DIESEL GENERATING SET

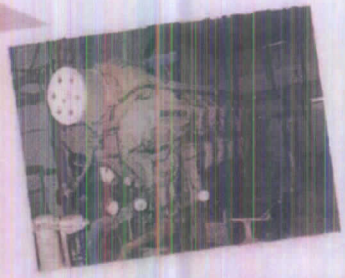
ÐLW manufactures DG sets of 800 KW to 2400 KW capacity, using ÐLW built engines. These DG sets are suitable for standby as well as base load applications and are seismically qualified.

Alternators used are the state-of-the-art brushless type with microprocessor based AVR. Control system is PLC based, with fault diagnostic feature. The alarms and shut downs can be customized as per requirement.

Diesel Engine	Transmission
▪ Engine	▪ ALCO-251
▪ Power Rating	▪ 800 KW, 1500 KW, 1750 KW, 2000 KW, 2200 KW, 2400 KW.
▪ Cylinder arrangement	▪ 45° Vee for 16&12 cyl. & inline for 6 cylinder
▪ Speed of engine	▪ 1000 rpm
▪ Specific fuel consumption	▪ 153 gm/bhp-hr
▪ Cooling arrangement	▪ Radiator/ Heat exchanger
▪ Control system	▪ PLC based
▪ Starting system	▪ Air motor/ DC motor
▪ Time for start	▪ Ready to take load in 10 seconds
▪ Weight of engine	▪ 20.0 t for 16 cylinder 14.6 t for 12 cylinder 11.1 t for 6 cylinder
▪ Dimensions of engine(l x w x h)	▪ 5.3x1.6x2.4 m –16 cylinder 4.3x1.5x2.1 m –12 cylinder 3.6x1.6x2.2 m – 6 cylinder
▪ Periodicity of overhaul of engine	▪ Top end - 10000 hrs Major - 22000 hrs
▪ Weight of DG set (with base frame)	▪ 52 t for 2400 KW 26 t for 800 KW
▪ Dimensions of DG set (with base frame)	▪ 7.3x 2.3x 2.9 m for 2400 KW 6.3x 2.3x 2.9 m for 800 KW

These DG Sets have been supplied and commissioned at NPCIL and working successfully

Presently these DG Sets are being manufactured for the Jamalpur workshop and Non Railway Customer (MAPS) Kalpakkam





DG SET

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