



RELIABLE POWER SOLUTIONS FOR

# EVERY NEED



## YOUR TRUSTED GENERATOR SOLUTIONS

# 100KW GM NATURAL GAS

## POWERED DIRECT COUPLED TO 1800RPM BRUSHLESS STAMFORD ALTERNATOR.

Introducing the **RES COM POWER NATURAL GAS PRODUCT LINE**—built for superior reliability, fuel efficiency, and top-tier performance. Stay prepared and protect what matters most with a power solution you can trust. Uninterrupted Power, Unmatched Reliability



Kubota, General Motors, NG Engine, Weichai, Doosan.



Stationary Power for Commercial & Residential



CSA or Equivalent Approved



2 Years or 2,000 hours (whichever occurs first)



Premium value at a great price

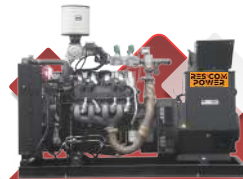


Easy Installation

Model	KW	KVA	Phase	Volts	RPM	Amps	Breaker Size
FP1DG100P	100	100	01	120/240	1800	417	400A
FP2DG100P	100	125	03	120/208	1800	347	400A
FP6DG100P	100	125	03	347/600	1800	120	125A

# GENERATOR SPECIFICATIONS

Description	Units of Measurements	Data
Engine Model	-	5.7LT CAC
Horse Power	-	147
Type	-	8 cyl. Vee
Aspiration	-	Turbo CAC
Bore x Stroke	mm (inches)	101.6 x 88.4 (4 x 3.48)
Displacement	litres (cubic inches)	5.7 (350)
Compression Ratio	-	9.1:1
Fuel Consumption 100% Load	Litre/hr (US gal/hr)	60.9 (27)
Fuel Consumption 75% Load	Litre/hr (US gal/hr)	N/A
Fuel Consumption 50% Load	Litre/hr (US gal/hr)	N/A
Battery Size	(Cranking Amps)	4D-1000 (1000)
Oil Capacity	Litres (US gal)	5 (1.32)
Coolant Capacity	Litres (US gal)	N/A
Thermostat Range	e °C (°F)	71-85 (160-185)
Max Pressure Cap	kpa (psi)	N/A
Intake Air Flow	m3/min (cfm)	7.42 (262)
Exhaust Gas Temperature	°C (°F)	732 (1350)
Exhaust Gas Flow	m3/min (cfm)	23.9 (845.9)
Heat Rejection to Coolant	BTU/min	N/A
Ambient Capacity of Radiator	°C (°F)	N/A
Max Allowable Back Pressure on Exhaust	kpa (in Hg)	10.2 (3)
Air Flow Required Through Radiator	m3/min (cfm)	N/A
BTU Requirement	BTU/Hourn	1,480,000
Pressure Requirement	Water Column (Inches)	7-11 "



## GENERATOR FEATURES

- Brushless Generators
  - Factory Tested
  - 1% voltage regulation
  - Unit mounted radiator with fan guard
  - Revolving fieldclass H, 125°C temperature rise generator
  - Rubber isolators between unit and base for vibration free operation
  - Lifting eyes for easy handling
  - Absence of brush gear and high quality AVR ensures low levels of radio interference
- Generators meet the requirements of BS5000 part 3, VDE0530, UTE5100, NEMA MGI-22, CEMA, IE34-1, CSA22.2, and AS1359

## STANDARD INCLUDED EQUIPMENT

- Batteries and battery cables
- Battery charging alternator
- Engine jacket water heater
- Engine oil and anti-freeze
- Automatic trickle charger
- Exhaust system (includes muffler, stainless steel bellows connector, rain cap, clamps and 5 feet of exhaust pipe)

## OPTIONAL EQUIPMENT

- Automatic transfer switches
- Enclosures (weather and sound)
- Trailers
- Main breaker
- Automatic idle for warmup and cooldown (only available on certain models)
- Permanent magnet generator (PMG) system (provides 300% short circuit withstanding capability)
- Wall thimbles
- Manual and motorized venting louvers
- Standalone fuel tanks
- Over current sensing, shutdown and display
- Low fuel pre-alarm, shutdown and display
- 29 light remote annunciators with dry relay contacts for all pre-alarms and faults
- Low oil level pre-alarm or shutdown with display
- Pre-alarm and fault relay contacts 10 amp
- CSA282 enclosure package (enclosure heater, 60Amps circuit panel)
- Additional breaker with camlocks for load bank testing
- Hospital grade mufflers
- Spring Mounts



# DISPLAY MASTER 4

## CONTROLLER STANDARD FEATURES

- Rugged solid state microprocessor design
- 16 character, 2 line backlit LCD display
- Easy keypad programming of all set points, password protected for security
- Remote start/stop capability
- Accurate digital readout of AC volts, amps, phase, frequency, kW, kVA, power factor, battery volts, runtime hours, oil pressure and water temperature
- Indicator lights for normal operation, pre-alarm and fault conditions
- Indicator light for remote start signal
- All shutdowns display on screen until system is reset
- Audible alarm for shutdowns and/or pre-alarms
- 6 user configurable dry contact relay outputs (readily available plug-in relays optional)
- 8 user configurable digital inputs
- Plug-in connectors for easy circuit board replacement
- System Lock feature disables starting of generator for maintenance purposes (requires password to unlock)

## PRE-ALARMS

Low engine temperature, high engine temperature, low oil pressure, over speed, high battery volts, low battery volts, unit not in auto Shutdowns

## SHUTDOWNS

High engine temperature, low oil pressure, low coolant level, over speed, over crank, no speed signal, emergency stop, weak battery



## ADDITIONAL DM4 ADD-ON CONTROLLERS



Display Master 5  
29 Light Remote Addon Panel



Display Master 4 - Remote  
Addon Panel with Remote  
Master Built in



Remote Master  
Communications Addon Module

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