

TIER4

shindaiwa[®]

**A RELIABLE AND POWERFUL SOLUTION FOR
YOUR POWER GENERATION NEEDS**

****WARNING****

Generators purchased from ESI are not rated for operations in ambient conditions below 5 Degree Fahrenheit unless equipped with an Arctic Re-Air enclosure. Operations colder than 5 Degree Fahrenheit will void warranty, may shorten the life expectancy of the generator or cause damage or failure to the generator. Customer may operate the generator at Ambient conditions colder the 5 Degrees Fahrenheit at their own risk.

Ask the ESI Sales Team bout Re-Air equipped Generators



kwiet
POWER

877-986-7783 | www.kwietpower.com

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

kWiet Power Generator Features:

- All kWiet Power generators feature rugged, fuel-efficient diesel engines (a kWiet Power exclusive).
- Sound-absorbing technology makes each model ultra-quiet.
- kWiet Power generators are lightweight and exceptionally compact to fit into tight spaces.
- Generators connect easily, are simple to operate and offer extended run times.
- All engines meet current EPA emission standards.
- Provides both single- and three-phase output.
- Single-phase 120/240V output available in all voltage settings.
- Voltage selector switch permits matching output to the load.
- Lockable switch protects against improper voltage change.
- Engine protections to help prevent damage to your powered equipment.
- 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 provide protection against corrosion.
- Two-way tank valve for easy connection with auxiliary tanks. (*Not available on DGK7F and DGK15F models)
- S.E.T. Smart Emissions Technology™ (Standard) on the DGK70F, DGK125F, and DGK180F.



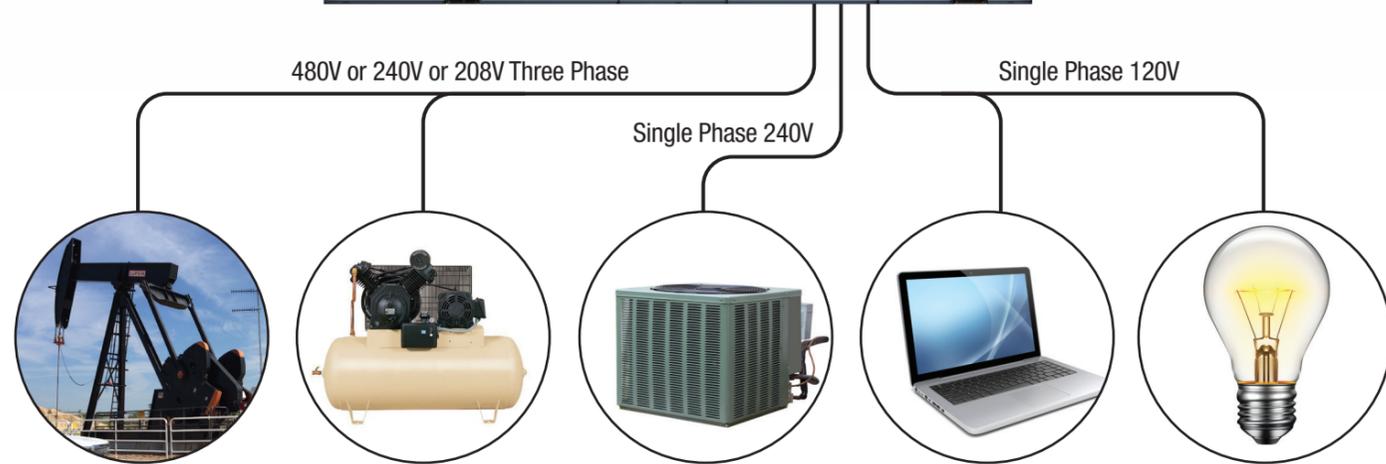
THE MOST QUIET AND RELIABLE GENERATORS IN THE INDUSTRY.



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

SIMUL-PHASE™
TECHNOLOGY

For the first time, users can deliver dual-voltage single-phase and three-phase current from one generator, without the use of transformers- AT THE SAME TIME! 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 240V/480V power to motors that drive compressors, pumps, and similar equipment **from one generator.**



Powered Simultaneously

Shindaiwa's Ultra-Quiet technology significantly reduces sound level making our generators one of the quietest in the industry.

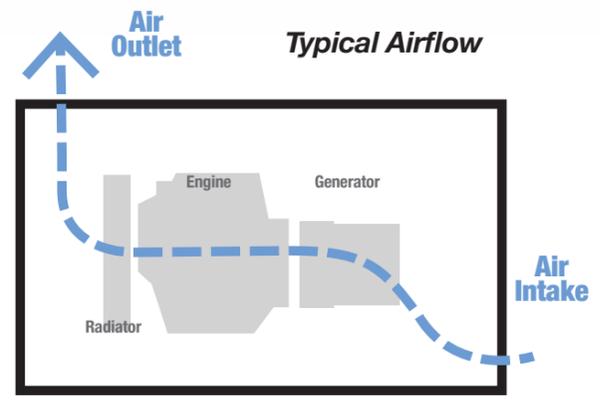


Ultra-Quiet Features:

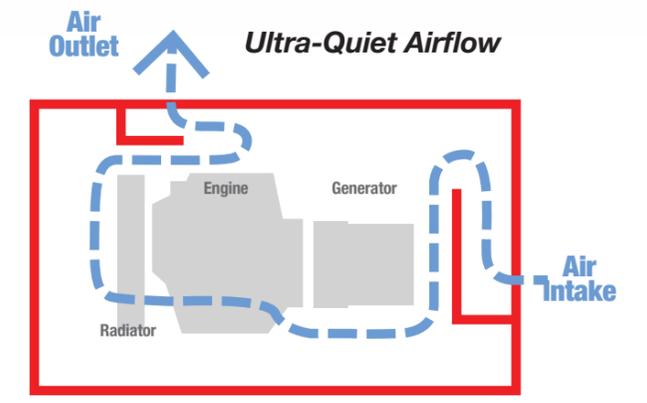
- Air dams and insulated panels re-direct cooling air, by doubling the length-of-travel, to minimize airflow noise without the need for power-robbing auxiliary fans.
- The enclosure features heavy-gauge door panels along with specially-engineered, sound-absorbing foam. The result is lower sound levels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

DGK180F produces only 65dB(A) at full load. That is quieter than the level of sound produced by a typical household dishwasher!

Our Numbers Speak for Themselves: (measured sound with no load at 23 feet)



Cooling air passes nearly straight through – conventional sound reduction.



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



Model **DGK7F** **DGK14F** **DGK15F** **DGK25F**

GENERATOR

Generator type	Revolving Field Brushless AC			
Continuous output, 60Hz, 3 phase	-	-	12kW (15kVA)	20kW (25kVA)
Continuous output, 1 phase	6.5kW	14kW	12kW	15kW (15kVA) [7.5kW(7.5kVA)]
Standby output, 3 phase	Single Phase 7.2kW	Single Phase 14.7kW	13.2kW (16.5kVA)	22kW (27.5kVA)
Voltage, 3 phase (switchable)	-	-	240	240 [480V]
Voltage, 1 phase (switchable)	-	-	120,240	120, 139, 240 [277V]
Amps, 1 phase, 120V	54A	58.3A x 2	50.0A x 2 (zig-zag-w)	62.5A x 2 [31.3A] (zig-zag-w)
Amps, 1 phase, 240V	27A	58.3A	50.0A (zig-zag-w)	62.5A [31.3A] (zig-zag-w)
Amps, 3 phase, 240V	-	-	36.1A	60A
Amps, 3 phase, 480V	-	-	-	30A
Rated Frequency - Regulation	60Hz ± 0.25%	60Hz ±0.25%	60Hz ±0.25%	60Hz ±0.25%
Rated speed, 60Hz	3600 rpm	1800 rpm	3600 rpm	1800 rpm
Sound level, no load at 23 feet	62 dB(A)	58 dB(A)	65 dB(A)	59 dB(A)
Sound level, full load at 23 feet	64 dB(A)	60 dB(A)	67 dB(A)	62 dB(A)

DIESEL ENGINE

Make, model and type	Kubota Z482	Kubota D1503, 3 cylinder	Kubota D902, 3 cylinder	Isuzu 4LE2T, 4 cylinder
Emission certification	US EPA Tier 4 Final	US EPA Tier 4 Final	US EPA Tier 4 Final	US EPA Tier 4 Final
Design features	Indirect injection, Naturally aspirated	Indirect injection	Indirect injection	Direct injection, Turbocharged
Displacement	29.23 cu. in. (.479 L)	91 cu. in. (1.499 L)	54.8 cu. in. (0.898 L)	133 cu. in. (2.179 L)
Continuous rated output	11.3 hp (8.4kW) @ 3600 rpm	19.5 hp @ 1800 rpm	20.7 hp @ 3600 rpm	33 hp @ 1800 rpm
Starting system	Electric 12V DC	Electric 12V DC	Electric 12V DC	Electric 12V DC
Internal fuel capacity	9.5 gallons (36.4 L)	34.3 gallons (130 L)	9.62 gallons (36.4 L)	51.5 gallons (195 L)
Fuel consumption, full load	0.68 gal./hr (2.6 L/hr)	1.37 gal./hr (5.2 L/hr)	1.24 gal./hr (4.7 L/hr)	1.6 gal./hr (6.1 L/hr)
Fuel consumption, 3/4 load	0.55 gal./hr (2.1 L/hr)	1.00 gal./hr (3.8 L/hr)	1.03 gal./hr (3.9 L/hr)	1.2 gal./hr (4.64 L/hr)
Fuel consumption, 1/2 load	0.47 gal./hr (1.8 L/hr)	0.71 gal./hr (2.7 L/hr)	0.85 gal./hr (3.2 L/hr)	0.9 gal./hr (3.6 L/hr)
Fuel consumption, 1/4 load	0.36 gal./hr (1.4 L/hr)	0.50 gal./hr (1.9 L/hr)	0.66 gal./hr (2.5 L/hr)	0.7 gal./hr (2.5 L/hr)
Total coolant capacity	1.04 gallons (4.0 L)	2.3 gallons (8.8 L)	1.06 gallons (4 L)	2.6 gallons (10 L)
Total oil capacity / oil class	0.68 gallons (2.6L)	1.9 gallons (7.3 L)	0.95 gallons (3.6 L)	3.0 gallons (11.5 L)

PHYSICAL CHARACTERISTICS

Dimensions (L x W x H)	42.7" x 25" x 34.9" (1095 x 640 x 895 mm)	55" x 28" x 47" (1390 x 704 x 1204 mm)	51.6" x 25.2" x 35.2" (1310 x 640 x 895 mm)	63" x 33" x 55" (1603 x 850 x 1400 mm)
Unit dry weight	744 lbs. (335 kg)	1378 lbs. (625 kg)	926 lbs. (420 kg)	1929 lbs. (875 kg)

Model **DGK45F** **DGK70F** **DGK125F** **DGK180F**

GENERATOR

Generator type	Revolving Field Brushless AC	Revolving Field Brushless AC	Revolving Field Brushless AC	Revolving Field Brushless AC
Continuous output, 60Hz, 3 phase	36kW (45kVA)	56kW (70kVA)	100kW (125kVA)	144kW (180kVA)
Continuous output, 1 phase	27kW (27kVA) [13.5kW(13.5kVA)]	42kW [21kW]	75 kW	108kW
Standby output, 3 phase	40kW (50kVA)	61.6kW (77kVA)	137.5 kW	158kW
Voltage, 3 phase (switchable)	240 [480V]	240 [480V]	208V, 240V, 480V	208V, 240V, 480V
Voltage, 1 phase (switchable)	120, 139, 240 [277V]	120V, 139, 240 [277V]	120V, 240V	120V, 240V
Amps, 1 phase, 120V	112A x 2 [56A] (zig-zag-w)	175A x 2 [87.5A x 2] (zig-zag-w)	313A x 2 (156A x 2, 480V)	450A x 2 (225A x 2, 480V)
Amps, 1 phase, 240V	112A [56A] (zig-zag-w)	175A [87.5A] (zig-zag-w)	313A (156A, 480V)	450A (225A, 480V)
Amps, 3 phase, 240V	108A	168A	301A	433A (500A @ 208V)
Amps, 3 phase, 480V	54A	84A	150A	216A
Rated Frequency - Regulation	60Hz ±0.25%	60Hz ±0.25%	60Hz ±0.15%	60Hz ±0.15%
Rated speed, 60Hz	1800 rpm	1800 rpm	1800 rpm	1800 rpm
Sound level, no load at 23 feet	63 dB(A)	61 dB(A)	65 db	65 dB(A)
Sound level, full load at 23 feet	66 dB(A)	62 dB(A)	66 db	65 dB(A)

DIESEL ENGINE

Make, model and type	Isuzu 4LE2X, 4 cylinder	Isuzu 4JJ1X 4 cylinder	ISUZU 4HK1X	ISUZU 6HK1
Emission certification	US EPA Tier 4 Final	US EPA Tier 4 Final	US EPA Tier4 Final	US EPA Tier 4 Final
Design features	Direct injection, Turbocharged, intercooler	Direct Injection, Turbocharged, Intercooler, DOC and SCR	Direct injection, Turbocharged, DOC and SCR	Direct Injection, Turbocharged, DOC and SCR
Displacement	133 cu. in. (2.179 L)	183.0 cu. in. (2.999 L)	316.9 cu.in. (5,193L)	475 cu. in. (7,790 L)
Continuous rated output	59 hp @ 1800 rpm	95.2 hp (71.0kW) @ 1800 rpm (60Hz)	152.3 hp (113.6kW) @1800rpm (60Hz)	227.3 hp (169.5kW) @ 1800 rpm (60Hz)
Starting system	Electric 12V DC	Electric 12V DC	Electric 12 V DC	Electric 24V DC
Internal fuel capacity	79 gallons (300 L)	105 gallons (400L) (DEF 7.4 gal.)	171.7 gal (650 L)	275 gallons (1042 L) (DEF 14.6 gal.)
Fuel consumption, full load	2.8 gal./hr (10.7 L/hr)	4.4 gal./hr (16.6L/hr)	7.1 gal/hr (26.9L/hr)	10.3 gal./hr (39.1 L/hr)
Fuel consumption, 3/4 load	2.1 gal./hr (8.2 L/hr)	3.4 gal./hr (13.1L/hr)	5.5 gal/hr (20.7L/hr)	7.8 gal./hr (29.6 L/hr)
Fuel consumption, 1/2 load	1.5 gal./hr (5.9 L/hr)	2.5 gal./hr (9.5L/hr)	3.9 gal/hr (14.7L/hr)	5.6 gal./hr (21.3 L/hr)
Fuel consumption, 1/4 load	0.9 gal./hr (3.8 L/hr)	1.8 gal./hr (6.4L/hr)	2.1 gal/hr (9.1L/hr)	3.6 gal./hr (13.8 L/hr)
Total coolant capacity	2.9 gallons (11 L)	3.7 gallons (14.0L)	8.2 gal (31 L)	8.7 gallons (33 L)
Total oil capacity / oil class	3.0 gallons (11.5 L)	4.0 gal. (15.0L)	6.2 gal (23.5 L)	10.5 gallons (40 L)

PHYSICAL CHARACTERISTICS

Dimensions (L x W x H)	83" x 37" x 61" (2100 x 950 x 1550 mm)	102" x 37.5" x 69" (2590 x 951 x 1751mm)	120" x 48.8" x 59.1" (3,050 x 1,240 x 1,500mm)	143.7" x 52.8" x 87.8" (3650 x 1340 x 2230 mm)
Unit dry weight	2634 lbs. (1195 kg)	3898 lbs (1754kg)	6,592 lbs (2,990kg)	9370 lbs. (4250 kg)

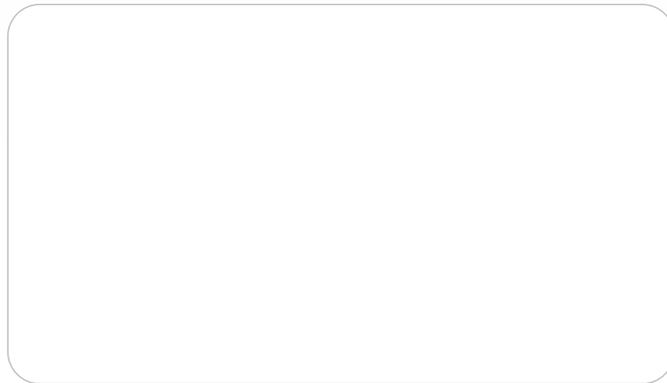
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