



RTD32 TECHNICAL DATA

OPERATING DATA		DRIVE AXLE		HYDRAULIC SYSTEM	
Operating weight*	73 900kg	Manufacturer	Kessler	Hydraulic system oil capacity	1200l
Rated capacity	31 000kg	Model	D102PL341/528-NLB8460	Tank capacity	700l
Static tipping load		Track	3033mm	Hydraulic pumps & valves	
Grapple at carrying position	120 000kg	Width over tyres	4210mm	Variable displacement axial piston pumps for all main functions. Directional valves are electronically (proportionally) controlled. Boom and grapple can be operated simultaneously.	
Grapple at basic working distance	64 800kg	Axle ratio	33,44	Total pump capacity	865l / min / 2000rpm
Stacking height (with standard grapple)	7.9m	STEERING AXLE		System max. pressure	250 bar
Standard grapple size	7.8m ²	Manufacturer	TW	Filtering	
Maximum horizontal reach	4.7m	Design	Welded steel construction	Full flow with magnetic separator. Air filter in tank (breather). Pressure filter in brake circuit.	
Turning radius	R 7.8m			Oil return filter	10 microns
Travel speed	27km/h				
*Weight with standard grapple					
ENGINE		WHEELS AND TYRES		NOISE LEVELS	
Manufacturer	VOLVO	Drive axle (dual)	18.00R33	Noise level in the cabin	68dB
Model	TAD1183VE	Inflation pressure	10.0 bar	Sound power level to the exterior	104dB
Type	6 cylinder diesel engine	Steering axle	18.00R33	Noise level according to EN12053+AC. Sound power calculations according to EN12053+AC / ISO 3744.	
Power	315kW @ 1700rpm	Inflation pressure	10.0 bar		
Torque	1938Nm @ 1400rpm				
Displacement	10840cm ³				
Emission standard	Stage V / Tier5				
Fuel tank capacity	510 liters				
AdBlue tank capacity	45 liters				
TRANSMISSION		BRAKE SYSTEM		MAINTENANCE	
Manufacturer	ZF	Service brake		Engine oil change interval	1000h
Model	5WG310	Hydraulic dual-circuit wet disc brakes, which affect the drive wheels. Brake cooling oil tank capacity 110 liters.			
Gears FWD / REW	5 / 3	Parking brake			
Control	Electrical, automatic, torque converter lock-up	Hydraulic spring actuated disc brake, which affects drive wheels via the drive shaft.			
GRAPPLE		ELECTRIC SYSTEM		BOOM	
Standard grapple size	7.8m ²	Standard grapple model	7.8P900	Voltage	24V
Standard grapple model	7.8P900	Unlimited rotation in both directions.		Battery	2 x 220Ah
		Fully controlled movements.		Alternator	24V / 150A
		Various grapple models available between 7.0m ² and 9.4m ² .			
CABIN		CABIN		CABIN	
				Safety tested according to ISO 6055-1979.	
				Equipped with safety grill and laminated safety glass (windscreen).	
				Excellent ergonomics.	

