

# The heavyweight champion

RTD32



# RTD32 technical data

## Operating data

Operating weight*	73,900 kg
Rated capacity	31,000 kg
Static tipping load	
Grapple at carrying position	120,000 kg
Grapple at basic working distance	64,800 kg
Stacking height (with standard grapple)	7.9 m
Standard grapple size	7.8 m <sup>2</sup>
Maximum horizontal reach	4.7 m
Turning radius	R 7.8 m
Travel speed	27 km/h

\*Weight with standard grapple

## Engine

Manufacturer	Volvo
Model	TAD1183VE
Type	6 cylinder diesel engine
Power	315 kW @ 1700 rpm
Torque	1938 Nm @ 1400 rpm
Displacement	10,840 cm <sup>3</sup>
Emission standard	Stage V / Tier 5
Fuel tank capacity	510 litres
AdBlue tank capacity	45 litres

## Transmission

Manufacturer	ZF
Model	5WG310
Gears fwd / rev	5 / 3
Control	
Electrical, automatic, torque converter lock-up.	

## Drive axle

Manufacturer	Kessler
Model	D102PL341/528-NLB8460
Track	3.033 mm
Width over tyres	4.210 mm
Axle ratio	33,44

## Steering axle

Manufacturer	TW
Design	Welded steel construction

## Wheels and tyres

Drive axle (dual)	18.00R33
Inflation pressure	10.0 bar
Steering axle	18.00R33
Inflation pressure	10.0 bar

## Brake system

**Service Brake**  
Hydraulic dual-circuit wet disc brakes, which affect the drive wheels. Brake cooling oil tank capacity 110 litres.

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

## Grapple

Standard grapple size	7.8 m <sup>2</sup>
Standard grapple size	7.8P900
Unlimited rotation in both directions.	
Fully controlled movements.	
Various grapple models available between 7.0 m <sup>2</sup> and 9.4 m <sup>2</sup>	

## Hydraulic system

Hydraulic system oil capacity	1200 litres
Tank capacity	700 litres
Hydraulic pumps and valves Variable displacement axial piston pumps for all main functions. Directional valves are electronically (proportionally) controlled. Boom and grapple can be operated simultaneously.	
Total pump capacity	8651 litres / min / 2000 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

## Noise levels

Noise level in the cabin	68 dB
Sound power level to the exterior	104 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.

