



# REDSTAR™

Passionate about Value

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## Prime Mobile Generator 100

80 (kVA) 50HZ 1500RPM



### SPECIFICATIONS

#### ALTERNATOR

|                   |   |
|-------------------|---|
| Frequency         | 50 (Hz)                                     |
| Output Rating     | Prime 80 (kVA)<br>Standby 88 (kVA)          |
| No. of Phases     | Three Phase, 4 - Wire                       |
| Rated Voltage (V) | 190/240                                     |
| Power Factor      | 0.8   |
| Excitation        | Brushless, Rotating Exciter<br>(With A.V.R) |
| Insulation        | Class F                                     |

#### DIESEL ENGINE

|                        |  |
|------------------------|--|
| Make & Model           | Isuzu DD-6BG1T                           |
| Type                   | Inlined, Direct Inject,<br>Turbo Charged |
| Rated Output           | 73.6/1500 kW/min-1                       |
| No. of Cylinders       | 6  |
| Bores x Strokes        | 105 x 125mm                              |
| Displacement           | 6.494 L                                  |
| Fuel                   | Diesel Fuel                              |
| Fuel Tank Capacity     | 225 L                                    |
| Fuel Consumption       | 13.5 L/h                                 |
| Lube Oil Sump Capacity | 22.4 L                                   |
| Coolant Capacity       | 22 L                                     |
| Battery Capacity       | 95D31Rx2 V-Ah                            |

#### UNIT

|                     |                     |
|---------------------|---------------------|
| Length/width/height | 2750 x 1050x 1350mm |
| Dry Weight (kg)     | 1730                |

#### SOUND LEVEL

|              |      |
|--------------|------|
| 7m @ 1500rpm | 59dB |
|--------------|------|

#### 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 operators 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 worlds 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