

Product Name :
Diesel Automatic Driven Generator Set

Product Code :
POWER-GEN002



Description :

Diesel Automatic Driven Generator Set

Technical Specification :

A complete diesel generator set including the diesel engine, alternator, control panel, automatic starting equipment, fuel tank and all other accessories for autonomous operation.

Rated power: 250kVA, 200kW, Power factor (Cos. ϕ = 0.8), 400/230V, 3-phase, 50Hz at NTP (Normal Temperature and Pressure)

Engine:

Water-cooled with fresh water loop and tropical radiator

Synchronous speed: Up to 1500rpm

Cartridge oil filter

External fuel filter

Industrial silencer exhausts with suitable flexible piping

Mechanical speed governor

Heavy duty air cartridge filter

Automatic electric starter including batteries, leads and automatic battery charging equipment

Fuel tank of suitable construction with capacity sufficient to run the generator set continuously for 8 hours at the rated capacity

Made of steel sheets of appropriate thickness subjected to anti-oxidizing treatment and covered with epoxy resin with suitable protection factor

The panel board comprises:

Automatic main circuit breaker

Key to start and stop the unit

Emergency stop button

Set-point for speed/governor control

Set-point for voltage control

Change over switch with positions for "MAINS" - "OFF" - "GENERATOR"

Meters for: Volts , amperes , frequency, running hours counter

Acoustic and visible alarms for critical parameters including high engine temperature low oil pressure and low fuel should be provided

The generator set should be equipped with automatic shutdown equipment if fatal parameters are exceeded including low oil pressure, high engine temperature and over-speed

The engine and the alternator should be connected with a heavy-duty elastic coupling and should be mounted on a common rigid base frame with anti-vibration dampers and lifting eyes flexible for transportation.

Alternator:

Synchronous, air cooled and brushless

Automatic fast voltage regulator, maintaining the output within 2 % under normal conditions

Screen protected

One 3 pole and one 5 pole Socket



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