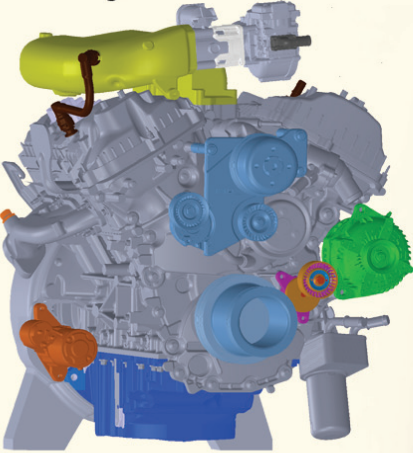


# LSG-635 EFI

## 3.5 Liter 6-Cylinder



### Options

#### Engine Cooling Fans

- 18" (457mm) diameter suction
- 18" (457mm) diameter pusher

#### Flywheels

- 11.5" (292mm) SAE over-center clutch
- flat face flywheel

#### Flywheel Housings

- SAE #3

#### Exhaust Manifold

- rear dump down

#### Power Steering Pump

#### Air Conditioning

#### 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

### Emissions Information

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

### Warranty

Contact Engine Distributors, Inc  
for warranty details.



Powertrain Assemblies  
& Components  
Provided By Ford  
Component Sales

### Specifications

Engine Type .....	V-6
Bore and Stroke .....	3.6" x 3.4" (92.5mm x 86.7mm)
Displacement .....	3.5L Liter (212 CID)
Compression Ratio .....	11.8:1
Oil Capacity.....	6 qts. including filter
Net Weight .....	355 Lbs. with accessories (161 Kgs.)
Dimensions .....	L 32.4" x W 27.5" x H 33.7" (823 mm x 698 mm x 856 mm)

### Gasoline (corrected per SAE J1349)

Unleaded 87 or 89 octane		
Intermittent Power .....	118 [HP] @ 3200rpm	(88 [kW] @ 3200rpm)
Continuous Power .....	104 [HP] @ 3200rpm	(77 [kW] @ 3200rpm)
Intermittent Torque .....	193 [ft-lbs] @ 3200rpm	(262 [N-m] @ 3200rpm)
Continuous Torque .....	170 [ft-lbs] @ 3200rpm	(230 [N-m] @ 3200rpm)

### Natural Gas (corrected per SAE J1349)

Fuel Specification .....	1050 BTU/FT3	
Intermittent Power .....	121 [HP] @ 3600rpm	(90 [kW] @ 3600rpm)
Continuous Power .....	106 [HP] @ 3600rpm	(79 [kW] @ 3600rpm)
Intermittent Torque .....	248 [ft-lbs] @ 2600rpm	(183 [N-m] @ 2600rpm)
Continuous Torque .....	218 [ft-lbs] @ 2600rpm	(161 [N-m] @ 2600rpm)

### Liquefied Petroleum Gas (corrected per SAE J1349)

Fuel Specification .....	HD-5	
Intermittent Power .....	135 [HP] @ 3600rpm	(100.8 [kW] @ 3600rpm)
Continuous Power .....	119 [HP] @ 3600rpm	(89 [kW] @ 3600rpm)
Intermittent Torque .....	198 [ft-lbs] @ 2000rpm	(268 [N-m] @ 2000rpm)
Continuous Torque .....	174 [ft-lbs] @ 2000rpm	(236 [N-m] @ 2000rpm)

### Standard Features / Benefits

Set-for-life valvetrain

Deep skirted, ribbed cylinder block casting for rigidity

150 AMP Alternator

Aluminum cylinder block and heads.

Chain driven dual camshafts with automatic tensioning system

Structural front cover and deep sump oil pan

Alternate fuel ready valvetrain components

Individual coil on plug electronic ignition

Four main bolts with side bolts through block for strength  
and durability

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.

Variable CAM Timing for intake camshafts - advances or retards  
timing to maximize engine power and fuel efficiency

Forged steel crankshaft

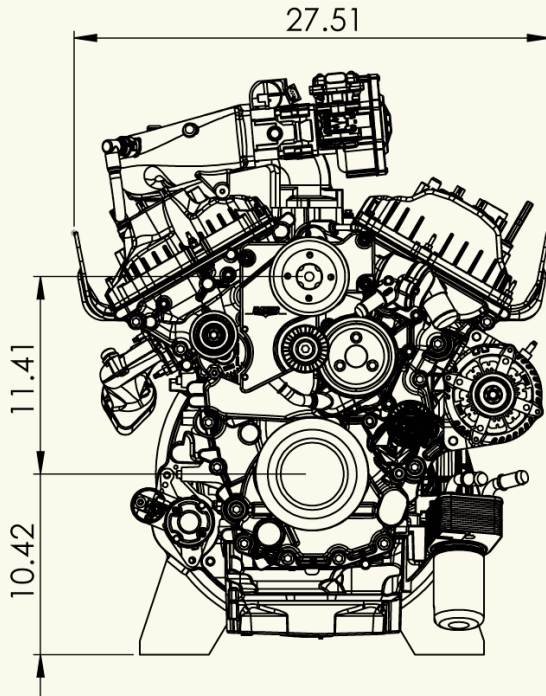
For Additional Information Contact:



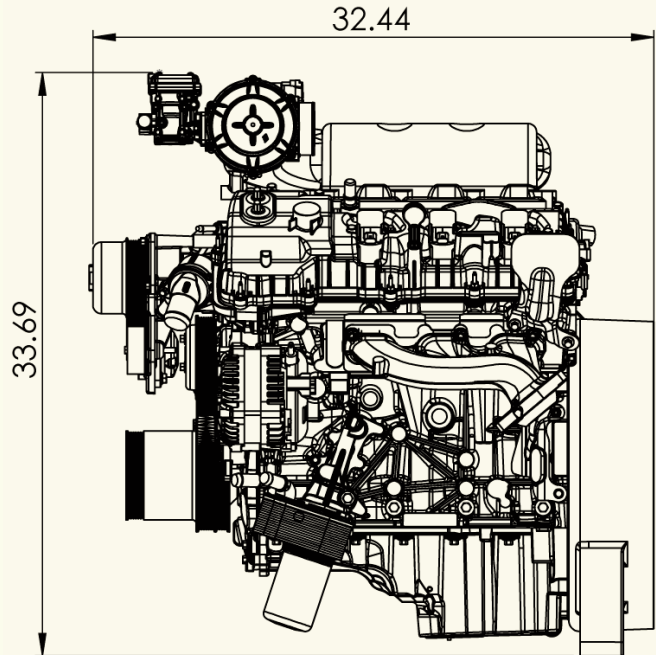
Mark Doebler - Senior Sales Engineer  
Mobile - (651) 364-0773  
Email - markdoebler@macallister.com  
www.macallisterpowersystems.com

# Installation Drawings

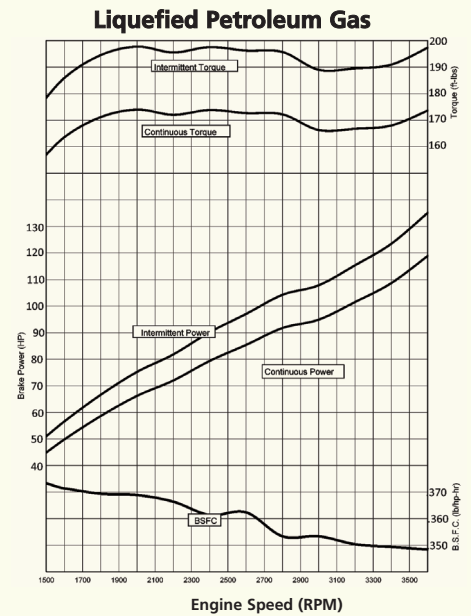
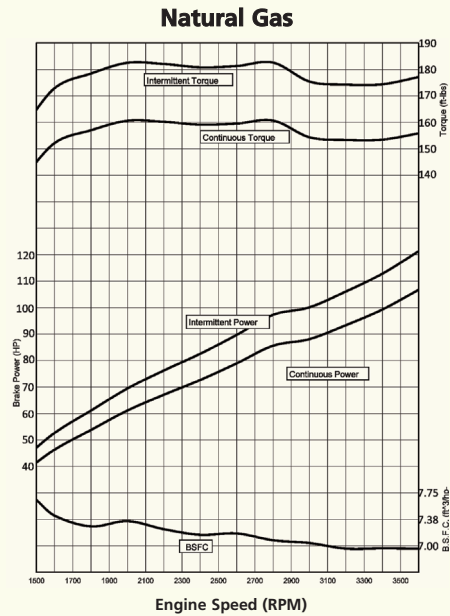
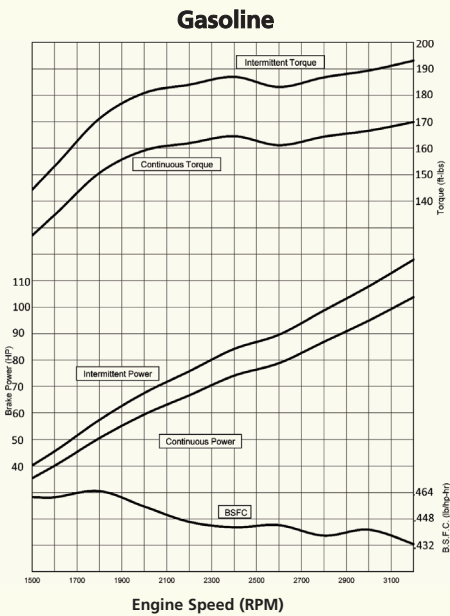
Front End View



Left Side View



## Power Curves (corrected per SAE J1349)



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