MAGNI
TELESCOPIC HANDLERS

# RTH
# 8.35

ADVANCED
ACCESS PLATFORMS

CONSTRUCTION

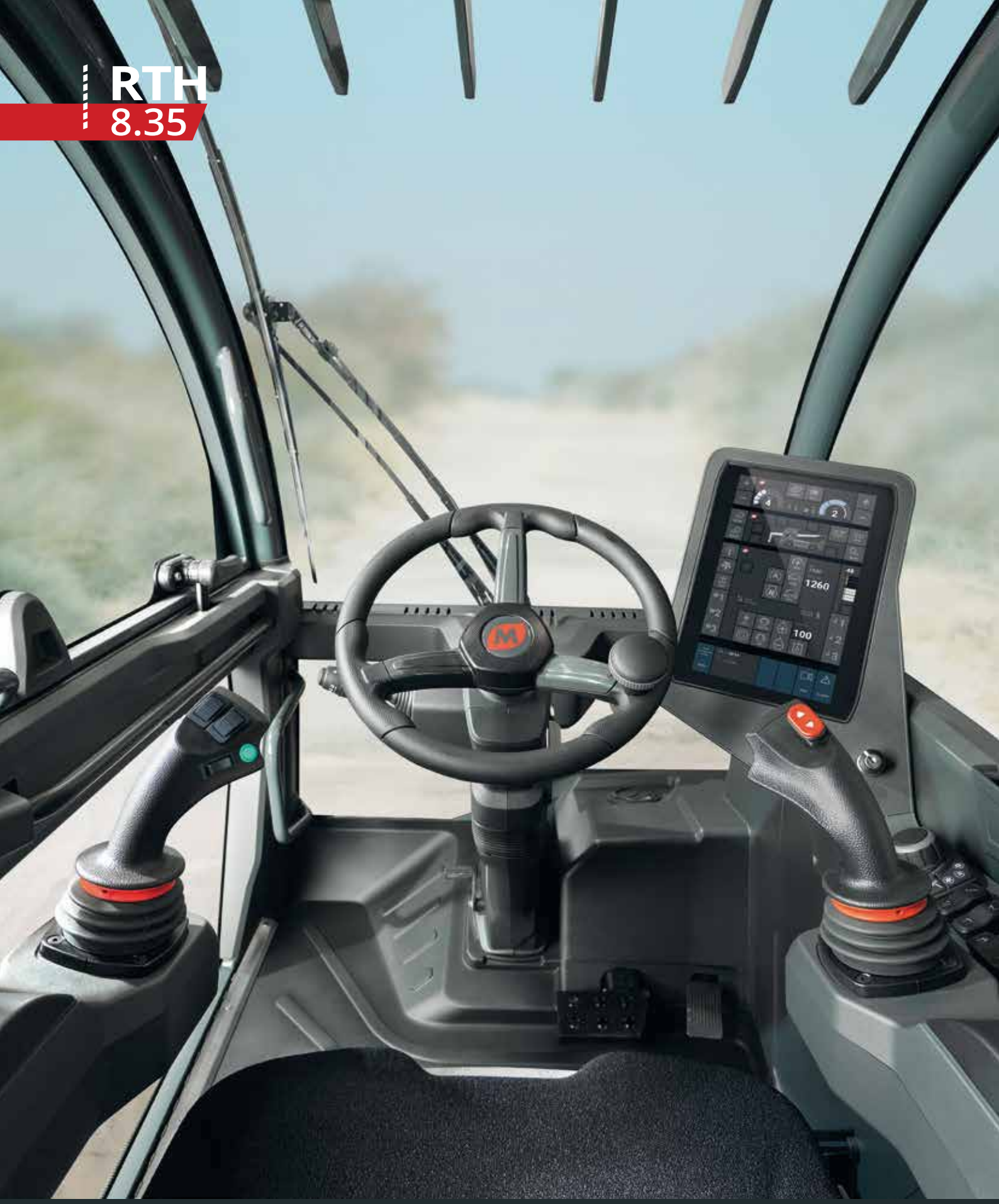
LOGISTICS

EVENTS AND
FILM

FORESTRY



# RTH 8.35




**CAB**
Best-in-class
safety and visibility

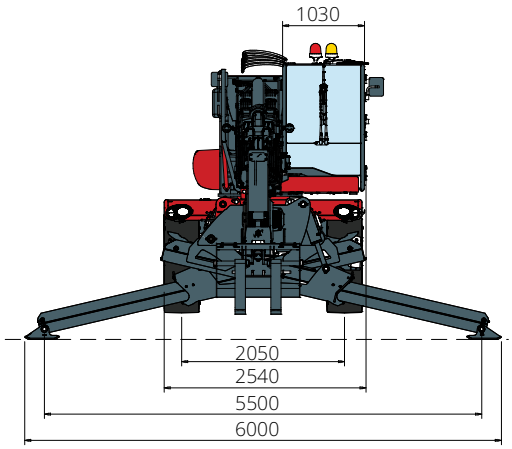
**PERFORMANCE**
Unrivalled lifting
performance

**LOAD LIVE DIAGRAM**
Three real-time dynamic
load charts

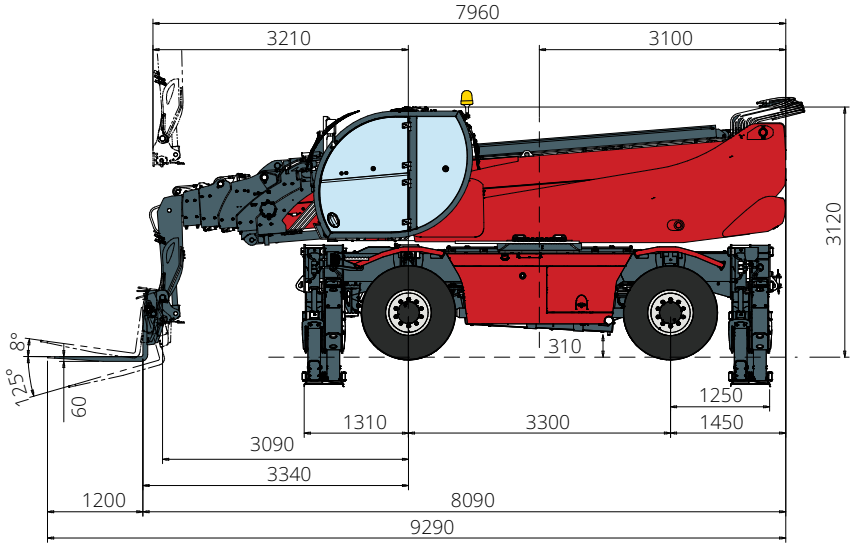
RTH 8.35

## DIMENSIONS (mm)

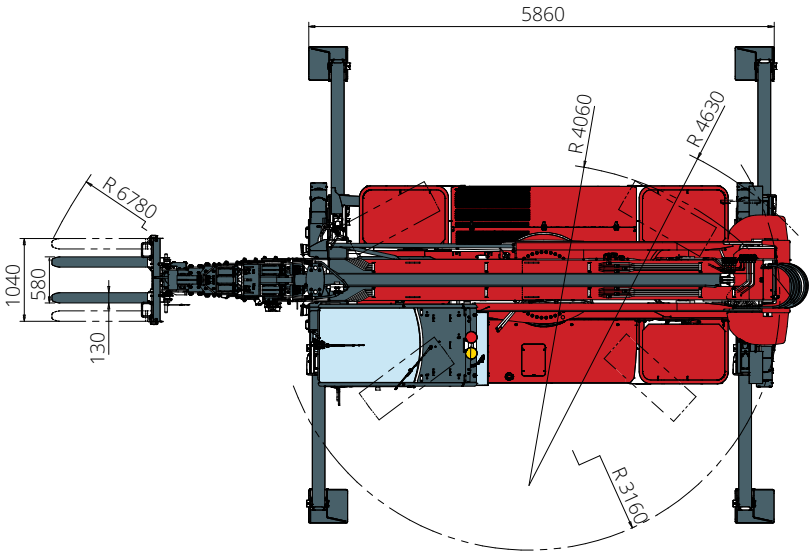
ADVANCED ACCESS PLATFORMS




**FRONT** view



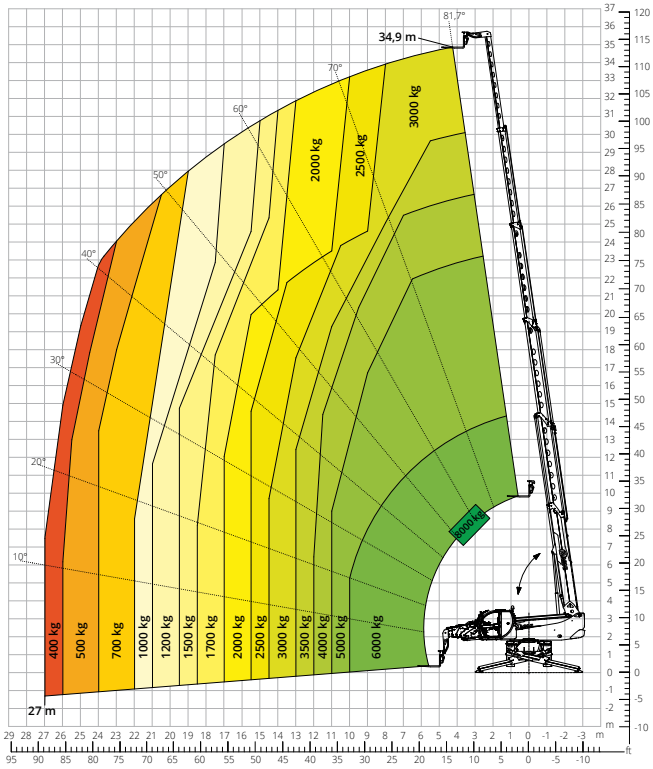

**SIDE** view



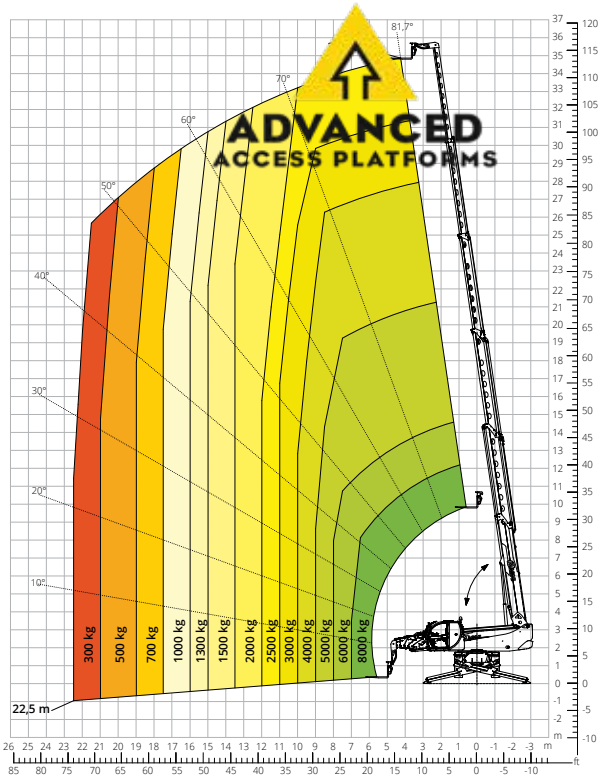

**TOP** view

ADVANCED
ACCESS PLATFORMS

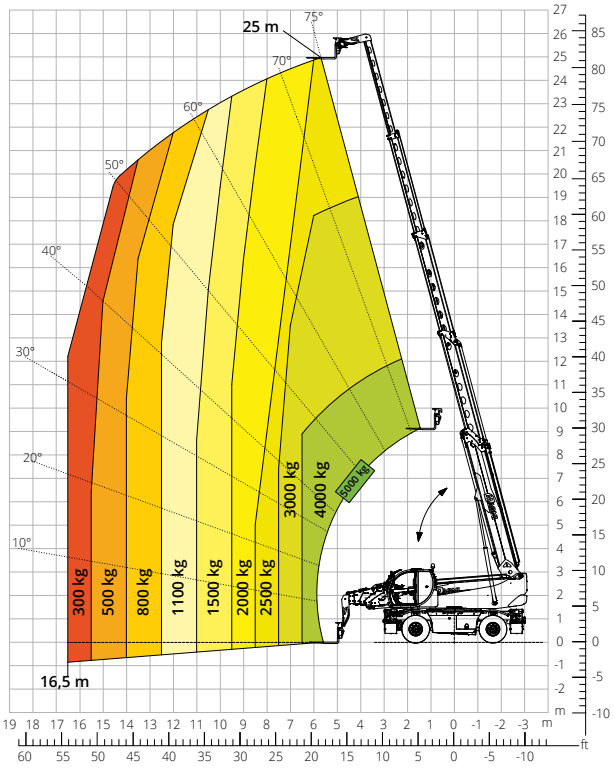
Load chart with
## FULLY EXTENDED STABILISERS (360°) – M1
*ATT - 03 - 007*



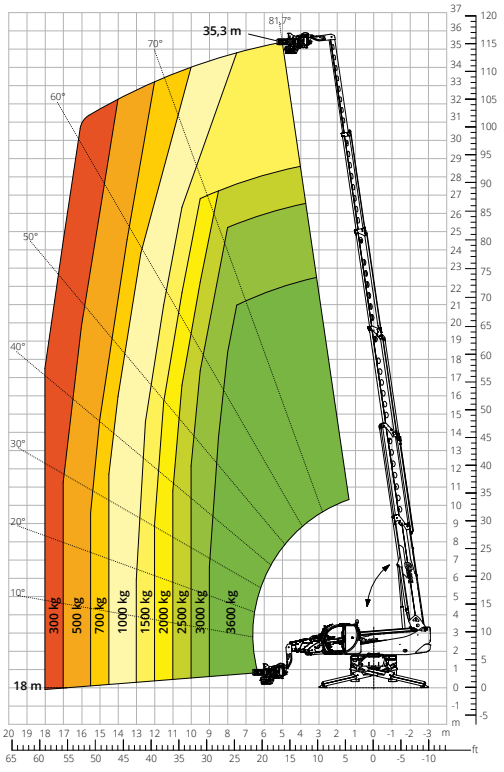

Load chart with
## FULLY EXTENDED STABILISERS (360°) – M2
*ATT - 03 - 007*




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

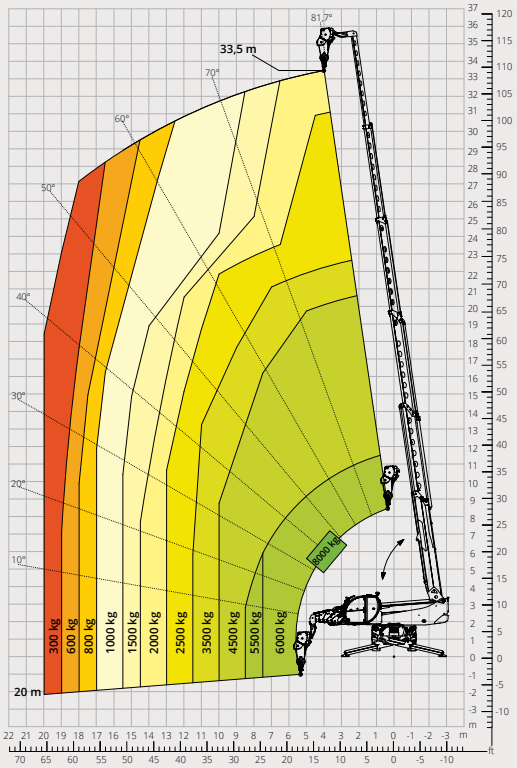



Load chart with
## TREE CUTTER
*ATT - 08 - 001*

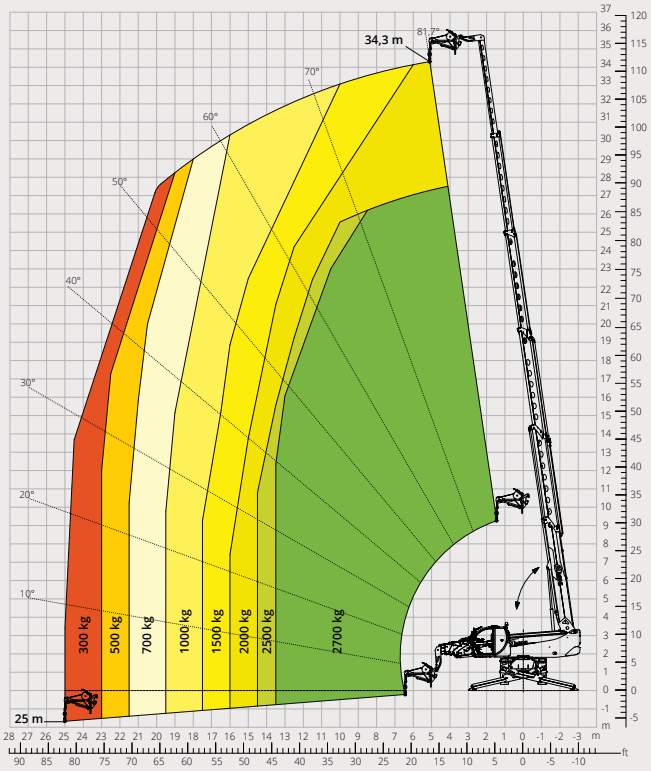


ADVANCED
ACCESS PLATFORMS

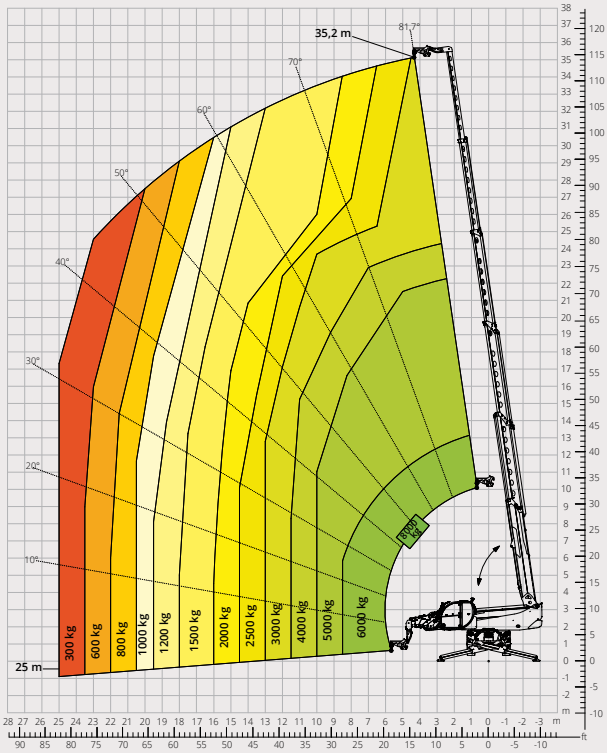
Load chart with
## WINCH, 8,000 kg – M1
*ATT - 02 - 006*



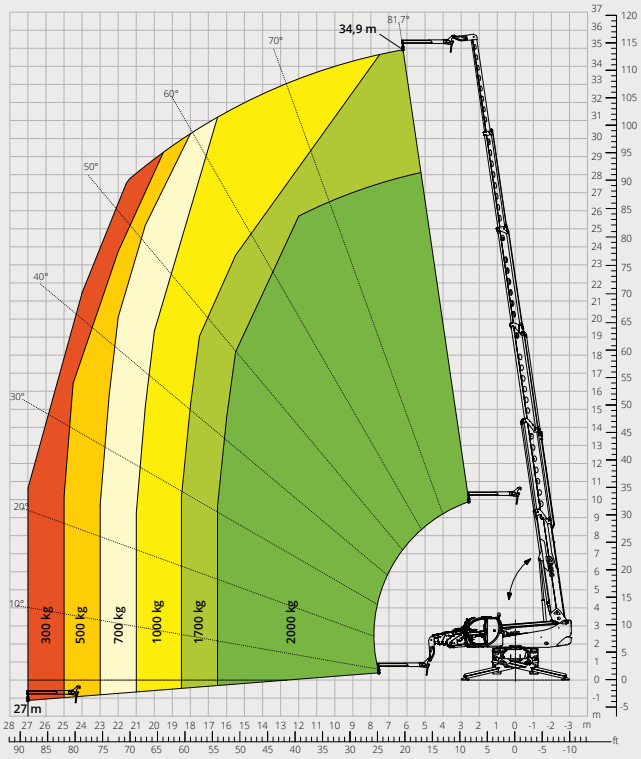

Load chart with
## JIB WITH WINCH, 2,700 kg
*ATT - 04 - 017*




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




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



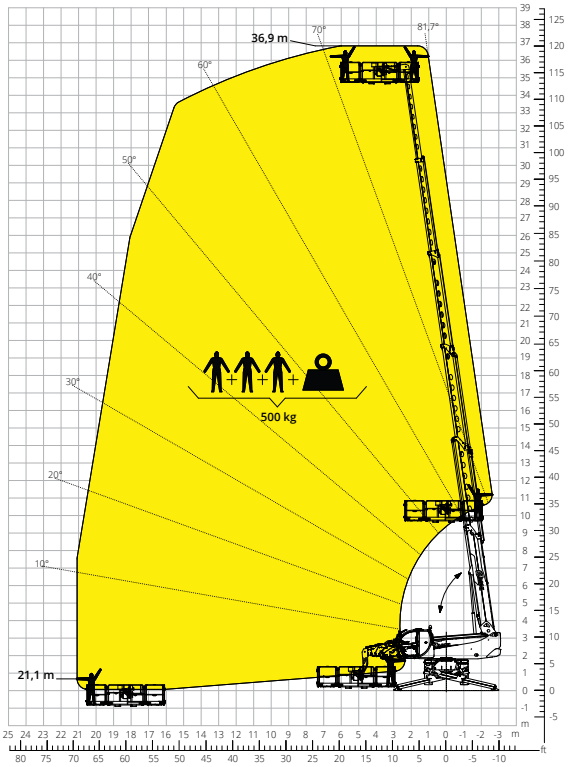
ADVANCED ACCESS PLATFORMS

MAGNI TELESCOPIC HANDLERS

Load chart with

## ROTATING EXTENDABLE PLATFORM, 500 kg

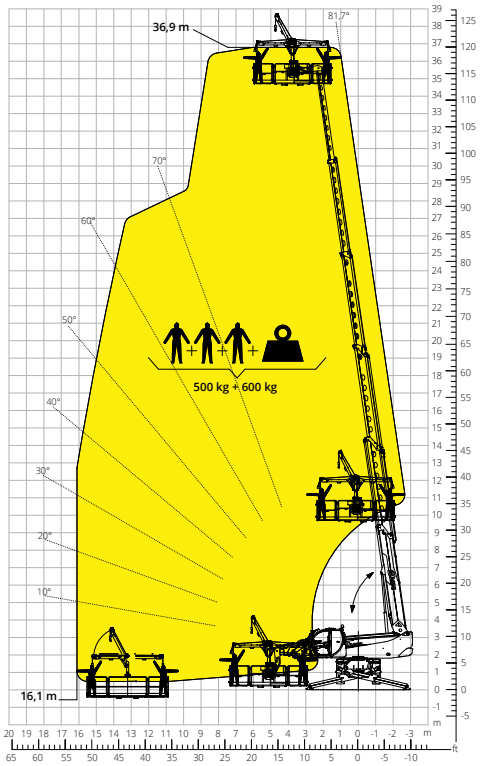
*ATT - 01 - 007*




Load chart with

## PLATFORM, 500 kg, WITH WINCH, 600 kg

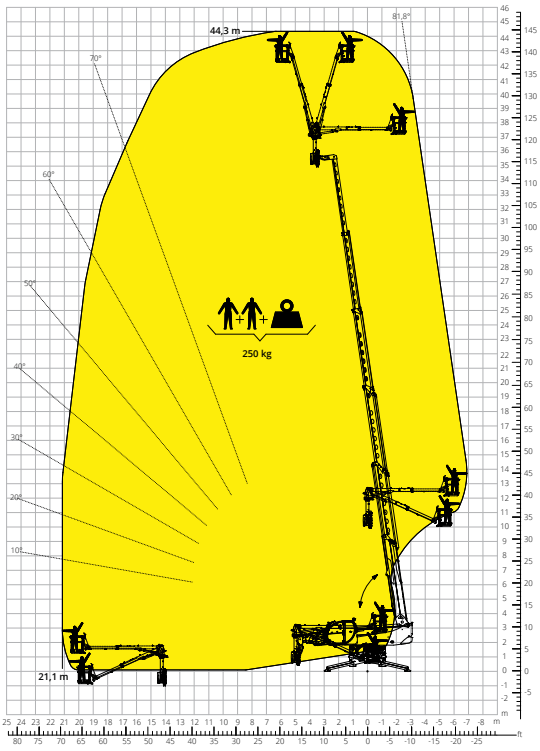
*ATT - 01 - 026*




Load chart with

## OVER-UNDER PLATFORM – POSITIVE

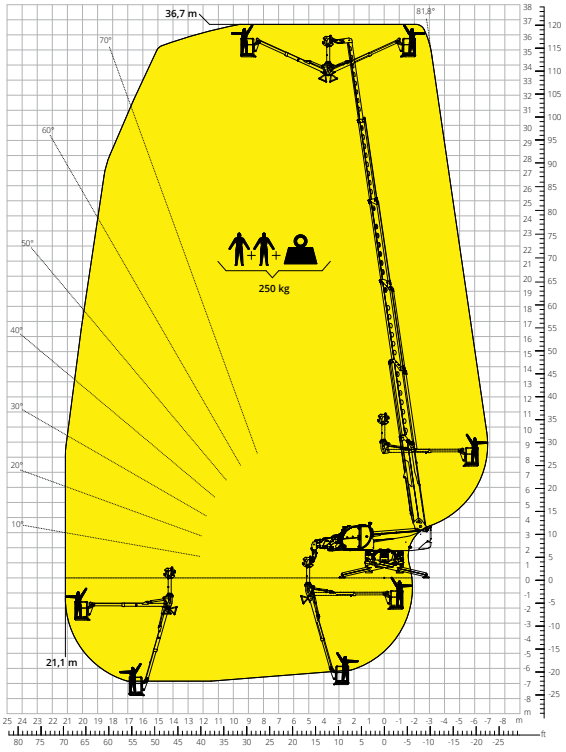
*ATT - 01 - 024*




Load chart with

## OVER-UNDER PLATFORM – NEGATIVE

*ATT - 01 - 024*



| | | | |
|---|---|---|---|
| **Machine model** | Rotating telescopic handler | RTH 8.35 | |
| | Maximum lifting capacity | 8,000 kg | |
| | Maximum lifting height | 34.90 m | |
| | Maximum reach | 27.00 m | |
| | Rotation | 360° (continuous) | |
| **Stabilisers** | Type | Telescopic scissor | |
| **Engine** | Model | **Volvo TAD 552 VE Stage III A** | **Volvo TAD 583 VE Stage V** |
| | 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 type | Turbocharged direct injection diesel | |
| | Cooling system | Water – intercooler | |
| **Transmission** | Type | Hydrostatic | |
| | Maximum pressure | 480 bar | |
| | Gearbox | Dropbox, 2 speeds forward-reverse | |
| **Axles and brakes** | 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 | |
| | Tyre sizes | 445/65 R22.5 | |
| **Performance** | Max. travel speed | 40 km/h | |
| | Gradeability (unladen) | 62% | |
| | Turning radius (at forks) | 6,780 mm | |
| **Weights** | Total unladen* | 23,990 kg | |
| **Tank and system capacities** | 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 |
| **Hydraulic circuit for movements** | 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 | |
| | Movements control | Dual joystick with integrated manoeuvre enable | |
| **Standards met** | 2006/42/EC: EU Machinery Directive<br>2016/1628: EU Regulation on the emissions of stage V engines<br>EN 1459-X: Relating to standards on the safety requirements for variable reach machines<br>EN 280-1/EN 280-2: standards relating to mobile elevating work platforms (if available)<br>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.*

## The standard machine configuration includes:

### CAB

"Easy access" system
Premium tilting seat with air suspension and headrest
Adjustable steering column
Analogue joypad
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