

Product Name :
Complete Diesel Generator Set**Product Code :**
POWER-GEN0005**Description :**

Complete Diesel 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:

40kVA, 32kW, Power factor (Cos. ϕ = 0.8), 400/230V, 3-phase, 50Hz at NTP (Normal Temperature and Pressure)

Engine:

Heavy duty diesel engine, with the following characteristics:

Mechanical speed governor

Heavy duty air cartridge filter

Cartridge oil filter

Industrial silencer

Exhaust with suitable flexible piping

Water-cooled with fresh water loop and tropical radiator

Synchronous speed: Up to 1500rpm

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

Alternator:

Synchronous and brushless

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

CEE Sockets: one 3 pole and one 5 pole

Fuel tank:

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

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

Fuel level indicator should be placed conveniently on the panel board

Panel board:

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

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

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

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



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