



**RTD32**

**THE  
HEAVYWEIGHT  
CHAMPION**



## RTD32 TECHNICAL DATA

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

\*Weight with standard grapple

ENGINE	
Manufacturer	VOLVO
Model	TAD1183VE
Type	6 cylinder diesel engine
Power	315kW @ 1700rpm
Torque	1938Nm @ 1400rpm
Displacement	10840cm <sup>3</sup>
Emission standard	Stage V / Tier5
Fuel tank capacity	510 liters
AdBlue tank capacity	45 liters

TRANSMISSION	
Manufacturer	ZF
Model	5WG310
Gears FWD / REW	5 / 3
Control	
Electrical, automatic, torque converter lock-up	

DRIVE AXLE	
Manufacturer	Kessler
Model	D102PL341/528-NLB8460
Track	3033mm
Width over tyres	4210mm
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 liters.

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

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

HYDRAULIC SYSTEM	
Hydraulic system oil capacity	1200l
Tank capacity	700l

**Hydraulic pumps & valves**  
Variable displacement axial piston pumps for all main functions. Directional valves are electronically (proportionally) controlled. Boom and grapple can be operated simultaneously.

<b>Total pump capacity</b>	865l / min / 2000rpm
<b>System max. pressure</b>	250 bar

**Filtering**  
Full flow with magnetic separator. Air filter in tank (breather). Pressure filter in brake circuit.

Oil return filter	10 microns
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NOISE LEVELS	
Noise level in the cabin	68dB
Sound power level to the exterior	104dB

Noise level according to EN12053+AC. Sound power calculations according to EN12053+AC / ISO 3744.

MAINTENANCE	
Engine oil change interval	1000h

ELECTRIC SYSTEM	
Voltage	24V
Battery	2 x 220Ah
Alternator	24V / 150A

**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.

