

# GENERATORS

## AUSTRALIA



### HG6000SS

*Silent type*

*Powered by Kubota*

*Coupled with Stamford*

*Controlled by DSE6020*

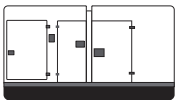
#### In compliance with

- 2006/42/CE Machinery safety.
- 2006/95/EC Low voltage.

#### Running conditions according to ISO3046

1000 mbar, 25°C, 30% relative humidity

## Basic Information



Engine		Kubota Z482
Alternator		Stamford PI042D
Controller		DSE6020
Prime Power	KVA/KW	6/6
Standby Power	KVA/KW	6.6/6.6
Rated Speed	RPM	3000
Rated Frequency	HZ	50
Rated Voltage	V	240
Phase		1
Power Factor		0.8
Governer method		Mechanical
Rated Current	A	25
Fuel Consumption @ 100% Load	L/H	1.4
Dimmension	LxWxH mm	1259*690*821
Fuel Tank Size (75%-24H)	L	24.5
Noise Level @ 7 meters		69

Note:

(1) Prime Power: Prime power is available for an unlimited number of annual operating hours in variable load applications; in accordance with ISO8528-1. A 10% overload capability is available for a period of 1 hour within a 12-hour period of operation, in accordance with ISO3046-1.

(2) Standby Power: Standby power is applicable for supplying emergency power for the duration of a utility power interruption. No overload, utility parallel or negotiated outage operation capability is available at this rating.

(3) The following voltages can be customized on requirement: single phase - 220V/230V/240V; three phase - 380/220V, 400/230V, 415/240V, 440/254V.

(4) Generators Australia reserves the right to modify the specifications without prior notice. All ratings are for guidance only, please refer to the final specific generator information from Generators Australia

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### Specification

Engine Specifications	
Model	Z482-E3B-CHN-1
Manufacturer	Kubota
Number of cylinders	2
Cylinder arrangement	Vertical
Cycle	Four stroke
Induction system	Natural aspirated
Compression ratio	23.5:1
Bore x Stroke	67x68 mm
Displacement L	0.479
Estimated total weight (dry) kg	80
Rated power KW/RPM	8.3/3000
Lubrication oil capacity L	2.5
Fan	Pusher
Silencer type	Industrial
Type of Fuel	No.2-D S500 OR S15
Type of oil	Class CF lubricating oil
Type of coolant	Glycol mixture
Maximum back pressure	9.33 kpa
Intake Resistance	2.45 kpa
Alternator capacity V-A	12 - 40
Starter capacity V-KW	12 -0.8
Governer method	Mechanical
Starting system	Electric
Alternator Specification	
Model	PI042D
Frequency and Speed	50Hz/3000Rpm
Manufacturer	Stamford
Prime capacity(kVA)	8.4
Exciter type	Brushless
Insulation	Class H
Protection	IP23
Rated power factor	0.8
Stator winding	Double layer concentric
Winding pitch	two thirds
Winding leads	4
Maximum over speed	2250Rev/min
THF (Wave Form IEC)	<2%
TIF (Wave Form NEMA)	<50
Voltage regulation	1.00%

### Controller

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## Control Panel: DSE6010/20

### AUTO START AND AUTO MAINS FAILURE CONTROL MODULES

The DSE6010 is an Auto Start Control Module and DSE6020 is an Auto Mains(Utility) Failure Control Module suitable for a wide variety of single, diesel or gas, gen-set applications. Both modules offer electronic (CAN) and non-electronic (magnetic pick-up/alternator sensing) engine versions and offer a number of flexible inputs, outputs and engine protections so the system can be easily adapted to suit a wide range of application demands. The modules can be easily configured using the DSE Configuration Suite PC software. Selected front panel editing is also available.



DSE6010



DSE6020

#### KEY FEATURES

- Back-lit icon LCD display
- Front panel editing
- LED and LCD alarm indication
- Power Save mode
- CAN and Magnetic Pick-up/Alt. versions available (specify on ordering)
- PC and front panel configuration
- 4 Digital inputs
- 3 Analogue inputs
- 6 Outputs (4 configurable on Magnetic Pick-up/Alt., 6 configurable on CAN version)
- Configurable timers and alarms
- Alternative configuration
- Event Log (5)
- Remote Start input
- 3 Phase generator monitoring

- Current monitoring and protection
- Power monitoring (kW, kV A, kV Ar)
- 3 Phase Mains (Utility) monitoring (DSE6020 only)
- Test button (DSE6020 only)
- Battery Voltage monitoring
- Engine pre-heat
- Hours counter
- Comprehensive shutdown or warning on fault condition

#### KEY BENEFITS

- ★ Automatically transfers between mains (utility) and generator power (DSE6020 only)
- Hours counter provides accurate information for monitoring and maintenance periods
- User-friendly set-up and button layout

- Multiple engine parameters are monitored simultaneously
- Module can be configured to suit individual applications
- Compatible with a wide range of CAN engines
- Uses DSE Configuration Suite PC software for simplified configuration
- IP65 rating (with optional gasket) offers increased resistance to water ingress
- Licence-free PC software

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### Configuration

**Standard:** Engine, alternator, cooling system, base frame, shock absorber, air inlet system, control box including mains breakers

**Optional:** Water jacket heater, fuel heater, water level sensor, motor anti-condensation heater, permanent excitation, automatic fueling system, ATS.

**Accessories:** Silencer, bellow, exhaust silencing system accessories (with the matching engine), datas of generator, tools with the matching engine

### Weight and Size

Model	Dimension (L*W*H mm)	Weight(kg)
HG6000SS	1259*690*821	365

