

# WSG-1068

## 6.8-Litre 10-Cylinder



### Options

#### Lifting Eyes

#### Flywheels

- 11.5" (292.1mm) over-center
- 12.0" (304.8mm) Flat-faced

#### Flywheel Housings

- SAE #3 with feet, without side mounting pads

#### Clutch

- 12.0" (304.8mm) spring loaded

#### Generator

- 12V 110 AMP

#### Stainless Steel Exhaust Manifolds

#### Starter

#### FEAD with Single Serpentine Belt

#### Engine Cooling Fans

- Suction
- Pusher

#### Wiring Harnesses

#### Discrete Speed Switch

#### Variable Speed Hand Throttle

#### Variable Speed Foot Pedal

#### Engine Mounts

#### Electronic Instrument Panel, Gauges

#### Three Way Catalyst / Muffler

### 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 .....	V-10
Bore and Stroke .....	3.55" x 4.17" (90.2mm x 105.8mm)
Displacement .....	6.8 Litre (415 CID)
Compression Ratio .....	9:1
Oil Capacity .....	6 qts. including filter (4.26 litres)
Net Weight .....	640 Lbs. (290 Kgs.)
Base Engine Dimensions.....	H 30.4" x L 28.5" x W 31.7" (772.6 mm x 723.5 mm x 805.1 mm)

### Natural Gas (corrected per SAE J1995)

Fuel Specification .....	1050 BTU/FT3
Intermittent Power .....	210 [HP] @ 3200rpm (156 [kW] @ 3200rpm)
Continuous power.....	189 [HP] @ 3200rpm (141 [kW] @ 3200rpm)
Intermittent Torque .....	329 [ft-lbs] @3200rpm (446 [N-m] @ 3200rpm)
Continuous Torque .....	298 [ft-lbs] @3200rpm (404 [N-m] @ 3200rpm)

### Liquefied Petroleum Gas (corrected per SAE J1995)

Fuel Specification .....	HD-5
Intermittent Power .....	230 [HP] @ 3200rpm (171 [kW] @ 3200rpm)
Continuous power.....	206 [HP] @ 3200rpm (153 [kW] @ 3200rpm)
Intermittent Torque .....	370 [ft-lbs] @3200rpm (501 [N-m] @ 3200rpm)
Continuous Torque .....	330 [ft-lbs] @3200rpm (447 [N-m] @ 3200rpm)

### Gasoline (corrected per SAE J1995)

Fuel Specification .....	Unleaded 87 or 89 octane
Intermittent Power .....	222 [HP] @ 3200rpm (165 [kW] @ 3200rpm)
Continuous power.....	201 [HP] @ 3200rpm (150 [kW] @ 3200rpm)
Intermittent Torque .....	360 [ft-lbs] @3200rpm (488 [N-m] @ 3200rpm)
Continuous Torque .....	324 [ft-lbs] @3200rpm (439 [N-m] @ 3200rpm)

### Standard Features / Benefits

**Composite Valve Train Covers** for reduced noise and resistance to corrosion

**Hydraulic Lash Adjusters with Roller Finger Cam Followers** for minimal friction and improved performance

**Tubular Cams with Powder Metal Lobes** for strength and durability

**Single Overhead Cams with Silent Timing Chain Drive System** for reduced noise and friction, and increased durability

**Aluminum Cylinder Heads with Long Reach Mounting Bolts into Main Bearing Bulkhead** to maintain resistance to heat distortion

**Optimized Combustion Process** for reduced emissions and improved efficiency

**Stainless Steel Cylinder Head Gaskets** for resistance to corrosion and increased cylinder block to cylinder head sealing

**Deep Skirted Cast Iron Block** for strength and durability

**Doweled, Cross-Bolted Four-Bolt Main Bearing Caps** for increased strength

**Forged Steel Crankshaft** for increased strength and durability

**Split Pin Crankshaft Journals** for smooth engine operation

**Powder Metal Connecting Rods** for high strength

**Hypereutectic Pistons with Teflon Coated Skirts and Low Tension Rings** for reduced friction and horsepower requirements

**Even Firing Order with Internal Balance Shaft** for vibration-free operation

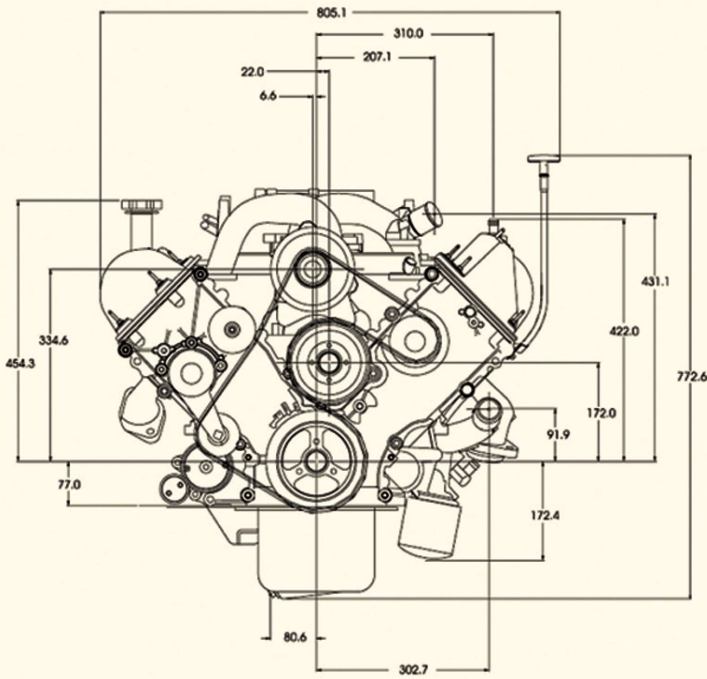
**Tuned Split-Plenum Intake** delivers significantly more torque and/or power throughout the engine speed range

**High Flow Water Pump** for maintaining optimum coolant flow

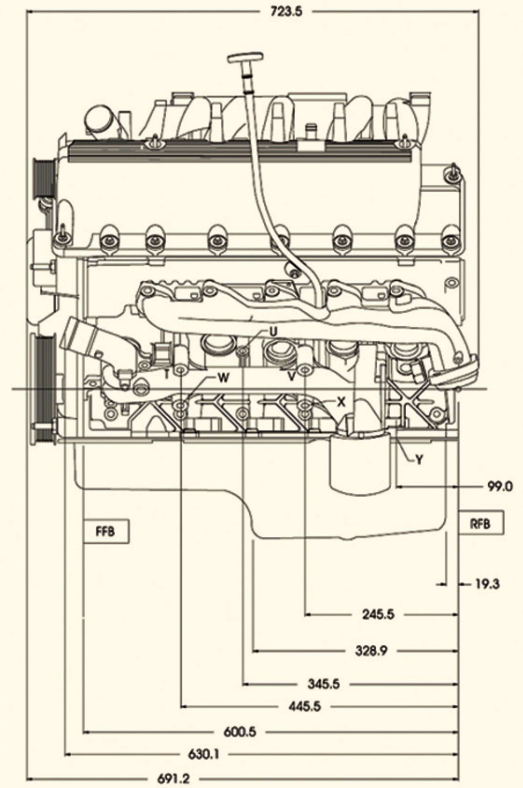
**Coil on Plug Ignition System** for reliable and effective spark delivery

# Installation Drawings

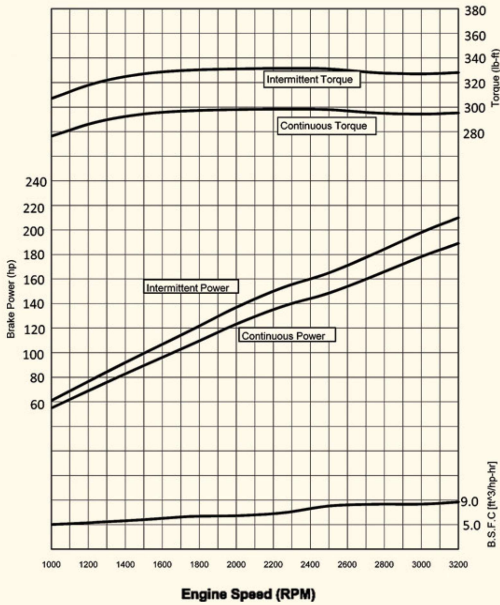
Front End View



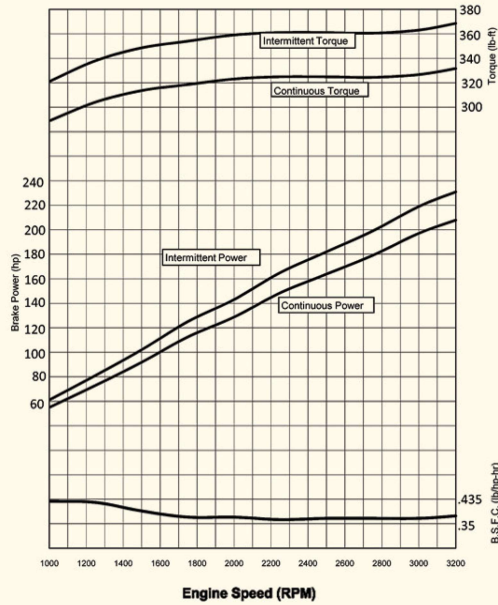
Left Side View



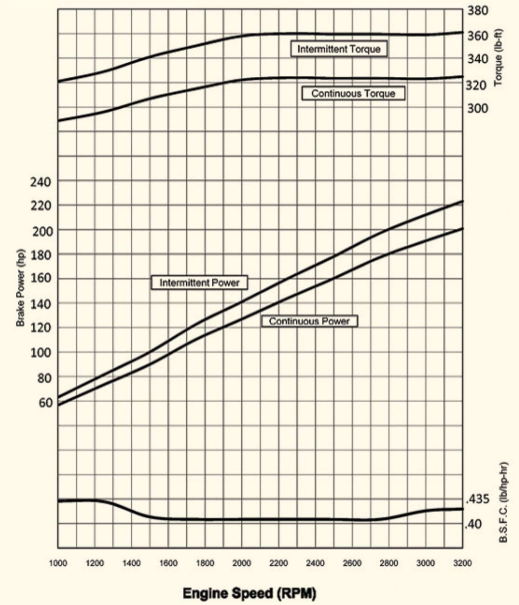
Natural Gas



Liquified Petroleum Gas



Gasoline



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& Components  
Provided By Ford  
Component Sales

For additional information Contact:

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