

Residential Standby Generators Air-Cooled Gas Engine



FLYING SERIES GAZ-10/220 LPG/Natural Gas STEEL-WHITE



Features and benefits

■ INNOVATIVE DESIGN AND TESTING

Designed for easy installation with attractive, Compact structure and reliable performance. Commitment to component testing, reliability testing, environmental testing, destruction and life testing. With the weather tool kit help, unit can run at the ambient temp of -28.9°C(-20°F).

■ FLEXIBLE INSTALLATION LOCATION

Protection agency standards, standby generators can be placed as close as 20" from the home, providing more placement options in your yard-perfect for tight lot lines..

■ DURABLE OUTDOOR CANOPY

Appealing enclosure incorporates special designs That deliver one of the quietest generators of its kind. Steel material plus durable powder coat paint provides the best anti-corrosion performance.

■ HIGH COST-EFFECTIVE

Offers an extreme value for those who desire automatic backup power at the most affordable price.

■ ELECTRONIC SPEED GOVERNING SYSTEM

Advance speed regulation system, provide the Maximum engine power output, quickly response for the changing loads.

■ CERTIFICATIONS

Meets emission regulations for U.S. Environmental Protection Agency (EPA) phase 3, meets UL2200 standard.

■ WARRANTY

2 years /1000 hours limited warranty

■ PACKING

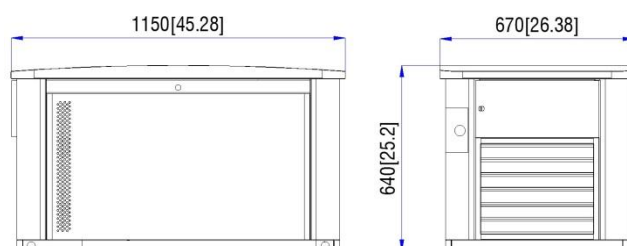
Makes for an easy and reliable transportation and installation

Weight, size and sound level

Weight: 485lbs(225kg)

Size: 45.28in×26.38in×25.2in

Sound: 69 dB(A) at 23 ft (7 m)



Model	Phase	Voltage (V)	Frequency (Hz)	Rated amps * (NG/LPG Fuel)	Circuit Breaker (Amps)
GAZ-10/220	1	230	50	30.4/34.8	38

*Derating guidelines: Engine power available up to 1005m (3300 ft) at ambient temperatures up to 40 °C (104 °F). Above these elevations derate at 4% per 305m (1000 ft) and 2% per 10 °C above 40 °C (104 °F)。

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GENERATOR SPECIFICATIONS

Rated Power (NG/LPG)	7KW/8KW
Max Power (NG/LPG)	8KW/9KW
Rated Voltage (V)	230
Rated Frequency (Hz)	50
Rated Speed (rpm)	3000
Phase	Single
Power Factor	1.0

ENGINE SPECIFICATIONS

Manufacturer/Model	Javac OEM suzuki
Engine Type	V-twin cylinder, 4stroke, OHV
Displacement	0.678 liters(41.37 in³)
Bore	78 mm(3.07 in)
Stroke	81 mm(3.19 in)
Compression Ratio	8.5:1
Ignition system	Magneto ignition
Intake Air System	Naturally Aspirated
Starter motor rated voltage	DC 12V/0.8KW Electrical start
Battery charging Coil	DC 14V/2A
Oil capacity	1.5 liters(91.5 in³)
Air cleaner type	Dry
Recommended cold cranking amps: (CCA) rating for -18°C (0°F)	500

GENERATOR SET PERFORMANCE

Governor regulation class	ISO 8528 Part 1 Class G2
Governor type	Electronic
Voltage regulation	±5.0%
Random voltage variation	±1.0%
Frequency regulation	Isochronous
Frequency regulation, steady state	± 0.5% @ 50 Hz

SOUND EMISSIONS

Sound output in dB(A) at 23 ft (7 m) with generator in exercise mode *	63
Sound output in dB(A) at 23 ft (7 m) with generator at normal operation *	69

*Sound levels are taken from the front of the generator. Sound levels taken from other sides of the generator may be higher depending on installation parameters.

ALTERNATOR SPECIFICATIONS

Rated Power	8KW
Alternator Type	Synchronous, revolving field
Pole	2 pole
Rotor Insulation Class	F
Stator Insulation Class	F
Protection Level	IP23
Winding Material	Copper
Sea level	≤3280ft
Coupling	Direct coupling

ENGINE COOLING SYSTEM

Cooling system	Air cooled
Radiator Fan	Engine with its own fan

FUEL SYSTEM

Fuel Type	Natural Gas or LPG
Fuel supply pressure, kPa (in. H ₂ O):	NG: 1.2--2.7 (5-11) LPG: 1.7--2.7 (7-11)
Fuel pipe Size	G 1/2 pipe
Fuel Pipe Length	<33ft
Fuel consumption @50% (NG)	67.1ft³/h(1.9m³/h)
Fuel consumption @100%(NG)	113ft³/h(3.2m³/h)
Fuel consumption @50%(LPG)	37.79ft³/h (2.0kg/h)
Fuel consumption@100%(LPG)	56.68ft³/h (3.2kg/h)

Nominal fuel rating: Natural gas: 37 MJ/m³(1000 Btu/ft³)

LPG: 93 MJ/m³(2500 Btu/ft³)

LPG conversion factors: 8.58 ft³ = 1 lb.

0.535 m³ = 1 kg 36.39 ft³ = 1 gal.

UNIT DIMENSIONS AND WEIGHTS

Unit Weight (lbs/kg)	485/220
Gross Weight (lbs/kg)	540/245
Unit Size (in/mm)	45.28×26.38×25.2 / 1150×670×640
Packing size (in/mm)	48.43×29.92×30.31 / 1230×760×770
Packing	Carton +Metal Crate
20/40 Container Loading	39/81

NOTE: Dimensions are provided for reference only and should not be used for planning installation.

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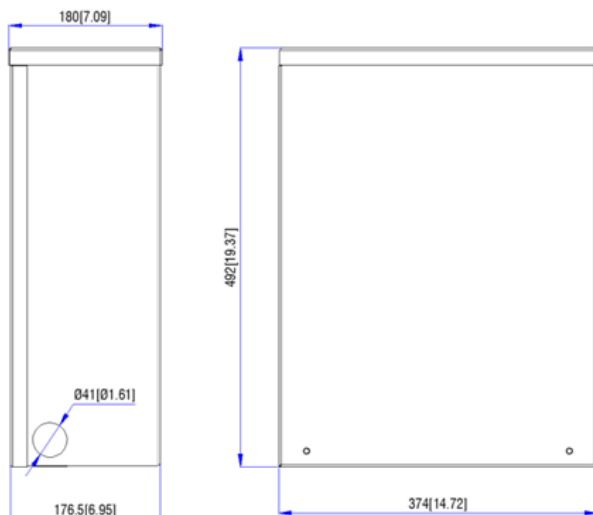
CONTROLLER FEATURES

- LCD display, easy to operate
- System voltage/ frequency selection and engine configuration
- Maintain steady-state speed (stepping alternator);
- High engine temperature
- Low oil pressure
- Overspeed/underspeed
- Crank cycle status
- Overvoltage/undervoltage
- Charging Fail

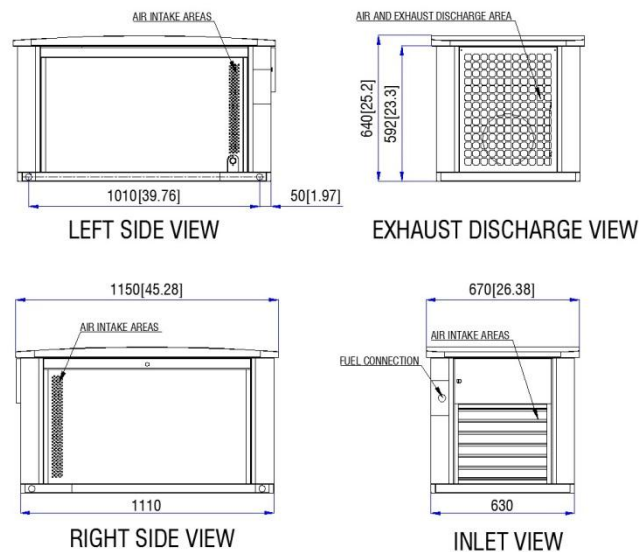


AUTOMATIC TRANSFER SWITCH

Pole	2
Rated Current	100A
Rated Volt	250VAC
Max Volt	300VAC
ATS Making Volt	170V
ATS Breaking Volt	150V
Withstand Rating	5000A
Dimension (in/mm)	19.37×14.72×7.09/492×374×180
Operating temp	-20℃ to 70℃ (-4°F to 158°F)
Storage temp	-40℃ to 85℃ (-40°F to 185°F)
Weight	17.5kg/38.58lbs



BASIC DIMENSIONS



Note: This outline drawing is provided for general reference only and is Not intended for use in design or installation. For more information, see Operators and Installation manuals or contact your distributor or dealer for assistance.

AVAILABLE ACCESSORIES

- Battery
- Battery Charger
- Battery Heater
- Oil Heater
- GSM-3 GSM MODEM (Upload status of running to mobile and computer)