

WGP-I50/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-I50	/	/	/
WGP-I50S	2150	780	1220

Dimensions for reference. Change or amendment without notice.

Output Ratings

Genset Model	Prime Power	Standby Power
WGP-I50	40kW/50kVA	44kW/55kVA
WGP-I50S	40kW/50kVA	44kW/55kVA

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 4BD1-Z
Alternator Brand:	WALT
Alternator Model:	WGP224D
Control System:	Smartgen HGM6120
Circuit Breaker:	Delixi
Frequency & Phase:	50Hz & 3Phase
Engine Speed: RPM	1500
Fuel Tank Capacity: L	
WGP-I50	10 hours
WGP-I50S	10 hours
Noise level	70dB at 7m
Fuel Consumption: l/hr (75% Load)	
- Prime Power	9.51
-Standby Power	10.46
Gross Weight (Kg)	1140 KGS
Warranty	24 months or 1500 hrs

Engine Model: 4BD1-Z

Engine Brand	ISUZU
Model	4BD1-Z
No.of Cylinders and Build	4 CylinderS, water cooled, 4 stroke directed injection, Turbocharged
Governor mode	Mechanical
Bore×Stroke(mm)	102×118
Compression ratio	17.5:1
Rated speed(rpm)	1500
Displacement(L)	3.856
Rated power(kW)	48
Standby power(kW)	53
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: WGP224D

Alternator Physical Data

Manufactured by:	WALT
Model:	224D
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-I50

Voltage	Primary	Standby
V	kVA	kVA
400	50	55
/	/	/
/	/	/
/	/	/

Voltage Technical Data WGP-I55S

Voltage	Primary	Standby
V	kVA	kVA
400	50	55
/	/	/
/	/	/
/	/	/

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/gens
- * 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.

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