

INDUSTRIAL GM VORTEC 5.7L

CEG PUMPJACK PACKAGE

CEG
780.542.2250

CEG—DRIVING EFFICIENCY

CREAM ENERGY GROUP has worked with our suppliers and industry leaders to produce a Top of the Line Pumpjack Engine. Built around the dependable and trusted GM 5.7L Vortec Engine; and built into an industrial powerhouse.

This engine continues to live up to the reliability and power that the 5.7L Vortec is know for. CEG is involved through the design and manufacture process, which results in a finally tuned product. With attention to detail and a quality assurance program, we ensure these unit perform through the toughest standards.

Whether it is 40 above or 40 below, this unit will keep on running. With the ability to function on both Natural Gas (casing gas), and propane gives you the flexible to operate this unit on any lease. With the addition of the Murphy ST8 Tattletale, diagnosis and troubleshooting is a breeze, which make maintenance and troubleshooting a breeze. This translates into less down time and more production.

Paired with CEG's Maintenance and Service Programs this completes an unparalleled level of service and dependability in the industry.



STATE-OF-THE-ART TECHNOLOGIES

- High-flow cylinder head with straighter intake ports and a higher compression ratio delivers impressive horsepower.
- Valvetrain features advanced-design silent timing chain for added durability and positive inlet valve stem seals for reduced oil consumption.
- Roller valve lifters for reduced friction and improved performance.
- Composite front timing cover for noise reduction and corrosion protection.
- Water pump with a revised housing, upgraded shaft, bearing, and seal for extended life.
- Shrouded impeller for improved efficiency.
- Cylinder head gaskets have stainless steel core for corrosion resistance.

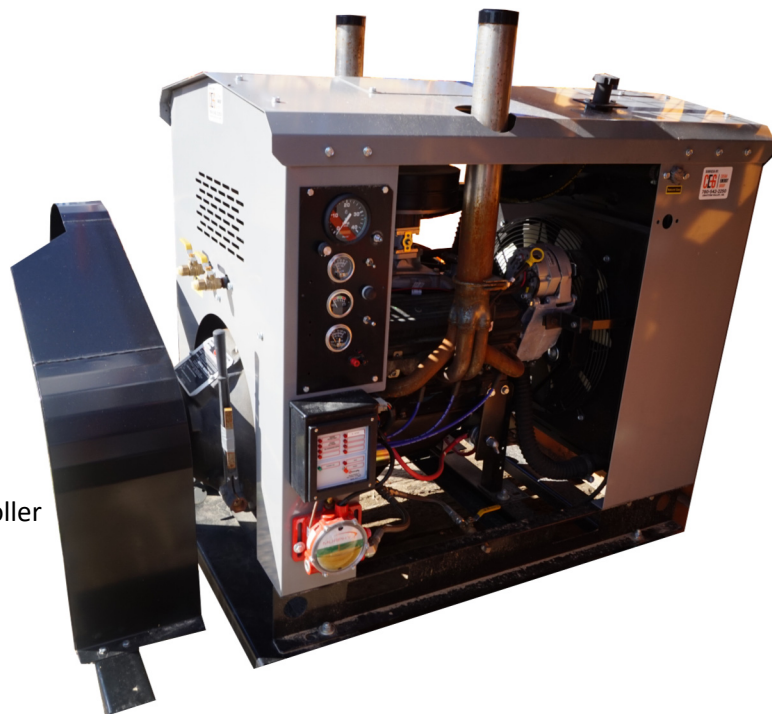
VORTEC



STANDARD FEATURES

ENGINE

- Easy Access Oil Drain Line C/W Ball Valve
- Easy Access Top Oil Spout
- Gas inlet valve C/W Lockable Handle
- Stainless Steel Vent Lines
- Complete Fan Guard
- Easy Access Cover for Coolant Top Up
- 12V Alternator
- 12V Alternator Belt Guard
- Murphy Oil Level Sight Glass C/W Shutdown Controller
- Battery Disconnect C/W Safety Lockout
- Battery Voltage Indicator
- Oil Pressure Gauge
- RPM Tachometer
- RPM Potentiometer
- Emergency Shutdown Button
- Auxiliary Shutdown Terminal
- Auxiliary Heat Trace Valves
- 11" Disc Clutch C/W 2-1/4" Shaft
- Enclosed Main Belt Guard
- Lockable Battery Box
- Duel Exhaust C/W Mufflers
- Heavy Duty Engine Skid



FILTERS AND FLUID

- Air Filter - Donaldson P528216
- Oil Filter - Donaldson P550035
- Suggested Oil - 5W-30 Semi-Synthetic
- Suggested Coolant - 50/50 Ethylene Glycol

OPTIONS / AD ONS

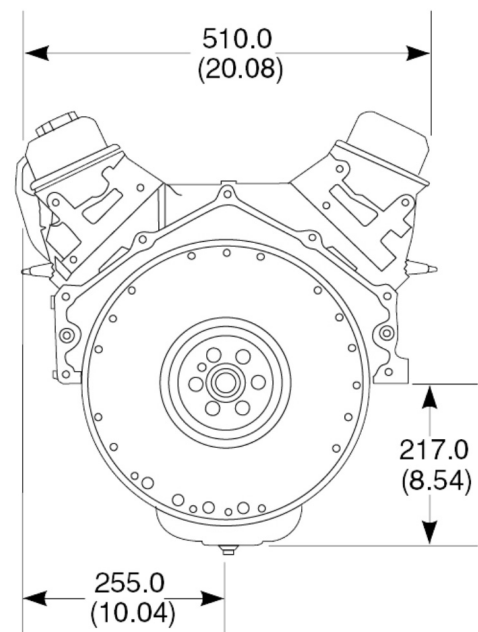
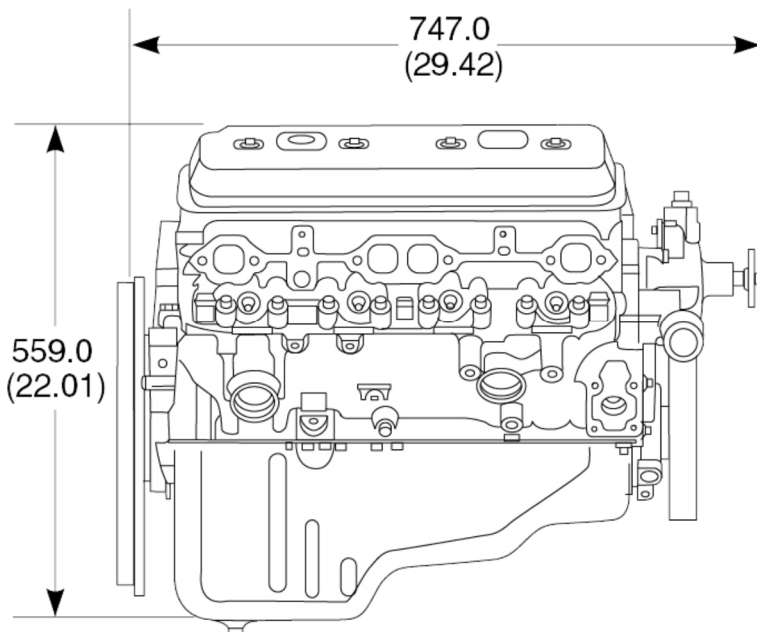
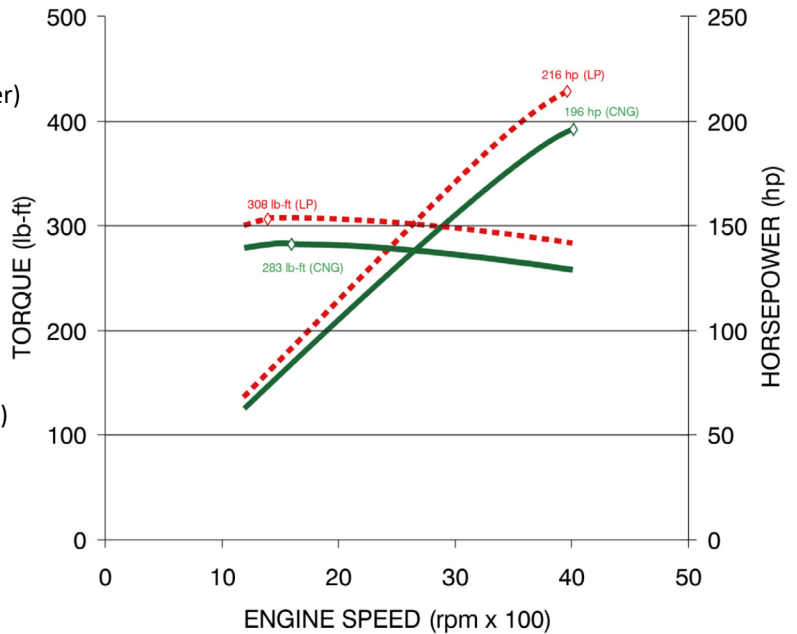
- 12V Brushless Alternator
- 24V Brushless Alternator
- 24V Alternator Belt Guard
- 12V Dry Cell High Performance Battery
- Duel Fuel Scrubber
- All Major Belts and Sheaves Combinations
- Direct Mount Motor Rails
- 2-7/8" Jack Shaft
- 2-1/4" Jack Shaft
- 12V Battery

MURPHY ST-8 ELECTRONIC TATTLETALE ANNUNCIATOR PANEL

- High Water Temperature Shutdown
- Engine Oil Pressure Shutdown
- Engine Oil Level Shutdown
- Emergency Stop Tattletale
- Alternator Charge Tattletale
- Battery Charge Tattletale
- Aux input for customer site

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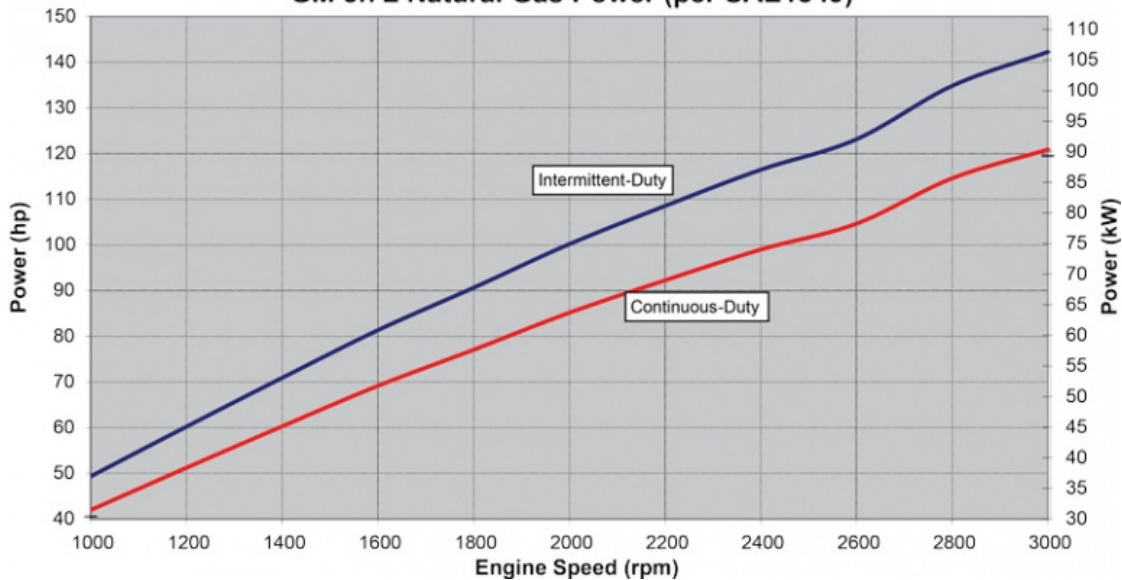
- TYPE:** 5.7L V-8 Gen 1e Small-Block
- DISPLACEMENT:** 5736 cc
- ENGINE ORIENTATION:** Longitudinal
- COMPRESSION RATIO:** 9.4:1
- VALVE CONFIGURATION:** Overhead valves (2 valves per cylinder)
- ASSEMBLY SITE:** Toluca, Mexico
- VALVE LIFTERS:** Hydraulic roller
- FIRING ORDER:** 1 - 8 - 4 - 3 - 6 - 5 - 7 - 2
- BORE X STROKE:** 101.60 x 88.39 mm
- FUEL TYPE:** LP & CNG
- HORSEPOWER:** 216 hp (161 kW) @ 4000 rpm (LP)
196 hp (146 kW) @ 4000 rpm (CNG)
- TORQUE:** 308 lb-ft (418 Nm) @ 1400 rpm (LP)
283 lb-ft (384 Nm) @ 1600 rpm (CNG)
- SHIPPING WEIGHT:** 432 lb (196 kg)
- EMISSIONS CONTROLS:** Positive crankcase ventilation
- BLOCK:** Cast iron GM232-M
- CYLINDER HEAD:** Cast iron
- MAIN BEARING CAPS:** Cast iron GM232-M
- CRANKSHAFT:** Nodular iron
- CAMSHAFT:** 5150 steel billet
- CONNECTING RODS:** Forged – SAE 1141



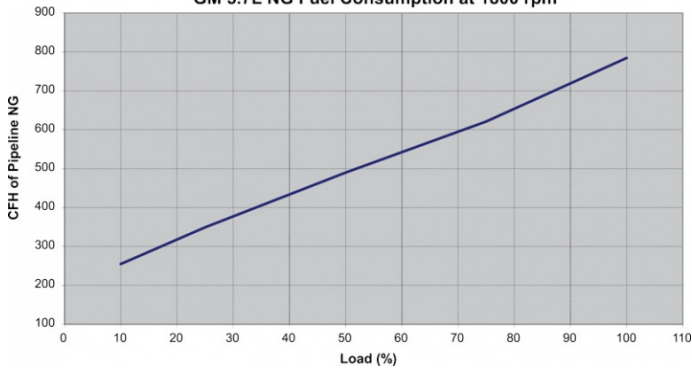
5.7L NATURAL GAS POWER CURVE

| Engine Speed (RPM) | Intermittent Torque (ft-lb) | Continuous Torque (ft-lb) | Intermittent HP (BHP) | Continuous HP (BHP) |
|--------------------|-----------------------------|---------------------------|-----------------------|---------------------|
| 2400 | 355 | 293 | 162 | 134 |
| 2300 | 359 | 295 | 157 | 129 |
| 2200 | 364 | 300 | 152 | 125 |
| 2100 | 367 | 302 | 147 | 121 |
| 2000 | 371 | 306 | 141 | 116 |
| 1900 | 375 | 309 | 136 | 112 |
| 1800 | 379 | 312 | 130 | 107 |
| 1700 | 383 | 315 | 124 | 102 |
| 1600 | 387 | 319 | 118 | 97 |
| 1500 | 391 | 322 | 112 | 92 |

GM 5.7L Natural Gas Power (per SAE1349)



GM 5.7L NG Fuel Consumption at 1800 rpm



5.7L LPG Fuel Consumption at 1800 rpm

