

# WGP-I56/S

## ISUZU SERIES

### Features:

- Rotate speed governor: Mechanical governor
- Excitation system: Self excited
- A.V.R model: SX460
- Emergency stop switch
- ATS (automatic transfer switch) receptacle
- 24V sealed for life maintenance free battery
- Lockable battery isolator switch
- Powder coated canopy (Only for Soundproofed sets)
- 50°C radiator
- Oil pump on the engine
- Steel base frame with fork holes
- Vibration isolators between the engine/alternator and base frame
- Dry type air filter
- Base fuel tank for daily running
- Drain points for fuel tank
- Operation Manual / Specifications



### Dimensions and Weights

Model	L	W	H
WGP-I56	/	/	/
WGP-I56S	2250	850	1280

Dimensions for reference. Change or amendment without notice.

### Notes:

#### \*Prime Power

Continuous duty operation, under variable load 24/24h-10% over load

#### \*\*Standby Power

Standby duty, operation under variable load, without over load;

### Standard Reference Conditions

Note: Standard reference conditions 25°C (77°F) Air Inlet Temp, 100m(328 ft) A.S.L. 30% relative humidity. Fuel consumption data at full load with diesel fuel with specific gravity of 0.85 and conforming to BS2869: 1998,

### Output Ratings

Genset Model	Prime Power	Standby Power
WGP-I56	45kW/56kVA	50kW/63kVA
WGP-I56S	45kW/56kVA	50kW/63kVA

Power factor 0.8

### Ratings and Performance Data

Engine Model:	ISUZU 4BG1-Z
Alternator Brand:	WALT
Alternator Model:	WGP224E
Control System:	Smartgen HGM6120
Circuit Breaker:	Delixi
Frequency & Phase:	50Hz & 3Phase
Engine Speed: RPM	1500
Fuel Tank Capacity: L	
WGP-I56	10 hours
WGP-I56S	10 hours
Noise level	70dB at 7m
Fuel Consumption: l/hr (75% Load)	
- Prime Power	11.88
- Standby Power	13.07
Gross Weight (Kg)	1150 KGS
Warranty	12 months or 1500 hrs

**Engine Model: 4BG1-Z**

Engine Brand	ISUZU
Model	4BG1-Z
No.of Cylinders and Build	4 Cylinders, water cooled, 4 stroke directed injection, Turbocharged
Governor mode	Mechanical
Bore×Stroke(mm )	105×125
Compression ratio	17.5:1
Rated speed(rpm)	1500
Displacement(L)	4.333
Rated power(kW)	59
Standby power(kW)	65
Fuel consumption(g/kWh)	230
Max. ambient temperature	50°C
Flywheel housing	SAE 3
The lowest stable speed at zero load (r/min)	≤1000
Lubricating system	Pressure splashed
Starting type	Electric starter
Fuel type	0#,-10#,-20#
Lube oil type	CD Grade or SAE 10W-30, 15W-40
Lube oil capacity	11 Liters
Cooling water capacity	30 Liters
Starting motor capacity (V.A)	24V,3.7KW
Charging generator capacity (V.A)	28V 35A
Dry weight	342KGS

**Alternator Model: WGP224E**

**Alternator Physical Data**

Manufactured by:	WALT
Model:	224E
No. of Bearings:	/
Insulation Class:	H
Winding Pitch Code:	2/3
Wires:	12
Ingress Protection Rating:	IP23
Excitation System:	Self excited,shunt
AVR Model:	SX460

**Alternator Operating Data**

Overspeed: rpm	2250rpm
Voltage Regulation: (Steady state)	±1.0%
Wave Form NEMA = TIF:	<50
Wave Form IEC = THF:	<2%
Air Flow: m3/s	0.1
Altitude: m	≤1000

**Voltage Technical Data WGP-I56**

Voltage	Primary	Standby
V	kVA	kVA
400	56	63
/	/	/
/	/	/
/	/	/

**Voltage Technical Data WGP-I56S**

Voltage	Primary	Standby
V	kVA	kVA
400	56	63
/	/	/
/	/	/
/	/	/

HGM6120 ( AMF ) Genset Controller



Features:

- \* Adapt to 3P4W, 3P3W, 1P2W and 2P3W (120V/240V), 50Hz/60Hz AC power system
- \* Measure and display 3 phase voltage, 3 phase current, frequency, power parameter of
- \* Mains have functions of over/under voltage and lack of phase; Gens have functions of over/under voltage, over/under frequency and over current.
- \* Control protection: Automatic start/stop of genset, load transfer(ATS control) and perfect failure display and protection
- \* Precision collect and display parameters about Engine.
- \* With ETS, idle speed control, pre-heat control, speed droop/raising control, all of them are relay output

- \* Multi sensors of temperature, pressure and fuel level can be used directly, parameters can be defined by user
- \* Multi conditions of crank disconnect (speed sensor, oil pressure, generator) can be selected.
- \* Widely Power supply range: DC(8~35)V, suitable to different start battery voltage environment

Optional

<p>Engine</p> <ul style="list-style-type: none"> <li>• Water Jacket Preheater</li> <li>• Fuel-water separator</li> <li>• Oil pump</li> <li>• Oil preheater</li> <li>• Battery preheater</li> </ul>	<p>Alternator</p> <ul style="list-style-type: none"> <li>• PMG excitation</li> <li>• Alternator heater</li> <li>• Winding Temperature Measuring</li> <li>• Anti-damp and anti-corrosion treatment</li> <li>• Anti-condensation heater</li> </ul>	<p>Generator Set</p> <ul style="list-style-type: none"> <li>• Tools with the machine</li> <li>• Coolant (-30°C)</li> </ul>
<p>Canopy</p> <ul style="list-style-type: none"> <li>• Hired type</li> <li>• Trailer</li> </ul>	<p>Fuel System</p> <ul style="list-style-type: none"> <li>• Low fuel level alarm</li> <li>• Automatic fuel feeding system</li> <li>• Fuel T-valves</li> <li>• Dual Wall Integral Fuel Tanks</li> <li>• Dual Wall Sub-base Fuel Tanks</li> <li>• Automatic Fuel Fill Options</li> <li>• Fuel level shut down sensor</li> </ul>	<p>Control System</p> <ul style="list-style-type: none"> <li>• AMF function</li> <li>• ATS control cabinet</li> <li>• Double HZ &amp; Volt</li> <li>• ABB &amp; MCCB</li> </ul>
<p>Air Inlet system</p> <ul style="list-style-type: none"> <li>• Air pre-heater</li> </ul>	<p>Lube system</p> <ul style="list-style-type: none"> <li>• Manual sump pump</li> <li>• Lubricant oil pre-heater</li> </ul>	<p>Starting /Charging system</p> <ul style="list-style-type: none"> <li>• Jacket water heater</li> </ul>

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Walt reserves the right to make changes in model, technical specification, color, configuration and accessories without prior notice.

Please contact the salesman before ordering.

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