

VOLVO POWER D16 625



SPECIFICATIONS

Engine / Vehicle Model Volvo D16 / Volvo VT

Base Engine Configuration	4 cycle / inline 6
2004 Emissions	Cooled Exhaust Gas Recirculation
Aspiration	Sliding Nozzle Variable Geometry Turbocharger
Cam / valve configuration	SOHC / 4 per cylinder
Cylinder head	One Piece, Rigid Construction
Injection system	Dual Solenoid Electronic Unit Injectors
Electronic management system	VECTRO III
Displacement, cu. In (L)	984 (16.1)
Compression ratio	16.0:1
Bore & stroke, in (mm)	5.67 x 6.50 (144 x 165)
Dry weight, lb (kg)	3036 (1377)

Rating D16 625 I-Torque

Advertised power, hp	625
Peak Power, hp	630
Peak Torque, lb-ft @ rpm	2250 @ 1100 rpm
Governed rpm	2000
High idle rpm	2100
Recommended cruise range, rpm	1300-1550
Start engagement torque, lb-ft @ rpm	1050 @ 800
Torque in low speed gears >5.0:1, lb-ft	1850
Torque in middle speed gears, lb-ft	2050
Torque in high speed gears <2.6:1, lb-ft	2250

Lubrication (1)

Total oil change capacity, qts (L)	55 (52)
Number of oil filters	2 full flow, 1 by-pass
Oil change interval, miles (km):	
Severe duty, VDS-2 and EO-N Prem Plus oil	20,000 (32,000)
Standard duty, VDS-2 and EO-N Prem Plus oil	35,000 (56,000)

Engine Equipment

Air compressor flow, CFM	18.7
Volvo Exhaust Pressure Governor (EPG)	standard
Volvo Electric Preheater	standard
Volvo Engine Mounted Primary Fuel Filter	standard
Volvo Engine Brake (VEB)	standard
Retardation at cruise, hp @ rpm	340 @ 1500
Engine brake weight, lb (kg)	25 (12)

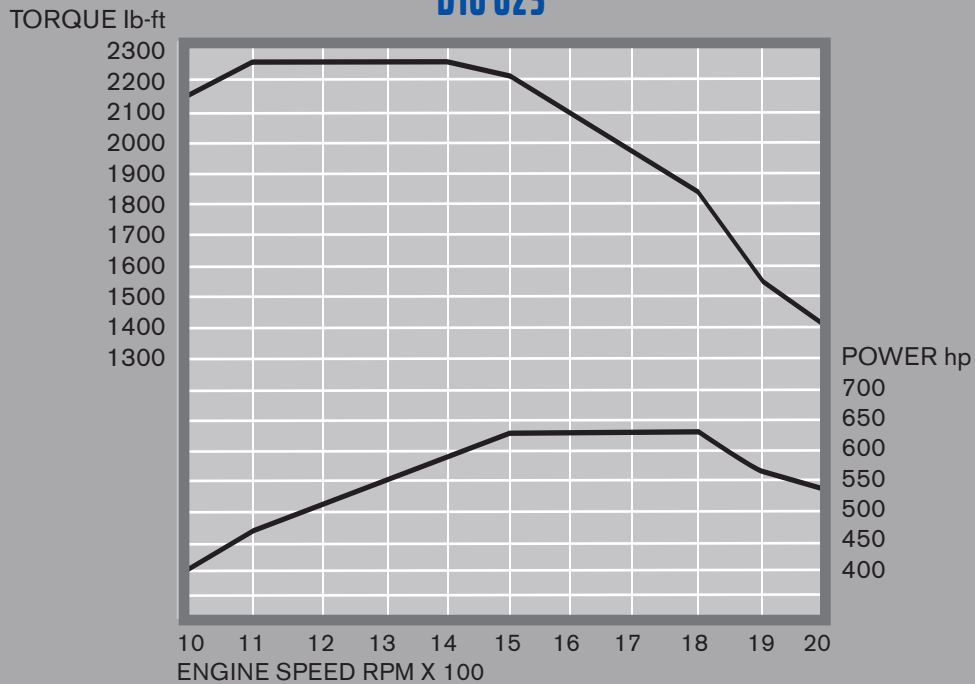


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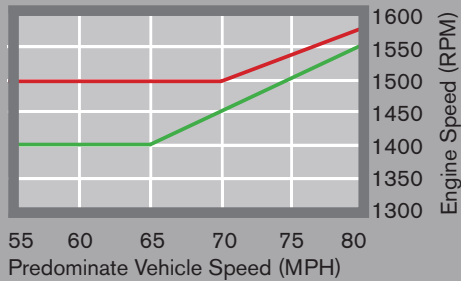
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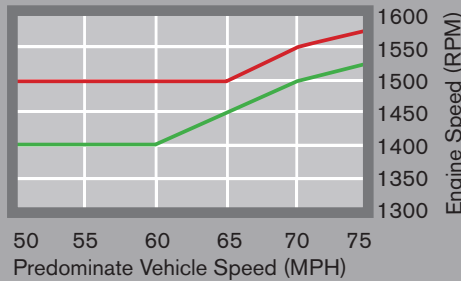


VOLVO DRIVETRAIN RECOMMENDATIONS

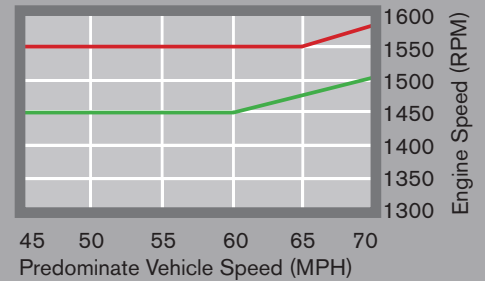
Line haul 80k Lbs GCW



Line haul 80k to 110k Lbs GCW



Line haul >110k Lbs GCW



— Maximum Performance
— Maximum Fuel Economy



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