



Generator Technical Data Sheet

MODEL

CRGD15



*Manufactured in
South Africa*

Technical Data

Standby Power (0.8 pf)	kVA	14.9
	kW	11.9
	Amps	65
Prime Power (0.8 pf)	kVA	13.5
	kW	10.8
	Amps	59
Speed	rpm	1500
Voltage	V	400
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)

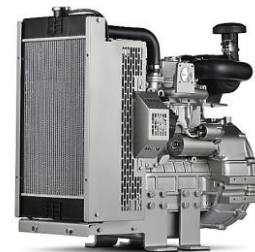
Please contact the manufacturer for ratings applicable to base load applications.

* 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 400 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



Generator Details

Engine Make	Perkins
Country Of Origin	United Kingdom
Engine Model	403A-15G
Standby Power (kW)	13.5
Prime Power (kW)	12.2
Cylinders	3 in line
Displacement (cc)	1496
Speed (rpm)	1500
Bore & Stroke (mm)	84 x 90
Aspiration	Natural
Cooling	Water-cooled
Oil Capacity (liters)	6
Governor	Mechanical

Alternator Make	Mecc Alte
Country Of Origin	Italy
Alternator Model	ECP28-OS/4
Alternator Type	Brushless
Phases	1
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

Base Frame Make	Predator
Country Of Origin	South Africa
Composition	Mild steel
Integrated Diesel Fuel Tank	Yes
Battery	NS-70 Maintenance Free
Battery Rating (Ah)	65
Isolators	Rubber AV mounts

Standby Power (ESP)		
Voltage (V)	Current (A)	Power (kVA/kW)
220	---	---
230	65	15 / 15
240	---	---
Ratings @ 1500 RPM, 50Hz, 1 pf.		

Prime Power (PRP)		
Voltage (V)	Current (A)	Power (kVA/kW)
220	---	---
230	56	13 / 13
240	---	---
Ratings @ 1500 RPM, 50Hz, 1 pf.		

Fuel System	
Fuel Type	Diesel (50 ppm)
Fuel Tank Capacity (liters)	200
Fuel Consumption (l/hour)	1.7 @ 50% load
Fuel Consumption (l/hour)	3.0 @ 100% load
These are factory tested fuel consumption figures.	

Dimensions & Weight	
Length (open / closed) (cm)	180 / 210
Width (open / closed) (cm)	90 / 90
Height (open / closed) (cm)	150 / 190
Dry Weight (open / closed) (kg)	543 / 748
Use dimensions and weights as a guideline only.	



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
- * 2-Pole circuit breaker protection

Automated AT3809A-3-ZA Control Panel

- * Manufactured in Italy
- * Tecno Elettra TE809A digital control module (Italy)
- * LCD readout screen for genset performance data
- * Alarm warnings and shutdown protection systems
- * Full monitoring of engine, alternator and control panel
- * Emergency stop
- * 2-Pole Mains Isolator
- * 2-Pole Generator Isolator
- * Electrically and mechanically interlocked changeovers

AT3809



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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