

MSG-425_{EFI}

**2.5 Liter
4-Cylinder**



Options

Engine Cooling Fans

- 15" (381mm) diameter suction
- 15" (381mm) diameter pusher

Flywheels

- 10" (254mm) SAE over-center clutch
- flat face flywheel

Flywheel Housings

- SAE #4

Exhaust Manifold

- rear dump down

Power Steering Pump

Wiring Harnesses

Discrete Speed Switch

Variable Speed Hand Throttle

Variable Speed Foot Pedal

Engine Mounts

- Automotive with insulators
- Open power unit

Electronic Instrument Panel, Gauges

Three Way Catalyst / Muffler Standard

Transmissions

- 6R80 electronic shift
- C6 Mechanical

Emissions Information

California Air Resources Board (CARB)
Environmental Protection Agency (EPA)
Emission Certified Packages Available.

Warranty

Contact Engine Distributors, Inc
for warranty details.



Powertrain Assemblies
& Components
Provided By Ford
Component Sales

Specifications

Engine Type	.....I-4
Bore and Stroke	.....3.5" x 3.93" (89mm x 100mm)
Displacement	.....2.5L Liter (152.5 CID)
Compression Ratio	.....9.7:1
Oil Capacity	.....7 qts. including filter
Net Weight	.....351 Lbs. with accessories (159 Kgs.)
Dimensions	.....L 30.3" x W 23.3" x H 32.6" (769 mm x 589 mm x 828 mm)

Gasoline (corrected per SAE J1349)

Unleaded 87 or 89 octane		
Intermittent Power	.....84 [HP] @ 3200rpm	(62 [kW] @ 3200rpm)
Continuous power	.....75 [HP] @ 3200rpm	(56 [kW] @ 3200rpm)
Intermittent Torque	.....137 [ft-lbs] @3200rpm	(185 [N-m] @ 3200rpm)
Continuous Torque	.....123 [ft-lbs] @3200rpm	(166 [N-m] @ 3200rpm)

Natural Gas (corrected per SAE J1349)

Fuel Specification	.....1050 BTU/FT3
Intermittent Power	.....76 [HP] @ 3200rpm (56 [kW] @ 3200rpm)
Continuous power	.....68 [HP] @ 3200rpm (50 [kW] @ 3200rpm)
Intermittent Torque	.....125 [ft-lbs] @3200rpm (169 [N-m] @ 3200rpm)
Continuous Torque	.....113 [ft-lbs] @3200rpm (153 [N-m] @ 3200rpm)

Liquefied Petroleum Gas (corrected per SAE J1349)

Fuel Specification	.....HD-5
Intermittent Power	.....80 [HP] @ 3200rpm (59 [kW] @ 3200rpm)
Continuous power	.....72 [HP] @ 3200rpm (53 [kW] @ 3200rpm)
Intermittent Torque	.....131 [ft-lbs] @3200rpm (177 [N-m] @ 3200rpm)
Continuous Torque	.....118 [ft-lbs] @3200rpm (160 [N-m] @ 3200rpm)

Standard Features / Benefits

- Set-for-life valvetrain
- Deep skirted, ribbed cylinder block casting for rigidity
- Aluminum AA319 cylinder block cast with the Cosworth process, including cast-in-place iron cylinder liners.
- Chain driven dual camshafts with automatic tensioning system
- Structural front cover and oil pan
- Alternate fuel ready valvetrain components
- Individual coil on plug electronic ignition
- Cast aluminum camshaft cover to ensure warp-free sealing
- Sintered metal connecting rods
- Nodular iron crankshaft, featuring five main bearings, eight counterweights
- Broadband knock sensor, calibrated for individual cylinder use
- Gasoline Sequential Port Fuel Injection
- Closed loop fuel control for all fuels
- Electronic engine management system with built-in engine protection against detonation, high coolant temperature, low oil pressure, over speed shutdown and starter lockout
- Next generation governing – discrete speeds, variable speeds, drive by wire – using the highest quality components.