



## 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	I	kVA	I	Amp	kW	I	kVA	I	Amp
LPG	350	I	438	I	527	305	I	381	I	459
NATURAL GAS (NG)	500	I	625	I	753	420	I	524	I	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	EC040 354 C