

kWiet Power Generator Specifications

DGK45C

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
Rated frequency / Regulation	60Hz* and 50Hz / ±3 to 5%
Voltage regulation, 3 phase	±1.0%
Voltage regulation, 1 phase	±2.5%
Winding	3-phase, 4-wire Star w/neutral/zig-zag
Power factor / Insulation	0.8 / Class F
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	Isuzu 4JG1T, 4 cylinder
Emission certification	EPA Off-road Tier 2
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 (60Hz)
Starting system	Electric 12V DC
Internal fuel capacity/fuel type	32.8 gallons (124L)/ASTM No. 2 diesel
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) / 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.
- Lightweight and compact; fits 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 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.

