Annex (A) Diesel Generator 30KVA Specifications

Standard Specifications

Three phase four wires, output voltages 100-440V, 50HZ, between 0.8 lagging, protection capability abiding by the standards of NEMA1 and IP23.

General features:
- Composed of western diesel engine and European Type alternator
- Oil and fuel filter fitted, water separator
- Lube-oil drain valve fitted
- Electric starter Charge 12V DC
- Output range: Prime-30kVA / Standby-33KVA
- Induction system: Turbocharged
- 8-hour operation base tank
- Key start / auto start
- Mechanical /Electrical governor
- 4 pole MCCB, set mounted starting battery
- Soundproof or weatherproof canopy
- Operation & Maintenance manual
- Special Integrated Steel Base tank and sprayed overall in gloss enamel paint and colored Canopy

Dimensions with Enclosure

Overall size (L*W*h), mm:
L= 2000-2500
W=900-1200
H= 1400-1800
Weight (kg) :1000-1500

Engine Specifications

In-line direct injection 3-cylinder diesel engine.
Type
Water cooled, four cycle, Natural aspirated
Construction
Two valves per cylinder, forged steel crankshaft and connecting rods, cast iron block.
Starter 12 volt negative earth, battery charging
alternator 35 amp on engine. Cranking current 640 amps at 0°C.
Fuel System

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
- 9 Configurable input trip point by 9 users
- 4 user output trip point
- Control LCD brightness in low brightness environment
- PIN password
- Send SMS via GSM modem
- Reflect load relay output
- Control vary trip point

AC ALTERNATOR

Alternator Technical Data
European Type AC alternator
- 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 / R250  
Voltage Regulation NL - FL ± 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