

RTH

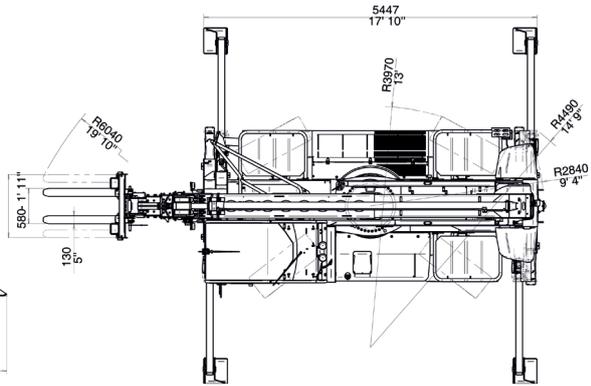
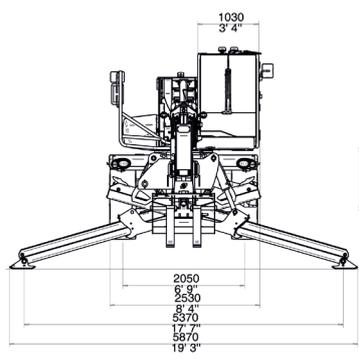
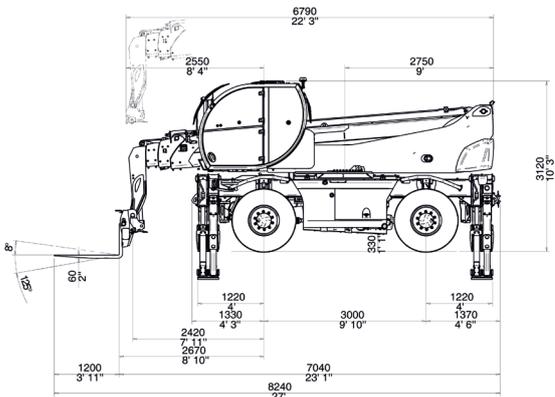
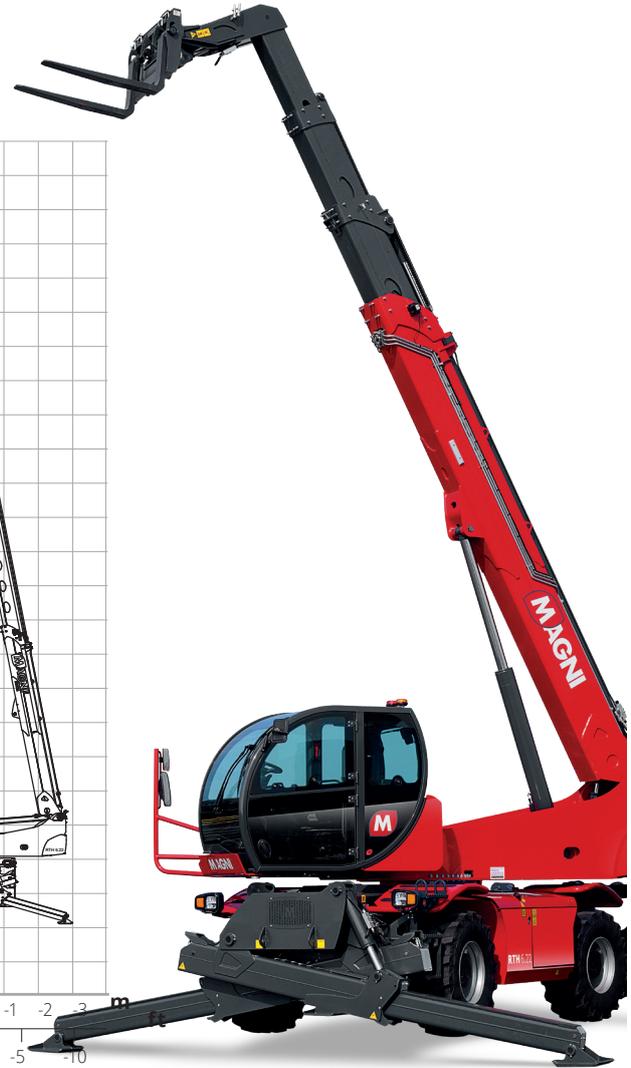
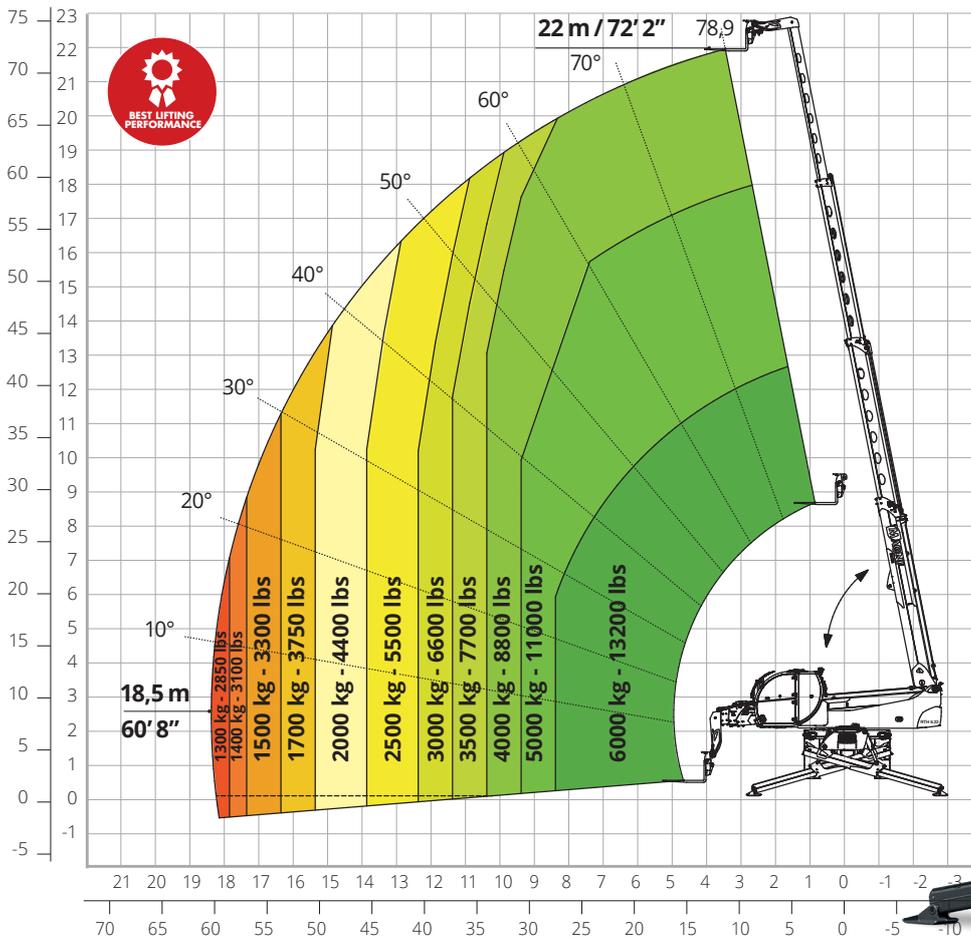


Model available from September 2023
Order intake from February 2023

6.22

PRELIMINARY

360° Load chart on fully extended stabilizers



RTH 6.22

PRELIMINARY

Machine model	Rotating telescopic handler	RTH 6.22	
	Maximum lifting capacity	6,000 kg / 13,200 lbs	
	Maximum reach	18,5 m / 60' 8"	
	Maximum lifting height	22 m / 72' 22"	
	Rotation	360° (continuous)	
Stabilizers	Type	Scissors Stabilizers with single telescopic extension (Magni patented)	
	Commands	Independent or combined	
Engine	Type	Deutz TCD 3,6 L4 Stage V	Deutz TCD 3,6 L4 EDG Stage IIIA
	Rated Power	100 kW (136 hp) @ 2,200 rpm	
	Maximum torque	500 Nm @ 1,600 rpm	
	Displacement	3,620 cm ³	
	Cylinders	4 in linea	
	Engine configuration	Turbocharged direct injection diesel	
	Cooling System	Water - Intercooler	
	N. batteries	2 x 12 V	
	Battery type	SHD	
	Batteries capacity	1,200 A-190 Ah	
Transmission	Type	Hydraulic	
	Maximum pressure	480 bar	
Axles and brakes	Gearbox	2 speeds forward-reverse	
	Type	Axles with planetary gearboxes	
	Front axle	Oscillating, steering with levelling +/-8°	
	Rear axle	Oscillating and steering with hydraulic locking	
	N. steering weels	4WD	
	Steering types	Front/Round/Crab	
	Service brake	Hydraulically operated wet multi-disk brakes on each axle	
	Parking brake	Hydraulic with negative action	
	Tyre sizes	445/65 R22,5	
Performance	Max. travel speed	40 km/h	
	Drawbar pull	68 kN	
	Gradeability	34%	
	Turning circle (at forks)	6,080 mm / 19' 11"	
Weights	Total unladen	19,000 kg / 41,887 lbs	
	Front axle unladen (boom retracted and lowered)	8,200 kg / 18,077 lbs	
	Rear axle unladen (boom retracted and lowered)	10,800 kg / 23,810 lbs	
Tank and system capacities	Diesel fuel tank	240 l / 63 US gal	240 l / 63 US gal
	AdBlue	10 l / 2.6 US gal	/
	Hydraulic fluid	107 l / 28 US gal	107 l / 28 US gal
	Engine oil	9 l / 2.3 US gal	9 l / 2.3 US gal
	Cooling liquid	20 l / 5.2 US gal	20 l / 5.2 US gal
Hydraulic circuit for movements	Circuit type	Load sensing	
	Service pump	Variable displacement piston pump	
	Max hydraulic capacity	130 l/min	
	Max. working pressure	350 bar	
	Distributor for boom and turret movements	SIL 2 electro-proportional valve	
	Movements control	2 no. two-axis Danfoss joysticks with deadman safety device	
Standards met	EN 1459-2: concerning standards for slewing variable-reach trucks		
	EN 280 / EN 280-1: concerning standards for mobile elevating work platforms		
	FOPS Leve 2 / ROPS		
	EU 2016/1628: concerning engine emissions standards		

The data in this brochure are informative and subject to change without notice. All Pictures shown are for illustration purpose only. Actual product may vary.