



RELIABLE POWER SOLUTIONS FOR

# EVERY NEED



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



## YOUR TRUSTED GENERATOR SOLUTIONS

# 28KW 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
FPIDG028P	28	28	01	120/240	1800	116	125A
FP2DG028P	28	35	03	120/208	1800	97	100A
FP6DG028P	28	35	03	347/600	1800	33.7	40A

# GENERATOR SPECIFICATIONS

Description	Units of Measurements	Data
Engine Model	-	404D-22TG
Horse Power	-	42.5
Type	-	4 cyl. Inline
Aspiration	-	Turbocharged
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)	9.9 (2.61)
Fuel Consumption 75% Load	Litre/hr (US gal/hr)	6.4 (1.69)
Fuel Consumption 50% Load	Litre/hr (US gal/hr)	4.5 (1.18)
Battery Size	(Cranking Amps)	31A (950)
Oil Capacity	Litres (US gal)	10.6 (2.8)
Coolant Capacity	Litres (US gal)	9.32 (2.46)
Thermostat Range	e °C (°F)	82-95 (180-203)
Max Pressure Cap	kpa (psi)	110 (15.95)
Intake Air Flow	m3/min (cfm)	2.49 (87.93)
Exhaust Gas Temperature	°C (°F)	530 (986)
Exhaust Gas Flow	m3/min (cfm)	7.5 (264.8)
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 (3.01)
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 MGI-22, CEMA, IE34-1, CSA22.2, and ASI359

## 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

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**TRUE NORTH TOUGHNESS. SEAMLESS OPERATION.**