

2005 VOLVO S80

VOLVO
S80

VOLVO
for life



2005

This manual deals with the operation and care of your Volvo.



Welcome to the world-wide family of Volvo owners. We trust that you will enjoy many years of safe

pg. 145 Dimensions and weights

Dimensions

Length	190.9 in. (485 cm)
Width	72.1 in. (183 cm)
Height	57.2 in. (145 cm)
Wheelbase	109.9 in. (279 cm)
Track, front	62.3 in. (158 cm)
Track, rear	61.4 in. (156 cm)
Turning circle (between curbs)	35.8 - 39 ft. (10.9 - 12 m)
Cargo capacity - trunk	14.2 cu. ft. (0.4 m ³)

Weights

AWD = All Wheel Drive **USA** **Canada**

Gross vehicle weight (GVW)

5 cyl. automatic	4560 lbs	-
5 cyl. automatic AWD	4760 lbs	2160 kg
6 cyl. automatic	4670 lbs	2120 kg

Capacity weight *

5 cyl. automatic	890 lbs	-
5 cyl. automatic AWD	890 lbs	400 kg
6 cyl. turbo automatic	890 lbs	400 kg

Curb weight

5 cyl. automatic	3520-3560 lbs	-
5 cyl. automatic AWD	3670-3710 lbs	1675-1690 kg
6 cyl. turbo automatic	3660-3700 lbs	1655-1675 kg

Permissible axle weight, front

5 cyl. automatic	2400 lbs	-
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5 cyl. automatic AWD	2440 lbs	1110 kg
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6 cyl. turbo automatic	2491 lbs	1130 kg
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Permissible axle weight, rear

5 cyl. automatic	2293 lbs	-
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5 cyl. automatic AWD	2400 lbs	1090 kg
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6 cyl. turbo automatic	2293 lbs	1040 kg
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Max roof load	220 lbs	100 kg
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Max trailer weight

(w/o brakes)	1650 lbs	750 kg
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Max trailer weight**(with brakes)**

2" ball	3300 lbs **	1500 kg
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1 7/8" ball	2000 lbs	900 kg
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Max tongue weight	165 lbs	75 kg
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WARNING!

When adding accessories, equipment, luggage and other cargo to your vehicle, the total loaded weight capacity of the vehicle must not be exceeded.

* The max permissible axle loads or the gross vehicle weight must not be exceeded.

** When driving for prolonged periods at temperatures above 86° F (30° C), the maximum recommended weight is 2000 lbs (900 kg).

*** See also section "Trailer towing"

All specifications are subject to change without prior notice.

pg. 146 Engine specifications

Engine specifications**Designation: Volvo B 6294 T**

Output	268 hp at 5200 rpm (200 KW/87 rps)
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Max torque	280 ft. lbs. at 1800-5000 rpm (380 Nm at 35-83 rps)
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Number of cylinders	6
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Bore	3.27" (83 mm)
Stroke	3.54" (90 mm)
Displacement	2.92 liters (115 cu. in.)
Compression ratio	8.5:1
Number of valves	24

Charge air cooler (Intercooler)

Turbocharged engines employ a turbo-compressor to force air into the engine inlet manifold and a charge air cooler to cool the compressed inlet air. The resulting increase in air flow raises pressure in the intake manifold and increases engine power over that developed by the normally-aspirated engine. The charge air cooler (which resembles a radiator) is located between the turbo-compressor and inlet manifold.

Designation: Volvo B 5254 T2

Output	208 hp at 5000 rpm (154 kW/83 rps)
Max. torque	236 ft. lbs. at 1500-4500 rpm (320 Nm/25-75 rps)
Number of cylinders	5
Bore	3.27" (83 mm)
Stroke	3.67" (93.2 mm)
Displacement	2.5 liters
Compression ratio	9.0:1
Number of valves	20

All specifications are subject to change without prior notice.

pg. 147 Oil/fluid specifications and volumes

Engine oil

Meeting minimum ILSAC specification GF-2, including ACEA A1, API SJ, SJ/CF and SJ/Energy Conserving.

Extra oil additives must not be used.

Volume: (including filter):

5-cylinder turbo engine - 6.1 US qts (5.8 liters).

6-cylinder engines - 6.9 US qts (6.6 liters).