

*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 (also overspeed on DGK150D).
- Thermal relay opens main circuit breaker to protect generator in case of overload.
- 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  
42kW single-phase

### DGK45C

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

### DGK25C

25kVA/20kW 3-phase  
15kW single-phase  
**Ultra Quiet Model  
Simul-Phase™**

### DGK150D

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

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

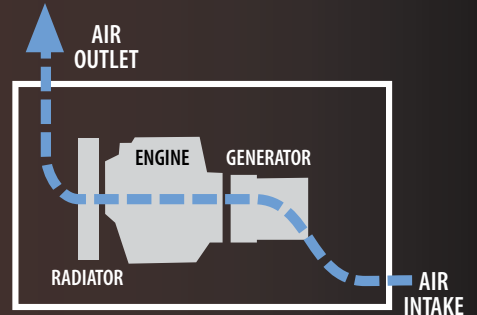
**Shindaiwa's Ultra-Quiet technology significantly reduces generator sound levels.**



- Air dams and insulated panels re-direct cooling air, doubling length-of-travel to minimize airflow noise without the need for power-robbing auxiliary fans.
- The enclosure features heavy gauge panels and door panels plus engineered sound-absorbing foam. The result is lower sound levels as well as increased unit rigidity.
- Specially tuned muffler and a longer exhaust pipe improve the balance of high and low noise frequencies.

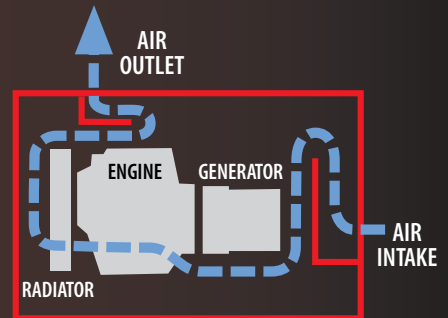
As an example, thanks to Ultra-Quiet technology, the DGK25C produces only 56dBA at full load. That's less than the level of sound produced by casual conversation!

**Typical Airflow**



Cooling air passes nearly straight through – conventional sound reduction

**Ultra Quiet**



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

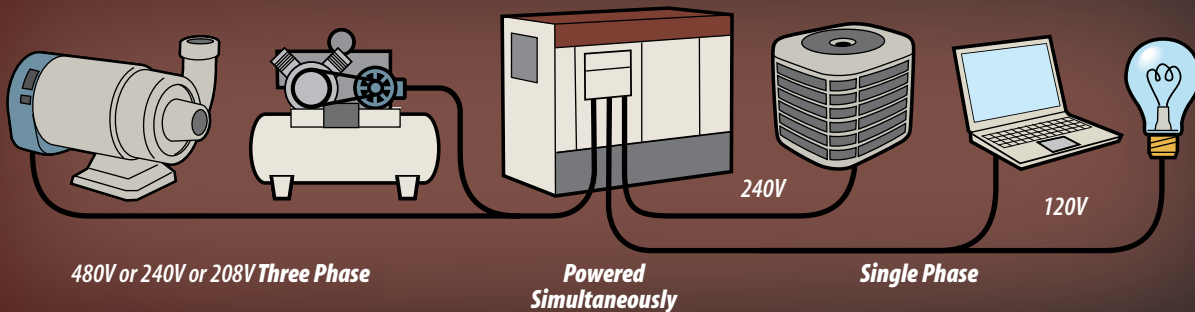
# Shindaiwa's revolutionary Simul-Phase™ Technology delivers dual single and three phase power simultaneously.



**Simul-Phase™ is a patented breakthrough in mobile power generation technology.**

For the first time, users can deliver dual voltage single phase and three phase current from one generator AT THE SAME TIME without the use of transformers.

Now you can supply 120V and 240V power to lights, air conditioners, electric tools, and other similar devices at the same time you supply three phase 240/480V power to motors that drive compressors, pumps, similar equipment from one generator.



## 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.

competition.



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



**SIMULPHASE**  
TECHNOLOGY



**DGK25C – Ultra Quiet**



**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 – ±3 to 5%	60/50Hz – ±3 to 5%
Voltage regulation, 3 phase	±1.0%	±1.0%
Voltage regulation, 1 phase	±5.0%	±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	53 dB(A)	53 dB(A)
Sound level, full load at 23 feet	56 dB(A)	56 dB(A)

### DIESEL ENGINE

Make, model and type	Isuzu AA-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	133 cu. in. (2.179 L)	187 cu. in. (3.059 L)
Bore x stroke	3.3 x 3.8 in. (85 x 96mm)	3.75 x 4.21 in. (95.4 x 107mm)
Continuous rated output	31 hp @ 1800 rpm	57 hp @ 1800 rpm
Starting system	Electric 12V DC	Electric 12V DC
Internal fuel capacity	20.6 gallons (78L)	32.8 gallons (124L)
Fuel consumption, full load	1.57 gal./hr (5.94L/hr)	2.75 gal./hr (10.4L/hr)
Fuel consumption, 3/4 load	1.19 gal./hr (4.50L/hr)	2.06 gal./hr (7.8L/hr)
Fuel consumption, 1/2 load	0.89 gal./hr (3.36L/hr)	1.48 gal./hr (5.6L/hr)
Fuel consumption, 1/4 load	0.59 gal./hr (2.25L/hr)	0.95 gal./hr (3.6L/hr)
Total coolant capacity	2.2 gallons (8.2L)	3.4 gallons (13.0L)
Total oil capacity / oil class	2.2 gal. (8.5L) / CD class or higher	10L (2.6 gal.) / CC class or higher

### PHYSICAL CHARACTERISTICS

Dimensions (L x W x H)	57" x 31" x 45" (1440 x 780 x 1140mm)	70" x 36" x 53" (1770 x 920 x 1350mm)
Unit dry weight	1543 lbs (700kg)	2513 lbs (1140kg)

**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**



**DGK150D – 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 – ±3 to 5%	60/50Hz – ±3 to 5%	60/50Hz – ±0.25%
±1.0%	±1.5%	±1.0%
±2.5%	±2.5%	±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
264 cu. in. (4.329 L)	396 cu. in. (6.494L)	475.4 cu. in. (7.790L)
4.1 x 4.9 in. (105 x 125mm)	4.1 x 4.9 in. (105 x 125mm)	4.5 x 4.9 in. (115 x 125mm)
82 hp @ 1800 rpm	150.2 hp @ 1800 rpm	190 hp @ 1800 rpm
Electric 12V DC	Electric 24V DC	Electric 24V DC
33.0 gallons (125L)	57.9 gallons (219L)	74 gallons (280L)
4.38 gal./hr (16.6L/hr)	6.4 gal./hr (24.22L/hr)	8.5 gal./hr (32L/hr)
3.33 gal./hr (12.6L/hr)	4.8 gal./hr (18.16L/hr)	6.6 gal./hr (25L/hr)
2.38 gal./hr (9.0L/hr)	3.6 gal./hr (13.62L/hr)	4.5 gal./hr (17L/hr)
1.51 gal./hr (5.7L/hr)	2.5 gal./hr (9.46L/hr)	2.6 gal./hr (10L/hr)
4.5 gallons (17.0L)	5.6 gallons (21.3L)	6.2 gallons (23.8L)
3.8 gal. (14.2L) / CD class or higher	5.3 gal. (20L) / CD class or higher	9.9 gal. (38L) / CD class or higher

82" x 35" x 49" (2090 x 880 x 1240mm)	113" x 39" x 55" (2870 x 1000 x 1400mm)	136" x 49" x 73" (3450 x 1240 x 1850mm)
2745 lbs (1245kg)	4079 lbs (1850kg)	6504 lbs (2950kg)

**Available options (all models)**—Electronic governors (standard on DGK150D), electronic auto-start modules, battery chargers and block heaters. Plus a variety of trailers, fuel tanks and trailer accessories.



## Trailer options for added versatility.

## kWiet Power 400 Amp Welder /Generator

kWiet Power trailers feature an in-frame generator mount/fuel tank—available in both single- and double-wall—that is removable and interchangeable between trailers and generator models.

- The tank extends run time to over 24 hours at full load.
- The generator-tank combo can be replaced on the trailer easily by one person thanks to front and side lift pockets and self-aligning cradles.
- Lockable fuel-spill protection chamber.
- The trailers meet all federal DOT requirements.

### Premium Trailers

- 130-gal. aluminum fuel tank (optional sizes available).
- Quiet dual Dexter-type axles with surge or electric brakes.
- Non-corrosive master cylinder.



**High-efficiency, low-noise kWiet Power welders are environmentally friendly. Versatile. Durable. Compact**



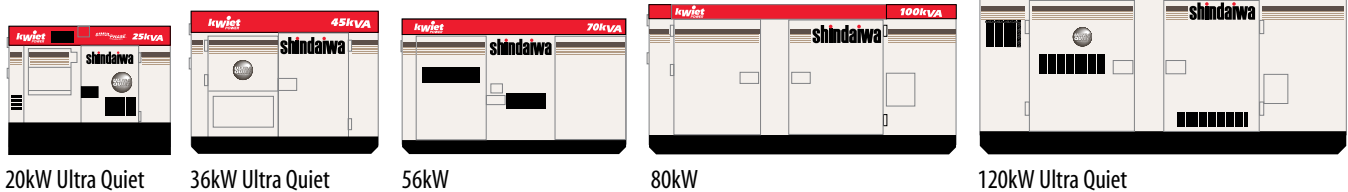
### Features

- Dual operator capability
- Superior performance thanks to a unique current control system
- Automatic engine idle
- Digital meters
- CV, CC, MIG, TIG, Stick, Gouging
- Air arc gouging; 1/4-inch capability
- Super-quiet – 58dB(A) – in ECO mode
- Compact, lightweight
- Water-tight construction
- Easily accessible external drain plugs on one side
- Automatic safety output reduction and engine shut-down features
- Complies with EPA-2 emission standards
- Optional remote control available



Operation in economical (ECO) mode reduces engine emissions, extends engine life, consumes 30% less fuel, produces 10% less noise—and is still capable of 220 amp output!

### The kWiet Power Generator Lineup



**shindaiwa**  
Construction Products

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