



## STANDBY RANGE

**575kVA / 460kW 400V 3-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**



**3-PHASE**



**50HZ  
400V**



**DIESEL  
FUEL**

### GENERATING SET MODEL

Output rating	Prime	Standby
50HZ 400V, 1500RPM	575kVA	633kVA
	460kW	506kW

### ENGINE TECHNICAL DATA

Engine make:	Cummins
Engine model:	KTAA19G6
Governing type:	Electronic
Number of cylinders:	6
Cylinders arrangement:	In-line
Bore and stroke:	159 x 159
Displacement:	19
Aspiration:	Turbo
Cycle:	4-Stroke
Compression ratio:	13.9 : 1
Cooling system:	Water Cooled
Frequency & engine speed:	50HZ & 1500RPM

	Prime	Standby
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Gross engine power	520kW	-
Fuel consumption @ 100% L/hr	133	-
Fuel consumption @ 50% L/hr	-	-

### ALTERNATOR DATA

Make:	Stamford
Model:	S5L1D-E4
No. of Bearings:	1
Insulation Class:	H
Ingress Protection:	IP23
Excitation System:	Shunt
Voltage:	±1%

### DIMENSIONS

Length (mm):	4800
Width (mm):	1700
Height (mm):	2500
Weight* Kg:	7000
Fuel tank capacity:	8 Hours

### 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 event of a utility power failure. No

## 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 starting battery in 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%