

50KW WEICHAH DIESEL GENERATOR UW50GF

Standby Power(50HZ)	55KW/68.75KVA
Prime Power(50HZ)	50KW/62.5KVA

Standard Features

General Features

- Engine(WEICHAH WP4.1D66E200)
- Radiator 50°C, fans are driven by belt
- 24V charge alternator and starter
- Alternator (224E), single bearing alternator IP23, insulation class H/H
- Absorbers installed
- Base frame with 8hrs fuel tank
- Main line circuit breaker
- Standard control panel
- 2pcs free maintenance battery, rack and cable
- Ripple flex exhaust pipe, bellows, flange, muffler.
- User manual, Test report, etc



Generator Ratings

voltage	HZ	phase	P.F	Standby/Prime Amps	Standby Rating (KW/KVA)	Prime Ratings (KW/KVA)
400/230V	50	3	0.8	99/90	55/68.75	50/62.5

Prime power (PRP): Prime power is available for an unlimited number of annual hours in available load application, in accordance with GB/T2820-97(EQVLS08528); A 10% overload capability is available for a period of 1 hour within a 12-hour period of operation.

Standby power Rating (ESP); The standby power rating is application for supplying emergency power for the duration of a utility power interruption. No overload, utility parallel or negotiated outage operation capability is available at this rating.

Sales Promises

We provide a full line of brand new and high quality products. Each and every unit is strictly on load tested before delivery. Warranty is according to our standard conditions: 12 months or 1500 running hours, whichever occurs first. Service and parts are available from our factory or distribution in your location.

ENGINE DATA

Manufacturer /Model	WEICHAH WP4.1D66E200
Air intake System	Turbocharged

Cylinder Arrangement	4 in LINE
Displacement	4.087L
Bore and Stroke	105*118 (MM)
Compression Ratio	17.5:1
Rated RPM	1500rpm
Prime power at rated RPM	60KW
Max standby Power at Rated RPM	66KW
Governor Type	Mechanical
Start system	DC24V electric start
Rated fuel consumption	11.7L/hr
Oil capacity	13L

ALTERNATOR SPECIFICATION

General data

Compliance with GB755, BS5000, VDE0530, NEMAMG1-22, IED34-1, CSA22.2 and AS1359 standards.

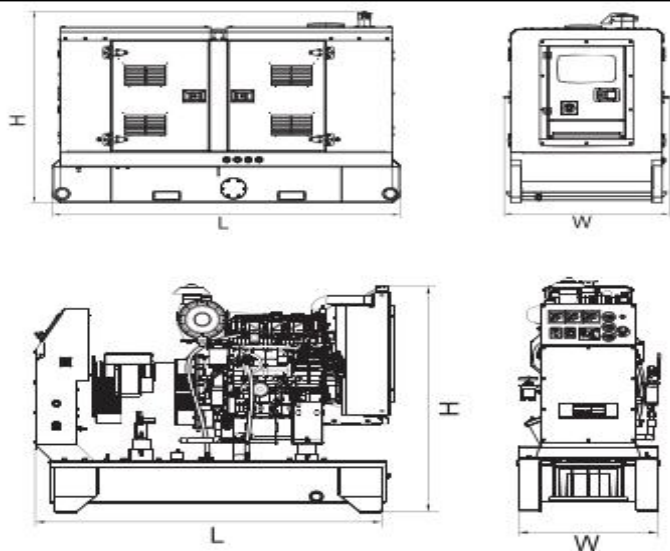
Alternator Data

Manufacture /Type	Stamford technology alternator /224E
Number of Phase	three
Number of Bearing	one
Power Factor	0.8
Protection Grade	IP23
Altitude	≤1000m
Exciter Type	Brush less, self-exciting
Insulation Class, Temperature Rise	H/H
Telephone Influence Factor (TIF)	< 50
THF	<2%
Voltage Regulation, Steady State	≤1.5%
Alternator Capacity	62.5KVA

GENERATING SET DATA

Voltage Regulation	≥±5%
Voltage Regulation, Stead State	≤±1%
Sudden Voltage Warp (100% Sudden Reduce)	≤+25%
Sudden Voltage Warp (sudden Increase)	≤-20%
Voltage Stable Time (100% sudden Reduce)	≤6s
Voltage Stable Time (Sudden Increase)	≤6s
Frequency Reduce	≤5% adjustable
Frequency Regulation, Stead State	≤1.5%
Frequency waving	≤0.8 %
Sudden Frequency Warp (100% Sudden Reduce)	≤+12%
Sudden Frequency Warp (Sudden Increase)	≤-10%
Frequency Recovery Time (100% sudden Reduce)	≤5s
Frequency Recovery Time (Sudden Increase)	≤5s

Dimension & Weight

	<p>Open Type (L*W*H):</p> <p>Overall Size: 2000*850*1450mm</p> <p>Weight: 1020 kgs</p> <p>Silent Type (L*W*H):</p> <p>Overall Size: 2500*1000*1600mm</p> <p>Weight: 1450 kgs</p>
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Options

Type	Fuel System	Control System
<ul style="list-style-type: none"> ● Rainproof Type ● Soundproof and rainproof Type ● Trailer Type 	<ul style="list-style-type: none"> ● Daily Fuel Tank ● Base Fuel Tank 	<ul style="list-style-type: none"> ● Auto Control Panel ● Remote Control Panel ● Auto Transfer Switch (ATS)

Standard Control Panel



Standard Control Panel is the basic configuration for normal operation and usage. It is of some advantage such as easy to operate various function and well protection. Operative buttons such as Turn On, Per-heart. Starting, Stop (Emergency Stop) on the panel. while malfunction occurs, control panel will stop the generator and also alarm with light or buzz.

Alarms:

- ☒ Over and Under Speed
- ☒ Low and High Battery Volt.
- ☒ Start and Stop Failure
- ☒ Charge fail
- ☒ Over Current
- ☒ Under / Over Generator Voltage
- ☒ Low Oil Pressure
- ☒ High engine temperature

Auto Module Control Panel and ATS



Automatic Control Panel is the basic configuration for nobody on duty controlling generator. This kind of panel can accept the remote Start/Stop signals. DSE7320 controller, integrating digital, intelligent and network techniques, is used for automatic control and monitoring system of genset. It can carry out functions of automatic start/stop, data measurement, alarm protection and three "remote" (remote control, remote measure and remote communication). The controller uses LCD display, optional display interface including Chinese, English, Spanish, Russian, Portuguese, Turkey, Polish and French with easy and reliable operation.

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Metering via LED display:

- ☒ Generator Volts(L-L / L-N) /Power(KW) /Current (A) / Frequency (HZ) / Speed(RPM) /Cos (σ)
- ☒ Mains voltage (V) / Frequency (HZ)
- ☒ Engine oil pressure (Kpa-PSI-Bar)
- ☒ Engine temperature ($^{\circ}$ C & $^{\circ}$ F)
- ☒ Battery volts
- ☒ Engine hours run
- ☒ Generator accumulate electric energy(kwh)

Silent canopy feature



- ☒ silent / weatherproof steel enclosure treated with polyester powder coated .
- ☒ Large residential muffler for silent operation.
- ☒ Black-finish stainless steel locks and hinges for maximum weather protection.
- ☒ Integrated steel base tank.
- ☒ Control panel viewing window including security access doors.
- ☒ Large access doors for easy maintenance,operation and repairs.
- ☒ Emergency stop push button mounted on enclosure exterior