

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		
Engine	Model	Volvo TAD 552 VE Stage IIIA	Volvo TAD 582 VE Stage V
	Rated power	160 kW (218 hp) at 2,200 rpm	160 kW (218 hp) at 2,300 rpm
	Maximum torque	910 Nm at 1,450 rpm	925 Nm at 1,380 rpm
	Displacement	5.13 l	
	Cylinders	4 in line	
	Engine type	Turbocharged direct injection diesel	
	Cooling system	Water – intercooler	
Transmission	Type	Hydrostatic	
	Maximum pressure	480 bar	
	Gearbox	Dropbox, 2 speeds forward-reverse	
Axles and brakes	Type	Axles with planetary gearboxes	
	Front axle	Oscillating and steering with levelling, +/-8°	
	Rear axle	Oscillating and steering with hydraulic lock	
	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	
Performance	Tyre sizes	445/65 R22.5	
	Max. travel speed	40 km/h	
	Gradeability (unladen)	66%	
	Turning radius (at forks)	6,940 mm	
Weights	Total unladen*	22,500 kg	
	Front axle unladen (boom retracted and lowered)*	9,900 kg	
	Rear axle unladen (boom retracted and lowered)*	12,600 kg	
Tank and system capacities	Diesel fuel	270 l	270 l
	AdBlue	-	40 l
	Hydraulic fluid	164 l	164 l
	Engine oil	16 l	16 l
	Coolant	40 l	40 l
Hydraulic circuit for movements	Circuit type	Load sensing	
	Service pump	Variable displacement	
	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.