

# kWiet Power Generator Specifications

## DGK100D

GENERATOR	
Generator type	Revolving Field Brushless AC
Continuous output, 60/50Hz, 3 phase	80kW (100kVA) / 66.6kW (83.3kVA)
Continuous output, 1 phase	58kW (58kVA)
Standby output, 3 phase	88kW (110kVA)
Voltage, 3 phase (switchable)	208, 220, 240, 416, 440, 480V
Voltage, 1 phase (switchable)	120, 127, 139, 240, 254, 277V
Amps, 1 phase, 120V	214A (4-wire), 242A x 2 (zig-zag)
Amps, 1 phase, 240V	120A (4-wire), 242A (zig-zag)
Amps, 3 phase, 240V	241A
Amps, 3 phase, 480V	120A
Rated frequency / Regulation	60Hz* and 50Hz / ± less than 5%
Voltage regulation, 3 phase	±1%
Voltage regulation, 1 phase	±5%
Winding	3 phase, 4 wire Star with neutral/zig-zag
Power factor / Insulation	0.8 / Class F
Excitation / Number of poles	Self excitation (brushless) / 4 poles
Sound level, no load at 23 feet	57 dB(A)
Sound level, full load at 23 feet	60 dB(A)

DIESEL ENGINE	
Make, model and type	Isuzu 4HK1, 4 cylinder
Emission certification	EPA Off-road Tier 3
Design features	Direct injection, Turbocharged, Intercooler
Displacement	317 cu. in. (5.193L)
Bore x stroke	6.1 x 4.9 in. (155 x 125mm)
Continuous rated output	153 hp (114.7kW) @ 1800 rpm (60Hz)
Starting system	Electric 12V DC
Internal fuel capacity/fuel type	58.6 gallons (222L)/ASTM No. 2 diesel
Fuel consumption, full load	6.1 gal./hr (23.12L/hr)
Fuel consumption, 3/4 load	4.8 gal./hr (18.18L/hr)
Fuel consumption, 1/2 load	3.4 gal./hr (12.85L/hr)
Fuel consumption, 1/4 load	2.1 gal./hr (7.99L/hr)
Total coolant capacity	6.1 gallons (23L)
Total oil capacity / oil class	5.8 gal. (22L) / CD class or higher

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

**Available options**— 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 EPA Tier 3 engine.
- Exceptionally quiet as a result of advanced sound absorbing technology.
- Thanks to its compact design, the DGK100D is only 102 inches long, making it the only 80kW generator that fits crosswise on a highway legal trailer.
- Single side servicing permits the unit to be mounted closer to a wall or truck cab.
- 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, high coolant temperature, and overspeed 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.

