DIESEL GENERATOR

MODEL: **XL-DFAW-44s**



STANDBY RANGE

44kVA / 44kW 230v SINGLE PHASE

Noise Level:
72dB(A) at 7m in free field conditions.

Emissions Class:
Non-emissions certified

Connection Type:
Hard-Wired – optional sockets available

Typical Application:
Standby duty, permanent installation, commercial & private residences

WATER COOLED	1 PHASE	50HZ 230V	DIESEL FUEL

GENERATING SET MODEL

Output rating	Prime	Standby
50HZ 230V, 1500RPM	40kVA	44kVA
	40kW	44kW

ENGINE TECHNICAL DATA

Engine make:	FAWDE
Engine model:	4DX22-65D
Governing type:	ECU / ELEC
Number of cylinders:	4
Cylinders arrangement:	In-line
Bore and stroke:	102 x 118
Displacement:	3.86
Aspiration:	NA
Cycle:	4-Stroke
Compression ratio:	17 : 1
Cooling system:	Water Cooled
Frequency & engine speed:	50HZ & 1500RPM

	Prime	*Standby*
Gross engine power	48kW	-
Fuel consumption @ 100% L/hr	10.5	-
Fuel consumption @ 50% L/hr	-	-

ALTERNATOR DATA

Make:	Depco
Model:	DPC224E
No. of Bearings	1
Insulation Class	H
Ingress protection	IP23
Excitation system	Shunt
Voltage	±1%

DIMENSIONS

Length (mm):	2400
Width (mm):	900
Height (mm):	1150
Weight* Kg:	1020
Fuel tank capacity:	96 Litres

CONTROL PANEL

Make:	Deepsea
Model:	DSE6120

RATINGS DEFINITION

Prime Power
this rating is applicable for supplying continuous power (at variable load average 70%) in lieu of commercially purchased power. A 10% overload is available for 1 hour in any 12-hour continuous operation

Standby Power
this rating is applicable for supplying continuous power (at variable load) in the even of a utility power failure. No overload if permitted.

STANDARD CONDITIONS

The rating and power outputs are at the standard reference conditions of 27C air inlet temperature, barometric pressure 100kpa and relative humidity of 30%.

The unit will operate at much higher temperatures and pressures but a derate will apply.

AVAILABLE OPTIONS

Coolant Heater
to ensure fast start and load acceptance

Battery Charger
to keep the starter battery in a charged condition.

Three Way Valves
Three Way Valves – for easy connection of an external tank.

Control Panel Upgrades
Control Panel Upgrades – BMS monitoring, remote monitoring, synchronizing.

External Tank Option
External Tank Options – any size supplied and installed.

Ultra Low Noise Level Canopies
Ultra Low Noise Level Canopies – special canopy or container options for sensitive applications.

Automatic Transfer Switches
Automatic Transfer Switches – for starting and transferring the load when the mains power is lost.

Alternator Auxiliary Winding (arep)
for motor starting applications.

WARRANTY



This generator is covered under warranty for 12 months or 1000 hours whichever occurs first. Extended warranty may be available – please ask us for more details.

STANDARD SPECIFICATION

Engine
Heavy Duty, four stroke, water cooled diesel engine running at 1500rpm

Fuel System
Engine driven fuel injector pump with full flow filters (water separator optional)

Cooling System
Water cooled with engine driven fan. Fully guarded and designed to cool at high ambient temperatures.

Exhaust System
Heavy duty residential grade silencer installed within the canopy. Lagged to prevent heat pick-up.

Output Circuit Breaker
Delixi Brand output MCCB, fixed type, 3 pole.

Anti-vibration Mount
Engine and alternator are mounted on AVM's to provide damping of vibrations into the ground.

Coupling
The engine and alternator are close-coupled with a SAE semi-flexible flange.

Safety Guards
The cooling fan drive and moving parts are guarded to prevent personal injury.

Fuel Tank
a large capacity fuel tank is included within the base tank with filler cap, breather, fuel feed and drain lines.

Alternator
Single bearing with class H insulation. All windings are impregnated with a triple dip thermosetting liquid polyester varnish or vacuum pressure coated polyester resin.

Automatic Voltage Regulator (AVR)
Fully sealed automatic voltage regulator maintains the voltage regulation at +-1%