

25KVA ISUZU DIESEL GENERATOR UI25GF/S

Standby Power(60HZ)	22KW/27.5KVA
Prime Power(60HZ)	20KW/25KVA

Standard Supply Scope

General Features

- Engine(Isuzu JE493DB-03)
- Radiator, fans are driven by belt
- Silent canopy
- 24V starter motor and charge alternator
- Alternator (184ES), single bearing alternator IP23, Absorbers installed
- Main line circuit breaker
- Control panel
- 8hrs Base fuel tank
- Batteries, 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 (KVA)	Prime Ratings (KVA)
220/127V	60	3	0.8	72/65	27.5	25
380/220V	60	3	0.8	42/38	27.5	25
440/220V	60	3	0.8	36/33	27.5	25
480/277V	60	3	0.8	33/30	27.5	25

Prime power (PRP): Prime power is available for an unlimited number of annual hours in available load application, in according with GB/T2820-97(EQVLso8528); 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 test before delivery. Warranty is according to our standard conditions: 12 months or 1500 running hour's, subject to the earlier one. Service and parts are available from our factory or distribution in your location.

ENGINE DATA

Manufacturer /Model	Isuzu JE493DB-03
Air intake System	Naturally
Type	four-stroke, direct injection, water cooled
Cylinder Arrangement	4 in LINE
Displacement	2.771L
Bore and Stroke	93*102 (MM)
Compression Ratio	18.2:1
Rated RPM	1800rpm
Prime power at rated RPM	25KW
Max standby Power at Rated RPM	28KW
Governor Type	Mechanical
Oil capacity	5.6L
Rated fuel consumption	≤220g/kw.h

ALTERNATOR SPECIFICATION

General data

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

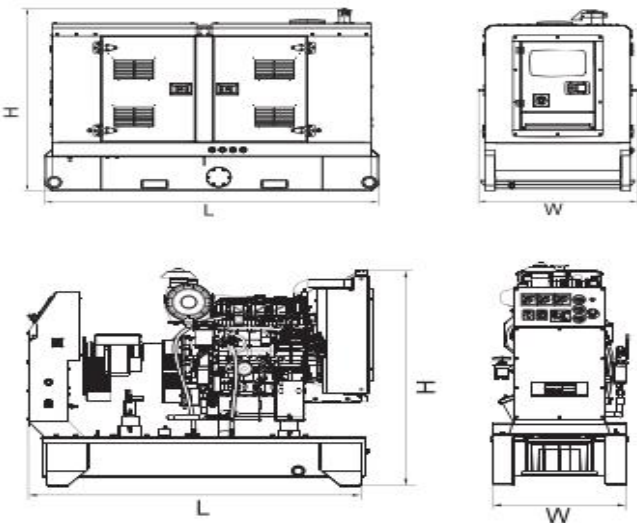
Alternator Data

Manufacture model	184ES
Number of Phase	3 phase
Number of Bearing	one
Power Factor	0.8
Protection Grade	IP22
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	25KVA

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-frame Type (L W H):</p> <p>Overall Size: 1800*750(mm)*1430 (mm)</p> <p>Weight: 860 kgs</p> <p>Silent type (L W H):</p> <p>Overall Size: 2300(mm)*1000(mm)*1580 (mm)</p> <p>Weight: 1000 kgs</p>
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Auto Module Control Panel



Automatic Control Panel is the basic configuration for nobody on duty controlling generator when ATS built in.

The controller with LCD display, optional display interface in eight different languages with easy and reliable operation. 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).

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
- ☒ Emergency stop
- ☒ High engine temperature

Metering via LED display:

- ☒ Generator Volts(V), Ampere(A), Frequency(HZ), POWER(KW) Cos (σ)
- ☒ Mains Volts(V), Ampere(A), Frequency(HZ), POWER(KW)
- ☒ Engine temperature ($^{\circ}$ C & $^{\circ}$ F)
- ☒ Lub. Oil pressure (kpa/psi/bar)
- ☒ Engine speed r/min(r/min)

	<input checked="" type="checkbox"/> Battery volts <input checked="" type="checkbox"/> Charging alternator volts <input checked="" type="checkbox"/> Engine hours run
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Silent canopy feature

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

Type	Fuel System	Control System
<ul style="list-style-type: none"> ● Rainproof Type ● Soundproof 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)