

DCA-100ESI

Prime Power Generator Three Phase

Specifications

Alternator		
Frequency Hz		50
Output Rating (KVA)	Continuous	80
	Standby	88
No. of Phases		3-Phase,4-Wire
Related Voltage V		②Dual Voltage
Power Factor		0.8(Lagging)
Voltage Regulation %		Within ±0.5
Excitation		Brushless,Rotating Exciter (With A.V.R.)
Insulation		Class F
Engine		
Maker & Model		Isuzu DD-6BG1T
Type		Inlined, Direct Injected, Turbocharged
Output Rating	PS/rpm	100/1500
	kW/rpm	73.6/1500
No. of Cylinders-Bore X Stroke mm		6-105×125
Piston Dispalcement L		6.494
Fuel		ASTM No. 2 Diesel Fuel or Equivalent
Fuel Consumption L/h		13.5
Lube Oil Sump Capacity L		22.4
Coolant Capacity L		22
Battery X Quantity		95D31R×2
Fuel tank Capacity L		225
Unit		
Dimension	Length mm	2750
	Width mm	1050
	Height mm	1350
Dry Weight	Kg	1730
Sound Level		
7m dB (A) 1500/1800 rpm (min-1)*3		59

Inquiry	*1 Rated Voltage Classification	
	50Hz	60Hz
⊕	190~220V (380~440V)	200~240V (380~480V)

() indicates options.

*2 Fuel consumption is based on operation at 75% load.
*3 Sound level reflects high-speed no-load operation and is calculated by averaging the measurements at four points, each 7 meters from the source.
*4 Depending on location and area,output voltage may differ from values listed in catalog.

- Continuous output rating applies to operation under standard conditions as per JIS B8014.
- Standby output rating applies to intermittent or emergency operation for approximately 1 hour as per JIS B8014.
- Fuel consumption is based on operation at 75% load
- Sound level reflects high-speed no-load and is calculated by averaging the measurements at four points, each 7 meters from the source.
- Colors of products would be different from printed ones of catalogues.
- Specifications given herein are subject to change without notice



General

The DCA series generators are complete, stand alone generating sets. All models consist of an alternator which is directly coupled to a diesel engine. The alternator and engine are set on a common skid base. Special Vibration isolators are used to minimize vibrations during operation. The generator and electrical components are fully enclosed in a solid steel, weatherproof canopy. Noise suppression is achieved by using highly effective sound insulation materials.

50Hz/60Hz Operation

The DCA series can be operated at either 50Hz or 60Hz by simply adjusting the engine speed using the throttle control knob on the control panel.

Auto Fuel Air Extractor

Air trapped in the fuel system can be troublesome, however, with the DCA series, fuel air extraction is automatically performed by simply operating the starter switch, without the need for tools or devices. There is no soiling of the machines interior or the operator's hands and the outflow of fuel to the machines exterior is prevented. The machine will start after the engine is turned over a few times.

Extremely Quiet Operation

In urban areas and at the worksite, there is an ever increasing demand for reduced noise. The DCA series generators are extremely quiet when operating at full load.

Clean engines

The engines used in these generators meet all Californian Atmospheric Pollution standards, which is one of the world's most stringent antipollution standards. This is achieved by using a PCV purge control valve system. Therefore, these engines do not discharge blow-by gas to the outside, which keeps the interior of the machine cleaner and the exhaust emissions are minimized.