

VOLVO



The Volvo 164 is a four-door car with a six-cylinder engine.

The Swedish car that lasts long enough to get you out from under car payments.



The Volvo 142 is a two-door car.

The Volvo 145 is a five-door car.

The Volvo 1800S is a handsome two-seater that looks like a sports car but lasts like a Volvo.

The Volvo 144 is a four-door car.

Specifications



VOLVO 164

Engine-Type B 30

In-line, overhead valve, with dual induction exhaust emission control system, full-flow oil filter and thermostatically-controlled preheating system for air entering the intake manifold.

No. of cylinders	6
No. of main bearings	7
Bore	3.50 in.
Stroke	3.15 in.
Displacement	182 cu. in.
Output	145 bhp SAE 5,500 rpm
Torque	163 ft. lb. SAE 3000 rpm
Compression ratio	9.2:1

Transmission

Four-speed, fully synchronized with floor-mounted gear shift lever. Standard "H" pattern.

Ratios:	1st	3.14:1
	2nd	1.97:1
	3rd	1.34:1
	4th	1.00:1
	Reverse	3.54:1

Optional: Automatic three-speed with column-mounted shift lever, standard P-R-N-D-L gear quadrant.

Rear Axle (Final drive of hypoid type.)

Ratio:	For standard transmission	3.73:1
	For optional automatic	3.31:1

Brake system

Power assisted four-wheel self-adjusting disc brakes. Twin circuits. Each operates on both front wheels and one rear wheel. Warning light signals if one circuit fails. Single circuit provides 80% of full four-wheel braking efficiency. Special rear wheel pressure relief valves assure maximum stability during emergency stops. Separate mechanically operated rear wheel drum parking handbrake. Lining area 27 sq. in.

Disc Diameter:	Front	10.7 in.
	Rear	11.6 in.
Pad Area:	Front	27.0 sq. in.
	Rear	14.4 sq. in.

Steering (Power assisted, recirculating ball and nut)

Turns, lock to lock	3.7
Turning circle	31 ft. 6 in.

Recessed steering wheel with collapsible steering column.

Dimensions and Weights

Wheelbase	106.3 in.
Length	185.6 in.
Height	56.7 in.
Width	68.3 in.
Ground clearance	7.1 in.
Track, front and rear	53.1 in.
Curb weight, approx.	2928 lbs.

Standard Equipment

Leather-covered seats. Fitted carpets. Simulated wood-grained dashboard. Trip meter. Electric defroster on rear window. 2 outside tinted rearview mirrors. Cigarette lighter. Lights in trunk and engine compartment. Three-point factory-installed safety belts on front seat. Three factory-installed lap belts on rear seat.

High-impact, laminated tinted glass in windshield. Rearview mirror with manually operated anti-dazzle device. Two-speed electric windshield wipers. Electric windshield washers. Combined steering wheel lock and ignition switch. Mudflaps all around.

ALL MODELS

Cooling System

Sealed with anti-freeze. Coolant circulation by engine-driven pump. Transparent expansion tank. Engine fan's speed limited to reduce noise and increase gas mileage (not available on 1800S).

Fuel System

Twin horizontal carburetors supplied by mechanical pump.

Tank Capacity:	142, 144, 145, 164	15.50 gal.
	1800S	11.75 gal.

Electrical System

Voltage	12
Battery Capacity	60 amp. hr.
Alternator Rating	35 A
Starter Motor Output	1 hp

Wheels and Tires

Balanced, pressed-steel wheels with safety rims. Stainless steel hubcaps. 142, 144, 145 and 164 come with white-sidewall tubeless tires. 1800S comes with high-performance radial tires with tubes.

Rim Size:	4 1/2 x 15
Tire Size:	142, 144, 145, 164 6.85 x 15
	1800S 165 SR 15

Suspension

Front: Independent with ball joints and rubber-mounted control arms. Anti-sway bar. Coil springs with telescopic shock absorbers. No lubrication of front suspension and drive shaft components is required for the life of the car. Rear: Solid rear axle carried by longitudinal rubber-mounted support arms and torque rods. Transverse location by rubber-mounted track rod. Coil springs with telescopic shock absorbers. 145 station wagon is equipped with heavy-duty coil springs plus auxiliary rubber springs.

Body

Integral all-welded steel. Fully rustproofed and undercoated. Passenger compartment surrounded with boxed steel members.

VOLVO 142, 144, 145 and 1800S

Engine-Type B 20

In-line, overhead valve, with dual induction exhaust emission control system, full-flow oil filter. Thermostatically-controlled preheating system for air entering the intake manifold (not available on 1800S).

No. of cylinders	4
No. of main bearings	5
Bore	3.50 in.
Stroke	3.15 in.
Displacement	121 cu. in.
Output	118 bhp SAE 5,800 rpm
Torque	123 ft. lb. SAE 3,500 rpm
Compression ratio	9.5:1

Transmission

Four-speed, fully-synchronized, with floor-mounted gearshift lever.

Ratios:	1st	3.13:1
	2nd	1.99:1
	3rd	1.36:1
	4th	1.00:1
	Reverse	3.25:1

Optional: Fully automatic hydraulic three-speed transmission with column-mounted shift lever and standard quadrant. Available for all models except 1800S.

Overdrive (1800S only)

Electrically operated on 4th gear by means of finger-controlled lever mounted on steering column. Ratio: 0.797:1.

Rear Axle (Hypoid)

Ratio:	For standard transmission	4.3:1
	For optional automatic	4.1:1

Steering (Cam and roller)

	142, 144, 145	1800S
Turns, lock to lock	4.0	3.25
Turning circle	30 ft. 4 in.	29 ft. 10 in.

Brake System (142, 144, 145)

Power assisted four-wheel self-adjusting disc brakes. Twin circuits. Each operates on both front wheels and one rear wheel.

Disc Diameter:	Front	10.7 in.
	Rear	11.6 in.
Pad Area:	Front	22.8 sq. in.
	Rear	14.4 sq. in.

Brake system (1800S)

Power assisted. Twin circuits. Each operates on both front wheels and one rear wheel. Front: Self-adjusting 10.9 in. discs. Rear: Self-adjusting 9.0 in. drums. Effective swept brake area: 339 sq. in.

Dimensions and Weights

	142, 144, 145	1800S
Wheelbase	102.4 in.	95.5 in.
Length	182.7 in.	173.3 in.
Height	56.7 in.	50.5 in.
Width	68.1 in.	67.0 in.
Track, front and rear	53.1 in.	51.7 in.
Curb weight, approx.	142 2,549 lb.	2,436 lb.
	144 2,619 lb.	
	145 2,727 lb.	

145 Cargo Compartment

Volume, approx.	67 cu. ft.
Supplementary space	3.5 cu. ft.
Length, max.	74.0 in.
min.	44.5 in.
Width, max.	52.0 in.
min.	42.0 in.
Height	33.0 in.
Tailgate	31.5 in. x 46.0 in.

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