



Generator Technical Data Sheet

MODEL

CRG20-3



Technical Data

Prime Power	kVA	18
	kW	16.2
	Amps	25
Speed	rpm	3000
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.

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CRG20-3

Generator Details

Engine



- * Briggs & Stratton, petrol, 4-stroke, air-cooled, naturally aspirated
- * Made in America
- * Twin barrel carburetor
- * Low fuel consumption
- * Low noise emission level



Alternator



- * Linz Electric, brushed, AVR
- * Made in Italy
- * Compact frame design
- * High reliability
- * Smooth output performance
- * Class H insulation



Base Frame

- * Heavy duty with integrated long range fuel tank
- * With maintenance free battery
- * Heavy duty engine/alternator AV isolator mounts

STANDARD Electric Key Start



- * Engine mounted electric key start
- * Manual choke
- * Low oil pressure switch
- * Circuit breaker protection

OPTIONAL Automated AMF + ATS Panel



- * Tecno Elettra TE809A digital control module
- * Alarm warnings and shutdown protection systems
- * Emergency stop
- * 4-Pole circuit breaker protection
- * Electrically and mechanically interlocked changeovers

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CRG20-3

Generator Details

Engine Make	Briggs & Stratton
Country Of Origin	America
Engine Model	543477
Standby Power (kW)	23.1
Prime Power (kW)	20.8
Cylinders	2 in V formation
Displacement (cc)	895
Speed (rpm)	3000
Bore & Stroke (mm)	85.5 x 78
Aspiration	Natural
Cooling	Air-cooled
Oil Capacity (liters)	2.3
Governor	Mechanical

Alternator Make	Linz
Country Of Origin	Italy
Alternator Model	E1E
Alternator Type	Brush
Phases	1
Voltage (V)	400
Voltage Accuracy	+/- 5%
Frequency (Hz)	50
Speed (rpm)	3000
Protection Class	IP23
Insulation Class	H
Short Circuit Current	> 300% in
AVR Type	Compound

Prime Power (PRP)		
Voltage (V)	Current (A)	Power (kVA/kW)
380	---	---
400	25	18 / 16.2
415	---	---
Ratings @ 3000 RPM, 50Hz, 0.9 pf.		

Fuel System	
Fuel Type	Petrol (unleaded)
Fuel Tank Capacity (liters)	50
Fuel Consumption (l/hour)	3,5 @ 50% load
Fuel Consumption (l/hour)	5,5 @ 100% load
These are factory tested fuel consumption figures.	

Dimensions & Weight	
Length (open) (cm)	110
Width (open) (cm)	65
Height (open) (cm)	82
Dry Weight (open) (kg)	170

Base Frame Make	Predator
Country Of Origin	South Africa
Composition	Mild steel
Integrated Fuel Tank	Yes
Battery	NS40 Maintenance Free
Battery Rating (Ah)	35
Isolators	Rubber AV mounts

Manufacturers Details



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