

kWiet Power Generator Specifications

DGK100B

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	222A (4-wire), 241A x 2 (zig-zag))
Amps, 1 phase, 240V	111A (4-wire), 241A (zig-zag)
Amps, 3 phase, 240V	240A
Amps, 3 phase, 480V	120A
Rated frequency / Regulation	60* and 50Hz / ± 3 to 5%
Voltage regulation, 3 phase	$\pm 1.5\%$
Voltage regulation, 1 phase	$\pm 2.5\%$
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	64 dB(A)
Sound level, full load at 23 feet	67 dB(A)

DIESEL ENGINE

Make, model and type	Isuzu 6BG1TC, 6 cylinder
Emission certification	EPA Off-road Tier II
Design features	Direct injection, Turbocharged, Intercooler
Displacement	396 cu. in. (6.494L)
Bore x stroke	4.1 x 4.9 in. (105 x 125mm)
Continuous rated output	150.2 hp @ 1800 rpm
Starting system	Electric 24V DC
Internal fuel capacity	57.9 gallons (219L)
Fuel consumption, full load	6.4 gal./hr (24.22L/hr)
Fuel consumption, 3/4 load	4.8 gal./hr (18.16L/hr)
Fuel consumption, 1/2 load	3.6 gal./hr (13.62L/hr)
Fuel consumption, 1/4 load	2.5 gal./hr (9.46L/hr)
Total coolant capacity	5.6 gallons (21.3L)
Total oil capacity / oil class	5.3 gal. (20L) / 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 overheat.
- 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.

