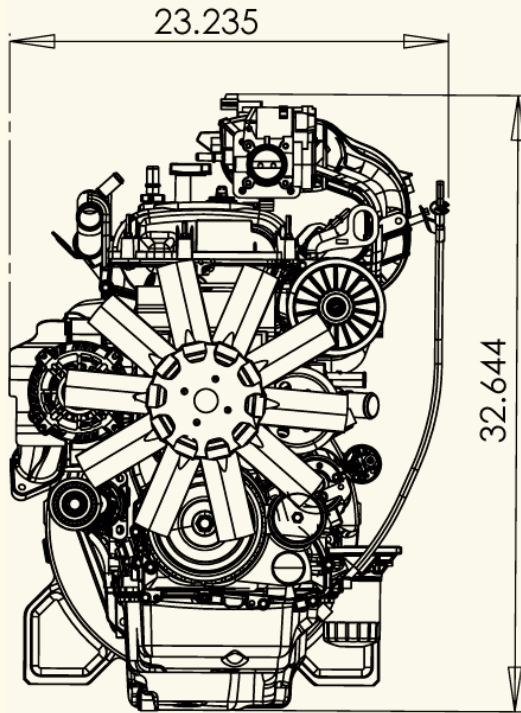
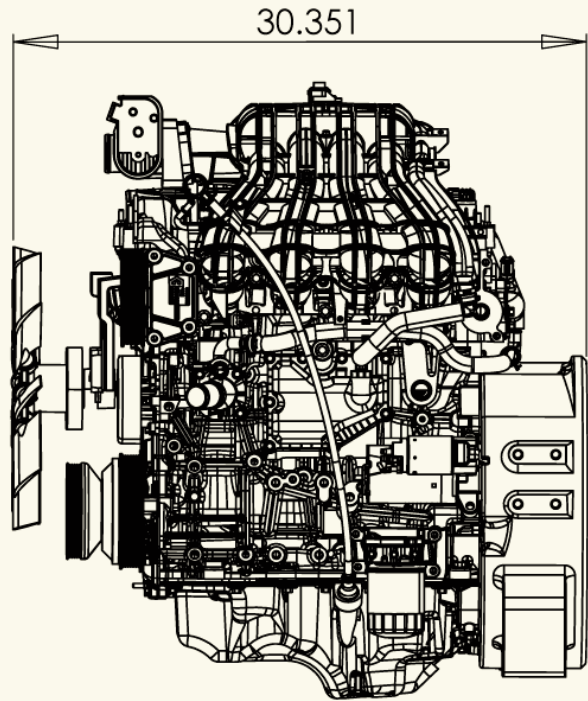


Installation Drawings

Front End View

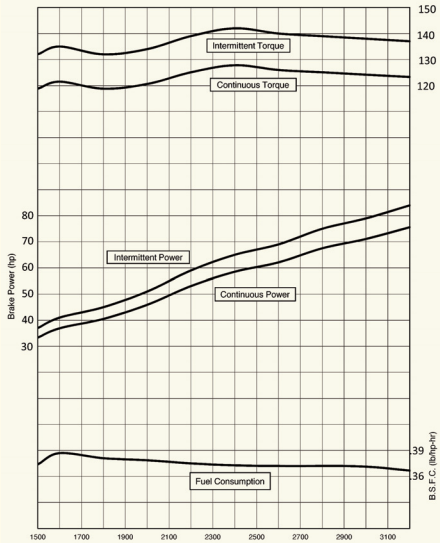


Left Side View

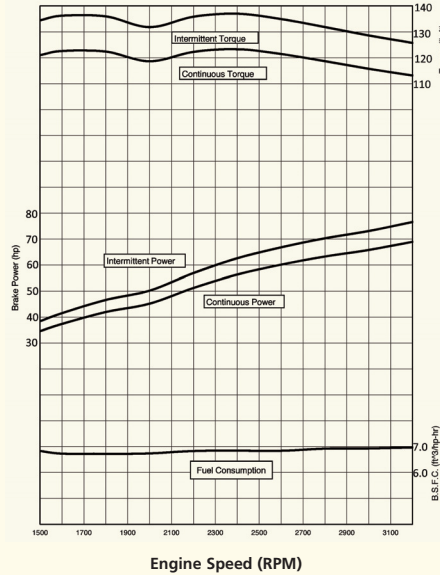


Power Curves (corrected per SAE J1349)

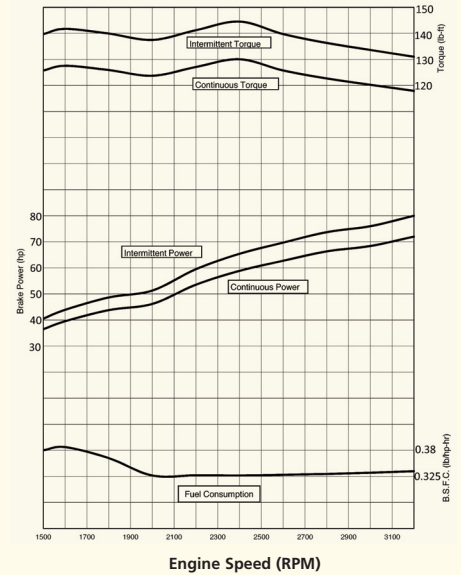
Gasoline



Natural Gas



Liquefied Petroleum Gas



Powertrain Assemblies
& Components
Provided By Ford
Component Sales



For additional information Contact:

Mark Doebler - Senior Sales Engineer
Mobile - (651) 364-0773
Email - markdoebler@macallister.com
www.macallisterpowersystems.com

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.