

M O D E L S E R I E S

PM0621512*Gaseous Fueled Stationary Standby*

15kW

60Hz

Total Power Solution Package
PowerStation™
 EMERGENCY BACKUP POWER SYSTEM

Model: 621512		Standby Rating*			Full Load	Motor Starting	Insulation	MLCB Rating
Voltage	Phase	Hertz	kW	kVA	Amps	SkVA ⁽¹⁾	Class	Amps
120/240	1	60	15	15	62.5	28	F	60
120/208	3	60						
120/240	3	60			Three Phase Not Available			
277/480	3	60						

Standard Features

Briggs & Stratton Dihatsu LC3™ Engine

- In-line 3-Cylinder Liquid Cooled Engine
- Specifically Designed For Dry Fuel Operation
- Electronic Governing Provides 0.5% Frequency Control
- Low Mount Oil Fill Ports & Drain Lines Provided
- Easily Accessible For Engine Service

Alternator

- 2/3 Pitch Winding For Reduced Harmonics
- Low Waveform Distortion
- Automatic Voltage Regulator Equipped
- Excellent Motor Starting
- Tropicallized Windings

Weather Enclosure

- Fabricated From 16 Gauge Steel
- Powder Painted Almond Color Finish
- Lockable (keyed alike) Doors With Sound Baffles
- Deflected Air Discharge For Optimal Sound Control
- Critical Grade Muffler Integral To Enclosure
- Stainless Steel Fasteners

Fuel System

- Operates On Liquefied Petroleum Gas Or Natural Gas
- Simple Field Conversion Between Fuels
- Integrated Governor- Throttle Body Assembly
- Includes Flex Fuel Line For Bulkhead Connection

Cooling System

- Rated To Operate In 122°F Ambient Temperatures
- Optional Coolant Heater Allows For -20°F Operation
- Factory Filled With Environmentally Safe Propylene Glycol

Main Line Circuit Breaker

- UL 489 Listed Breaker Is Included As Standard
- Mounted In Control Panel For Ease Of Access

Analog Remote Start/Stop Controller

- Robust Control Package
- Highly Accurate Monitoring, Display & Protection
- Proven And Affordable Design

3-Year/1500 Hour Warranty

- Best Standard Warranty In Its' Class



(1) Rated @ 30% Voltage Dip

* Standby Power Rating Definition: Capable of supplying emergency power in lieu of utility power for the duration of the interruption. There is no overload capacity available or specified for this rating. Single-phase units are rated at unity power factor. Three-phase units are rated at .8 power factor. Single-phase systems are dedicated single phase (4-wire). Three-phase systems are 12-lead broad range reconnectable. When reconnecting a 12-lead alternator to single-phase, derate to 2/3 output. OTHER DERATION FACTORS: Engine power is available to 77°F, barometric pressure of 29.5in. Hg & relative humidity of 60%. Altitude: Derate system performance 4% per 1000 feet above 500 feet. Temperature: Derate system performance 1% per 10°F temperature increase above 77°F. Humidity: Derate system performance 1.5% per 10% relative humidity above 60%. For elevations above 8000 feet, consult factory.

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Engine Data

General

Manufacturer	Briggs & Stratton Dihatsu
Model	LC-3
Type	4-Cycle, In-line-configuration
Horsepower	31hp Maximum (LP) @ 3600rpm
Cylinder Block Material	Cast Iron
Cylinders	3
Aspiration	Natural
Air Cleaner	Heavy Duty Replaceable Dry Element
Displacement	950cc
Compression Ratio	9.2:1
Bore	35.6mm
Stroke	15.39mm
RPM	3600
Engine Governing	± 0.5% - Electronic

Fuel System

Fuel System	Woodward/Impco Fuel Mixer, Secondary Regulator, 12vdc Positive Locking Shut-off Solenoid
Fuel Type	Liquefied Petroleum Gas(Vapor) Or Natural Gas
Injection Method	Carburetor Induction

Lubrication System

Lube Oil System	Centrifugal Pump, Spin-on-Full Flow Filter
Lube Oil Capacity	2.7 Quarts W/Filter

Cooling System

Cooling System	122°F Ambient Radiator Equipped
Ambient Operating Temperature Range	-20°F To 122°F (When Equipped With Optional Coolant Heater)
Cooling System Capacity	2.4 Gallons
Coolant Flow Rate	18.3 GPM
Coolant Heater (Optional)	120v, 500 Watt Thermostatically Controlled Circulation Type

Electrical

Starting Voltage	12v negative ground
Battery Size Required	BCI Group 26 or U1, Battery Rack & Cables Included
Cranking Current	425cca @ 0°F
Battery Charging Alternator	30amps
Battery Charger (120v AC)	Bulk - 6A, 12vdc Absorption - 5.5A, Taper To 1.5A Between 13-14.4vdc Float - 0.1 To 0.3A, 13.3vdc K 0.3vdc

Engine Emission Data

Permits:

California Air Resource Board	Not Available
South Coast Air Quality Management District	Consult Factory

Emissions Data* Tested To ISO 8178 D2 Cycle:

Hydrocarbons	Consult Factory
Nitric Oxide	Consult Factory
Carbon Monoxide	Consult Factory
Particulate Matter	Consult Factory

*Emission levels may rise above published limits due to improper maintenance or altered air intake/airflow.



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Fuel System

Fuel Type	Liquefied Petroleum Gas Vapor or Natural Gas (LP Liquid Optional)
Fuel Supply Inlet	3/4" NPT
Fuel Supply Pressure	7-11 (In/H ₂ O) 4-6 (Oz/In ²)

Fuel Consumption

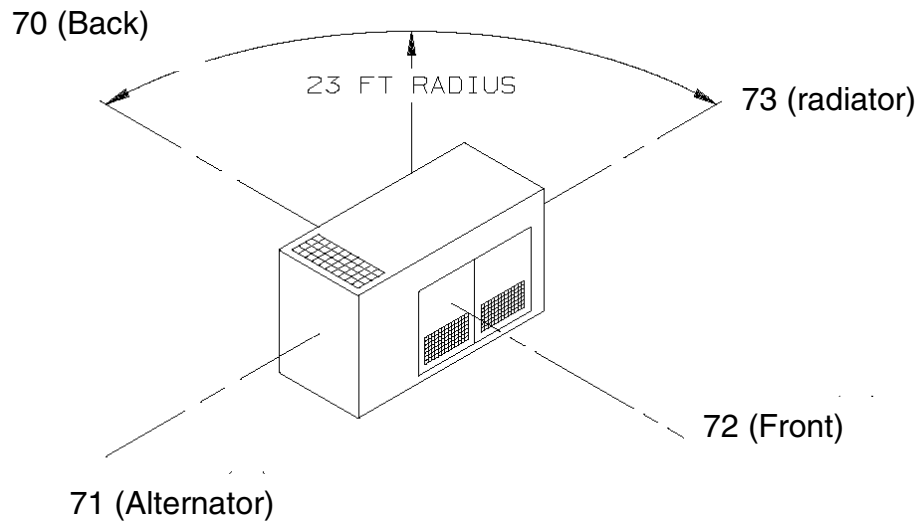
Fuel Consumption @ % Load	LP Gas (Cubic Feet/Hour)	Natural Gas (Cubic Feet/Hour)
25%	66	121
50%	83	164
75%	104	215
100%	122	285

Engine Generator Application/Installation Data

Radiator Airflow	1240 CFM
Alternator Airflow	150 CFM
Combustion Airflow	148 CFM
Total Airflow	1538 CFM
Heat Rejected To Coolant	102000 BTU/HR
Heat Rejected To Exhaust	N/A
Maximum Exhaust Flow	290 CFM
Maximum Exhaust Backpressure	1.5 PSI
Exhaust Temperature	1070 °F

Sound Data

72 dB(A) Average @ 23' (7m) @ Full Load



MODEL SERIES

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Alternator Data

Type	Brushless Revolving Field, Drip Proof Construction W/Tropicalized Windings
# Poles	2
Coupling Method	Direct, Flex Disc
Insulation Class	F
Voltage Regulation	Externally Regulated, Solid State AVR ± 1.5%
Total Harmonic Distortion	<3.5%
Waveform Deviation Factor	<5%

Circuit Breaker Data

Type	Molded Case
Withstand Rating	10kA AC @ 240v, 18kA @ 480v
Agency Listing	UL 489 Listed

Control Panel Functions

- DC Circuit Breaker
- ON-OFF-MANUAL Switch
- Engine Hourmeter
- Overspeed Shutdown
- High Water Temperature Shutdown
- Overcrank Shutdown

Options

Coolant Heater

Dimensions & Weight

Weight
620 lbs.

