

# **Generator Technical Data Sheet**

MODEL

# CRGD150





Manufactured in South Africa

#### **Technical Data**

Standby Power	kVA	150
(0.8 pf)	kW	120
	Amps	216
Prime Power	kVA	130
(0.8 pf)	kW	104
	Amps	187
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.







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### **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.

#### 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

#### \* 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.







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### **Generator Details**

Engine Make		Perkins
Country Of Origin		United Kingdom
Engine Model		1106A-70TG1
Standby Power	(kWm)	136
Prime Power	(kWm)	123
Cylinders		6 in line
Displacement	(cc)	7010
Speed	(rpm)	1500
Aspiration		Turbo Charged
Cooling		Water-cooled
Oil Capacity	(liters)	18
Governor		Mechanical

Alternator Make	Mecc Alte
Country Of Origin	Italy
Alternator Model	ECP34-2L/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	н
Short Circuit Current	> 300% in
AVR Type	Analogic

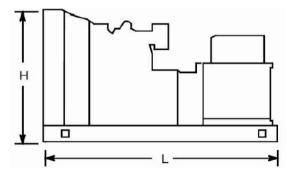
Base Frame Make	Predator
Country Of Origin	South Africa
Composition	Mild steel
Integrated Diesel Fuel Tank	Yes
Battery	1150 Maintenance Free
Battery Rating (Ah)	102
Isolators	Rubber AV mounts

Standby Power (ESP)			
Voltage (V)	Current (A)	Power (kVA/kW)	
380			
400	216	150 / 120	
415			
Ratings @ 1500 RPM, 50Hz, 0.8 pf.			

Prime Power (PRP)		
Voltage (V)	Current (A)	Power (kVA/kW)
380		
400	187	130 / 104
415		
Ratings @ 1500 RPM, 50Hz, 0.8 pf.		

Fuel System		
Fuel Type		Diesel (50 ppm)
Fuel Tank Capacity	(liters)	600
Fuel Consumption	(l/hour)	15.9 @ 50% load
Fuel Consumption (I/hour) 30.2 @ 100% load		
These are factory tested fuel consumption figures.		

Dimensions & Weight			
Length (open / closed)	(cm)	300 / 330	
Width (open / closed)	(cm)	125 / 125	
Height (open / closed)	(cm)	210 / 235	
Dry Weight (open / closed)	(kg)	1676 / 1962	
Use dimensions and weights as a guideline only.			



### **Technical Data Sheet**

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### **Optional Control Systems & Canopy**



#### **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



#### **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



#### 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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