

<b>MACHINE MODEL</b>	Rotating telescopic handler	RTH 5.18 Smart			
	Maximum lifting capacity	4.999 kg (center of gravity 500 mm)			
	Maximum lifting height	17,56 m			
<b>ENGINE - DEUTZ</b>	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		
<b>ENGINE - JCB</b>	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			
<b>TRANSMISSION</b>	Type	Hydrostatic			
	Model	Bosch – Rexroth			
	Maximum pressure	500 bar			
	Displacements	Variable displacement pump electronically controlled. Variable displacement motor			
	Gear box	2 speeds forward-reverse			
<b>AXLES AND BRAKES</b>	Type	Axles with epicyclic reduction gear			
	Rear axle	Oscillating and steering with hydraulic locking			
	Front axle	Steering			
	Service brake	Hydraulically activated, oil-immersed multi-disc type on each axle			
	Parking brake	Hydraulic with negative action			
	Tyres dimensions	445/65 R22,5			
<b>PERFORMANCE</b>	Max. travel speed	40 km/h			
	Drawbar pull	66 kN			
	Gradeability	44%			
	Turning radius (end of forks)	5.870 mm			
<b>WEIGHTS</b>	Total unladen	15.630 kg			
	Front axle unladen (boom retracted and lowered)	7.600 kg			
	Rear axle unladen (boom retracted and lowered)	8.700 kg			
<b>TANK CAPACITIES</b>		Deutz stage IV	Deutz stage3A	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	20 l	20 l	24 l	24 l	
<b>HYDRAULIC CIRCUIT</b>	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			
<b>CONFORMTY TO STANDARDS</b>	EN 13849: concerning the safety of all controls of the machine EN 13000: concerning the standard of hydraulic cranes EN 280: concerning the standard of aerial platforms FOPS/ROPS 97/68/CE: concerning engine emissions standards				

The data in this brochure are informative and subject to change without notice



- Maximum lifting height: 17,56 m
- Maximum reach: 14,26 m
- Electronically controlled hydrostatic transmission
- Automatic levelling device
- Pivoting stabilizers

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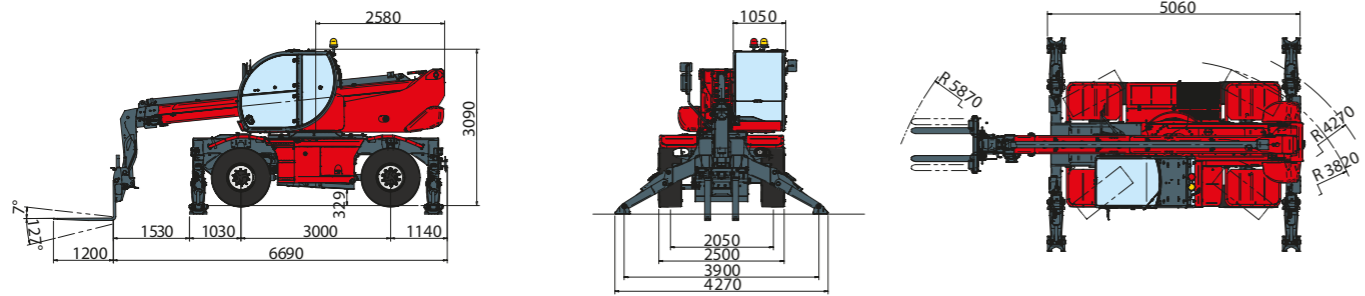
REV06

# RTH5.18 Smart

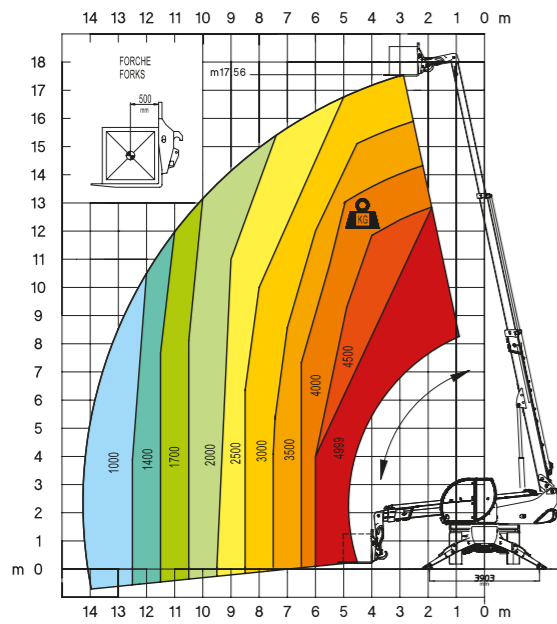
**Magni Telescopic Handlers srl**

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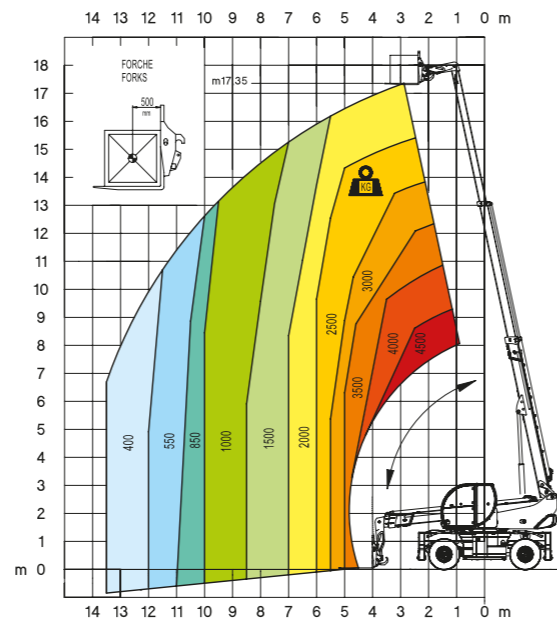
[commerciale@magnith.com](mailto:commerciale@magnith.com) - [www.magnith.com](http://www.magnith.com)



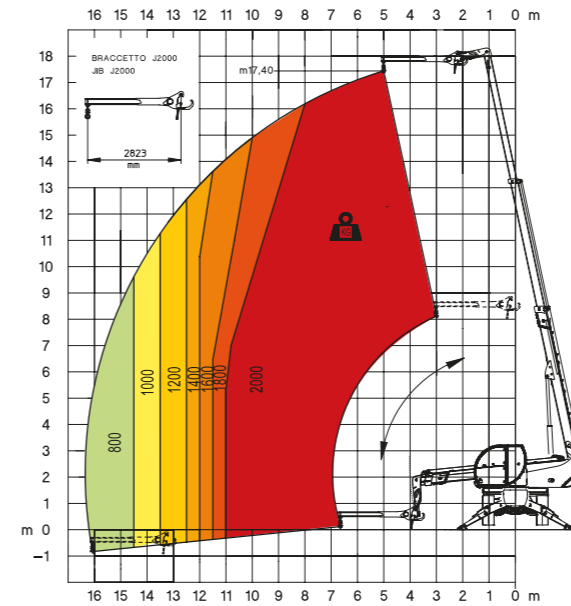
360° fully extended stabilizers load chart with forks



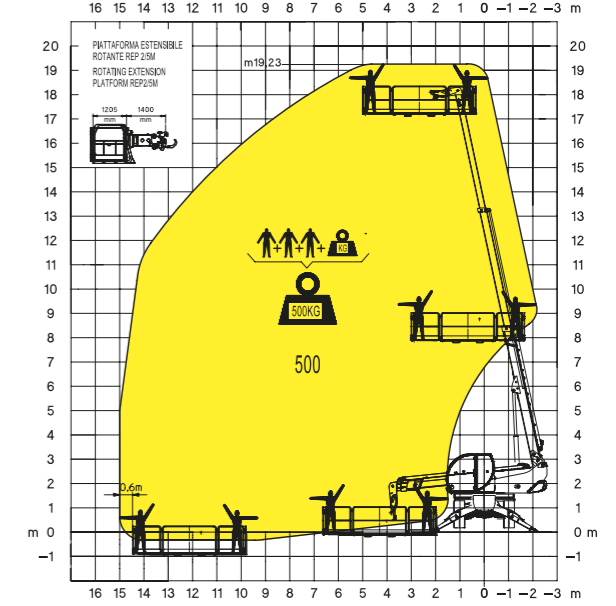
Frontal position load chart on tyres with forks



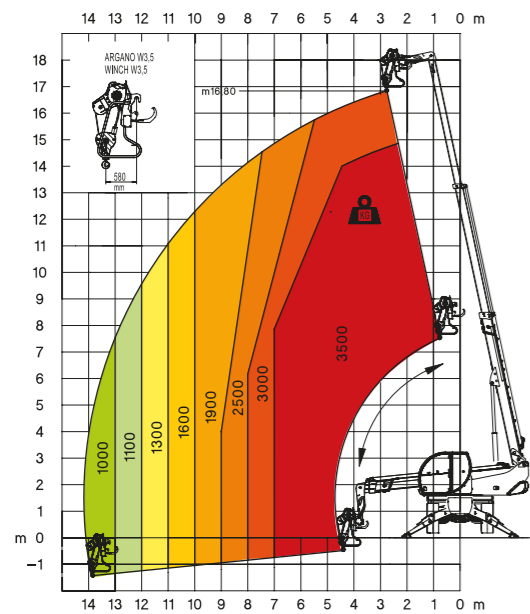
**J 2000**  
Jib 2.000 kg



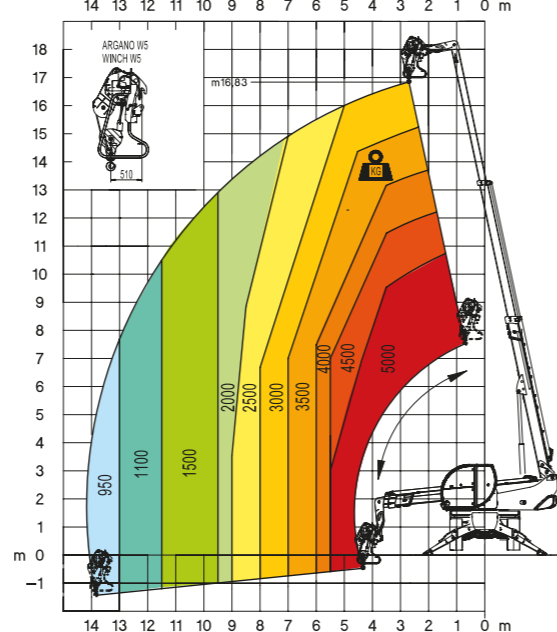
**REP 2-4,5**  
Rotating extendable men platform 500kg



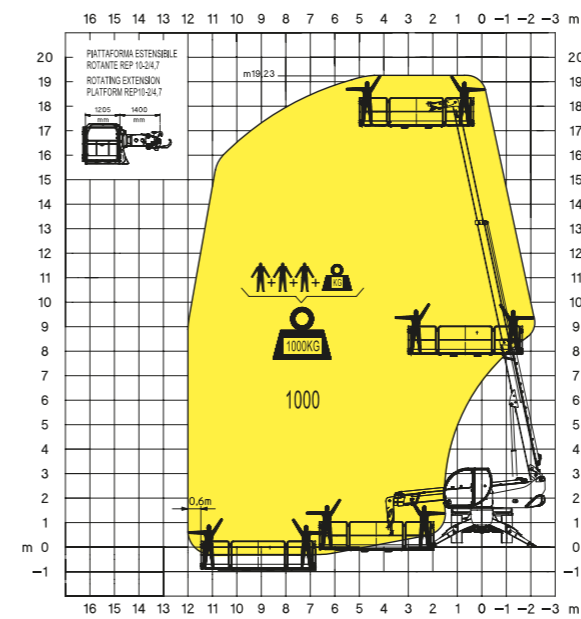
**W 3,5**  
winch 3,5 ton



**W 5**  
winch 5 ton

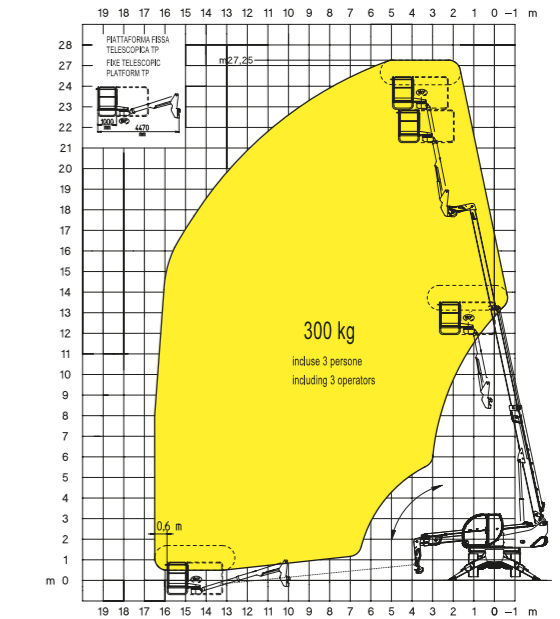


**REP 10.2-4,7**  
Rotating Extendable Men Platform 1000Kg

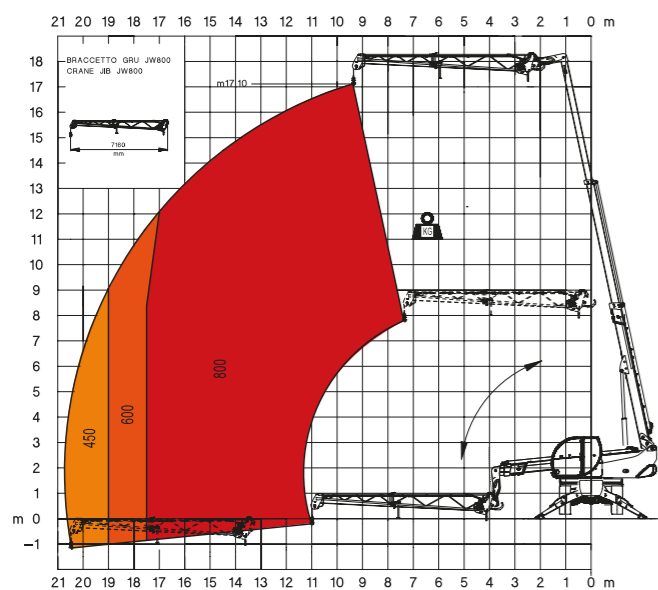


**TP**

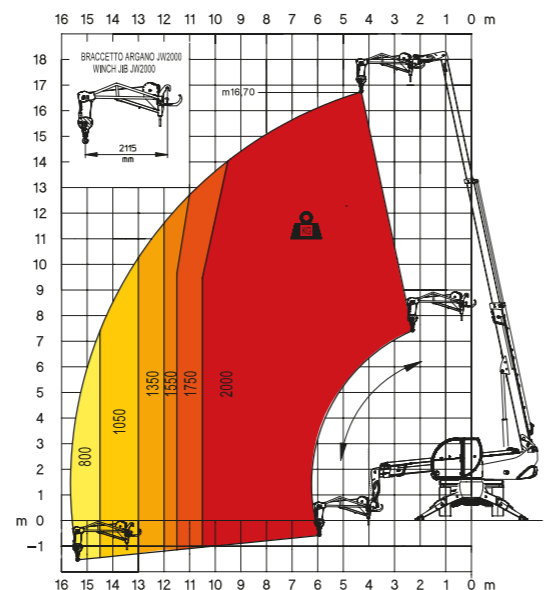
Telescopic pivoting men platform with 180° rotation



**JW 800**  
Jib winch 800

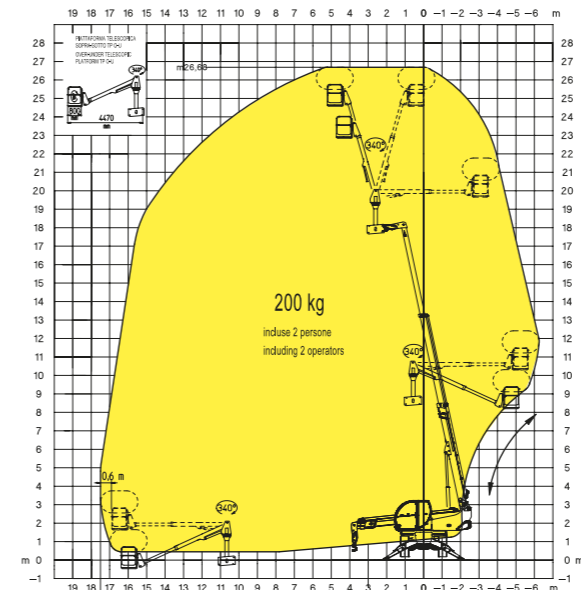


**JW 2000**  
Jib winch 2.000



**TP O-U**

Telescopic pivoting men platform over-under with 340° rotation



**TP O-U**

Telescopic pivoting men platform over-under with 340° rotation

