

# 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
<b>Hydraulic pumps and valves</b> 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

## 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.

