

WGP-I115/S-6

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-I115-6	/	/	/
WGP-I115S-6	2800	1050	1550

Dimensions for reference. Change or amendment without notice.

Output Ratings

Genset Model	Prime Power	Standby Power
WGP-I115-6	84kW/105kVA	92kW/115kVA
WGP-I115S-6	84kW/105kVA	92kW/115kVA

Power factor 0.8

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,

Ratings and Performance Data

Engine Model:	ISUZU 6BG1-Z1
Alternator Brand:	WALT
Alternator Model:	WGP224G
Control System:	Smartgen HGM6120
Circuit Breaker:	Delixi
Frequency & Phase:	60Hz & 3Phase
Engine Speed: RPM	1800
Fuel Tank Capacity: L	
WGP-I115-6	10 hours
WGP-I115S-6	10 hours
Noise level	70dB at 7m
Fuel Consumption: l/hr (75% Load)	
- Prime Power	17.88
- Standby Power	19.67
Gross Weight (Kg)	1500 KGS
Warranty	12 months or 1500 hrs

Engine Model: 6BG1-Z1

Engine Brand	ISUZU
Model	6BG1-Z1
No.of Cylinders and Build	6 Cylinders, water cooled, 4 stroke directed injection, Turbocharged
Governor mode	Mechanical
Bore×Stroke(mm)	105×125
Compression ratio	17.5:1
Rated speed(rpm)	1800
Displacement(L)	5.885
Rated power(kW)	105
Standby power(kW)	115
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	575KGS

Alternator Model: WGP224G

Alternator Physical Data

Manufactured by:	WALT
Model:	224G
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-I115-6

Voltage	Primary	Standby
V	kVA	kVA
400	105	115
/	/	/
/	/	/
/	/	/

Voltage Technical Data WGP-I115S-6

Voltage	Primary	Standby
V	kVA	kVA
400	105	115
/	/	/
/	/	/
/	/	/

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

WALT GLOBAL POWER EQUIPMENT CO.,LTD

E-mail: sales@waltpower.com
 Walt reserves the right to make changes in model, technical specification, color, configuration and accessories without prior notice.
 Please contact the salesman before ordering.
 2018 by WALT, All right reserved