

Shindaiwa DGK180F Generator

Total Energy Solutions is ready to meet your urgent power needs with a readily available inventory of quiet, reliable generators. Uncover the power and appeal behind the Shindaiwa DGK180F generators.

Features:

- Air dams and insulated panels redirect 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.
- A specially tuned muffler and a longer exhaust pipe improve the tolerance of high and low noise frequencies.



Accessories:

- Trailer
- Block heater
- Battery charger
- Cam-Loks



Shindaiwa DGK180F Generator

Generator	
Generator type	Removing field brushless AC
Continuous output, 3 phase	144kW (180kVA)
Continuous output, 1 phase	108kW
Standby output, 3 phase	158kW
Voltage, 3 phase (switchable)	208V, 240V, 480V
Voltage, 1 phase	120V, 240V
Amps, 3 phase, 208V	500A
Amps, 3 phase, 240V	433A
Amps, 3 phase, 480V	216A
Amps, 1 phase, 120V	450A x 2 (225A x 2, 480V)
Amps, 1 phase, 240V	450A (225A, 480V)
Rated frequency regulation	60Hz $\pm 0.15\%$
Rated speed, 60Hz	1800 rpm
Sound level, no load at 23 feet	65 db
Sound level, full load at 23 feet	65 db
Physical Characteristics	
Dimensions (L x W x H)	143.7" x 52.8" x 87.8" (3650 x 1340 x 2230mm)
Unit dry weight	9370 lbs (4250kg)

Diesel Engine	
Make, model, and type	ISUZU 6HK1
Emission certification	US EPA Tier4 Final
Design features	Direct injection, turbocharged, DOC and SCR
Displacement	475 cu.in. (7,790L)
Continuous rated output	227.3hp (169.5kW) @1800rpm (60Hz)
Starting system	Electric 24V DC
Internal fuel capacity	275gal (1042L)
Fuel consumption, full load	10.3gal/hr (39.1L/hr)
Fuel consumption, 3/4 load	7.8gal/hr (29.6L/hr)
Fuel consumption, 1/2 load	5.6gal/hr (21.3L/hr)
Fuel consumption, 1/4 load	3.6gal/hr (13.8L/hr)
Total coolant capacity	8.7gal (33L)
Total oil capacity	10.5gal (40L)
DEF tank capacity	7.3gal x 2 (28L x 2)
Physical Characteristics	
Dimensions (L x W x H)	143.7" x 52.8" x 87.8" (3650 x 1340 x 2230mm)
Unit dry weight	9370 lbs (4250kg)

Power Distribution *Figures in brackets are used when set to 480V

Use is possible up to the 108kW as shown below

Single Phase									
3-wire output terminal			GFCI receptacle				50A twistlock receptacle		
U-W	U-N	W-N	CON1	CON2	CON3	CON4	CON5	CON6	CON7
240V	120V	120V	120V		120V		120/240V		
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