

# WGP-L53/S-6

## LOVOL 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
- 12V sealed for life maintenance free battery
- Lockable battery isolator switch
- Powder coated canopy (Only for Soundproofed sets)
- 40°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-L53-6	1800	860	1200
WGP-L53S-6	2400	1000	1300

### Output Ratings

Genset Model	Prime Power	Standby Power
WGP-L53-6	48kVA/38kW	53kVA/42kW
WGP-L53S-6	48kVA/38kW	53kVA/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:	Lovol 1003TG
Alternator Brand:	WALT
Alternator Model:	WGP184H
Control System:	Auto Genset / AMF
Circuit Breaker Type:	3 Pole MCCB
Frequency & Phase:	60Hz & 3PH
Engine Speed: RPM	1800
Fuel Tank Capacity: L	
WGP-L53-6	10 hrs
WGP-L53S-6	10 hrs
Fuel Consumption: l/hr (100% Load)	
- Prime Power	6.9
- Standby Power	7.6

**Engine Model: LOVOL 1003TG**

Rated Output kW ( PRP )	50
Rated Output kW ( STANDBY )	55
Manufacturer	Tianjing LOVOL Engine
Model	1003TG
No.of Cylinders and Build	4 Cycle; In-line, 3 Cylinder Diesel
Aspiration and Cooling	Turbocharged
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)	15.9
Starting System	Electric 12 volt DC
Displacement (L)	2.99
Lubricant system Capacity (L)	8.1
Battery Volatge / Capacity	12V DC
Governing Type	Mechanical
Air Filter	Dry Type
Fuel Consumption (Load L/h)	
110% Load	7.6
100% Load	6.9
75% Load	4.5
50% Load	3.0

**Alternator Model: WGP184H**

**Alternator Physical Data**

Manufactured by:	WALT
Model:	WGP184H
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-L53-6**

Voltage	Prime	Standby
	kVA	kVA
110/220	48	53
220/440	48	53
230/460	48	53
240/480	48	53

**Voltage Technical Data WGP-L53S-6**

Voltage	Prime	Standby
	kVA	kVA
110/220	48	53
220/440	48	53
230/460	48	53
240/480	48	53

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



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