

Product Name :
Electricity Generating Set

Product Code :
POWER-GEN0003



Description :

Electricity Generating Set

Technical Specification :

General:

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: 15 KVA (12 kW), 400/230 V, 3-phase, 50 Hz, at (NTP) Normal Temperature and Pressure

Power factor: Cos. ϕ = 0.8

The use of the generator as prime or stand-by should be clearly stated by the country office when the set is requested

Alternator:

Synchronous and brushless

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

CEE Sockets: one 3 pole and one 5 pole

Fuel tank:

Fuel level indicator should be conveniently placed

Suitable piping should be provided for connecting the tank to the engine as well as for filling the tank

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

Engine:

Heavy duty diesel engine, with the following characteristics:

Air-cooled. Synchronous speed: Up to 1500 rpm

Cartridge oil filter

External fuel filter

Residential silencer

Mechanical speed governor

Heavy duty air cartridge filter

Exhaust with suitable flexible piping

Electric starter including batteries, leads and automatic battery charging equipment

Panel Board:

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 the following:

Automatic main circuit breaker

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

Key to start and stop the unit

Emergency stop button

Set-point for speed/governor control

Set-point for voltage control



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