

## At Last – a generator that lets you power three phase and dual single phase equipment simultaneously!



Powered by Isuzu .

**DGK25C Ultra Quiet** 25kVA/20kW  
Simultaneous 1-phase (120-/240V)  
3-phase (240/480V)

**Plus get remarkably low sound levels, the hallmark of kWiet Power generators.**

### DGK25C FEATURES

- **Delivers dual single phase and three phase simultaneously with patented Simul-Phase™ technology.**
- Rugged, fuel-efficient Isuzu diesel engine.
- Ultra quiet thanks to advanced sound-absorbing technology.
- Engine meets EPA Tier II emission standards.
- 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.
- 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.
- Easy-to-use control panel with reliable analog gauges.

**shindaiwa**  
Construction Products

# DGK25C Specifications



## GENERATOR

Generator type	Revolving Field Brushless AC, simultaneous 3 phase and 120/240V 1 phase
Rated output	20kW (25 kVA)
Voltage, 3 phase	208, 220, 240, 416, 440, 480V
Voltage, 1 phase	120, 127, 139, 240, 254, 277V
Amps, 1 phase, 120V	62.5A x 2
Amps, 1 phase, 240V	62.5A
Amps, 3 phase, 240V	60A
Amps, 3 phase, 480V	30A
Frequency – regulation	60/50Hz – ± 3 to 5%
Rated speed, 60/50Hz	1800 / 1500 rpm
Winding	Star with neutral
Power factor / Insulation class	0.8 / F-class insulation
Excitation / Number of poles	Static (brushless) / 4 poles
Sound level, no load	53 dB(A)
Sound level, full load	56 dB(A)

## DIESEL ENGINE

Make, model and type	Isuzu 4LE1, 4 cylinder, liquid cooled diesel
Displacement	133 cu. in. (2.179L)
Bore x stroke	3.35 x 3.78 in. (85 x 96mm)
Continuous rated output	31 hp @ 1800 rpm (60Hz)/1500 rpm (50Hz)
Battery capacity	12V, 80AH
Starting motor capacity	12V, 2.0KW
Charging alternator capacity	12V, 20A
Internal fuel capacity / fuel type	20.6 gallons (78L) / ASTM No. 2 diesel
Fuel consumption, full load	1.57 gal./hr (5.94L/hr)
Fuel consumption, 3/4 load	1.19 gal./hr (4.50L/hr)
Fuel consumption, 1/2 load	0.89 gal./hr (3.36L/hr)
Fuel consumption, 1/4 load	0.59 gal./hr (2.25L/hr)
Total coolant capacity	2.2 gallons (8.2L)
Total oil capacity / oil class	2.2 gal. (8.5L) / CD or higher

## PHYSICAL CHARACTERISTICS

Dimensions (L x W x H)	57" x 31" x 45" (1440 x 780 x 1140mm)
Unit dry weight	1543 lbs (700kg)
Meters and controls	Voltage, frequency, amperage and hour meters; automatic voltage regulator (3-phase: ± 1%, 1-phase: ± 5%); oil pressure and water temperature indicator; battery charge warning indicator.

## AVAILABLE OPTIONS

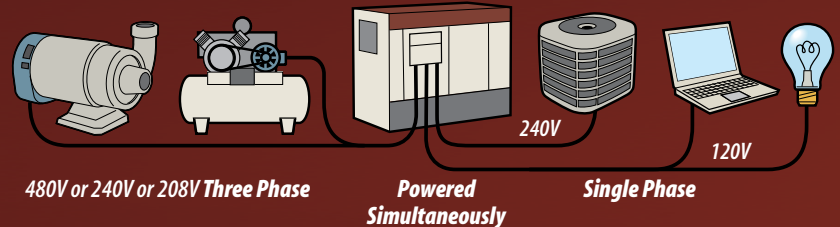
Electronic auto-start modules, electronic governors, battery chargers and block heaters. Plus a variety of trailers, fuel tanks and trailer accessories.

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

**SIMUL-PHASE™**  
TECHNOLOGY

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.



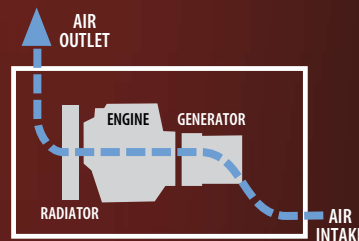
## Shindaiwa reduces sound levels while keeping generators cost-competitive.

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



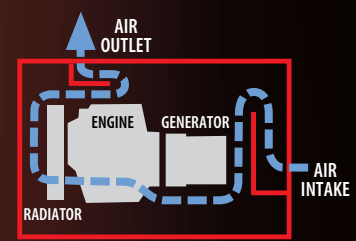
- Air dams and insulated panels re-direct cooling air, doubling length-of-travel to minimize airflow noise without the need for power-robbing auxiliary fans.
- The enclosure features heavy gauge panels and door panels plus engineered sound-absorbing foam. The result is lower sound levels as well as increased 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!



Cooling air passes nearly straight through – conventional sound reduction

**Typical Airflow**



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

**Ultra-Quiet**