

Product Name :
Complete Diesel Automatic Generator Set

Product Code :
POWER-GEN0006



Description :

Complete Diesel Automatic 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.

Rates Power:

20kVA, 16kW, Power factor (Cos. $\phi = 0.8$), 400/230V, 3-phase, 50Hz at NTP (Normal Temperature and Pressure)

Engine:

Heavy duty diesel engine, with the following characteristics:

Air cooled.

Cartridge oil filter

External fuel filter

Residential silencer

Exhaust with suitable flexible piping.

Synchronous speed: up to 1500rpm.

Mechanical speed governor

Heavy duty air cartridge filter

Electric starter including batteries, leads and automatic battery charging equipment

Fuel Tank:

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

The tank is provided with suitable piping for connecting it to the engine as well as for filling the tank

Fuel level indicator placed conveniently on the panel board

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

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

Key to start and stop the unit

Emergency stop button

Set-point for speed/governor control

Set-point for voltage control

Warning system for electrical and mechanical alarms

Change over switch with positions for: "MAINS", "OFF", "GENERATOR"

Mounting:

The engine and the alternator is 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

Engine, alternator, fuel tank and panel should be one integrated unit mounted on skids



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