

## Introducing the quietest, cleanest and most lightweight mobile 120kW generator.



**DGK150 Ultra Quiet**  
150kVA/132kW 3-phase  
90kW single-phase

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

**ISUZU**  
DIESEL

Powered by Isuzu.

### FEATURES

- Rugged, fuel-efficient Isuzu diesel engine.
- Ultra quiet thanks to advanced sound-absorbing technology.
- Surprisingly lightweight and compact to fit into tight spaces.
- 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 and high coolant temperature result in automatic shut-downs.
- Overload protection switch shuts the unit down in the event of load problems.
- 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.

**shindaiwa**  
Construction Products

# DGK150 Specifications



## 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	7.790L (475.4 cu.in.)
Bore x stroke	115 x 125mm (4.5 x 4.9 in.)
Continuous rated output	190 hp @ 1800 rpm
Starting system	Electric 24V DC
Internal fuel capacity	280L (74 gallons)
Fuel consumption, full load	32L/hr (8.5 gal./hr)
Fuel consumption, 3/4 load	25L/hr (6.6 gal./hr)
Fuel consumption, 1/2 load	17L/hr (4.5 gal./hr)
Fuel consumption, 1/4 load	10L/hr (2.6 gal./hr)
Total coolant capacity	23.8L (6.2 gallons)
Total oil capacity / oil class	38L (9.9 gal.) / CD or higher

## PHYSICAL CHARACTERISTICS

Dimensions (L x W x H)	3450 x 1240 x 1850mm (136" x 49" x 73")
Unit dry weight	2900kg (6393 lbs)
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.

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For more information on kWiet Power products, visit [www.kwietpower.com](http://www.kwietpower.com)  
Manufactured by Shindaiwa Corporation, Hiroshima, Japan

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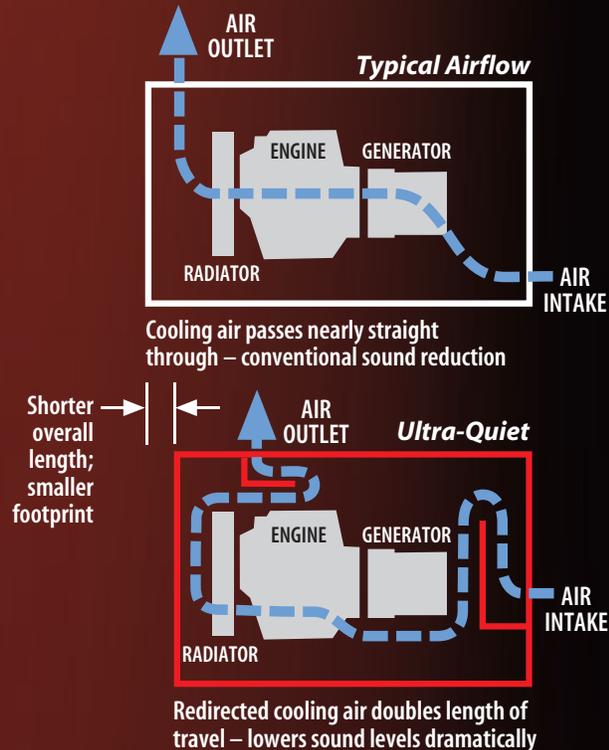
## Shindaiwa reduces sound levels while keeping generators cost-competitive.

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



- Instead of building a larger enclosure to absorb sound, 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.
- A specially tuned muffler and longer tailpipe delivers a better balance between high and low frequency noise for reduced overall noise.

As an example, thanks to Ultra-Quiet technology, the DGK150D produces only 60dB(A) at full load at 23 feet. That's about the level of sound produced by casual conversation! This is accomplished in an enclosure only 6% larger in overall volume—the unit is actually shorter and lighter than the previous model—with an increased price of less than 10% per kilowatt output.



## Mobile Trailer Package with extended run fuel tank

- 12000lb Tandem Axle Trailer - TC Approved
- 235/80R16 Tire
- 2-5/16" ball coupler; adjustable
- front and rear stabilizer jacks
- 235gal/890L TC approved fuel tank

## Weights & Dimensions

- 202"L x 78"W x 105"H
- 9603lb dry weight; 11,235lb wet weight