



# Generator Technical Data Sheet

MODEL

## CRGD70



*Manufactured in  
South Africa*

### Technical Data

Standby Power (0.8 pf)	kVA	69.3
	kW	55.44
	Amps	100
Prime Power (0.8 pf)	kVA	64
	kW	51.2
	Amps	92
Speed	rpm	1500
Voltage	V	400/230
Frequency	Hz	50

### Maximum Operating Conditions w/o Deration

Ambient Temperature	Celsius	25
Relative Humidity	%	25
Altitude	meters	250

### Performance Standards

25 degrees Celsius, < 250 meters altitude, relative humidity 25%, atmospheric pressure 100 kPa, balanced load, non-distortional.



## Generator Details

### Performance Ratings

#### \* Standby Power (ESP)

This rating is applicable for supplying emergency power for the duration of a MAINS utility power interruption. No overload is available for this rating.

#### \* Base Load Power (BLP)

Please contact the manufacturer for ratings applicable to base load applications.

#### \* Prime Power (PRP)

This rating is applicable for continuous operation for an unlimited number of hours in a variable load application. A 10% overload capability is available for a period of 1 hour within a 12 hour period of operation.

### Engine

- \* Perkins diesel water-cooled
- \* Naturally aspirated
- \* Reliable 1000 Series engine
- \* Direct fuel injection system
- \* Mechanical governor



### Alternator

- \* Mecc Alte
- \* Brushless, AVR regulated
- \* High reliability
- \* Smooth output performance
- \* Class H insulation



### Base Frame

- \* Heavy duty with integrated long range diesel fuel tank
- \* With maintenance free battery
- \* Heavy duty engine/alternator AV isolator mounts
- \* With rigging eyelet points on each corner of base
- \* Skid type construction



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## Generator Details

Engine Make	Perkins
Country Of Origin	United Kingdom
Engine Model	1104A-44TG1
Standby Power (kWm)	64
Prime Power (kWm)	58
Cylinders	4 in line
Displacement (cc)	4400
Speed (rpm)	1500
Aspiration	Turbo Charged
Cooling	Water-cooled
Oil Capacity (liters)	8
Governor	Mechanical

Standby Power (ESP)		
Voltage (V)	Current (A)	Power (kVA/kW)
380	---	---
400	100	69.3 / 55.4
415	---	---
<b>Ratings @ 1500 RPM, 50Hz, 0.8 pf.</b>		

Prime Power (PRP)		
Voltage (V)	Current (A)	Power (kVA/kW)
380	---	---
400	92	64 / 51.2
415	---	---
<b>Ratings @ 1500 RPM, 50Hz, 0.8 pf.</b>		

Alternator Make	Mecc Alte
Country Of Origin	Italy
Alternator Model	ECP32-2M/4
Alternator Type	Brushless
Phases	3 + N
Voltage (V)	400/230
Voltage Accuracy	< 1%
Frequency (Hz)	50
Speed (rpm)	1500
Protection Class	IP23
Insulation Class	H
Short Circuit Current	> 300% in
AVR Type	Analogic

Fuel System	
Fuel Type	Diesel (50 ppm)
Fuel Tank Capacity (liters)	440
Fuel Consumption (l/hour)	9.7 @ 50% load
Fuel Consumption (l/hour)	18.7 @ 100% load
<b>These are factory tested fuel consumption figures.</b>	

Dimensions & Weight	
Length (open / closed) (cm)	230 / 260
Width (open / closed) (cm)	110 / 110
Height (open / closed) (cm)	180 / 210
Dry Weight (open / closed) (kg)	1100 / 1373
<b>Use dimensions and weights as a guideline only.</b>	

Base Frame Make	Predator
Country Of Origin	South Africa
Composition	Mild steel
Integrated Diesel Fuel Tank	Yes
Battery	1150 Maintenance Free
Battery Rating (Ah)	102
Isolators	Rubber AV mounts



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## Optional Control Systems & Canopy



### Manual Start Panel

- \* Manufactured in South Africa
- \* Tecno Elettra TE809G digital control module
- \* LCD readout screen for genset performance data
- \* Alarm warnings and shutdown protection systems
- \* CAN electronic engine communication compatibility
- \* Full monitoring of engine, alternator and control panel
- \* Emergency stop
- \* 3-Pole circuit breaker protection

### Automated AMF + ATS Panel

- \* Manufactured in South Africa
- \* Tecno Elettra TE809A digital control module
- \* LCD readout screen for genset performance data
- \* Alarm warnings and shutdown protection systems
- \* CAN electronic engine communication compatibility
- \* Full monitoring of engine, alternator and control panel
- \* Emergency stop
- \* 4-Pole circuit breaker protection
- \* Electrically and mechanically interlocked changeovers



### Sound & Weather Canopy

- \* Corrosion resistant 3CR12 stainless steel
- \* Provides protection against weather elements
- \* Provides sound attenuation assistance
- \* Modular bolt on design
- \* With lockable service access doors
- \* Suitable for exterior placement applications

### Manufacturers Details



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