

# kWiet Power Generator Specifications

## DGK45C – Ultra Quiet

GENERATOR	
Generator type	Revolving Field Brushless AC
Continuous output, 60/50Hz, 3 phase	36kW (45kVA) / 30kW (37.5kVA)
Continuous output, 1 phase	27kW (27kVA)
Standby output, 3 phase	39.6kW (49.5kVA)
Voltage, 3 phase (switchable)	208, 220, 240, 416, 440, 480V
Voltage, 1 phase (switchable)	120, 127, 139, 240, 254, 277V
Amps, 1 phase, 120V	100A (4-wire), 112A x 2 (zig-zag)
Amps, 1 phase, 240V	50A (4-wire), 112A (zig-zag)
Amps, 3 phase, 240V	108A
Amps, 3 phase, 480V	54A
Frequency – regulation	60/50Hz – ±3 to 5%
Voltage regulation, 3 phase	±1.0%
Voltage regulation, 1 phase	±2.5%
Rated speed, 60/50Hz*	1800 / 1500 rpm
Winding	3-phase, 4-wire Star w/neutral/zig-zag
Power factor / Insulation class	0.8 / F-class insulation
Excitation / Number of poles	Static (brushless) / 4 poles
Sound level, no load at 23 feet	53 dB(A)
Sound level, full load at 23 feet	56 dB(A)

DIESEL ENGINE	
Make, model and type	IIsuzu 4JG1T, 4 cylinder
Emission certification	EPA Off-road Tier II
Design features	Direct injection, Turbocharged
Displacement	187 cu. in. (3.059 L)
Bore x stroke	3.8 x 4.21 in. (95.4 x 107mm)
Continuous rated output	57 hp @ 1800 rpm
Starting system	Electric 12V DC
Internal fuel capacity	32.8 gallons (124L)
Fuel consumption, full load	2.8 gal./hr (10.4L/hr)
Fuel consumption, 3/4 load	2.1 gal./hr (7.8L/hr)
Fuel consumption, 1/2 load	1.5 gal./hr (5.6L/hr)
Fuel consumption, 1/4 load	0.9 gal./hr (3.6L/hr)
Total coolant capacity	3.4 gallons (13.0L)
Total oil capacity / oil class	2.6 gal. (10L) / CC class or higher

**Meters and controls**—Voltage, frequency, amperage and hour meter; automatic voltage regulator; oil pressure and water temperature gauge; battery charge warning indicator.

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

\* US emission certified at 1800 rpm 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.
- Lightweight and compact; fit into tight spaces.
- 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 shut-down.
- Thermal relay opens main circuit breaker to protect generator in case of overheat.
- Durable all-weather out enclosure with powder coat paint and stainless steel fasteners throughout provide protection against corrosion.
- Two-way tank valve for easy connection with auxiliary tanks.

