

kWiet Power Generator Specifications

DGK150D

GENERATOR

Generator type	Revolving Field Brushless AC
Continuous output, 60/50Hz, 3 phase	120kW (150kVA) / 100kW (125kVA)
Continuous output, 1 phase	90kW (90kVA)
Standby output, 3 phase	132kW (165kVA)
Voltage, 3 phase (switchable)	208, 220, 240, 416, 440, 480V
Voltage, 1 phase (switchable)	120, 127, 139, 240, 254, 277V
Amps, 1 phase, 120V	333A (4 wire), 361A x 2 (zig-zag)
Amps, 1 phase, 240V	166A (4 wire), 361A (zig-zag)
Amps, 3 phase, 240V	361A
Amps, 3 phase, 480V	180A
Rated frequency / Regulation	60Hz* and 50Hz / $\pm 0.25\%$
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 F
Excitation / Number of poles	Static (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 6HK1TC, 6 cylinder
Emission certification	EPA Off-road Tier 3
Design features	Direct injection, Turbocharged, Intercooler
Displacement	475.4 cu. in. (7.790L)
Bore x stroke	4.5 x 4.9 in. (115 x 125mm)
Continuous rated output	190 hp @ 1800 rpm (60Hz)
Starting system	Electric 24V DC
Internal fuel capacity/fuel type	74 gallons (280L)/ASTM No. 2 diesel
Fuel consumption, full load	8.5 gal./hr (32L/hr)
Fuel consumption, 3/4 load	6.6 gal./hr (25L/hr)
Fuel consumption, 1/2 load	4.5 gal./hr (17L/hr)
Fuel consumption, 1/4 load	2.6 gal./hr (10L/hr)
Total coolant capacity	6.2 gallons (23.8L)
Total oil capacity / oil class	9.9 gal. (38L) / CD class or higher

Standard meters and controls—Electronic governor, voltage, frequency, amperage and hour meters; automatic voltage regulator; oil pressure and water temperature gauge; 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.
- 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 enclosure with powder coat paint and stainless steel fasteners throughout provide protection against corrosion.
- Two-way tank valve for easy connection with auxiliary tanks.

