

Diesel Generator 1000KVA Specifications 50Hz, 380V-400V, 3Phase 1500RPM

Standard Specifications

Three phase four wires, output voltages 100-400V, 50HZ, between 0.8 lagging, protection capability abiding by the standards of NEMA1 and IP23.

General features:

- \ western diesel engine and European Type alternator or equivalent type of engine
- Oil and fuel filter fitted, water separator
- Lube-oil drain valve fitted
- Electric starter motor 24 V. D.C
- Output range: Prime-1000kVA / Standby-1100KVA
- Induction system: Turbocharged
- Key start / auto start
- Mechanical /Electrical governor
- 4 pole MCCB, set mounted starting battery
- Soundproof or weatherproof canopy
- Special Integrated Steel Base tank and sprayed overall in gloss enamel paint

Dimensions & Weight With Enclosure

Overall size (L*W*h), mm:

L = 6250 – 6000mm or approx

W=2500-2250mm or approx

H = 2500-2600mm or approx

Weight (kg) :9500-11000 or approx

Engine Specifications

In-line direct injection 8-cylinder diesel engine.

Type

Water cooled, four cycle, Turbocharged

Construction

Two valves per cylinder, forged steel crankshaft and connecting rods, cast iron block.

Starting 24 volt negative earth. battery charging alternator 35 amp on engine. Cranking current 640 amps at 0oc.

Fuel System

24 volt fail safe actuator. Spin-on paper element fuel filters with fuel pump injection system with integral

Electronic governor. Dual flexible fuel lines

And connectors. Standard fuel water separator.

Filters.

Air cleaner with dry element and restriction indicator.

Spin full flow lube oil filter.

Oil cooler. Drain Tap

Control Panels

Standard Control

Function

- Under / Over Mains

Volts /Frequency

- External Remote control

start output (load /

un-load)

- Configurable relay

outputs

- Synchronization auto /

synchronization output

- All function telecom

remote control

- Engine and Alternator instrumentation monitor
- Configurable input trip point by 9 users or equivalent
- 4 user output trip point
- Control LCD brightness in low brightness environment

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AC ALTERNATOR

Alternator Technical Data

European Type AC alternator or equivalent

- Brushless, self exciting
- Class 'H' insulation
- Standard degree of protection is IP23
- Self regulating
- With fan cooling
- Resist humid grease
- AC excitation, rotating rectification tube
- Stator grease insulation covered
- Rotator and excitation high polymer, Resist the corruption of oil and acid.
- Rotator balance is in accordance with BS5625 standard 12.5
- High-quality lubrication sealed long-time bearing
- Rotator silicon steel close tight

Alternator Technical Data

Generator Frame 18/22

Exciter Brushless

Cooling Fan Cast alloy aluminum

Bearing Single, double shielded

Windings 100% copper

Connection Type Reconnectable

Insulation Type Class H

Pitch 2/3

Amortisseur Winding Full

Voltage Regulator AS440 / R450 / R448

Voltage Regulation NL - FL $\pm 1.5\%$

Underspeed Protection Standard

Overexcitation Protection IP23

Standards NEMA, IEC, IEEE, CSA, BS

Phase Sequence A(U), B(V), C(W)

TIF (1960 Weightings) <50

50HZ at 1500 RPM, 3-PHASE, 400V