

DACAGREEN POWER SYSTEMS

Bio Diesel Generators . . .

to Power your World



*Picture for illustrative purposes only

DESIGN SPECIFICATIONS

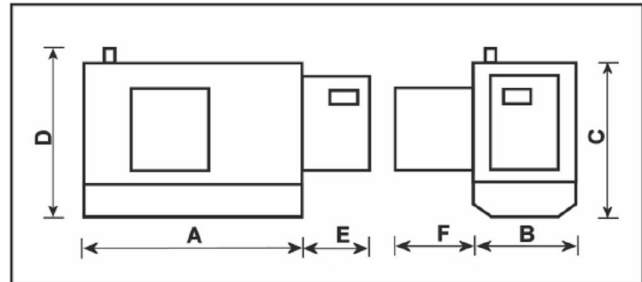
- ✓ High quality, reliable and complete power unit
- ✓ Compact design
- ✓ Easy start and maintenance
- ✓ Fully tested for load, controls and safety shutdown functions
- ✓ Warranted for B100 Bio Diesel at EN14214 Standard
- ✓ List of Optional Extras

60 Hz	Generating Set Model		DG-85
Power Factor 0.8	Prime	kVA	97.5
		kW	78
	Standby	kVA	106.2
		kW	85

Prime: Continuous running at variable load for unlimited periods with 10% overload available for 1 hour in any 12 hour period. In accordance with ISO 8528, ISO 3046.
Standby: Continuous running at variable load for duration of an emergency. No overload is permitted on these ratings. In accordance with ISO 3046, BS 5514.

TECHNICAL DATA*			
Engine Model	Sisu Diesel 420 DSRAG	Alternator	Newage Stamford
Number of Cylinders	4 in-line	Heat Rejection to Exhaust (Max)	81.0 kW
Cubic Capacity	4.40 litre	Heat Rejection to Cooling System (Max)	55.0 kW
Aspiration	Turbocharged	Exhaust Temperature (Max)	505 deg C
Engine Speed (RPM)	1800 rpm	Combustion Air Flow (Max)	7.2 cu m / min
Frequency	60 Hz	Fuel Tank Capacity	220 litre
Amperage	147 amp per phase	Fuel Consumption at Full Prime Rating	24.1 litre per hour

DIMENSIONS*	
Length (A)	2,660 mm
Width (B)	1,100 mm
Height (C)	1,593 mm
Total Height of exhaust rain cap (D)	1,695 mm
Max Horizontal projection of open door (E)	750 mm
Max total height of open door (F)	1,085 mm
WEIGHT*	
Wet (with lube oil and coolant)	1,866 kg



SOUND LEVELS*			
Load	15m	7m	1m
100%	69 dB(A)	75 dB(A)	84 dB(A)
75%	68 dB(A)	73 dB(A)	83 dB(A)

FEATURES*	Manual Start, Main Power Set		Automatic Start, Standby Set	
	Standard	Optional	Standard	Optional
Sound Attenuated, Weatherproof Canopy	✓		✓	
Base Fuel Tank	✓		✓	
Bunded Base Fuel Tank		✓		✓
Oil, Fuel & Air Filters	✓		✓	
Coolant Water Heater			✓	
Lube Oil Pump / Drain	✓		✓	
Vibration isolated Control Panel	✓		✓	
Manual Control Panel	✓			
Auto Start Control Panel			✓	
Integral 5A Battery Charger			✓	
Automatic Transfer Panel				✓
12 Months International Warranty	✓		✓	
Output Circuit Breaker	✓		✓	
CE Certification	✓		✓	
Tool Kit		✓		✓

* Specifications subject to change without notice

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