

WGP-I48/S-6

ISUZU SERIES

Features:

- Rotate speed governor: GAC Electrical governor
- Excitation system: Self excited
- A.V.R model: SX460
- Emergency stop switch
- ATS (automatic transfer switch) receptacle
- 12V 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-I48-6	/	/	/
WGP-I48S-6	1850	750	1200

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-I48-6	35kW/43kVA	38kW/48kVA
WGP-I48S-6	35kW/43kVA	38kW/48kVA

Power factor 0.8

Ratings and Performance Data

Engine Model:	ISUZU 4JB1TA
Alternator Brand:	WALT
Alternator Model:	WGP184H
Control System:	Smartgen HGM420
Circuit Breaker:	Delixi
Frequency & Phase:	60Hz & 3Phase
Engine Speed: RPM	1800
Fuel Tank Capacity: L	
WGP-I48-6	10 hours
WGP-I48S-6	10 hours
Noise level	68dB at 7m
Fuel Consumption: l/hr (75% Load)	
- Prime Power	6.73
- Standby Power	7.41
Gross Weight (Kg)	920 KGS
Warranty	12 months or 1500 hrs

Engine Model: 4JB1TA

Engine Brand	ISUZU
Model	4JB1TA
No.of Cylinders and Build	4 Cylinder,water cooled, 4 stroke directed injection, Turbocharged
Governor mode	GAC Electrical
Bore×Stroke(mm)	93×102
Compression ratio	18.2:1
Rated speed(rpm)	1800
Displacement(L)	2.779
Rated power(kW)	44
Standby power(kW)	49
Fuel consumption(g/kWh)	218
Max. ambient temperature	50℃
Flywheel housing	SAE 3
The lowest stable speed at zero load (r/min)	≤850
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	8.5 Liters
Cooling water capacity	10 Liters
Starting motor capacity (V.A)	12V,2.8KW
Charging generator capacity (V.A)	12V 50A
Dry weight	275KGS

Alternator Model: WGP184H

Alternator Physical Data

Manufactured by:	WALT
Model:	184H
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-I48-6

Voltage	Primary	Standby
V	kVA	kVA
460	43	48
/	/	/
/	/	/
/	/	/

Voltage Technical Data WGP-I48S-6

Voltage	Primary	Standby
V	kVA	kVA
460	43	48
/	/	/
/	/	/
/	/	/

HGM420 (AMF) Genset Controller



Features:

- * HGM420, AMF (Auto Mains Failure), mains electric quantity monitoring and mains/generator automatic transfer control function, especially for automatic system composed by generator and mains
- * Suitable for 3-phase 4-wire systems with voltage 400V and frequency 50Hz.
- * Collects and shows 3-phase voltage, current, power parameter and frequency of generator or mains.
- * For Mains, controller has over voltage, under voltage and loss of phase detection functions; For generator, controller has over voltage, under voltage, over frequency, under frequency and over current detection functions
- * Precision collect and display parameters about Engine.
- * Control & Protection: automatic start/stop of the genset, ATS(Auto Transfer Switch) control with perfect fault indication and protection function.

- * With ETS(Energize To Stop), idle control, pre-heat control, speed raise control and speed drop control function, All output ports are relay-out
- * Multiplex input port 3 and 4 can be used in various fields: input 3 can be used as auxiliary input port or fuel level sensor while input 4 can be used as auxiliary input port or configurable sensor.
- * More kinds of curves of temperature, oil pressure, fuel level can be used directly and users can define the sensor curves by themselves,
- * Multiple crank disconnect conditions (magnetic pickup, oil pressure, generator frequency) are optional
- * Widely Power supply range: DC(8~35)V, suitable to different start battery voltage environment

Optional

Engine	Alternator	Generator Set
<ul style="list-style-type: none"> • Water Jacket Preheater • Fuel-water separator • Oil pump • Oil preheater • Battery preheater 	<ul style="list-style-type: none"> • PMG excitation • Alternator heater • Winding Temperature Measuring • Anti-damp and anti-corrosion treatment • Anti-condensation heater 	<ul style="list-style-type: none"> • Tools with the machine • Coolant (-30°C)
Canopy	Fuel System	Control System
<ul style="list-style-type: none"> • Hired type • Trailer 	<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 	<ul style="list-style-type: none"> • AMF function • ATS control cabinet • Double HZ & Volt • ABB & MCCB
Air Inlet system	Lube system	Starting /Charging system
<ul style="list-style-type: none"> • Air pre-heater 	<ul style="list-style-type: none"> • Manual sump pump • Lubricant oil pre-heater 	<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.
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