



| Genset Specification |           |          |
|----------------------|-----------|----------|
| Prime Power          | 58 KW     | 72.5 KVA |
| Standby Power        | 64 KW     | 80 KVA   |
| Rate Voltage         | 380/220 V |          |
| Power Factor         | 0.8       |          |
| Rate Speed           | 1800 RPM  |          |
| Frequency            | 60 HZ     |          |

| Dimension and Weight |          |
|----------------------|----------|
| Length (L)           | 2350 mm  |
| Width (W)            | 900 mm   |
| Height (H)           | 1120 mm  |
| Fuel Tank            | 95 L     |
| Fuel Consumption     | 17.6 L/h |
| Weight               | 1070 KG  |

### • PRP (Prime Power):

Prime power is defined as being the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load when operated for an unlimited number of hours per year. The permissible average power output during at 24 hours period shall not exceed 70% of the prime power. 10% overload available for governing purposes only.

### • ESP (Standby Power):

Emergency standby power is defined as the maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 200 h of operation per year available. The permissible average power output during at 24 hours period shall not exceed 70% of the ESP.

## POWER GENERATOR

## MODEL DCA-80SPDD-II

### Engine Specification

|                   |              |
|-------------------|--------------|
| Engine Brand      | Diesel       |
| Engine Model      | DSR-38DTD64  |
| No. of cylinders  | 4            |
| Displacement (L)  | 3.76         |
| Governor Type     | Electrical   |
| Compression ratio | 17.5:1       |
| Bore (mm)         | 102          |
| Stroke (mm)       | 115          |
| Cooling method    | Water        |
| Speed (RPM)       | 1800         |
| Aspiration        | Turbocharger |
| Mechanical power  | 64 KWm       |
| Oil specification | CF4          |
| Configuration     | In-Line      |
| Starting method   | DC12V Motor  |

### Generator Specification

|                   |              |
|-------------------|--------------|
| Brand             | Diesel       |
| Model             | DSR-58-3     |
| No. of Bearing    | 1            |
| Wiring            | 12           |
| Insulation Class  | H            |
| Tem. Rise Class   | H            |
| IP rating         | IP23         |
| Power factor      | 0.8          |
| Excitation system | Self-excited |
| Speed (RPM)       | 1800         |
| Voltage regulator | AVR          |

## CONTROL PANEL



- D100 controller
- Volts, current, frequency, rpm (instruments)
- Genset running hours
- Battery voltage and charging
- Over speed pre-alarm & shutdown
- High water temp. pre-alarm & shutdown
- Low oil pressure pre-alarm & shutdown
- Low / high voltage pre-alarm & shutdown Overcurrent pre-alarm & shutdown

## **= STANDARD SPECIFICATION**

- Four stroke heavy duty high performance industrial diesel engine with radiator
- Brushless alternators (Class H, with AVR.)
- Heavy duty rubber anti-vibration mountings
- Starter batteries and connecting cables
- Battery Charger
- Heavy duty industrial silencer
- With air filter, oil filter, fuel filter
- MCB or MCCB type outlet breaker
- Fully welded steel base frame
- DataKom D100 controller
- Factory test certificate
- Operation & Maintenance manual & Electrical wiring diagrams
- Worldwide product /Technical support
- Meet standard BS4999, BS5000, BS5514, IEC60034, VDE0530 AND ISO8528

### **Optional**

- Engine: Jacket water pre-heater
- Alternator: Anti-condensation heater
- Fuel system: Fuel / water separator
- Electrical system: ATS, industrial outlet socket, controlle

### **Warranty**

All of the generating set are under warranty against defects in materials and workmanship for period 1 year or 1000 hours operation time whichever come first from the date of delivery (except the damageable spare parts of genset caused by incorrect man-made operation), and that the aforementioned warranty for the same token is back up by the engine & alternator manufactures and their global distributors.token is back up by the engine & alternator manufactures and their global distributors.