



RTD12 KURO

**THE NEW
GENERATION
CHALLENGER**

RTD12 KURO TECHNICAL DATA

OPERATING DATA	
Operating weight*	36 800kg
Rated intelligent capacity	8000kg / 12 000kg
Static tipping load	
Grapple at carrying position	28 000kg
Grapple at basic working distance	23 500kg
Stacking height (with standard grapple)	7.9m
Standard grapple size	4.0m ²
Maximum horizontal reach	3.0m
Turning radius	R 6.9m
Travel speed	30km/h

*Weight with standard grapple

ENGINE	
Manufacturer	VOLVO
Model	TAD872VE
Type	6 cylinder diesel engine
Power	210kW @ 1700-2200rpm
Torque	1235Nm @ 1100-1600rpm
Displacement	7700cm ³
Emission standard	EU Stage IV / Tier4f
Fuel tank capacity	240 liters
AdBlue tank capacity	45 liters

TRANSMISSION	
Manufacturer	ZF
Model	5WG211
Gears FWD / REW	5 / 3
Control	Electrical, automatic, torque converter lock-up

DRIVE AXLE	
Manufacturer	Kessler
Model	D91PL418/510-NLB
Track	2782mm
Width over tyres	3557mm
Axle ratio	22,03

STEERING AXLE	
Manufacturer	TW
Design	Welded steel construction with Kessler wheel hubs.

WHEELS AND TYRES	
Drive axle (single)	29.5R25
Inflation pressure	6.5 bar
Steering axle	16.00R25
Inflation pressure	8.0 bar

BRAKE SYSTEM	
Service brake	Electro-hydraulic dual-circuit wet disc brakes, which affect the drive wheels. Brake cooling oil tank capacity 50 liters.
Parking brake	Hydraulic spring actuated disc brake, which affects drive wheels via the drive shaft.

GRAPPLE	
Standard grapple size	4.0m ²
Standard grapple model	4.0P900
	Unlimited rotation in both directions. Fully controlled movements. Various grapple models available between 3.7m ² and 4.5m ² .

HYDRAULIC SYSTEM	
Hydraulic system oil capacity	400l
Tank capacity	340l

Hydraulic pumps & valves
One variable displacement double-pump (axial piston) and two gear pumps. Directional valves are electronically (proportionally) controlled. Boom and grapple can be operated simultaneously. Two accumulators for brake energy recovery.

Total pump capacity	550l / min / 1800rpm
System max. pressure	280 bar

Filtering
Full flow return filter. Air filter in tank (breather). Brake cooling circuit with separate filter.

Oil return filter 10 microns

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

MAINTENANCE	
Engine oil change interval	500h

ELECTRIC SYSTEM	
Voltage	24V
Battery	2 x 220Ah
Alternator	24V / 110A

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

CABIN
Designed according to ISO 6055-1979.
Equipped with safety grill and laminated safety glasses.
Mini-sized joysticks.
12" graphical touch screen user interface.
Excellent ergonomics.

