



RTD3126

**THE
HEAVYWEIGHT
CHAMPION**

RTD3126 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 ²
Maximum horizontal reach	4.7m
Turning radius	R 7.8m
Travel speed	27km/h

*Weight with standard grapple

ENGINE	
Manufacturer	VOLVO
Model	TAD1371VE
Type	6 cylinder diesel engine
Power	285kW @ 1900rpm
Torque	1925Nm @ 950-1420rpm
Displacement	12780cm ³
Emission standard	Stage IV / Tier4f
Fuel tank capacity	600 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 ²
Standard grapple model	7.8P900
	Unlimited rotation in both directions. Fully controlled movements. Various grapple models available between 7.0m ² and 9.2m ² .

HYDRAULIC SYSTEM	
Hydraulic system oil capacity	1200l
Tank capacity	770l
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.
Total pump capacity	865l / min / 2000rpm
System max. pressure	215 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	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.

