



**TIER4**  
**SIMUL-PHASE®**

MORE INFO



# DGK180F 65 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.

### S.E.T. Smart Emissions Technology™.

- Added protection during light or underloaded operation.

## ACCESSORIES

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



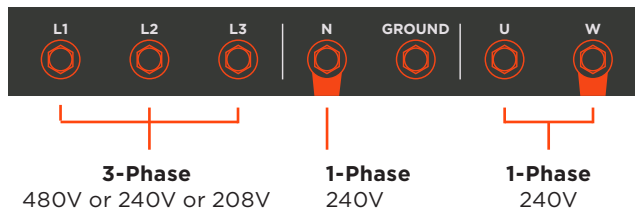
## ULTRA-QUIET DESIGN

- 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:



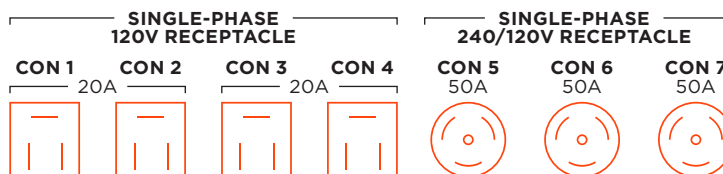
GENERATOR	
Generator Type	Revolving field brushless AC
Continuous output, 3-phase	144kW (180kVA)
Continuous output, 1-phase	108kW
Standby output, 3-phase	158kW
Voltage, 3-phase (switchable)	208V, 240V, 480V
Voltage, 1-phase	120V, 240V
Amps, 3-phase, 208V	500A
Amps, 3-phase, 240V	433A
Amps, 3-phase, 480V	216A
Amps, 1-phase, 120V	450A x 2 (225A x 2, 480V)
Amps, 1-phase, 240V	450A (225A, 480V)
Rated frequency-regulation	60Hz ±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
DIESEL ENGINE	
Make, model and type	ISUZU 6HK1
Emission certification	US EPA tier 4 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, 110% full fluid containment	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)
Trailer unit dimensions (L x W x H)	210.69" x 89.0" x 101.03" (5352 x 2261 x 2566 mm)
Trailer unit dry weight	11120 lbs (5044kg)

## POWER DISTRIBUTION

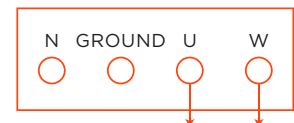
USABLE POWER OUTPUT UP TO 108 kW, AS SHOWN BELOW

SINGLE PHASE										
3 wire output terminal			GFCI receptacle				50A Twistlock receptacle			Total:
U-W	U-N	W-N	CON1	CON2	CON3	CON4	CON5	CON6	CON7	
240V	120V	120V	120V		120V		120/240V			108 [54]
108 [54]	54 [27]	54 [27]	2.4		2.4		12	12	12	

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



FOR SINGLE-PHASE 240V LOAD



FOR SINGLE-PHASE 120V LOAD

