

WGP-L180/S-6

LOVOL Series

Features:

- Rotate speed governor: GAC Electrical governor
- Excitation system: Self excited, SHUNT
- A.V.R model: SX440
- 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 max
- 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-L180-6	2030	980	1400
WGP-L180S-6	3280	1150	1780

Output Ratings

Genset Model	Prime Power	Standby Power
WGP-L180-6	163kVA/130kW	180kVA/143kW
WGP-L180S-6	163kVA/130kW	180kVA/143kW

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:	Loval 1106C-P6TAG3
Alternator Brand:	WALT
Alternator Model:	WGP274E
Control System:	Auto Genset / AMF
Circuit Breaker Type:	3 Pole MCCB
Frequency & Phase:	60Hz & 3PH
Engine Speed: RPM	1800
Fuel Tank Capacity: L	
WGP-L180-6	10 hrs
WGP-L180S-6	10 hrs
Fuel Consumption: l/hr (100% Load)	
- Prime Power	28
- Standby Power	31

Engine Model: LOVOL 1106C-P6TAG3

Rated Output kW (PRP)	155
Rated Output kW (STANDBY)	170
Manufacturer	Tianjing LOVOL Engine
Model	1106C-P6TAG3
No.of Cylinders and Build	4 Cycle; In-line, 6 Cylinder Diesel
Aspiration and Cooling	Turbocharged and intercooled
Bore × Stroke	100×127 mm
Compress the ratio	17.5:1
Cooling system	Water-cooled
Engine Speed/Frequency (rpm/Hz)	1800/60HZ
Coolant Capacity (L)	36.3
Starting System	Electric 12 volt DC
Displacement (L)	5.98
Lubricant system Capacity (L)	19.3
Battery Volatge / Capacity	12V DC
Governing Type	Mechanical
Air Filter	Dry Type
Fuel Consumption (Load L/h)	
110% Load	31.0
100% Load	28.0
75% Load	19.6
50% Load	12.6

Alternator Model: WGP274E

Alternator Physical Data

Manufactured by:	WALT
Model:	WGP274E
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:	SX440

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-L180-6

Voltage	Prime	Standby
	kVA	kVA
110/220	150	165
220/440	150	165
230/460	150	165
240/480	150	165

Voltage Technical Data WGP-L180S-6

Voltage	Prime	Standby
	kVA	kVA
110/220	150	165
220/440	150	165
230/460	150	165
240/480	150	165

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



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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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