



TIER 4
SIMUL-PHASE®

MORE INFO



DGK45F 63 DB(A) INDUSTRIAL GENERATOR

POWER THAT NEVER QUILTS

POWERFUL FEATURES

Built to Endure. Powered to Perform.

- Fuel-efficient diesel engines, built-in overload protection, and a rugged, weather-resistant enclosure ensure lasting performance and reliability—no matter the conditions.

Power That Adapts.

- Simul-Phase® technology delivers both single and three-phase output simultaneously, with 120/240V single-phase available at every voltage setting for unmatched versatility on the job.
- Includes priority trip breakers equipped with separate breakers for single and three-phase loads, with user-selectable priority to protect preferred output during overloads.



ACCESSORIES

- Trailer
- Block heater
- Battery charger
- Cam-loks

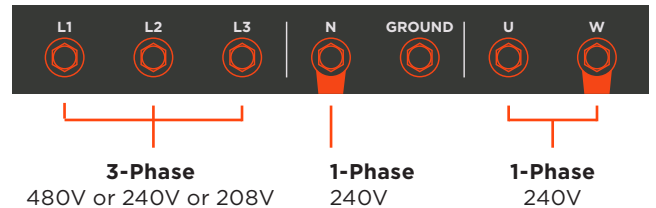
ULTRA-QUIET DESIGN

- ECHO industrial generators deliver powerful performance with minimal sound.
- 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 is built with heavy-gauge door panels and specially engineered sound-absorbing foam, delivering reduced noise levels and enhanced structural rigidity.
- A specially-tuned muffler and a longer exhaust pipe reduce the impact of high and low noise frequencies.

SIMUL-PHASE® CAPABILITIES

Power 1-Phase and 3-Phase loads at the same time without the need of adding a transformer.

Simul-Phase® unique split buss:



GENERATOR	
Generator Type	Revolving field brushless AC
Continuous output, 60Hz, 3-phase	36kW (45kVA)
Continuous output, 1-phase	27kW (27kVA) [13.5kW(13.5kVA)]
Standby output, 3-phase	40kW (50kVA)
Voltage, 3-phase (switchable)	240 [480V]
Voltage, 1-phase (switchable)	120, 139, 240 [277V]
Amps, 1 phase, 120V	112A x 2 [56A] (zig-zag-w)
Amps, 1-phase, 240V	112A [56A] (zig-zag-w)
Amps, 3-phase, 240V	108A
Amps, 3 phase, 480V	54A
Rated frequency-regulation	60Hz ±0.25%
Rated speed, 60Hz	1800 rpm
Sound level, no load at 23 feet	63 db
Sound level, full load at 23 feet	66 db
DIESEL ENGINE	
Make, model and type	Isuzu 4LE2X, 4 cylinder
Emission certification	US EPA tier 4 final
Design features	Direct Injection, turbocharged, intercooler
Displacement	133 cu. in. (2.179 L)
Continuous rated output	59 hp @ 1800 rpm
Starting system	Electric 12V DC
Internal fuel capacity, 110% full fluid containment	79 gallons (300L)
Fuel consumption, full load	2.8 gal./hr (10.7L/hr)
Fuel consumption, 3/4 load	2.1 gal./hr (8.2L/hr)
Fuel consumption, 1/2 load	1.5 gal./hr (5.9L/hr)
Fuel consumption, 1/4 load	0.9 gal./hr (3.8L/hr)
Total coolant capacity	2.9 gallons (11L)
Total oil capacity / oil class	3.0 gal. (11.5L)
PHYSICAL CHARACTERISTICS	
Dimensions (L x W x H)	83" x 37" x 61" (2100 x 950 x 1550mm)
Unit dry weight	2634 lbs (1195kg)
Trailer unit dimensions (L x W x H)	154.25" x 70.60" x 83.58" (3918 x 1793 x 2123 mm)
Trailer unit dry weight	3784 lbs (1716kg)

POWER DISTRIBUTION

USABLE POWER OUTPUT UP TO THE KV_a, AS SHOWN BELOW

1-phase, 3 wire output terminal	1-phase 120 V receptacle				1-phase 240/120 V receptacle			Total
	CON1	CON2	CON3	CON4	CON5	CON6	CON7	
U-W	27/[13.5]	Total 2.4	Total 2.4	12	12	12	27/[13.5]	
U-N	13.5 [6.75]						13.5/[6.75]	
W-N	13.5 [6.75]						13.5/[6.75]	

* Figures in brackets are used when set to 480 V.

