

## STANDBY RANGE

### 600kVA / 480kW 400V THREE PHASE

**Noise Level:**

68.7dB(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	600kVA	655kVA
	480kW	524kW

### ENGINE TECHNICAL DATA

Engine make:	Perkins
Engine model:	2806A-E18TAGA
Governing type:	Electronic
Number of cylinders:	6
Cylinders arrangement:	In-line
Bore and stroke:	145 x 183
Displacement:	18.1 (L)
Aspiration:	Turbocharged
Cycle:	4-Stroke
Compression ratio:	14.5:1
Cooling system:	Water Cooled
Frequency & engine speed:	50HZ & 1500RPM

	Prime	Standby
Gross engine power	540kW	593kW
Fuel consumption @ 100% L/hr	123	-
Fuel consumption @ 50% L/hr	-	-

### ALTERNATOR DATA

Make:	Stamford
Model:	HCI544E1
No. of Bearings	1
Insulation Class	H
Ingress protection	IP23
Excitation system	Shunt
Voltage	±1%

### DIMENSIONS

Length (mm):	4908
Width (mm):	2164
Height (mm):	2515
Weight* Kg:	6318
Fuel tank capacity:	1300 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 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%