



RELIABLE POWER SOLUTIONS FOR
EVERY NEED



**MADE IN CANADA WITH
DOMESTIC AND IMPORTED PARTS**



**YOUR TRUSTED
GENERATOR SOLUTIONS**

20KW PERKINS DIESEL

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

Introducing the **RES COM POWER DIESEL 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



Perkins, John Deere,
Kubota, Yanmar, FPT



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
FPIDG020P	20	20	01	120/240	1800	83	90A
FP2DG020P	20	25	03	120/208	1800	62.5	70A
FP6DG020P	20	25	03	347/600	1800	22	25A

GENERATOR SPECIFICATIONS

Description	Units of Measurements	Data
Engine Model	-	404D-22G
Horse Power	-	32.1
Type	-	4 cyl. Inline
Aspiration	-	Naturally Aspirated
Bore x Stroke	mm (inches)	84 x 100 (3.3 x 3.9)
Displacement	litres (cubic inches)	2.216 (135.2)
Compression Ratio	-	23.3:1
Fuel Consumption 100% Load	Litre/hr (US gal/hr)	6.2 (1.64)
Fuel Consumption 75% Load	Litre/hr (US gal/hr)	4.8 (1.27)
Fuel Consumption 50% Load	Litre/hr (US gal/hr)	3.5 (.92)
Battery Size	(Cranking Amps)	31A (950)
Oil Capacity	Litres (US gal)	10.6 (2.8)
Coolant Capacity	Litres (US gal)	7 (1.85)
Thermostat Range	e °C (°F)	82-95 (180-203)
Max Pressure Cap	kpa (psi)	90 (13.05)
Intake Air Flow	m3/min (cfm)	1.74 (61.44)
Exhaust Gas Temperature	°C (°F)	510 (950)
Exhaust Gas Flow	m3/min (cfm)	4.76 (168.09)
Heat Rejection to Coolant	BTU/min	N/A
Ambient Capacity of Radiator	°C (°F)	N/A
Max Allowable Back Pressure on Exhaus	kpa (in Hg)	10.2 (3.01)
Air Flow Required Through Radiator	m3/min (cfm)	N/A



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 MG1-22, 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
- ULC Double wall sub-base fuel tank
- 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

ONTARIO

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TRUE NORTH TOUGHNESS. SEAMLESS OPERATION.