

## DCA-45-ESI

Prime Power Generator Three Phase

### Specifications



#### 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

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.

Alternator		
Frequency		50 Hz
Output Continuous / Standby	Continuous	37 KVA
	Standby	38.9KVA
Rotating Speed		1500RPM
No. of Phases		3-Phase,4-wire
Rated Voltage		50Hz: 190-220 or 380-440
Power Factor		0.8
Voltage Regulation%		Within +1.5
Insulation		Class H
Engine		
Make & Model		IZUZU BB-4JG1T
Type		Inlined,Directinjected,Turbocharged
Output Rating	PS/min-1	46.5/1500 PS/rpm
	KW/min-1	34.2/1500 KW/min-1
No.of Cylinders-Bore X Stroke		4-95.4 x 107 mm
Piston Displacement		3.05
Fuel		Diesel
Fuel Consumption		6.5 L/H
Lube Oil Sump Cap		10
Coolant Capacity		10.9
Battery Capacity(V-Ah)		95D31R×1
Fuel Tank Capacity		100L
Unit		
Dimesions	length	1900
	Width	880
	height	1250
Dry Weight	Kg	916
Sound Level		
7m db (A) 1500/1800 rpm (min-1)		60

*1 Rated Voltage Classification		*4
Frequency	50Hz	60Hz
④	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.