# 5.21SH RTH




MAGNI
TELESCOPIC HANDLERS

Maximum lifting height: 68.30 ft
Maximum reach: 57.40 ft
Electronically controlled hydrostatic transmission
Automatic leveling device
Scissors stabilizers

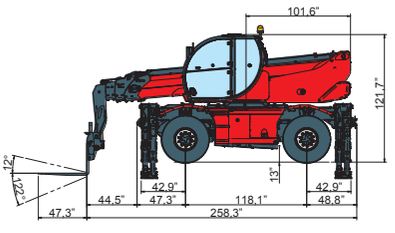
| RTH 5.21 SH | | | |
|---|---|---|---|
| MACHINE MODEL | Rotating telescopic handler | RTH 5.21 SH | |
| | Maximum lifting capacity | 11,000 lbs (center of gravity 24 in) | |
| | Maximum lifting height | 68.3 ft | |
| | Rotation | 360° (continuous) | |
| ENGINE | Type | Deutz TCD 3.6 L4 - stage IV | Deutz TCD 3.6 L4 EDG - stage IIIA 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 | 0.95 US gal | 0.95 US gal |
| | Cylinders | 4 in line | 4 in line |
| | Fuel | Turbocharged direct injection diesel | Turbocharged direct injection diesel |
| | Cooling system | Water - intercooler | Water - intercooler |
| TRANSMISSION | Type | Hydrostatic | |
| | Model | Bosch - Rexroth | |
| | Maximum pressure | 500 bar | |
| | Displacements | Electronically controlled Variable displacement pump<br>Variable displacement motor | |
| | Gear box | Dropbox, 2 speeds forward-reverse | |
| AXLES AND BRAKES | Type | Axles with planetary gearboxes | |
| | Rear axle | Steering | |
| | Front axle | Oscillating and steering with levelling +/-10° | |
| | Service brake | Hydraulically operated wet multi-disk brakes on each axle | |
| | Parking brake | Hydraulic with negative action | |
| | Tyres dimensions | 445/65 R22,5 | |
| PERFORMANCE | Max. travel speed | 25 Mph | |
| | Drawbar pull | 66 kN | |
| | Gradeability | 44% | |
| | Turning radius (end of forks) | 227.2 in | |
| WEIGHTS | Total unladen | 38,580 lbs | |
| | Front axle unladen (boom retracted and lowered) | 17,636 lbs | |
| | Rear axle unladen (boom retracted and lowered) | 20,945 lbs | |
| TANK AND SYSTEM CAPACITIES | Fuel tank | 47 US gal | 47 US gal |
| | AdBlue | 3 US gal | n.a. |
| | Hydraulic oil tank | 43.5 US gal | 43.5 US gal |
| | Engine oil tank | 2 US gal | 2 US gal |
| | Cooling liquid | 6 US gal | 6 US gal |
| HYDRAULIC CIRCUIT FOR MOVEMENTS | Max. operating system pressure | 350 bar | |
| | Circuit type | Load sensing | |
| | Service pump | Bosch Rexroth – Variable displacement | |
| | Controls for boom and turret movements | Danfoss – SIL 2 electro-proportional valve | |
| | Controls for stabilizers | Bosch Rexroth - Electro-hydraulics controls | |
| | Movements control | 2 no. two-axis Danfoss joysticks with deadman safety device - Managed via CAN bus | |
| STANDARDS MET | EN 13849: concerning the safety of all machine controls<br>EN 13000: concerning standards for hydraulic cranes<br>EN 280: concerning standards for mobile elevating work platforms<br>FOPS/ROPS<br>EU 2016/1628: concerning engine emissions standards<br>EN 1459-2: concerning standards for slewing variable-reach trucks | | |

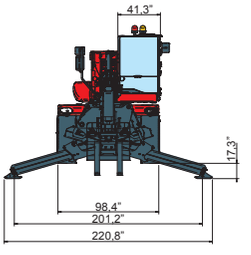
The data in this brochure are informative and subject to change without notice

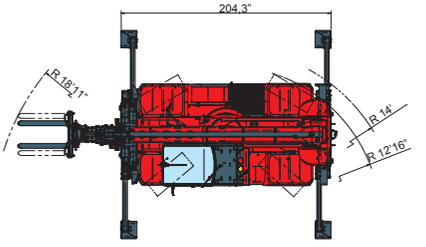
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**MAIN SECTORS**

CONSTRUCTION INDUSTRY



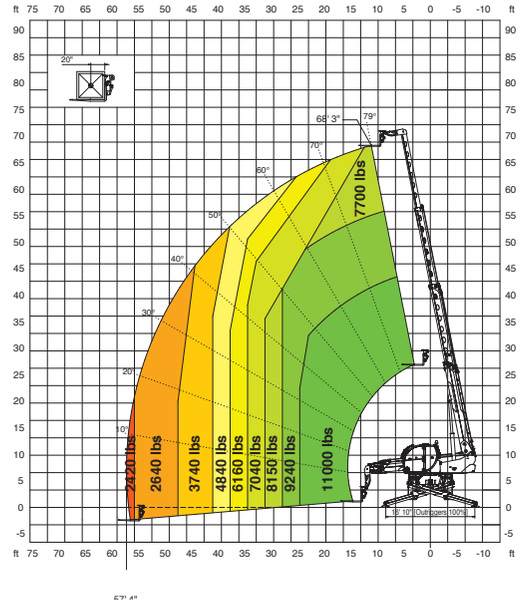




**Magni Telescopic Handlers srl**
Via Magellano, 22 - 41013 Castelfranco Emilia, Modena, Italia - Tel: +39 059 8630811 - Fax: +39 059 8638012
commerciale@magnith.com - www.magnith.com

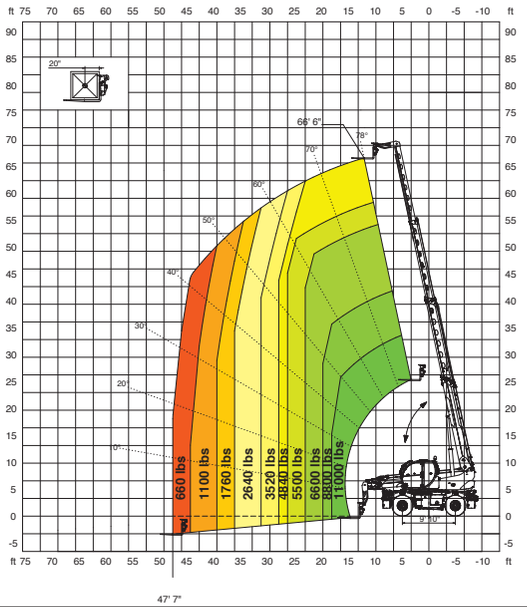
## ON STABILIZERS

### **360°** LOAD CHART
### ON FULLY **EXTENDED STABILIZERS**



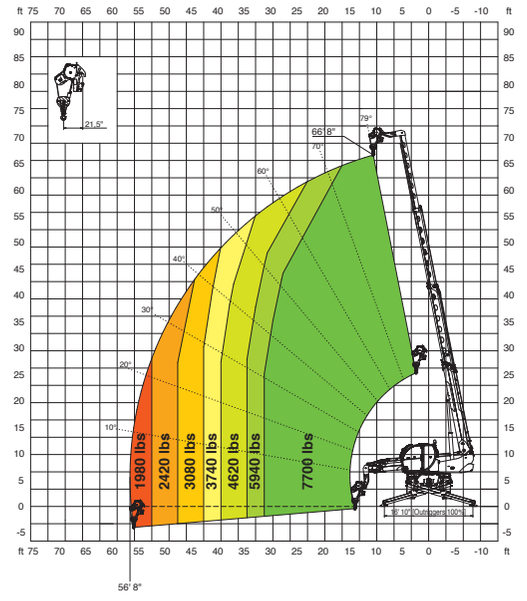

## ON TIRES

### **FRONT** LOAD CHART **ON TIRES**



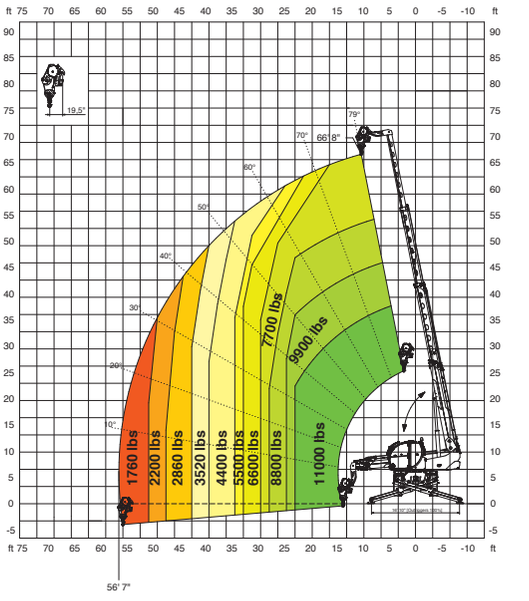

## W 3,5

### WINCH **7,700 lbs**



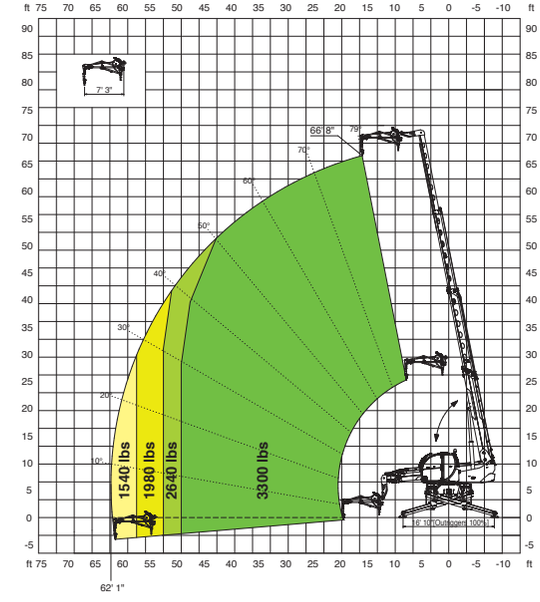

## W 5

### WINCH **11,000 lbs**



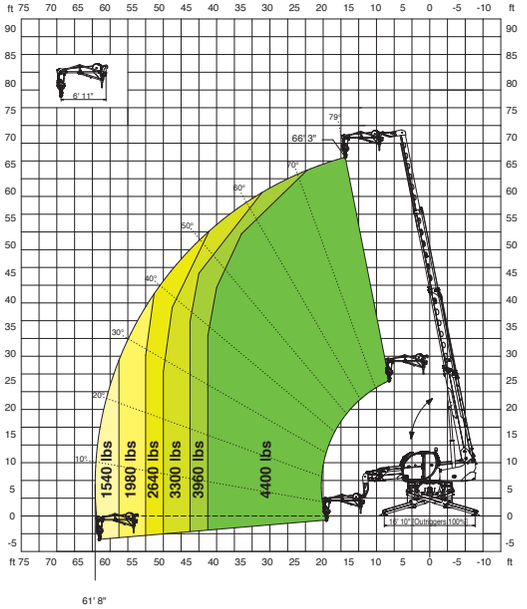

## JW 1500

### JIB WINCH **3,300 lbs**



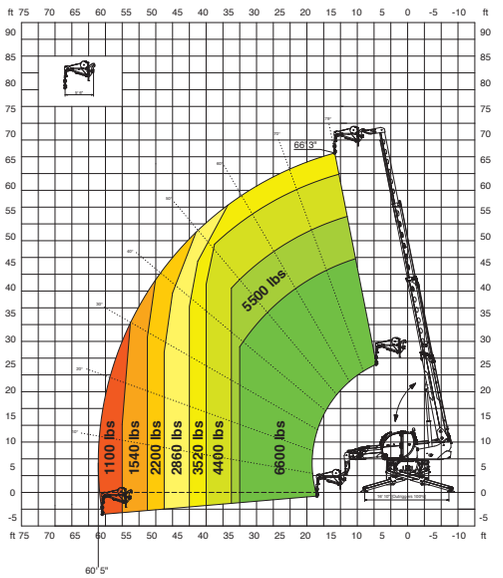

## JW 2000

### JIB WINCH **4,400 lbs**



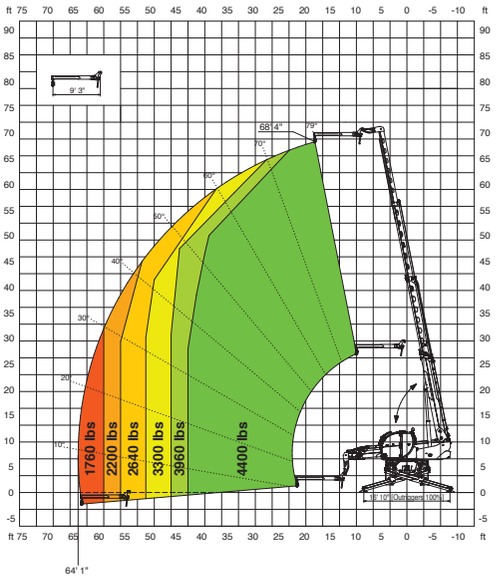
## JW 3000

### JIB WINCH **6,600 lbs**



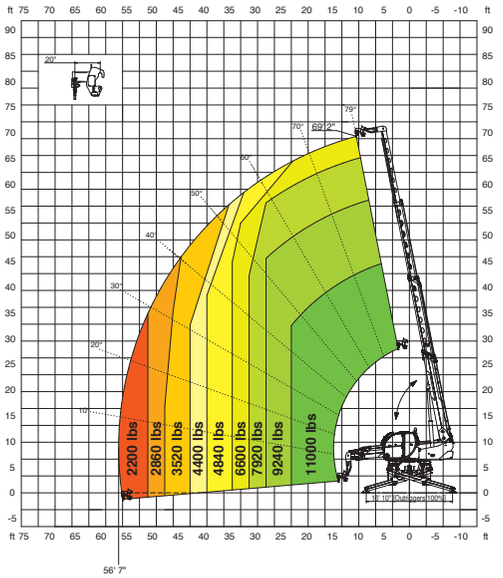

## J 2000

### JIB **4,400 lbs**



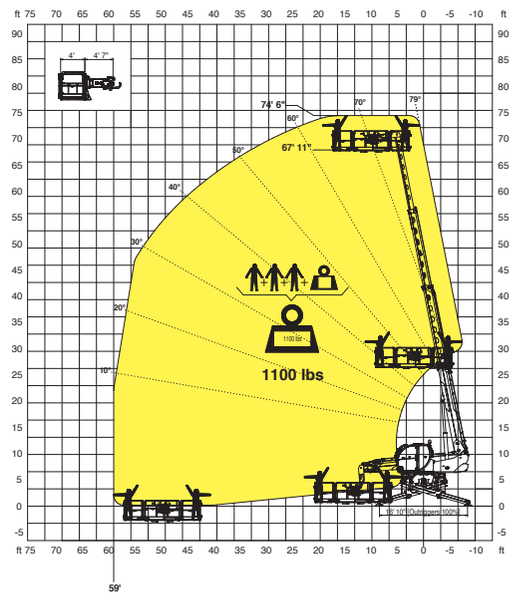

## H 5

### HOOK **11,000 lbs**



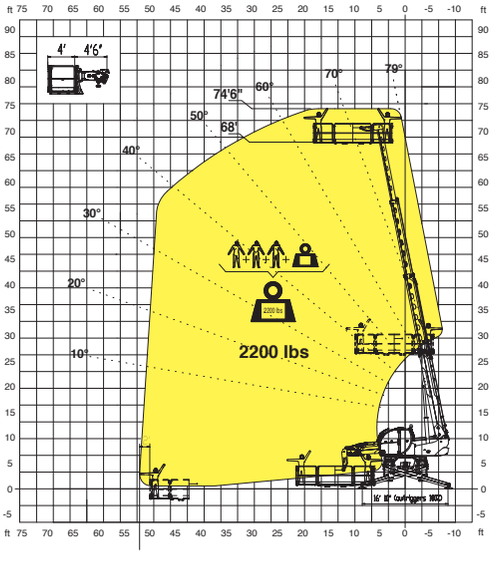

## REP 2-4,5

### ROTATING EXTENDABLE BASKET **1,100 lbs**




## REP 10.2-4,7

### ROTATING EXTENDABLE BASKET **2,200 lbs**




## REP 8.2-4,7 W0,3

### ROTATING BASKET **1,780 lbs** WITH WINCH **660 lbs**

