

TECHNICAL SPECIFICATION DG SET

ENGINE:

Water Cooled, multi cylinder 4 stroke diesel engine delivering 849 BHP at 1500 rpm, radiator cooled, suitable for Generator set application with standard accessories. Engine performance confirms to ISO3046.

ALTERNATOR:

725 KVA/ 580 KW, 415V, 50 HZ, 4 pole, single bearing suitable for close coupling, three phase star connected, four pole alternator with Class H insulation, three phase sensing, with IP 23 protection and B20 foot mounting with IOC1 cooling. Alternator should be mounted on a common base frame and coupled directly to the Engine. Alternator confirms to IS-4722 or equivalent standard.

BASE FRAME:

A sturdy base frame made out of high quality rolled steel, on which engine and alternator are mounted.

FUEL TANK:

The capacity of the fuel tank is of Approximately 1000 liters. The tank is provided with an intake breather and fill filter. The level of the fuel tank is indicated with a fuel level gauge.

BATTERIES

2NOS. 180 AH batteries mounted on the base frame with a battery rack i/c suitable cables to be supplied with batteries for connecting the batteries with starter.

AVM PADS:

One set of AVM pads should be included and built along with the base frame – Mounts to spring type, suitable for generator set application. These mounts should be placed between the engine – alternator and the base frame.

ACOUSTIC ENCLOSURE:

Suitable acoustic enclosure designed to meet the sound emission requirements to meet the sound emission requirements as per CPCB guidelines.