

GROUP A VOLVO 240 TURBO, TECHNICAL SPECIFICATIONS 1985

Engine:

Type:	Volvo B21ET, turbocharged 4-cylinder in line
Distribution:	1 overhead camshaft (belt-driven), 2 valves per cylinder.
Fuel injection:	Bosch
Turbocharger:	Garrett Airsearch 13 with intercooler
Water injection:	Volvo electronic system
Ignition:	Volvo electronic system
Lubrication:	Wet sump system, with front radiator
Engine capacity:	2.141 cm ³ .
Equivalent capacity:	(x 1,4 for turbocharging): 2.998 cm ³
Bore x stroke:	92,3 x 80 mm
Valve diameter:	Inlet 44 mm exhaust 35 mm
Turbo boost:	1,45 bars. (Electronically controlled, varies between 1,20 to 1,45 bars depending on thermal load on the engine.)
Maximum power:	320 hp (250 kW) at 6.600 rpm
Maximum torque:	400 Nm 4.000 - 6.000 rpm. Note: somewhat less then 1984 specifications, to save fuel

Transmissions:

Type:	5-speed Getrag manual gearbox with syncro
Clutch:	Borg & Beck dry single disc Dana/Spicer limited slip diff.

Chassis:

Steel body work of unitary construction.	2 doors 4/5 seater.
Suspensions:	Front: independent struts with bottom wishbone, coil springs and Bilstein gasfilled dampers, anti-roll bar. Rear: Live axle, 4-trailing arms and Panhard rod, coil springs and Bilstein gas- filled dampers, anti-roll bar.
Steering:	Rack and pinion. 3,5 turns alt 2,6 turns servo assisted from lock to lock.
Brakes:	4 ventilated discs, aluminium AP-Lockhead 4-pots calipers, adjustable balance front to rear. Disc diameter front: 315 mm, rear: 305 mm. Disc thickness front: 30 mm, rear: 30 mm.
Dimensions:	Wheelbase: 2.650 mm. Front track: 1.430 mm. Rear track: 1.360 mm. Overall length: 4.878 mm. Overall width: 1.710 mm.
Fluid capacity:	Fuel tank: 120 liters (according to Group A regulations). Engine Oil: 6 liters (with radiator). Engine coolant: About 10 liters. Water injection tank: 30 liters.
Wheels:	Magnesium rims, with central locking nut. Dimensions: 8.1/2-8.3/4x16
Tires:	Pirelli P7 Corsa. 245/45 VR16
Curb Weight:	Minimum of 1.035 kg permitted by regulation.

Performance:

Maximum speed:	Over 250 km/h, according to final ratio.
Final ratios:	1:4,56, 1:3,91, 1:3,73, 1:3,54, 1:3,31, 1:3,15 and 1:3,86.