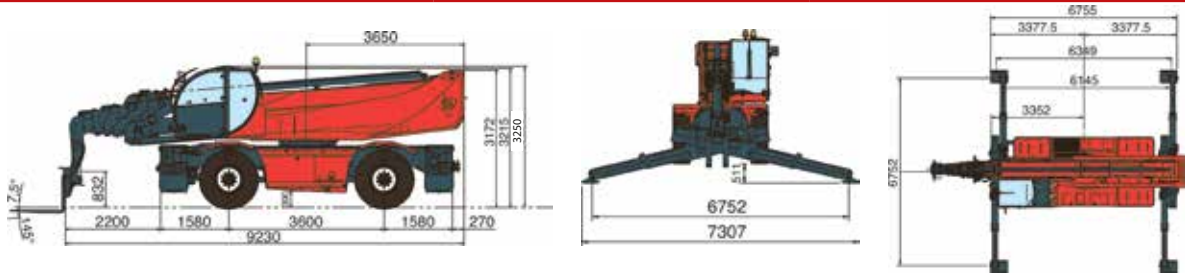
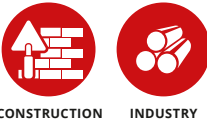


RTH 6.46 SH			
MACHINE MODEL	Rotating telescopic handler	RTH 6.46 SH	
	Maximum lifting capacity	6.000 kg (center of gravity 600 mm)	
	Maximum lifting height	45,6 m	
	Rotation	360° (continuous)	
ENGINE	Type	Mercedes OM 934 LA Stage IV	Mercedes OM 904 LA Stage 3A
	Rated power	170 kW - 231 HP at 2.200 rpm	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	5,13 l	4,8 l
	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	
	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	17.5 R 25	
PERFORMANCE	Max. travel speed	25 km/h	
	Drawbar pull	121 kN	
	Gradeability	30%	
	Turning radius (end of forks)	7.710 mm	
WEIGHTS	Total unladen	30.600 kg	
	Front axle unladen (boom retracted and lowered)	15.300 kg	
	Rear axle unladen (boom retracted and lowered)	15.300 kg	
TANKS CAPACITIES	Fuel tank	280 l	280 l
	AdBlue	40 l	n.a.
	Hydraulic oil tank	250 l	250 l
	Engine oil tank	20,5 l	16 l
	Cooling liquid	36 l	36 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	
CONFORMTY TO STANDARDS	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		

MAIN SECTORS



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

REV07



Maximum lifting height: 45,6 m
Maximum reach: 32 m
Electronically controlled hydrostatic transmission
Automatic levelling device
Scissors stabilizers