

Machine model	Rotating telescopic handler		RTH 8.35
	Maximum lifting capacity		8,000 kg
	Maximum lifting height		34.90 m
	Maximum reach		27.00 m
	Rotation		360° (continuous)
Stabilisers	Type		Telescopic scissor
Engine	Model	Volvo TAD 552 VE Stage III A	Volvo TAD 583 VE Stage V
	Rated power	160 kW (218 hp) at 2,200 rpm	175 kW (238 hp) at 2,300 rpm
	Maximum torque	910 Nm at 1,450 rpm	975 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)		62%
	Turning radius (at forks)		6,780 mm
Weights	Total unladen*		23,990 kg
	Front axle unladen (boom retracted and lowered)*		11,995 kg
	Rear axle unladen (boom retracted and lowered)*		11,995 kg
Tank and system capacities	Diesel fuel	270 l	270 l
	AdBlue	-	40 l
	Hydraulic fluid	215 l	215 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.