

6.46SH



Maximum lifting height: 149.6 ft
Maximum reach: 105 ft
Electronically controlled hydrostatic transmission
Automatic leveling device
Scissors stabilizers

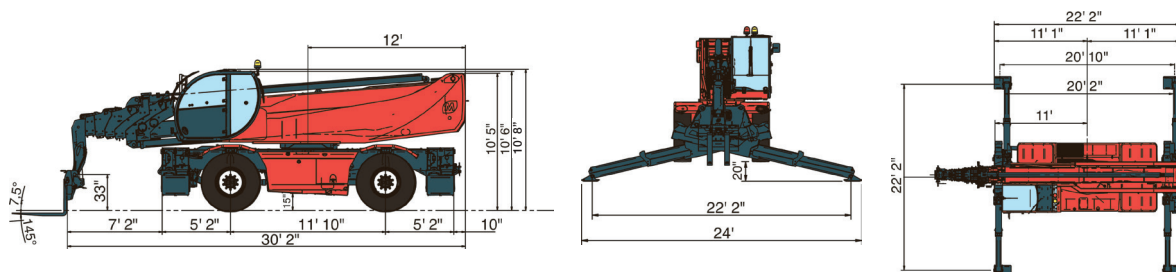
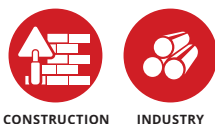
RTH 6.46 SH

MACHINE MODEL	Rotating telescopic handler	RTH 6.46 SH	
	Maximum lifting capacity	13,200 lbs (center of gravity 24 in)	
	Maximum lifting height	149.6 ft	
	Rotation	360° (continuous)	
ENGINE	Type	Mercedes OM 934 LA Stage IV	Mercedes OM 904 LA Stage IIIA
	Rated power	170 kW - 231 HP at 2,200 rpm	145 kW - 196 HP at 2,200 rpm
	Maximum torque	900 Nm at 1,200-1,600 rpm	705 Nm at 1,200-1,600 rpm
	Displacement	1.35 US gal	1.26 US gal
	Cylinders	4 in line	4 in line
	Fuel	Diesel direct injection turbocharged	Diesel direct injection turbocharged
	Cooling system	Water - intercooler	Water - intercooler
TRANSMISSION	Type	Hydrostatic	
	Type	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	17.5 R 25	
PERFORMANCE	Max. travel speed	15 Mph	
	Drawbar pull	121 kN	
	Gradeability	30%	
	Turning radius (end of forks)	303.5 in	
WEIGHTS	Total unladen	67,240 lbs	
	Front axle unladen (boom retracted and lowered)	33,510 lbs	
	Rear axle unladen (boom retracted and lowered)	33,730 lbs	
TANK AND SYSTEM CAPACITIES	Fuel tank	71 US gal	71 US gal
	AdBlue	10 US gal	n.a.
	Hydraulic oil tank	50 US gal	50 US gal
	Engine oil tank	5 US gal	4 US gal
	Cooling liquid	9 US gal	9 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 - 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	
STANDARDS MET	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 EU 2016/1628: concerning engine emissions standards EN 1459-2: concerning the standard of self-propelled variable reach trucks		

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

18C1322 - USA

MAIN SECTORS

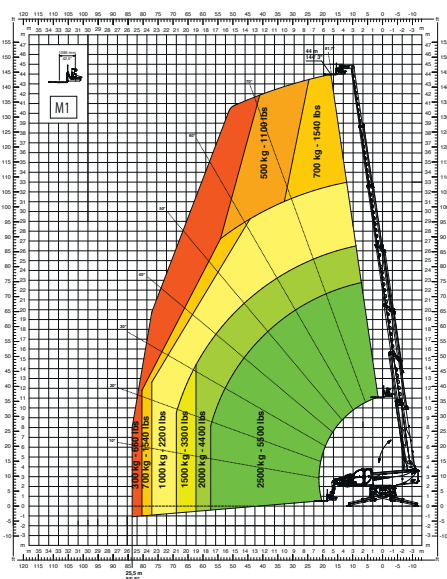


Magni Telescopic Handlers srl

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

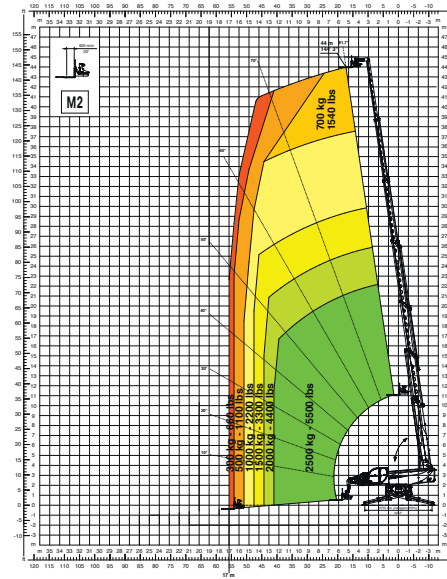
ROTATING FORKCARRIAGE **5,500 lbs - M1**

RFC2,5 M1



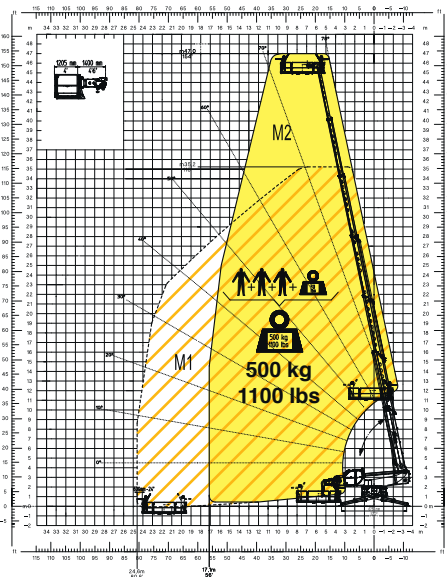
ROTATING FORKCARRIAGE **5,500 lbs - M2**

RFC2,5 M2



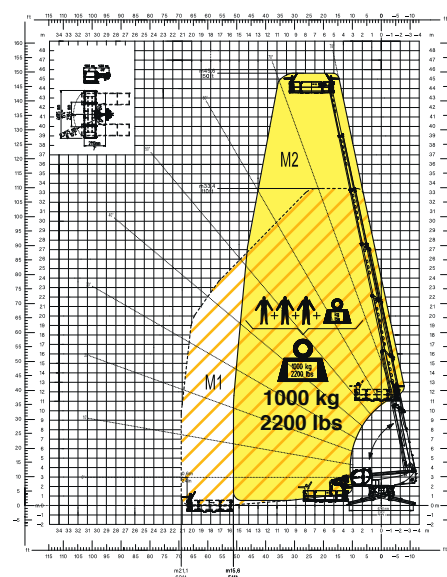
ROTATING EXTENDABLE BASKET **1,100 lbs**

REP 2-4,5



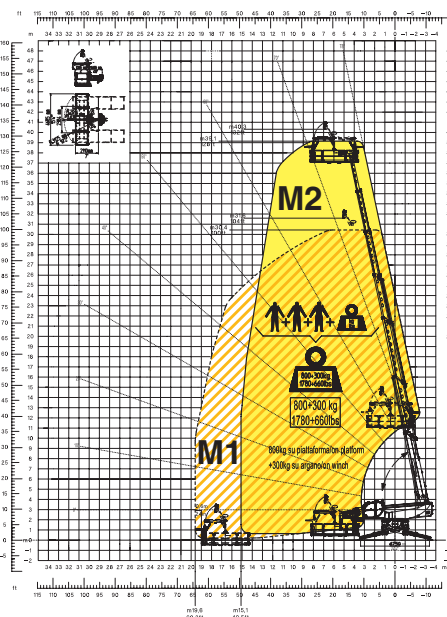
ROTATING EXTENDABLE BASKET **2,200 lbs**

REP 10.2-4,7



BASKET 15.4 ft **1,780 lbs**
WITH WINCH **660 lbs**

REP 8.2-4,7 W0,3



TELESCOPIC BASKET **440 lbs - 33 ft**

TP 2.10

