

LIFE...UNINTERRUPTED™



PowerStation
AUTOMATIC POWER SYSTEM

P120400 / P120401 / P120410

Models P120400/P120401/ P120410		Propane Standby Rating*			Full Load Current	Motor Starting	Alternator Insulation	MLCB Rating
Voltage	Phase	Hertz	kW	kVA	Amps	SkVA ⁽¹⁾	Class	Amps
120/240	1	60	12	12	100/50	20	H	50

*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.



powered by



STANDARD FEATURES

Subaru Industrial EH72 Engine

- Ultra Quiet & Dependable V-Twin Engine
- Specially Designed For Use On LPG/Natural Gas
- Oversized (80mm) oil pump and integral oil cooler for optimal performance
- Heat reducing head design for lower operating temperature

2-Pole Alternator Oversized 14.4kW

- 2/3 Pitch Winding For Reduced Harmonics (<5%)
- Simple & Reliable Self Voltage Regulated Design (± 5%)
- Computer Safe Alternator

Sound Attenuated Weather Proof Enclosure

- 16 Gauge Gavaneel™ Steel or Aluminum with Sound Insulating Material Installed
- Composite Mounting Pad Included For Faster Installation
- Powder Coated Almond Color Finish
- Modular Design Allows Access From All Sides

Fuel System

- Operates On Liquefied Petroleum Gas Or Natural Gas
- Simple Field Conversion Between Fuels
- Dual 12v D.C. Positive Lock-off Valves For Added Safety

Cooling System

- Low Maintenance Air/Oil Cooling
- High Temperature Shutdown Protection

Digital Remote Start/Stop Controller

- Automatic Remote Start (2-wire)
- Engine Over -Temperature Protection
- Overspeed Protection
- Overcrank Protection
- Battery Condition Monitoring
- Underspeed Protection
- On-Off-Auto Selector Switch
- Engine Oil Pressure Protection
- Hour Meter

Warranty

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

Accessories

- Engine block heater kit



ENGINE DATA

General

Manufacturer Subaru
 Model EH72
 Type Air cooled, 4-Cycle, V-Twin Cylinder, Overhead valve
 Horsepower 25.0 / 3600 rpm
 Cylinder Block Material Aluminum
 Cylinders 2
 Aspiration Natural
 Air Cleaner Replaceable duel stage
 Displacement 720cc
 Compression Ratio 8.3:1
 Bore 84 mm
 Stroke 65 mm
 RPM 3600
 Engine Governing +/- 5% - Mechanical

Fuel System

Fuel System Subaru Fuel Mixer, Secondary Regulator, 12V DC 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 1.7 Quarts
 Engine Heater - Optional 120V, Thermostatically Controlled

Electrical System

Starting Voltage 12V negative ground
 Battery Size Required BCI Group 26, Battery Rack & 4 gauge cables IEC
 Cranking Current 450cca @ 0°F
 Battery Charging Alternator 10 amps, Regulated
 Battery Charger (120V AC) Bulk – 6A, 12V DC Absorption – 5.5A, Taper To 1.5A Between 13-14V DC
 Float – 0.1 To 0.3A, 13.3vdc K 0.3vdc

FUEL DATA

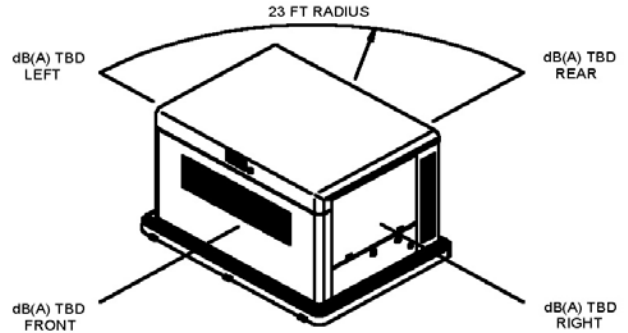
Fuel Type Liquefied Petroleum Gas Vapor or Natural Gas
 Fuel Supply Inlet 1/2" NPT
 Fuel Supply Pressure 7-11 (In/H₂O) / 4-6 (Oz/In²)

Fuel Consumption

Load	LP Vapor (Gallons/Hour)	Natural Gas (Cubic Feet/Hour)
25%	1.1	75
50%	1.4	103
75%	1.8	135
100%	2.2	186

SOUND DATA

Less than 70 dB(A) average @ 23' (7m) @ full load

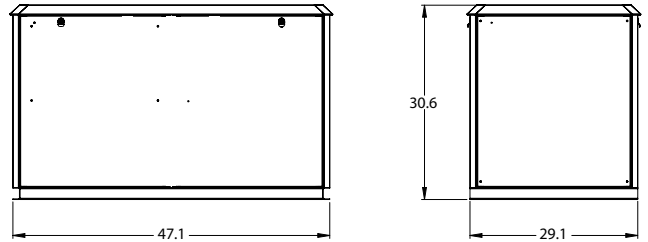


ENGINE GENERATOR APPLICATION/INSTALL DATA

Engine Cooling Airflow 777 CFM
 Alternator Airflow 200 CFM
 Total Airflow 977 CFM
 Maximum Exhaust Flow 102 CFM
 Maximum Exhaust Backpressure 1.5 PSI
 Exhaust Temperature 1007 °F

Weight 460 lbs.

Dimensions



*All specifications subject to change



Installation Kit (Model P120401 Only)

- 100A nema 1 transfer switch
- 12 circuit pre-wired load center expandable to 22 circuits
- Factory pre-wired conduits
- Fault indicator on transfer switch

