



## STANDBY RANGE

### 14kVA / 11kW 240V SINGLE PHASE

#### Noise Level:

67.9dB(A) at 7m in free field conditions.

#### Emissions Class:

Non-Emissions Certified

#### Connection Type:

Hard-Wired

#### Typical Application:

Standby duty, permanent installation, commercial & industrial applications



**WATER  
COOLED**



**3  
PHASE**



**50HZ  
400V**



**DIESEL  
FUEL**

## GENERATOR SET RATING

| Output rating          | Prime | Standby |
|------------------------|-------|---------|
| 50HZ 400/230V, 1500RPM | 14kVA | 15kVA   |
|                        | 11kW  | 12kW    |

## ENGINE TECHNICAL DATA

|                           |                |
|---------------------------|----------------|
| Engine make:              | Perkins        |
| Engine model:             | 403A-15G       |
| Governing type:           | Mechanical     |
| Number of cylinders:      | 3              |
| Cylinders arrangement:    | In-line        |
| Bore and stroke:          | 84 x 90        |
| Displacement:             | 1.5 (L)        |
| Aspiration:               | Naturally      |
| Cycle:                    | 4-Stroke       |
| Compression ratio:        | 22.5:1         |
| Cooling system:           | Water Cooled   |
| Frequency & engine speed: | 50HZ & 1500RPM |

|                              | Prime | Standby |
|------------------------------|-------|---------|
| Gross engine power           | 14kW  | 15kW    |
| Fuel consumption @ 100% L/hr | 3.7   | -       |
| Fuel consumption @ 50% L/hr  |       | -       |

## ALTERNATOR DATA

|                    |          |
|--------------------|----------|
| Make:              | Stamford |
| Model:             | SOL1-P1  |
| No. of Bearings    | 1        |
| Insulation Class   | H        |
| Ingress protection | IP23     |
| Excitation system  | Shunt    |
| Voltage            | ±1%      |

## DIMENSIONS

|                     |           |
|---------------------|-----------|
| Length (mm):        | 1680      |
| Width (mm):         | 758       |
| Height (mm):        | 1235      |
| Weight* Kg:         | 575       |
| Fuel tank capacity: | 65 Litres |

## CONTROL PANEL

|        |         |
|--------|---------|
| Make:  | Deepsea |
| Model: | DSE7120 |

All details subject to change – please confirm before ordering

## 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 is 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%