

LIFE...UNINTERRUPTED™



**PowerStation**  
AUTOMATIC POWER SYSTEM



**P220100 / P220103 / P220110**

Models P220100/P220103/ P220110		Propane Standby Rating*			Full Load Current	Motor Starting	Alternator Insulation	MLCB Rating
Voltage	Phase	Hertz	kW	kVA	Amps	SkVA <sup>(1)</sup>	Class	Amps
120/240	1	60	22	22	183.3/91.6	37	H	110

\*NAMEPLATE RATING FOR CONTINUOUS STANDBY OPERATION FOR THE DURATION OF THE OUTAGE. DERATE 15% WHEN USING NATURAL GAS. DERATE 4% PER 1000 FEET ABOVE 500 FEET AND 1% PER 10°F TEMPERATURE INCREASE ABOVE 77°F.  
(1) RATED @ 30% VOLTAGE DIP.

## STANDARD FEATURES

### GM Vortec 3000 Industrial Engine

- Ultra quiet and dependable automotive style inline 4 cylinder operating at 1800 rpm
- Specially designed for use on LPG/natural gas
- Fuel efficient and durable design
- Electronic governing provides 0.5% frequency control

### 4-Pole Alternator

- 2/3 pitch winding for reduced harmonics (<5%)
- Tropicalized windings for corrosion resistance

### Sound Attenuated Weather Enclosure

- 16 gauge galvaneel™ (galvanized) steel or aluminum with sound insulating material installed
- Powder coated almond color finish
- Modular design allows access from all sides
- Critical grade muffler integral to unit

### Fuel System

- Operates on liquefied petroleum gas or natural gas
- Field convertible from natural gas to liquid propane
- Integrated governor-throttle body assembly
- Dual 12V DC positive lock-off valves for added safety

### Cooling System

- High ambient temperature rated
- Factory filled with environmentally safe propylene glycol
- High temperature shutdown protection

### Main Line Circuit Breaker

- UL 489 listed breaker is included as standard
- Conveniently mounted behind service door

### Digital Remote Start/Stop Controller

- Automatic remote start (2-wire)
- Overspeed protection
- Overcrank protection
- Battery condition monitoring
- Underspeed protection
- On-off-auto selector switch
- Engine oil pressure protection
- Hour meter

### Warranty

- 3 year / 1500 hour limited warranty (comprehensive)
- 5 year / 1500 hour extended limited warranty (engine/alternator)

### Accessories

- Oil Pan Heater



ENGINE DATA

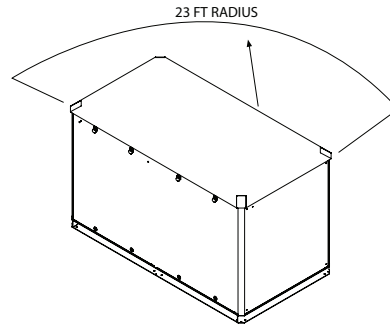
<b>General</b>	
Manufacturer	General Motors
Model	6RL
Type	4-Cycle, in-line configuration
Horsepower	64 hp @1800 rpm (LP)
Cylinder Block Material	Cast iron
Cylinders	4
Aspiration	Natural
Air Cleaner	Heavy duty replaceable dry element
Displacement	3.0 Liters (181 cid)
Compression Ratio	10.5:1
Bore	4.00 in (101.60 mm)
Stroke	3.6 in (91.44 mm)
RPM	1800
Engine Governing	+/- 0.5% - Electronic
<b>Fuel System</b>	
Fuel System	Woodward fuel mixer, secondary regulator, 12V DC positive locking shut-off solenoid
Fuel Type	Liquefied petroleum gas (vapor) or natural gas
Injection Method	Carburetor induction
<b>Lubrication System</b>	
Lube Oil System	Centrifugal pump, spin-on-full flow filter
Lube Oil Capacity	4.5 quarts with filter
Oil Pan Heater	Optional
<b>Cooling System</b>	
Cooling System Capacity	2.8 Gallons
Coolant Flow Rate	18 GPM
<b>Electrical System</b>	
Starting Voltage	12V negative ground
Battery Size Required	BCI group 34, battery rack and 2/0 cables inc
Cranking Current	750cca @ 0°F
Battery Charging Alternator	90 amps
Battery Charger (120V AC)	Bulk – 6A, 12vdc Absorption – 5.5A, taper to 1.5A between 13-14V DC Float – 0.1 To 0.3A, 13.3vdc K 0.3vdc

FUEL DATA

Fuel Type	Liquefied petroleum gas vapor or natural gas	
Fuel Supply Inlet	3/4" NPT	
Fuel Supply Pressure	6-11 (In/H2O)	
Fuel Consumption		
Load	LP Vapor (Gallons/Hour)	Natural Gas (Cubic Feet/Hour)
25%	0.83	80
50%	1.65	160
75%	2.48	220
100%	3.44	280

SOUND DATA

Less than 68 dB(A) average @ 23' (7m) @ full load

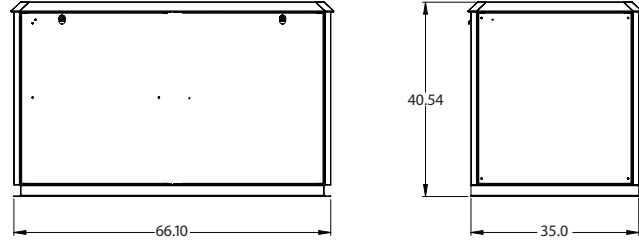


ENGINE GENERATOR APPLICATION/INSTALL DATA

Radiator Airflow	4500 CFM
Alternator Airflow	250 CFM
Combustion Airflow	150 CFM
Total Airflow	4900 CFM
Heat Rejected To Coolant	86000 BTU/HR
Maximum Exhaust Flow	290 CFM
Maximum Exhaust Backpressure	3.0 in Hg
Exhaust Temperature	1200°F
Maximum Clean Inlet Air Restriction	10 in H2O
Maximum Dirty Inlet Air Restriction	20 in H2O

Weight	1250 lbs. (P220100) 1150 lbs. (P220110)
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Dimensions



All specifications subject to change without notice

