

The ultimate sawmill machine

RTD17



RTD17 technical data

Operating data

Operating weight*	55,500 kg
Rated capacity	17,000 kg
Stacking height (with standard grapple)	7.2 m
Standard grapple size	5.5 m ²
Maximum horizontal reach	3.0 m
Turning radius	R 6.5 m
Travel speed	30 km/h

*Weight with standard grapple

Engine

Manufacturer	Volvo
Model	TAD1181VE
Type	6 cylinder diesel engine
Power	265 kW @ 2100 rpm
Torque	1795 Nm @ 1400 rpm
Displacement	10,840 cm ³
Emission standard	Stage V / Tier 5
Fuel tank capacity	510 litres
AdBlue tank capacity	45 litres

Transmission

Manufacturer	Dana
Model	TE 30 Lock-up
Gears fwd / rev	5 / 3
Control	Electrical, automatic, torque converter lock-up.

Drive axle

Manufacturer	Kessler
Model	D102PL341/528-NLB5460
Track	2,812 mm
Width over tyres	3,710 mm
Axle ratio	30,2

Steering axle

Manufacturer	TW
Design	Welded steel construction

Wheels and tyres

Drive axle (single)	35/65R33
Inflation pressure	7.0 bar
Steering axle	18.00R25
Inflation pressure	8.0 bar

Brake system

Service Brake
Hydraulic dual-circuit wet disc brakes, which affect the drive wheels. Brake cooling oil tank capacity 100 litres.

Parking brake
Hydraulic spring actuated disc brake, which affects drive wheels via the drive shaft.

Grapple

Standard grapple size	5.5 m ²
Standard grapple size	5.5P900
Unlimited rotation in both directions. Fully controlled movements. Various grapple models available between 4.5 m ² and 7.0m ² .	

Hydraulic system

Hydraulic system oil capacity	960 litres
Tank capacity	700 litres
Hydraulic pumps and valves Variable displacement axial piston pumps for all main functions. Main hydraulic valves are electronically (proportionally) controlled. Boom and grapple can be operated simultaneously.	
Total pump capacity	1122 litres / min / 2200 rpm
System max. pressure	250 bar
Filtering Full flow with magnetic separator. Air filter in tank (breather). Pressure filter in brake circuit.	
Oil return filter	10 microns
Pressure filter	20 microns

Noise levels

Noise level in the cabin	65 dB
Sound power level to the exterior	103 dB
Noise level according to EN12053+AC. Sound power calculations according to EN12053+AC / ISO 3744.	

Maintenance

Engine oil change interval	1000 h
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Electrical system

Voltage	24 V
Battery	2 x 235 Ah
Alternator	24 V / 150 A

Boom

Welded square pipe construction.
Telescopic boom with double-action cylinder. Boom equipped with plastic slide pads.
Automatic central lubrication system.

Cabin

Safety tested according to ISO 6055-1979.
Equipped with safety grill and laminated safety glass (windscreen).
Excellent ergonomics.

