



# VOLVO B8R LOW ENTRY 4X2

Euro 6

<b>Model</b>	<b>B8RLE, 4 x 2</b>
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<b>Weights</b>	
Permitted front axle load (kg)	7500
Permitted drive axle load (kg)	12000
Bogie axle load (kg)	n/a
Permitted tag axle load (kg)	n/a
Permitted GVW (kg)	19500

<b>Engine</b>	<b>D8K</b>
Emission standard	Euro 6
Engine system	EGR, Common rail
Displacement (dm <sup>3</sup> )	7.7
Cylinders/arrangement	6/in-line
<b>Engine rating</b>	<b>D8K280</b>
Output (hp) (±0-4%)	280
Output ISO 1585 (kW) (±0-4%)	210
Torque ISO 1585 (Nm); at engine speed 950-1700 rpm	1071
<b>Engine rating</b>	<b>D8K320</b>
Output (hp) (±0-4%)	320
Output ISO 1585 (kW) (±0-4%)	240
Torque ISO 1585 (Nm); at engine speed 1050-1600 rpm	1224
<b>Engine rating</b>	<b>D8K350</b>
Output (hp) (±0-4%)	350
Output ISO 1585 (kW) (±0-4%)	263
Torque ISO 1585 (Nm); at engine speed 1200-1600 rpm	1428

<b>Fuel tanks</b>	
Diesel (L)	220, 300, 310, 360, 410
Transport (l)	50
AdBlue (L)	30, 48

<b>Transmission and axles</b>	
Gearboxes	Volvo I-Shift AT2412F ZF 6AP1200C (280 hp) ZF 6AP1400C (320 & 350 hp) Voith D864.6 (320 hp)
Front axle	Volvo RFS-L
Rear axle	Volvo RS1228C
Tag axle	n/a
Differential lock	Optional

<b>Suspension and steering</b>	
Air bellows, front	2
Air bellows, drive	4
Air bellows, tag	n/a
Kneeling	Optional
Max wheel angle	53° with 275/70R22.5 tyres
Power steering	Electric driven - hydraulic steering
Steering wheel position	LHD/RHD



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## Electrical system

- Volvo I-Start system
  - dual battery system that separates batteries into two circuits
  - optimised start batteries to increase engine start capability
  - optimised consumer batteries for longer lifetime
- Automatic shut off of main switch at low voltage level
- Load balanced alternators
- Regenerative charge control to increase fuel efficiency

### Number of batteries

Start batteries	2 x 12 V
Consumer batteries	2 x 12 V

### Battery capacity

Consumer batteries	105 Ah
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