

*Sound-attenuated Mobile Generators*

**kwiet**  
POWER  
Shindaiwa Generators

# Add a silent partner to your business



**shindaiwa**  
Construction Products

# kWiet Power—the most quiet, lightweight and mobile generators.

*kWiet Power sound-attenuated mobile generators combine design simplicity with uncompromising standards of engineering and manufacturing excellence.*

## FEATURES

- All kWiet Power generators feature rugged, fuel-efficient Isuzu diesel engines, a kWiet Power exclusive.
- Ultra quiet thanks to advanced sound-absorbing technology.
- kWiet Power generators are lightweight and exceptionally compact to fit into tight spaces.
- Generators connect easily, are simple to operate and run a long time between fill-ups.
- All engines meet current EPA 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 down the unit in the event of load problems.
- Durable all-weather outer enclosure with powder coat paint and stainless steel fasteners throughout provide protection against corrosion.
- Two-way tank valve for easy connection with auxiliary tanks.

**ISUZU**  
DIESEL

Powered by  
Isuzu diesel  
engines.



### DGK100B

100kVA/80kW 3-phase  
58kW single-phase

### DGK70B

70kVA/56kW 3-phase  
40kW single-phase

### DGK45C

45kVA/36kW 3-phase  
27kW single-phase  
**Ultra Quiet Model**

### DGK25B

25kVA/20kW 3-phase  
15kW single-phase

### DGK150

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



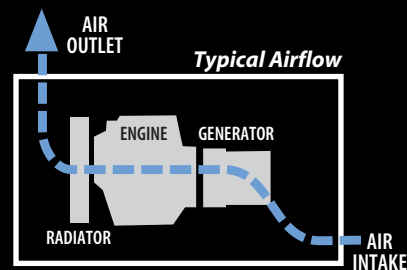
# Shindaiwa reduces sound levels while keeping generators cost-competitive.



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

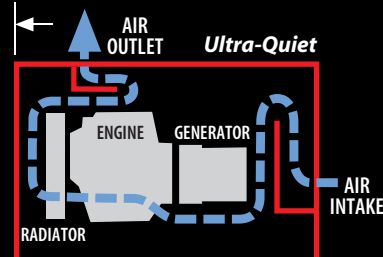
- Instead of building a larger enclosure to absorb sound, Shindaiwa uses air dams and insulated panels to re-direct cooling air, doubling length-of-travel to minimize airflow noise.
- The generator enclosure features thicker panels—with special attention to door panels—and engineered sound-absorbing 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 DGK45C produces only 56dBA 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.



Cooling air passes nearly straight through – conventional sound reduction

Shorter overall length; smaller footprint



Redirected cooling air doubles length of travel – lowers sound levels dramatically

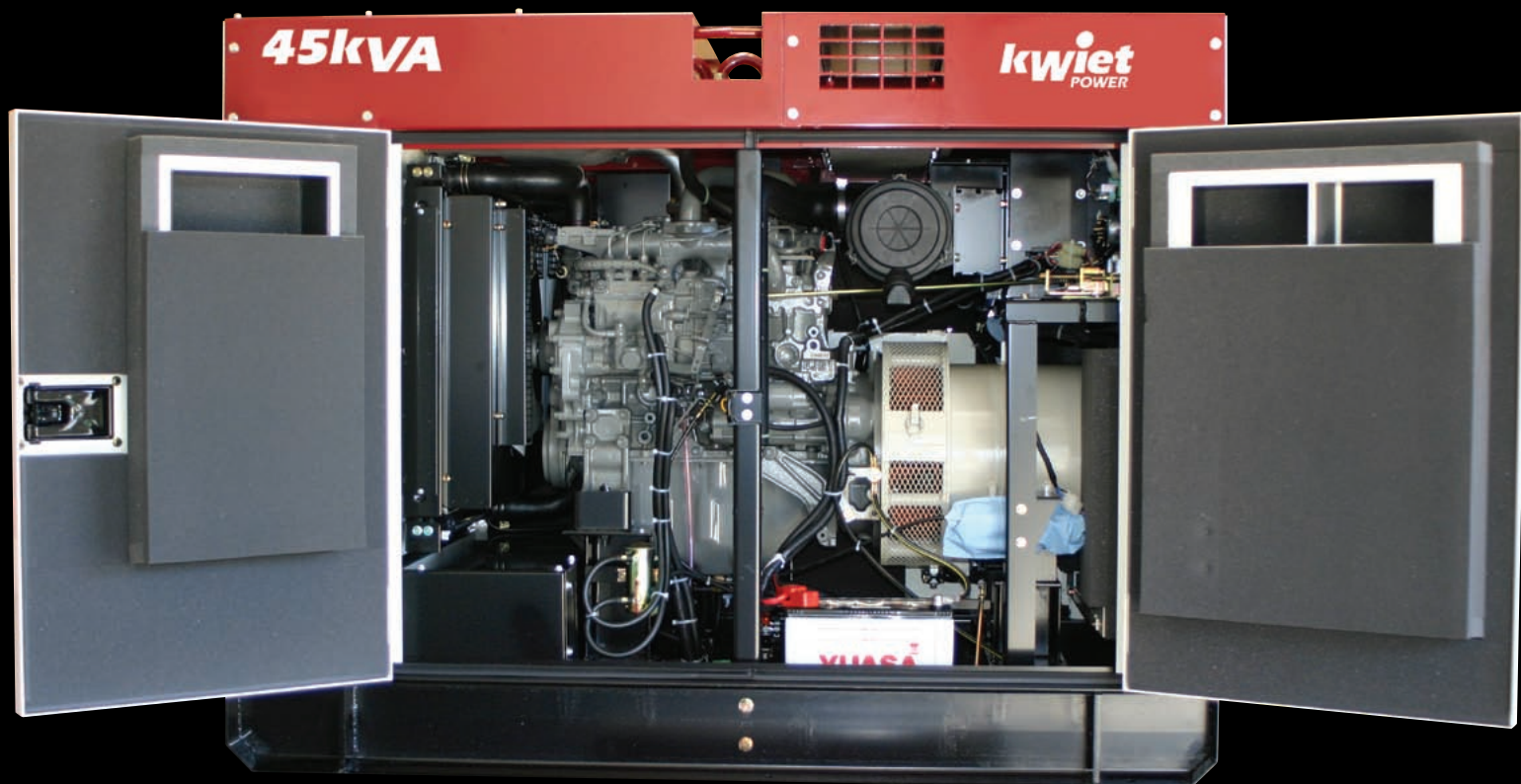
Special sound-absorbing material on nearly every inside surface, including doors.

Enclosure is made of heavy gauge steel.

Air flow throughout the enclosure is redirected by steel baffles and air dams to double its length of travel. Plus, the longer air stays in the enclosure, the better it transfers heat.

All doors feature special sealing material for added sound reduction.

Specially tuned muffler and a longer exhaust pipe achieve improved balance of high and low noise frequencies.





## Features that set kWiet Power generators apart from the



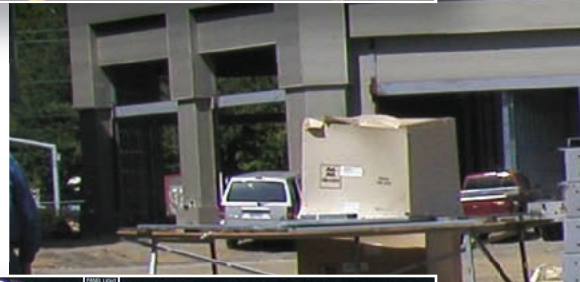
kWiet Power generators are manufactured in advanced, state-of-the-art factories.



Sophisticated testing methods, including extensive full-load testing, use advanced calibration equipment to make sure every kWiet Power generator delivers specified performance.



Output panels have single- and three-phase receptacles with individual circuit breakers. 120V Receptacles are energized in all voltage settings. A safety switch on the cover of the terminal connector panel opens the circuit breaker when the cover is lifted past about 30°.



Panel controls with analog gauges and meters are easy to read and use. Panels are pre-drilled to facilitate the installation of an optional auto-start module.



e competition.

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Doors lift off for improved maintenance access.



All external doors are lockable for security.



A lifting hook is recessed into the top of each unit to keep tops flush.



The three-position voltage selector switch is lockable.



On a trailer, compact kWiet Power generators add convenience and versatility to any job site.

# kWiet Power Generator Specifications



**DGK25B**



**DGK45C – Ultra Quiet**

## MODEL

### GENERATOR

Generator type	Revolving Field Brushless AC	Revolving Field Brushless AC
Continuous output, 60/50Hz, 3 phase	20kW (25kVA) / 16.7kW (20.8kVA)	36kW (45kVA) / 30kW (37.5kVA)
Continuous output, 1 phase	15kW (15kVA)	27kW (27kVA)
Standby output, 3 phase	22kW (27.5kVA)	39.6kW (49.5kVA)
Voltage, 3 phase (switchable)	208, 220, 240, 416, 440, 480V	208, 220, 240, 416, 440, 480V
Voltage, 1 phase (switchable)	120, 127, 139, 240, 254, 277V	120, 127, 139, 240, 254, 277V
Amps, 1 phase, 120V	55A (4-wire), 62A x 2 (zig-zag)	100A (4-wire), 112A x 2 (zig-zag)
Amps, 1 phase, 240V	27A (4-wire), 62A (zig-zag)	50A (4-wire), 112A (zig-zag)
Amps, 3 phase, 240V	60A	108A
Amps, 3 phase, 480V	30A	54A
Frequency – regulation	60/50Hz – $\pm 3$ to 5%	60/50Hz – $\pm 3$ to 5%
Voltage regulation, 3 phase	$\pm 1.0\%$	$\pm 1.0\%$
Voltage regulation, 1 phase	$\pm 2.5\%$	$\pm 2.5\%$
Rated speed, 60/50Hz	1800 / 1500 rpm	1800 / 1500 rpm
Winding	3-phase, 4-wire Star w/neutral/zig-zag	3-phase, 4-wire Star w/neutral/zig-zag
Power factor / Insulation class	0.8 / F-class insulation	0.8 / F-class insulation
Excitation / Number of poles	Static (brushless) / 4 poles	Static (brushless) / 4 poles
Sound level, no load at 23 feet	62 dB(A)	53 dB(A)
Sound level, full load at 23 feet	65 dB(A)	56 dB(A)

### DIESEL ENGINE

Make, model and type	Isuzu 4LE1, 4 cylinder	Isuzu 4JG1T, 4 cylinder
Emission certification	EPA Off-road Tier II	EPA Off-road Tier II
Design features	Swirl chamber injection	Direct injection, Turbocharged
Displacement	2.179 L (133 cu. in.)	3.059 L (187 cu. in.)
Bore x stroke	85 x 96mm (3.3 x 3.8 in.)	95.4 x 107mm (3.75 x 4.21 in.)
Continuous rated output	31 hp @ 1800 rpm	57 hp @ 1800 rpm
Starting system	Electric 12V DC	Electric 12V DC
Internal fuel capacity	65L (17.2 gallons)	124L (32.8 gallons)
Fuel consumption, full load	6.4L/hr (1.69 gal./hr)	10.4L/hr (2.75 gal./hr)
Fuel consumption, 3/4 load	4.92L/hr (1.3 gal./hr)	7.8L/hr (2.06 gal./hr)
Fuel consumption, 1/2 load	3.79L/hr (1.0 gal./hr)	5.6L/hr (1.48 gal./hr)
Fuel consumption, 1/4 load	2.65L/hr (0.7 gal./hr)	3.6L/hr (0.95 gal./hr)
Total coolant capacity	8.0L (2.2 gallons)	13.0L (3.4 gallons)
Total oil capacity / oil class	8.5L (2.2 gal.) / CD class or higher	10L (2.6 gal.) / CC class or higher

### PHYSICAL CHARACTERISTICS

Dimensions (L x W x H)	1750 x 650 x 915mm (69" x 26" x 36")	1770 x 920 x 1350mm (70" x 36" x 53")
Unit dry weight	617kg (1360 lbs)	1140kg (2513 lbs)

**Meters and controls (all models)**—Voltage, frequency, amperage and hour meters; automatic voltage regulator; oil pressure and water temperature gauges; battery charge warning indicator.



**DGK70B**



**DGK100B**



**DGK150 – Ultra Quiet**

Revolving Field Brushless AC	Revolving Field Brushless AC	Revolving Field Brushless AC
56kW (70kVA) / 46.6kW (58.3kVA)	80kW (100kVA) / 66.6kW (83.3kVA)	120kW (150kVA) / 100kW (125kVA)
42kW (42kVA)	58kW (58kVA)	90kW (90kVA)
61.6kW (77kVA)	88kW (110kVA)	132kW (165kVA)
208, 220, 240, 416, 440, 480V	208, 220, 240, 416, 440, 480V	208, 220, 240, 416, 440, 480V
120, 127, 139, 240, 254, 277V	120, 127, 139, 240, 254, 277V	120, 127, 139, 240, 254, 277V
155A (4-wire), 168A x 2 (zig-zag)	214A (4-wire), 241A x 2 (zig-zag)	333A (4-wire), 361A x 2 (zig-zag)
77A (4-wire), 168A (zig-zag)	120A (4-wire), 241A (zig-zag)	166A (4-wire), 361A (zig-zag)
168A	240A	361A
84A	120A	180A
60/50Hz – $\pm 3$ to 5%	60/50Hz – $\pm 3$ to 5%	60/50Hz – $\pm 0.25\%$
$\pm 1.0\%$	$\pm 1.5\%$	$\pm 1.0\%$
$\pm 2.5\%$	$\pm 2.5\%$	$\pm 2.5\%$
1800 / 1500 rpm	1800 / 1500 rpm	1800 / 1500 rpm
3-phase, 4-wire Star w/neutral/zig-zag	3-phase, 4-wire Star w/neutral/zig-zag	3-phase, 4-wire Star w/neutral/zig-zag
0.8 / H-class insulation	0.8 / F-class insulation	0.8 / F-class insulation
Static (brushless) / 4 poles	Static (brushless) / 4 poles	Static (brushless) / 4 poles
62 dB(A)	64 dB(A)	57 dB(A)
65 dB(A)	67 dB(A)	60 dB(A)

Isuzu 4BG1T, 4 cylinder	Isuzu 6BG1TC, 6 cylinder	Isuzu 6HK1TC, 6 cylinder
EPA Off-road Tier II	EPA Off-road Tier II	EPA Off-road Tier III
Direct injection, Turbocharged	Direct injection, Turbocharged, Intercooler	Direct injection, Turbocharged, Intercooler
4.329 L (264 cu. in.)	6.494L (396 cu. in.)	7.790L (475.4 cu. in.)
105 x 125mm (4.1 x 4.9 in.)	105 x 125mm (4.1 x 4.9 in.)	115 x 125mm (4.5 x 4.9 in.)
82 hp @ 1800 rpm	150.2 hp @ 1800 rpm	190 hp @ 1800 rpm
Electric 12V DC	Electric 24V DC	Electric 24V DC
125L (33.0 gallons)	219L (57.9 gallons)	280L (74 gallons)
16.6L/hr (4.38 gal./hr)	24.22L/hr (6.4 gal./hr)	32L/hr (8.5 gal./hr)
12.6L/hr (3.33 gal./hr)	18.16L/hr (4.8 gal./hr)	25L/hr (6.6 gal./hr)
9.0L/hr (2.38 gal./hr)	13.62L/hr (3.6 gal./hr)	17L/hr (4.5 gal./hr)
5.7L/hr (1.51 gal./hr)	9.46L/hr (2.5 gal./hr)	10L/hr (2.6 gal./hr)
17.0L (4.5 gallons)	21.3L (5.6 gallons)	23.8L (6.2 gallons)
14.2L (3.8 gal.) / CD class or higher	20L (5.3 gal.) / CD class or higher	38L (9.9 gal.) / CD class or higher

2090 x 880 x 1240mm (82" x 35" x 49")	2870 x 1000 x 1400mm (113" x 39" x 55")	3450 x 1240 x 1850mm (136" x 49" x 73")
1245kg (2745 lbs)	1850kg (4079 lbs)	2900kg (6393 lbs)

**Available options (all models)**—Electronic governors, electronic auto-start modules, battery chargers and block heaters. Plus a variety of trailers, fuel tanks and trailer accessories.