

# kWiet Power Generator Specifications

## DGK70B

### GENERATOR

Generator type	Revolving Field Brushless AC
Continuous output, 60/50Hz, 3 phase	56kW (70kVA) / 46.6kW (58.3kVA)
Continuous output, 1 phase	42kW (42kVA)
Standby output, 3 phase	61.6kW (77kVA)
Voltage, 3 phase (switchable)	208, 220, 240, 416, 440, 480V
Voltage, 1 phase (switchable)	120, 127, 139, 240, 254, 277V
Amps, 1 phase, 120V	155A (4-wire), 168A x 2 (zig-zag)
Amps, 1 phase, 240V	77A (4-wire), 168A (zig-zag)
Amps, 3 phase, 240V	168A
Amps, 3 phase, 480V	84A
Rated Frequency / Regulation	60Hz* and 50Hz / $\pm 3$ to 5%
Voltage regulation, 3 phase	$\pm 1.0\%$
Voltage regulation, 1 phase	$\pm 2.5\%$
Winding	3-phase, 4-wire Star w/neutral/zig-zag
Power factor / Insulation	0.8 / Class H
Excitation / Number of poles	Static (brushless) / 4 poles
Sound level, no load at 23 feet	62 dB(A)
Sound level, full load at 23 feet	65 dB(A)

### DIESEL ENGINE

Make, model and type	Isuzu 4BG1T, 4 cylinder
Emission certification	EPA Off-road Tier 2
Design features	Direct injection, Turbocharged
Displacement	264 cu. in. (4.329 L)
Bore x stroke	4.1 x 4.9 in. (105 x 125mm)
Continuous rated output	82 hp @ 1800 rpm (60Hz)
Starting system	Electric 12V DC
Internal fuel capacity/fuel type	33 gallons (125L)/ASTM No. 2 diesel
Fuel consumption, full load	4.4 gal./hr (16.6L/hr)
Fuel consumption, 3/4 load	3.3 gal./hr (12.6L/hr)
Fuel consumption, 1/2 load	2.4 gal./hr (9.0L/hr)
Fuel consumption, 1/4 load	1.5 gal./hr (5.7L/hr)
Total coolant capacity	4.5 gallons (17.0L)
Total oil capacity / oil class	3.8 gal. (14.2L) / CD class or higher

**Standard meters and controls**—Voltage, frequency, amperage and hour meters; automatic voltage regulator; oil pressure and water temperature gauges; battery charge warning indicator.

**Available options**—Electronic governors, electronic auto-start modules, battery chargers and block heaters. Plus a variety of trailers, fuel tanks and trailer accessories.

\* US emission certified at 60Hz only.

Specifications are subject to change without notice.



### Design simplicity. Uncompromising engineering. Manufacturing excellence.

- Powered by a rugged, fuel-efficient Isuzu engine. Meets current EPA emission standards.
- Exceptionally quiet thanks to advanced sound absorbing technology.
- Connects easily and is simple to operate.
- Provides both single and three phase output.
- Single phase 120V output available in all voltage settings.
- Voltage selector permits matching output to the load. Lockable switch protects against improper voltage change.
- Low oil pressure and high coolant temperature result in automatic shutdown.
- Thermal relay opens main circuit breaker to protect generator in case of overload.
- Durable all weather enclosure with powder coat paint and stainless steel fasteners throughout provide protection against corrosion.
- Two-way tank valve for easy connection with auxiliary tanks.

