

WGP-F47/S

FAWDE Series

Features:

- Rotate speed governor: Mechanical governor
- Excitation system: Self excited, SHUNT
- 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-F47	1800	850	1250
WGP-F47S	2280	950	1260

Output Ratings

Genset Model	Prime Power	Standby Power
WGP-F47	47kVA/38kW	52kVA/42kW
WGP-F47S	47kVA/38kW	52kVA/42kW

Ratings at 0.8 power factor

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:	FAWDE 4DX23-65D
Alternator Brand:	WALT
Alternator Model:	WGP224D
Control System:	Auto Genset / AMF
Circuit Breaker Type:	3 Pole MCCB
Frequency & Phase:	50Hz & 3PH
Engine Speed: RPM	1500
Fuel Tank Capacity: L	
WGP-F47	10 hrs
WGP-F47S	10 hrs
Fuel Consumption: l/hr (100% Load)	
- Prime Power	12.5
- Standby Power	13.7

Engine Model: FAWDE 4DX23-65D

Type	4-cylinder 4-stroke
Air intake type	Turbocharged
Cooling mode	Water cooling
Governor mode	Mechanical & Electronic
Bore×Stroke(mm)	102×118
Compression ratio	17:1
Rated speed(rpm)	1500
Displacement(L)	3.86
Rated power(without fan)(kW)	48
Standby power(without fan)(kW)	53
Fuel consumption(g/kWh)	215
Oil consumption(L/h)	0.05
Steady state speed regulation(%)	≤5
Oil capacity including filter(L)	13
Emission compliant	Stage II
The flywheel shell interface	SAE3
Fan consumption (kW)	3
Heat rejection of exhaust (kW)	43.5
Exhaust gas temperature after turbine (°C)	480.0
Exhaust gas flow (m3/min)	10.4
Heat rejection from engine (kW)	3.3
Heat rejection of coolant (kW)	29.0
Alternator	35A 28V
Starter motor	4.5kW 24V
Cooling system	Radiator with connecting pipes; Fan guard;Belt guard

Alternator Model: WGP224D

Alternator Physical Data

Manufactured by:	WALT
Model:	WGP224D
No. of Bearings:	Single
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-F47

Voltage	Prime	Standby
	kVA	kVA
380/220	47	52
400/230	47	52
415/240	47	52
440/254	47	52

Voltage Technical Data WGP-F47S

Voltage	Prime	Standby
	kVA	kVA
380/220	47	52
400/230	47	52
415/240	47	52
440/254	47	52

Control System DSE4620



Features:

- Large back-lit icon LCD display.
- 3-phase generator sensing.
- 3-phase generator and mains (utility) sensing.
- 600 V ph-ph nominal system compatibility.
- Generator & load power monitoring (kW, kV A, kV Ar, pf).
- Generator overload protection (kW).
- Configurable inputs & outputs.
- Fuel & crank outputs.
- Magnetic pick-up speed sensing.
- Battery voltage monitoring.
- Configurable event log (50).
- DSE Configuration Suite PC Software.
- Engine speed protection, engine hours counter, engine pre-heat, engine run-time scheduler, engine idle control for start/stop.

Control System DSE7420



Features:

- Microprocessor control, with high stability and credibility .
- Mains supply and generator operation monitoring.
- Indicating operation status and fault conditions.
- Multiple protections; multiple parameters display such as pressure, temperature.
- Manual and automatic work mode selectable.
- Real time clock for time and date display, overall runtime display, 99 log entries
- Overall power output display.
- Integral speed/frequency detecting, telling status of start, rated operation, overspeed.
- Communication with PC via RS485 or RS232 interface, using MODBUS protocol.
- Engine ECU is available.
- Common USB cable is usable for parameter configuration.
- Multi-language is available

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