

Machine model	Rotating telescopic handler	RTH 8.27
	Maximum lifting capacity	8,000 kg
	Maximum lifting height	26.60 m
	Maximum reach	23.10 m
	Rotation	360° (continuous)
Stabilisers	Type	Telescopic scissor
	Model	Volvo TAD 552 VE Stage IIIA
	Rated power	160 kW (218 hp) at 2,200 rpm
Engine	Maximum torque	910 Nm at 1,450 rpm
	Displacement	5.13 l
	Cylinders	4 in line
	Engine type	Turbocharged direct injection diesel
	Cooling system	Water – intercooler
	Type	Hydrostatic
Transmission	Maximum pressure	480 bar
	Gearbox	Dropbox, 2 speeds forward-reverse
	Type	Axles with planetary gearboxes
	Front axle	Oscillating and steering with levelling, +/-8°
	Rear axle	Oscillating and steering with hydraulic lock
Axles and brakes	No. of driving/steering wheels	4WD - 4WS
	Steering mode	Frontal/Concentric/Crab
	Service brake	Wet multi-disk on front and rear axle
	Parking brake	Hydraulic with negative action on front axle
	Tyre sizes	445/65 R22.5
	Max. travel speed	40 km/h
Performance	Gradeability (unladen)	66%
	Turning radius (at forks)	6,940 mm
Weights	Total unladen*	22,500 kg
	Diesel fuel	270 l
Tank and system capacities	AdBlue	-
	Hydraulic fluid	164 l
	Engine oil	16 l
	Coolant	40 l
	Circuit type	Load sensing
	Service pump	Variable displacement
Hydraulic circuit for movements	Max. hydraulic flow rate	160 l/min
	Max. boom head flow rate	75 l/min
	Max. working pressure	350 bar
	Distributor for boom and turret movements	SIL 2 electro-proportional valve
	Movements control	Dual joystick with integrated manoeuvre enable
Standards met	2006/42/EC: EU Machinery Directive	
	2016/1628: EU Regulation on the emissions of stage V engines	
	EN 1459-X: Relating to standards on the safety requirements for variable reach machines	
	EN 280-1/EN 280-2: standards relating to mobile elevating work platforms (if available)	
	ROPS/level 2 FOPS: relating to the standards for protective structures	

The data given in this brochure are provided for information purposes and are subject to change without prior notice.

All images are purely guideline and might not give an exact representation of the product.

**the stated weight refers to the vehicle unladen with standard equipment and may vary depending on the chosen configuration.*