



# Powerzone Technologies Pte Ltd

**Generator sets powered by Perkins engine**

**Prime: 15KVA/12KW  
Standby: 17KVA/14KW**



## POWER THAT NEVER FAILS

Founded in 2009, Powerzone Technologies Pte Ltd specialized in the manufacturing of power generator sets and power plant solutions provider.

Powerzone Technologies is one of the leading power generation solution providers in Singapore, supplying High-Quality generator sets, and spare parts to a wide range of industries worldwide.

Our engines are supplied by the world's largest engine manufacturers, namely Perkins and Cummins as well as Caterpillar, MTU and Mitsubishi.

Designed to provide reliable power even in the most extreme climates and performed above and beyond expectations in ambient testing.

Custom designed and built to reduce service & maintenance costs.

## Technical Data

### Generator Set Model: PZ-15P

Prime power (kVA/kW)	15/12
Standby power (kVA/kW)	17/14
Rated voltage line to line (V)	230/400
Rated current (A)	21.6
Maximum sound level (dBA@7m)	68

### Perkins Engine Model: 403A-15G2

Aspiration	Four-stroke, water-cooled, In line, Natural aspirated
Fuel system	Direct injection
Number of cylinders	3
Displacement (L)	1.496
Bore*Stroke (mm)	84x90
Compression ratio	22.5:1
Rated speed (r/min)	1500
Governor	Mechanical
Engine net weight (kg)	197
Firing order	1-2-3
Start motor (V)	12

### Lubrication System

Oil capacity (L)	6
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### Cooling System

Total coolant capacity (L)	L
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### Standard Features

Perkins engine, radiator 50°C max, cooling fans are driven by fan belt, 12V charge alternator
24V charge alternator, single bearing alternator IP23
Insulation class H/H, standard auto control system
Main line circuit breaker / ACB, base fuel tank, 12V batteries, rac and cable
Exhaust system(Ripple flex exhaust pipe), Exhaust siphon, flange, muffler
User manual, battery charge



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## Options

Water heater, alternator heater, PMG, water oil separator, daily fuel tank, remote control panel,

One set of air filter, fuel filter, oil filter, Automatic Transfer Switch (ATS), switch box

## Alternator

Model	S0L1-P1
Alternator brand	Stamford
Phase	3
Voltage (V)	230/400
Wiring type	12 wires
Bearing	1
Power factor	0.8
Frequency (Hz)	50
Prime power (kVA)	15
Exciter type	Brushless, self-excitation
Voltage regulation (%)	±0.5
Protection grade	IP 23
Insulation grade	Class H

## Controller-Deepsea

- Model
- Comprehensive synchronising & loadsharing
- Built-in governor and AVR control
- Base load (kW export) functionality
- Mains (utility) de-coupling protection
- Generator power (kW, kVA) monitoring
- Overload (kW & kVAR) protection
- Emergency stop, Auto-Main-Failure (AMF)

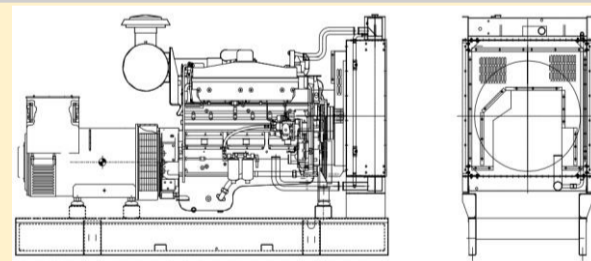
**DSE 6120**



## Generator Set Dimension (Basic unit)

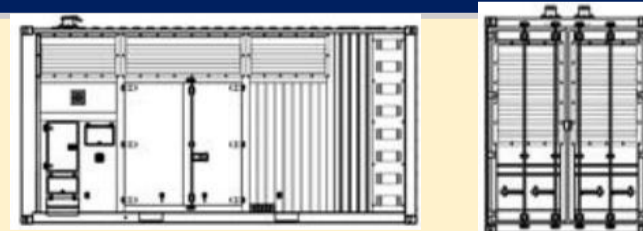
### Open Type

**L\*W\*H (mm) : 1350\*750\*1050  
Weight (kg) : 420**



### Silent Type

**L\*W\*H (mm) : 1900\*850\*1150  
Weight (kg) : 620**



## Warranty

Perkins Engine

**12 months from date of delivery.**

Generator

**12 months from date of delivery.**

**Powerzone Technologies Pte Ltd**

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