

Industrial Genset sound attenuated

DLWS-15

OUTPUT	1500 rpm/50 Hz	1800 rpm/60 Hz
Continuous	14kVA, 11.2kW	15.3kVA, 12.2kW
Standby	15.4kVA, 12.3kW	16.8kVA, 13.4kW

Generator set consisting of engine and alternator mounted on a fabricated steel profile base, finished with a phosphate coating and top coat.

Alternator directly coupled to the engine flywheel housing to SAE standards. Rotor fixed to the flywheel using steel discs for flexibility. Thus perfect alignment and the absence of vibration are guaranteed. Unit is fixed to the baseframe using anti-vibration pads.

The set is supplied with a **SOUNDPROOFED METAL CANOPY** in all versions. This canopy is covered on the inside with soundproofing material which added to the silencer gives a **noise level of 62 db(A) at 7 mts.**

ENGINE

Type..... 4 stroke diesel with direct injection.
Manufacturer Lombardini
Model..... LDW 1503
N° of cylinders 3
Engine capacity 1551 cc
Bore..... 88 mm
Stroke 85 mm
Compression ratio 22:1
Aspiration Atmospheric
Engine speed..... 1500 rpm
Continuous power..... 17/21 CV DIN Nb 6270
Consumption 100 % load 4.02 / 4.88 ltr/h
Fuel tank capacity..... 25 litres
Approx. runtime w/o refill..... 6.2 / 5.1 hours

Cooling system

Liquid cooled with axial fan
Cooling air flow from fan..... 96 m3/min

Lubrication system

Forced lubrication using rotating pump.Oil filter.
Oil housing capacity 3.8 litres
Consumption 0,024 kg/h

Aspiration system

Natural admission using dry air filter.
Aspirated air flow 2,32 m3/min

Injection system

Direct injection with pump - injector mounted on the head. Diesel fuel filter.

Electric system

12 V electric system. Axial starter motor. 55 A.h battery. Battery charging alternator. Oil pressure gauge and engine temperature thermal contact.

Protection system

Automatic engine shut if oil pressure too low, fuel lacking, temperature too high or battery charge def.

Exhaust system Silencer collector.

ALTERNATOR

Three phase, self-excited, self-ventilated ,self regulated , voltage maintained within +/- 4%. IP 23 protection. Manufactured to CE2-3, IEC 34.1, VDE 0530, BS 4999 and NF 51100.
Radio interference suppression class G VDE 0875.
Manufacturer Mecc Alte
Model ECN 28
Output 16 kVA
Voltage(*)..... 3x380/220 V
Frequency 50/60 Hz
Speed 1500/1800 rpm
Regulation Electronic
Nominal intensity 40.2 A

(*) For other voltages: Consult.

CONTROL PANEL

Metal cabinet with IP 54 protection, mounted on the baseframe with anti-vibration pads with:

- Thermo-magnetic switch.
- Voltmeter
- Connection indicator lamp.
- Ammeter.
- Hour run meter.
- Heater button.
- Frequency meter
- Three phase output terminal.

Control board including: ignition key, Start/ stop buttons, indicator lamps for: low oil pressure, battery charge, high temperature, lack of fuel, overload and start up failure.

DIMENSIONS: L 2025 xW 800xH 1310mm, ca. 510kg