

## 27 Technical specifications

### Identification of the vehicle

Position chassis number	Right rear suspension of the vehicle
Position type plate	Left rear suspension of the vehicle

### Dimensions

Length	3.40 m
Height	1.40 m
Width (tilt angle ≤ 25°)	1.30 m
Width (max. tilt angle)	1.60 m
Wheel base	2.70 m
Fuel tank capacity	34 L
Unladen weight	643 kg
Maximum permissible weight	841 kg

### Engine and transmission

Cylinders/valves	4 cylinder 16 valve turbo intercooler
Displacement	659 cc
Bore x stroke	61.0 mm x 56.4 mm
Cooling	water-cooled
Max. power	50 kW (68 bhp) at 6,000 rpm

Max. torque	100 Nm (74 lb.ft) at 3,200 rpm
Emission system	catalytic converter with oxygen sensor
Electrical system battery	14 V/32 A alternator, Volts 12 V / 30 Ah
Ignition	ECU multipoint injection with knock sensor – firing order 1-3-4-2
Spark plugs	NGK IFR6J
Transmission	rear wheel
Type	5-speed manual & reverse
1st gear	3.182
2nd gear	1.842
3rd gear	1.250
4th gear	0.917
5th gear	0.707
Reverse	3.143
Differential	5.545

### Performance

Max. speed	185 km/h (115 mph)
Acceleration	0-100 km/h (60 mph) in 8.2 s
Max. tilt angle	45°
Max. tilt speed	85°/s

78

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Turning circle (curb to curb)	9.5 m
Fuel consumption	
Urban	7.0 L/100 km (40.2 mpg)
Extra-urban	5.0 L/100 km (56.0 mpg)
Combined	5.8 L/100 km (49.0 mpg)

### Wheels, tyres, brakes and suspension

Wheels		double 5-spoke alloy
	front	4.0MT x 17
	rear	6.5J x 15
Tyres	front	140/70 R17 66H (Dunlop Sportmax GPR-100) or another Carver approved and specified tyre
	rear	195/45 R15 78V (Yokohama A539) or another Carver approved and specified tyre
Tyre pressure	front	3.0 bar
	rear	1.6 bar
Brakes		discs on all wheels
Front suspension		single-arm with hydraulic shock absorption

Rear suspension	McPherson suspension with rear-wheel steering
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### Fluids

	Quantity in litres	Minimum specification
Fuel	34	lead-free EURO (RON 95)
Engine oil with / without oil filter	2.7 / 2.5	SAE 5W30 - API SG or higher
Transmission oil	2.25	SAE 75 W – 80/85/90 (API GL3 or GL4)
Cooling fluid		MIN -26°C
Brake fluid		brake fluid DOT 4 or higher
Clutch fluid		brake fluid DOT 4 or higher
Washer fluid	1.0	windscreen cleaning / de-icing fluid
Hydraulic fluid		DVC™ Fluid HPX-1

79