



Maximum lifting height: 24,70 m

Maximum reach: 21,30 m

Electronically controlled hydrostatic transmission

Automatic levelling device

Scissors stabilizers

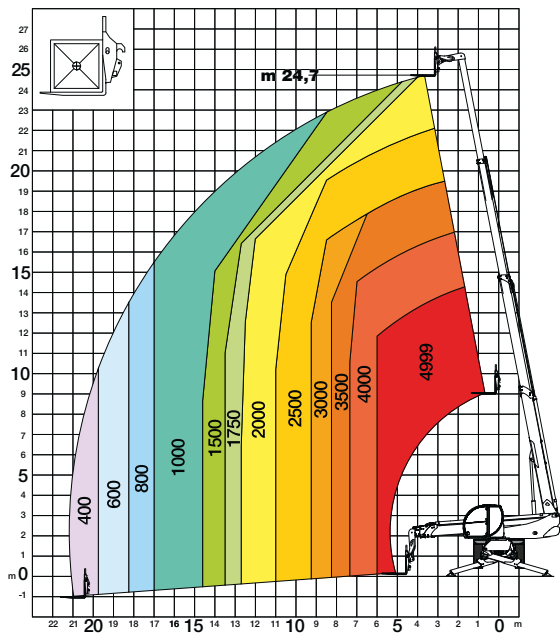
# **RTH5.25** *Smart S*

**Magni Telescopic Handlers srl**

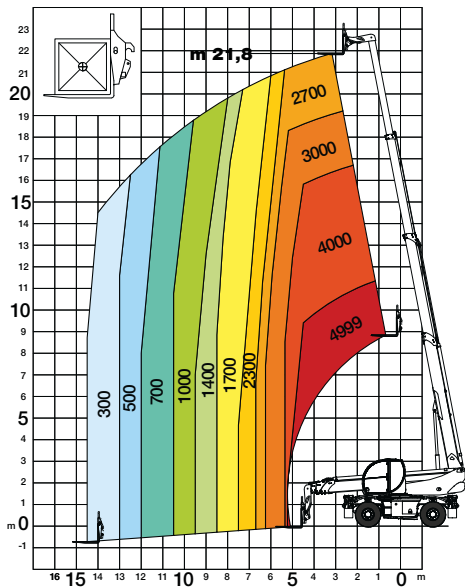
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**commerciale@magnith.com - [www.magnith.com](http://www.magnith.com)**

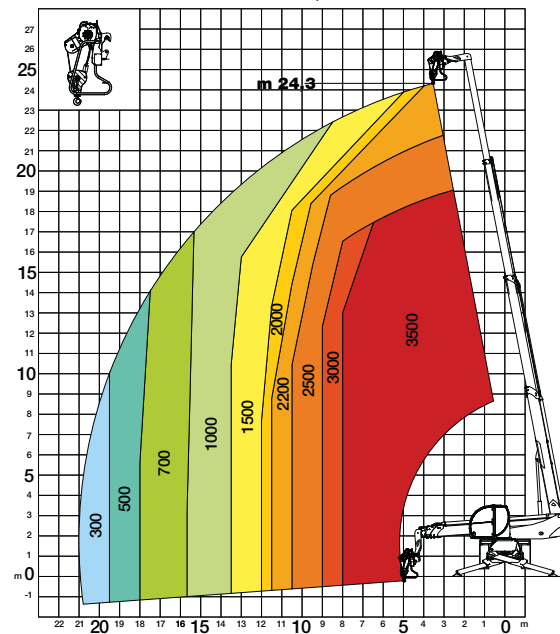
360° fully extended stabilizers load chart with forks



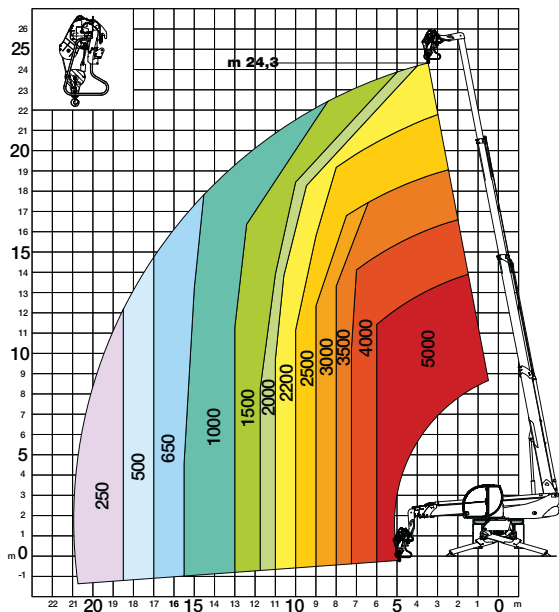
Frontal position load chart on tyres with forks



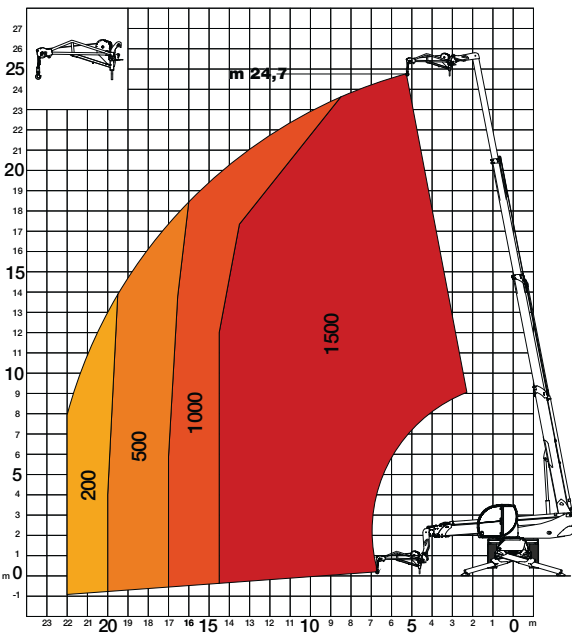
**W 3,5**  
Winch 3,5 t



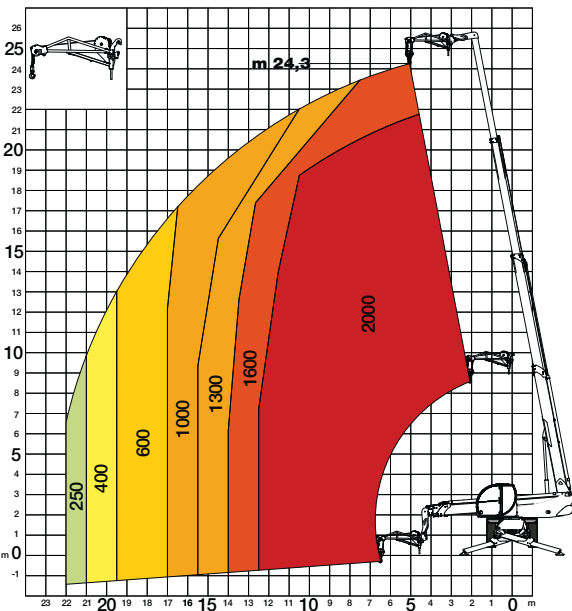
**W 5**  
Winch 5 t



**JW 1500**  
Jib winch 1.500 kg

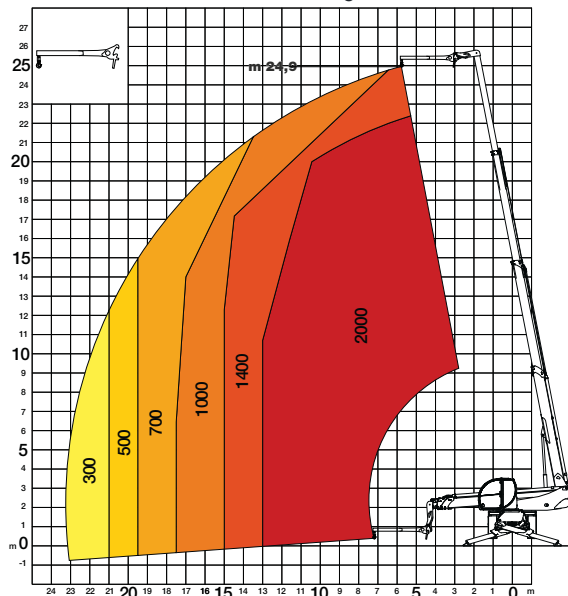


**JW 2000**  
Jib winch 2.000 kg



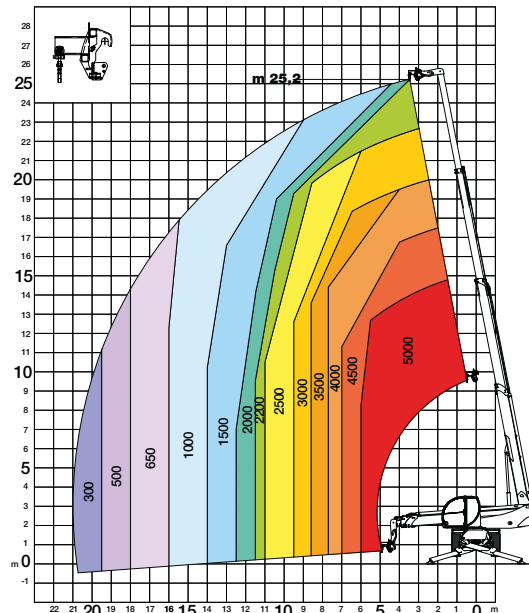
## J 2000

Jib 2.000 kg



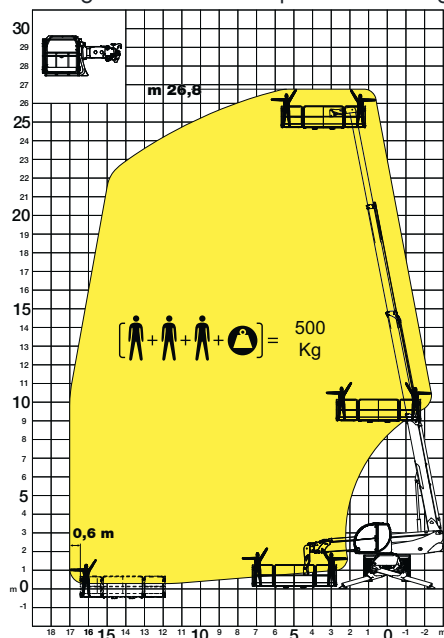
## H 5

Hook 5 t



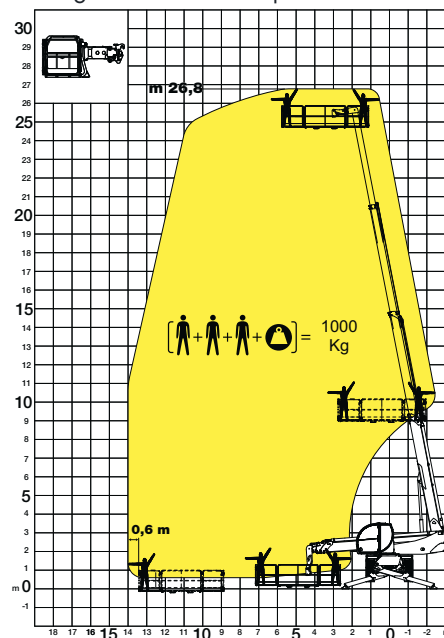
## REP 2-4,5

Rotating extendable man platform 500 kg



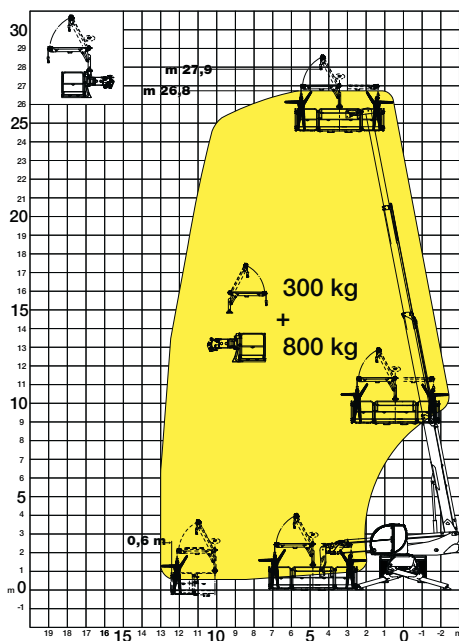
## REP 10.2-4,7

Rotating extendable man platform 1.000 kg



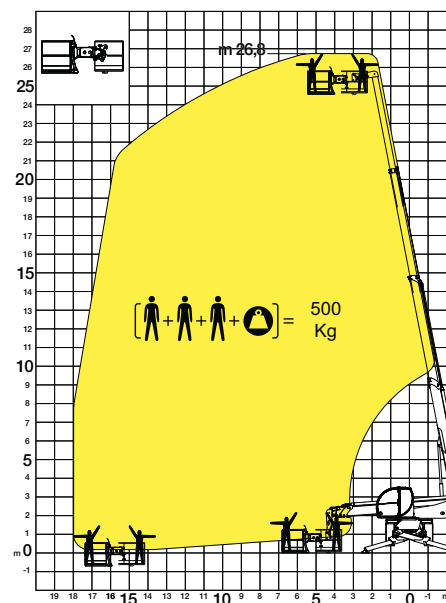
## REP 8,2-4,7 W0,3

Rotating platform 800 kg with winch 300 kg



## REP 2-2

Rotating fixed platform 500 kg



|                         |                                                                                                                                                                                                                                                |                                                                                                     |                |                                           |              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------|-------------------------------------------|--------------|
| MACHINE MODEL           | Rotating telescopic handler                                                                                                                                                                                                                    | RTH 5.25 Smart S                                                                                    |                |                                           |              |
|                         | Maximum lifting capacity                                                                                                                                                                                                                       | 4.999 kg (center of gravity 500 mm)                                                                 |                |                                           |              |
|                         | Maximum lifting height                                                                                                                                                                                                                         | 24,70 m                                                                                             |                |                                           |              |
| ENGINE - DEUTZ          | Type                                                                                                                                                                                                                                           | Deutz TCD 3.6 L4 Stage IV                                                                           |                | Deutz TCD 3.6 L4 EDG - stage 3A compliant |              |
|                         | Rated power                                                                                                                                                                                                                                    | 100 kW - 134 HP at 2.200 rpm                                                                        |                | 100 kW - 134 HP at 2.200 rpm              |              |
|                         | Maximum torque                                                                                                                                                                                                                                 | 500 Nm at 1.600 rpm                                                                                 |                | 500 Nm at 1.600 rpm                       |              |
|                         | Displacement                                                                                                                                                                                                                                   | 3,6 l                                                                                               |                | 3,6 l                                     |              |
|                         | Cylinders                                                                                                                                                                                                                                      | 4 in line                                                                                           |                | 4 in line                                 |              |
|                         | Fuel                                                                                                                                                                                                                                           | Diesel direct injection turbocharged                                                                |                | Diesel direct injection turbocharged      |              |
|                         | Cooling system                                                                                                                                                                                                                                 | Water — intercooler                                                                                 |                | Water — intercooler                       |              |
| ENGINE - JCB            | Type                                                                                                                                                                                                                                           | JCB ECOMAX stage IV i                                                                               |                | JCB DIESELMAX stage 3A                    |              |
|                         | Rated power                                                                                                                                                                                                                                    | 93 kW - 126 HP to 2.200 rpm                                                                         |                | 97 kW - 131 HP to 2.200 rpm               |              |
|                         | Maximum torque                                                                                                                                                                                                                                 | 550 to 1.500 rpm                                                                                    |                | 532 to 1.500 rpm                          |              |
|                         | Displacement                                                                                                                                                                                                                                   | 4.399                                                                                               |                | 4.399                                     |              |
|                         | Cylinders                                                                                                                                                                                                                                      | 4                                                                                                   |                | 4                                         |              |
|                         | Fuel                                                                                                                                                                                                                                           | Diesel direct injection turbocharged                                                                |                | Diesel direct injection turbocharged      |              |
|                         | Cooling system                                                                                                                                                                                                                                 | Water — intercooler                                                                                 |                | Water — intercooler                       |              |
| TRANSMISSION            | Type                                                                                                                                                                                                                                           | Hydrostatic                                                                                         |                |                                           |              |
|                         | Model                                                                                                                                                                                                                                          | Bosch — Rexroth                                                                                     |                |                                           |              |
|                         | Maximum pressure                                                                                                                                                                                                                               | 500 bar                                                                                             |                |                                           |              |
|                         | Displacements                                                                                                                                                                                                                                  | Variable displacement pump electronically controlled Variable displacement motor                    |                |                                           |              |
|                         | Gear box                                                                                                                                                                                                                                       | 2 speeds forward-reverse                                                                            |                |                                           |              |
| AXLES AND BRAKES        | Type                                                                                                                                                                                                                                           | Axles with epicyclic reduction gear                                                                 |                |                                           |              |
|                         | Rear axle                                                                                                                                                                                                                                      | Oscillating and steering with hydraulic locking                                                     |                |                                           |              |
|                         | Front axle                                                                                                                                                                                                                                     | Oscillating and steering with automatic levelling +/- 10°                                           |                |                                           |              |
|                         | Service brake                                                                                                                                                                                                                                  | Hydraulically activated, oil-immersed multi-disc type on each axle                                  |                |                                           |              |
|                         | Parking brake                                                                                                                                                                                                                                  | Hydraulic with negative action                                                                      |                |                                           |              |
|                         | Tyres dimensions                                                                                                                                                                                                                               | 445/65 R 22,5                                                                                       |                |                                           |              |
| PERFORMANCE             | Max. travel speed                                                                                                                                                                                                                              | 40 km/h                                                                                             |                |                                           |              |
|                         | Drawbar pull                                                                                                                                                                                                                                   | 66 kN                                                                                               |                |                                           |              |
|                         | Gradeability                                                                                                                                                                                                                                   | 41%                                                                                                 |                |                                           |              |
|                         | Turning radius (end of forks)                                                                                                                                                                                                                  | 6.390 mm                                                                                            |                |                                           |              |
| WEIGHTS                 | Total unladen                                                                                                                                                                                                                                  | 17.950 kg                                                                                           |                |                                           |              |
|                         | Front axle unladen (boom retracted and lowered)                                                                                                                                                                                                | 7.750 Kg                                                                                            |                |                                           |              |
|                         | Rear axle unladen (boom retracted and lowered)                                                                                                                                                                                                 | 10.200 kg                                                                                           |                |                                           |              |
| TANK CAPACITIES         |                                                                                                                                                                                                                                                | Deutz stage IV                                                                                      | Deutz stage 3A | JCB stage IV i                            | JCB stage 3A |
|                         | Fuel tank                                                                                                                                                                                                                                      | 180 l                                                                                               | 180 l          | 180 l                                     | 180 l        |
|                         | AdBlue                                                                                                                                                                                                                                         | 10 l                                                                                                | n.a.           | n.a.                                      | n.a.         |
|                         | Hydraulic oil tank                                                                                                                                                                                                                             | 190 l                                                                                               | 190 l          | 190 l                                     | 190 l        |
|                         | Engine oil tank                                                                                                                                                                                                                                | 8 l                                                                                                 | 8 l            | 14 l                                      | 14 l         |
|                         | Cooling liquid                                                                                                                                                                                                                                 | 23 l                                                                                                | 23 l           | 23 l                                      | 23 l         |
| HYDRAULIC CIRCUIT       | Max. operating system pressure                                                                                                                                                                                                                 | 350 bar                                                                                             |                |                                           |              |
|                         | Circuit type                                                                                                                                                                                                                                   | Load sensing                                                                                        |                |                                           |              |
|                         | Service pump                                                                                                                                                                                                                                   | Bosch Rexroth — Variable displacement                                                               |                |                                           |              |
|                         | Controls for boom and turret movements                                                                                                                                                                                                         | Danfoss — Electroproportional valve SIL 2                                                           |                |                                           |              |
|                         | Controls for stabilizers                                                                                                                                                                                                                       | Bosch Rexroth — Electro-hydraulics controls                                                         |                |                                           |              |
|                         | Movements control                                                                                                                                                                                                                              | 2 joystick Danfoss with two shafts with dead man safety device - Management with CAN bus technology |                |                                           |              |
| CONFORMITY TO STANDARDS | EN 13849: concerning the safety of all controls of the machine<br>EN 13000: concerning the standard of hydraulic cranes<br>EN 280: concerning the standard of aerial platforms<br>FOPS/ROPS<br>97/68/CE: concerning engine emissions standards |                                                                                                     |                |                                           |              |

