



Genset Specification		
Prime Power	100 KW	125 KVA
Standby Power	110 KW	138 KVA
Rate Voltage	400 / 230 V	
Power Factor	0.8	
Rate Speed	1500 RPM	
Frequency	50 HZ	

Dimension and Weight	
Length (L)	2950 mm
Width (W)	1050 mm
Height (H)	1500 mm
Fuel Tank	238 L
Fuel Consumption	27 L / h
Weight	1442 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-138FGDD

Engine Specification

Engine Brand	Cummins
Engine Model	6BTA5.9-G2
No. of cylinders	6
Displacement (L)	5.9
Governor Type	Electrical
Compression ratio	17.3:1
Bore (mm)	102
Stroke (mm)	120
Cooling method	Water
Speed (RPM)	1500
Aspiration	Turbocharged
Mechanical power	106 KWm
Oil specification	CF4
Configuration	In-Line
Starting method	DC24V Motor

Generator Specification

Brand	Diesel
Model	DSR274E
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)	1500
Voltage regulator	AVR

CONTROL PANEL



- DSE6120 controller
- Volts, current, frequency, rpm (instruments)
- Gen set 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.