



### DESCRIPTION:

POWERFORCE® Oil & Gas industry generators are designed to meet the rugged demands of the Oil & Gas industry environment, from exploration to production. Each model has been designed to provide reliable continuous power for typical Oil & Gas industry electrical loads. All models are extensively tested to ensure they meet the performance requirements of the industry.

POWERFORCE® generators are packaged in our purpose-built generator assembly and test facility. Each set goes through a fully documented test procedure before leaving our plant. POWERFORCE® models utilize Natural Gas engines governed to run at 1800 rpm for long life and durability.

All Oil & Gas industry generators are designed and packaged as Prime Power Rated sets. See rating below for prime power kW.

### STANDARD FEATURES:

- Oil Makeup Tank - 16 Gallon Kenco
- Air Filter System - Donaldson PSD PowerCore
- Gas Treatment - Scrubber
- Dual Fuel - LPG, NG, Wellhead NG Compatible with Auto Switch
- Exhaust System - Dual: Catalyst and USFS Spark Arrestor
- Lubrication - Murphy/Kenco Oil Replenishment
- Safety Shutdown - Low Oil Pressure; Low Coolant Level, High Oil Temp
- CAMLOCK Connectors
- Gas Train Heat Tracing
- Courtesy Power-120 AC w/3 20A GFCI

### OPTIONAL EQUIPMENT:

- Block Heater - Kim Hotstart
- Pad Mounted - No Trailer

### ENGINE ELECTRICAL SYSTEM:

Starting Motor Voltage	24DCV
Charger Amps	45
Battery Ampere Hours	200AH/1000CCA

#### POWER RATINGS:

#### STANDBY:

#### PRIME:

GASEOUSE FUEL	kW   kVA   Amp	kW   kVA   Amp
LPG	350   438   527	305   381   459
NATURAL GAS (NG)	500   625   753	420   524   631
AMPERAGE	@480V	@480V

### ENGINE SPECIFICATION:

Manufacturer	MTU
Model	12V1600
Emissions	US EPA Certified
Engine Speed (RPM)	1800
Max. HP Power 1800 RPM	757
Cylinder Arrangement	V-12
Combustion System	Stoichiometric
Aspiration	Turbocharged
Engine Type	Diesel Derivative
Fuel	Natural Gas / LPG
Number of Cylinders	12
Displacement (liters)	21.0
Bore & Stroke inches (mm)	4.72x5.91
Cooling	Coil and Tube
Starting Aids	None
Compression Ratio	11.0:1
Air Cleaner Type	Dry
Exhaust Silencer dBA	USFS Spark Arrestor
Fuel Switch	Automatic
Consumptions (cu. Ft./ hour)	5480 NG (2440 LPG)

### ALTERNATOR:

Configuration	4 Pole 3 Phase/NEMA Class H Insulation
Frequency	60HZ
Voltage Regulation (No Load to full load regulation)	Automatic
Coupling	Direct
Bearing	Single
Manufacturer	MECC ALTE
Model	ECO40 354 C