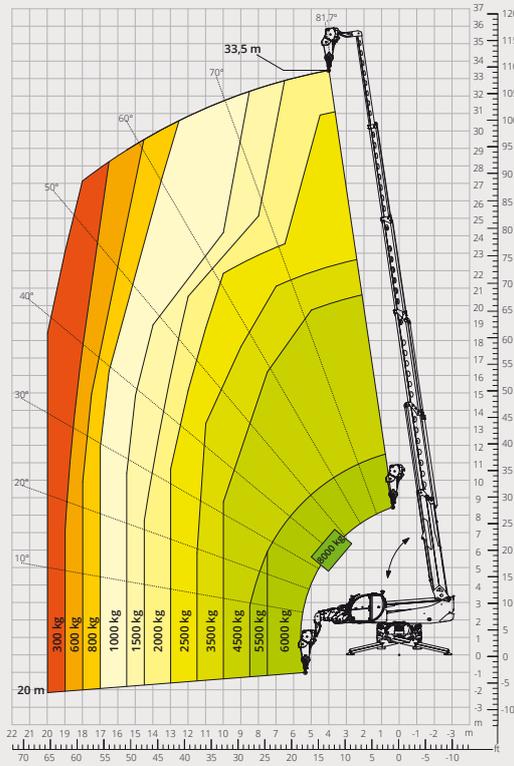
Load chart  
**FRONT ATTACHMENT ON TYRES**  
 ATT - 03 - 007



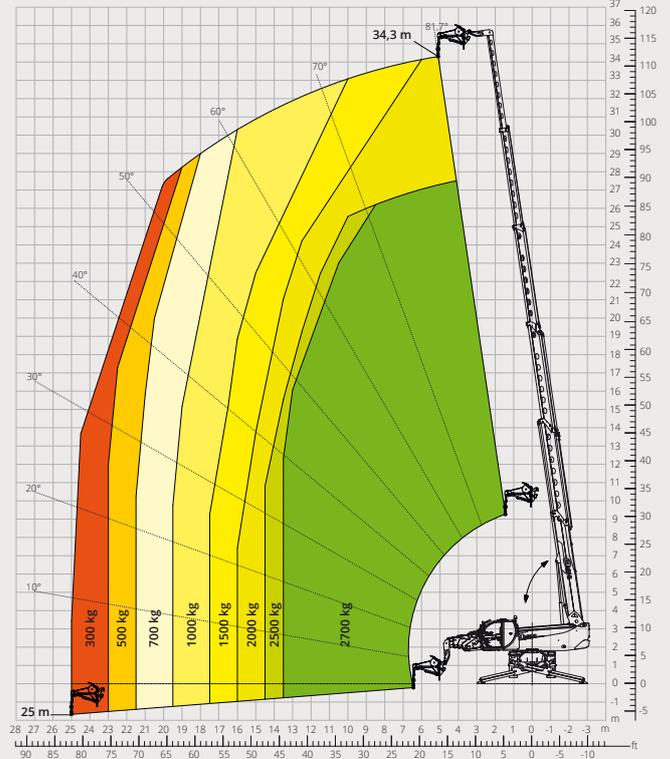
Load chart with  
**TREE CUTTER**  
 ATT - 08 - 001



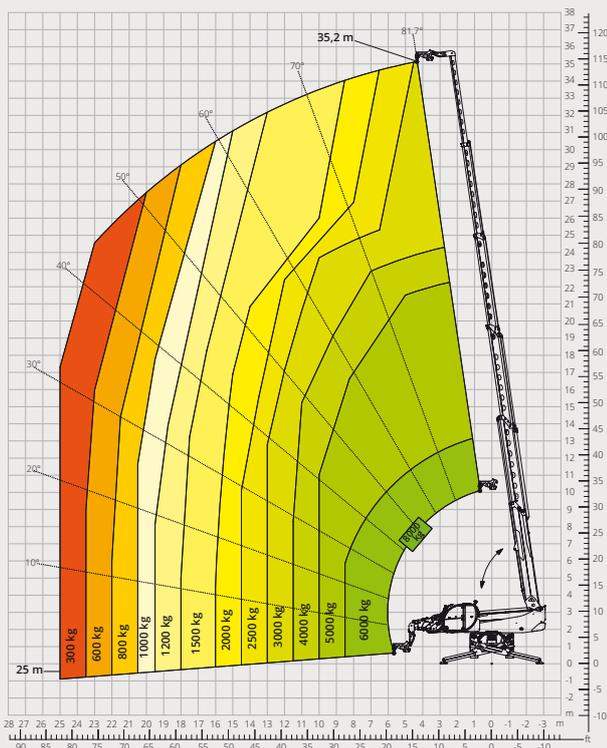
Load chart with  
**WINCH, 8,000 kg - M1**  
ATT - 02 - 006



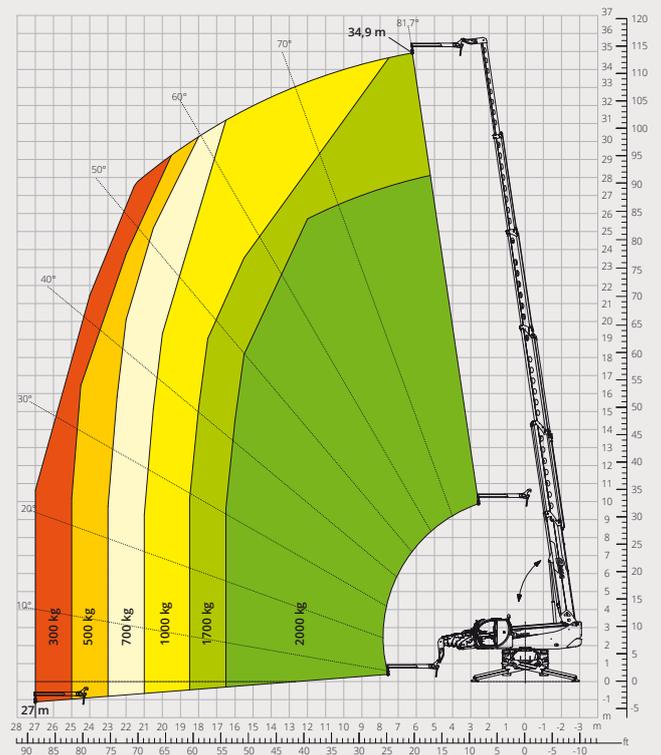
Load chart with  
**JIB WITH WINCH, 2,700 kg**  
ATT - 04 - 017



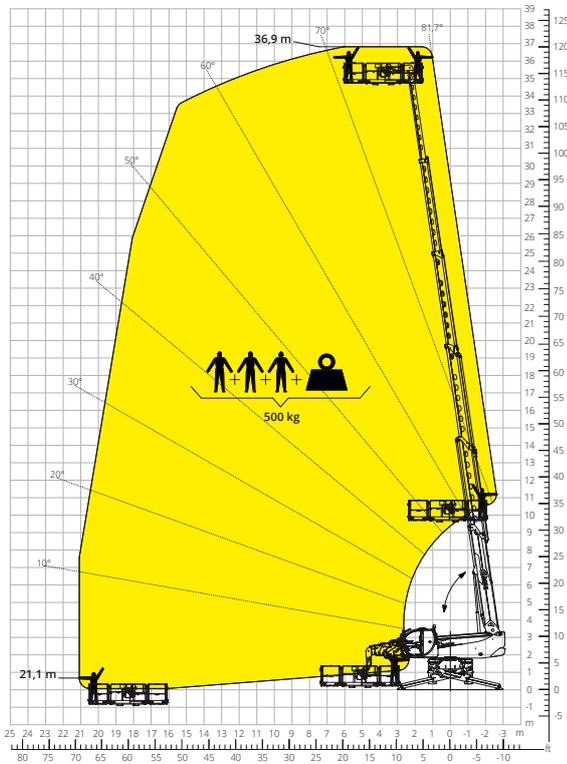
Load chart with  
**HOOK, 8,000 kg - M1**  
ATT - 05 - 003



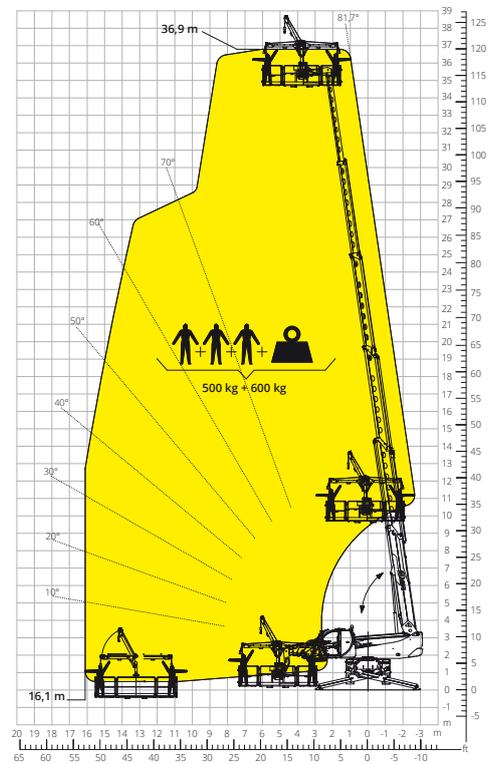
Load chart with  
**JIB, 2,000 kg**  
ATT - 04 - 013



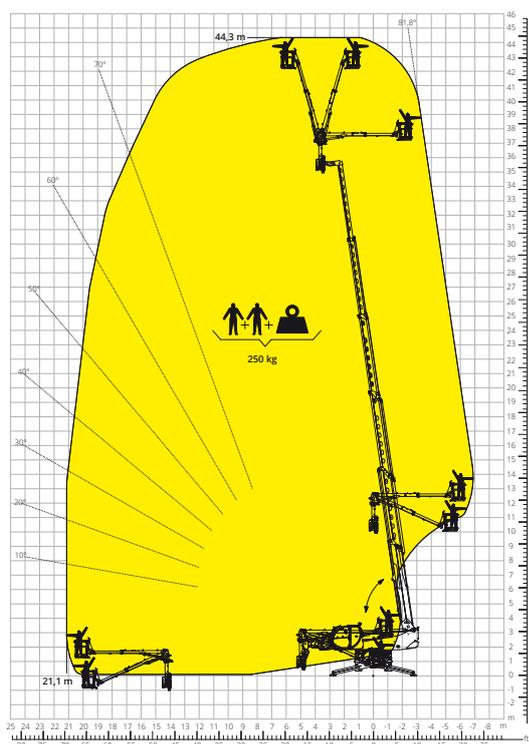
Load chart with  
**ROTATING EXTENDABLE PLATFORM, 500 kg**  
ATT - 01 - 007



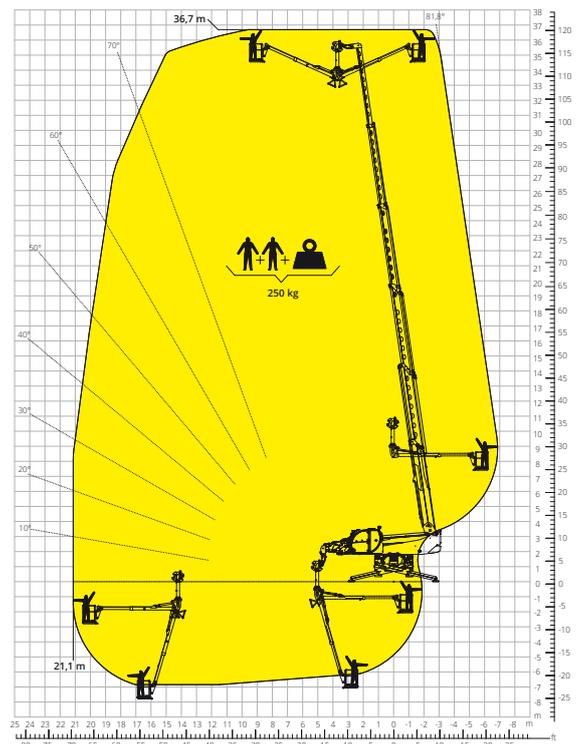
Load chart with  
**PLATFORM, 500 kg, WITH WINCH, 600 kg**  
ATT - 01 - 026



Load chart with  
**OVER-UNDER PLATFORM - POSITIVE**  
ATT - 01 - 024



Load chart with  
**OVER-UNDER PLATFORM - NEGATIVE**  
ATT - 01 - 024



|  |   |  |                                 |
|--|---|--|---------------------------------|
| <b>Machine model</b>   | Rotating telescopic handler   | RTH 8.35 TC                                    |                                 |
|  | Maximum lifting capacity  | 8,000 kg                                       |                                 |
|  | Maximum lifting height  | 34.90 m  |                                 |
|  | Maximum reach   | 27.00 m  |                                 |
|  | Rotation  | 360° (continuous)                              |                                 |
| <b>Stabilisers</b>   | Type  | Telescopic scissor                             |                                 |
| <b>Engine</b>  | Model   | <b>Volvo TAD 552 VE Stage III A</b>            | <b>Volvo TAD 583 VE Stage V</b> |
|  | Rated power   | 160 kW (218 hp) at 2,200 rpm                   | 175 kW (238 hp) at 2,300 rpm    |
|  | Maximum torque  | 910 Nm at 1,450 rpm                            | 975 Nm at 1,380 rpm             |
|  | Displacement  | 5.13 l   |                                 |
|  | Cylinders   | 4 in line                                      |                                 |
|  | Engine configuration  | Turbocharged direct injection diesel           |                                 |
|  | Cooling system  | Water – intercooler                            |                                 |
| <b>Transmission</b>  | Type  | Hydrostatic                                    |                                 |
|  | Maximum pressure  | 480 bar  |                                 |
|  | Gearbox   | Dropbox, 2 speeds forward-reverse              |                                 |
| <b>Axles and brakes</b>  | Type  | Axles with planetary gearboxes                 |                                 |
|  | Front axle  | Oscillating and steering with levelling +/-8°  |                                 |
|  | Rear axle   | Oscillating and steering with hydraulic lock   |                                 |
|  | No. of driving - steering wheels  | 4WD - 4WS                                      |                                 |
|  | Steering mode   | Frontal/Concentric/Crab                        |                                 |
|  | Service brake   | Wet multi-disk on front and rear axle          |                                 |
|  | Parking brake   | Hydraulic with negative action on front axle   |                                 |
| <b>Performance</b>   | Tyre sizes  | 445/65 R22.5                                   |                                 |
|  | Max. travel speed**   | 25 km/h  |                                 |
|  | Gradeability (unladen)  | 62%  |                                 |
|  | Turning radius (at forks)   | 6.780 mm                                       |                                 |
| <b>Weights</b>   | Total unladen*  | 24.500 kg                                      |                                 |
| <b>Tank and system capacities</b>                                      | Diesel fuel   | 270 l  | 270 l                           |
|  | AdBlue  | -  | 40 l                            |
|  | Hydraulic fluid   | 215 l  | 215 l                           |
|  | Engine oil  | 16 l   | 16 l                            |
|  | Coolant   | 40 l   | 40 l                            |
| <b>Hydraulic circuit for movements</b>                                 | Circuit type  | Load sensing                                   |                                 |
|  | Service pump  | Variable displacement                          |                                 |
|  | Max. hydraulic flow rate  | 160 l/min                                      |                                 |
|  | Max. boom head flow rate  | 75 l/min                                       |                                 |
|  | Max. working pressure   | 350 bar  |                                 |
|  | Distributor for boom and turret movements   | SIL 2 electro-proportional valve               |                                 |
| <b>Standards met</b>   | Movements control   | Dual joystick with integrated manoeuvre enable |                                 |
|  | 2006/42/EC: EU Machinery Directive  |  |                                 |
|  | 2016/1628: EU Regulation on the emissions of stage V engines                            |  |                                 |
|  | EN 1459-X: relating to standards on the safety requirements for variable-reach trucks   |  |                                 |
|  | EN 280-1/EN 280-2: standards relating to mobile elevating work platforms (if available) |  |                                 |
| ROPS/level 2 FOPS: relating to the standards for protective structures |   |  |                                 |

The data given in this brochure are provided for information purposes and are subject to change without prior notice.  
All images are purely guideline and might not give an exact representation of the product.

\*the stated weight refers to the vehicle unladen with standard equipment and may vary depending on the chosen configuration.  
\*\*Maximum speed may be limited depending on the country of destination.

## The standard machine configuration includes:

### CAB

- Tilting cab up to 21°
- "Easy access" system
- Premium tilting seat with air suspension and headrest
- Adjustable steering column
- Analogue joystick
- Adjustable sunblind
- Heating
- Air conditioning
- FM/AM radio with USB and Bluetooth connectivity
- Ambient LED lights
- USB Type-A and Type-C (5 V) inputs

### REAL TIME INFORMATION

- Touchscreen, 12"
- MCTS – Magni Combi Touch System on-board software
- Automatic RFID tools recognition system
- LMI – Load Moment Indicator
- LLD – Live Load Diagram
- Onboard and remote integrated diagnostics
- Reversing camera with image integrated in the MCTS

### TECHNICAL SPECIFICATIONS

- Q-Fit standard
- Provision for platform
- Advanced three-line CAN BUS system
- Automatic levelling system for outriggers
- Automatic front and rear wheel alignment
- High-precision turret rotation motor by Liebherr
- Automatic parking brake
- Mechanical battery cut-off in engine compartment
- Electrical system: 24 V – IP67

### SERVICE

- MyMagni by Trackunit connectivity system (Free of charge on request)
- Warranty: 24 months/2,000 hours