

Introducing the quietest and cleanest mobile 120kW generator available.



DGK150D Ultra Quiet
150kVA/120kW 3-phase
90kW single-phase

The 150kVA kWiet Power generator combines design simplicity with the highest standards of engineering and manufacturing excellence.



Powered by Isuzu.

FEATURES

- Rugged, fuel-efficient Isuzu diesel engine.
- Ultra quiet thanks to advanced sound-absorbing technology.
- Electronic governor provides $\pm 0.25\%$ frequency control.
- Engine meets EPA Tier III emission standards.
- Provides both single- and three-phase output.
- Single-phase 120V output available **in all voltage settings.**
- Voltage selector switch permits matching output to the load. Lockable switch protects against improper voltage change.
- Low oil pressure, high coolant temperature and overspeed result in automatic shut-downs.
- 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.

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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
Frequency – regulation	60/50Hz – ±0.25%
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 with 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	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 III
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
Starting system	Electric 24V DC
Internal fuel capacity	74 gallons (280L)
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 or higher

PHYSICAL CHARACTERISTICS

Dimensions (L x W x H)	136" x 49" x 73" (3450 x 1240 x 1850mm)
Unit dry weight	6504 lbs (2900kg)
Meters and controls	Voltage, frequency, amperage and hour meters; automatic voltage regulator; oil pressure and water temperature gauges; battery charge warning indicator.

AVAILABLE OPTIONS

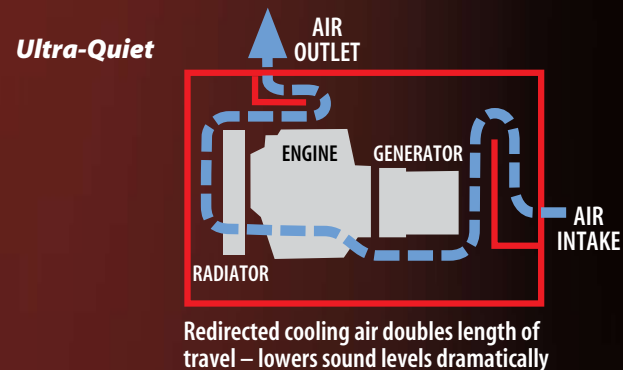
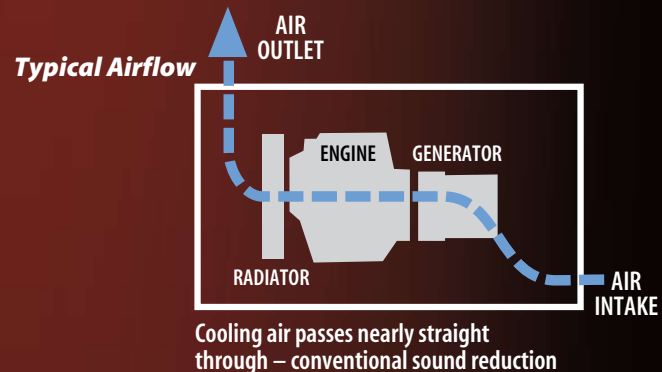
Electronic auto-start modules, battery chargers and block heaters.
Plus a variety of trailers, fuel tanks and trailer accessories.

Shindaiwa reduces sound levels while keeping generators cost-competitive.

Ultra-Quiet is a unique technology that significantly reduces generator sound levels.

- Shindaiwa uses air dams and insulated panels to re-direct cooling air, doubling length-of-travel to minimize airflow noise.
- The generator enclosure features heavy gauge panels—with special attention to door panels—and engineered sound-absorbing foam. The result is lower sound levels as well as increased unit rigidity.
- Specially tuned muffler and a longer exhaust pipe achieve improved balance of high and low noise frequencies.

As an example, thanks to Ultra-Quiet technology, the DGK150D produces only 60dBA at full load at 23 feet. That's about the level of sound produced by casual conversation!



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For more information on kWiet Power products, visit www.kwietpower.com
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