

# DG8000E3 DIESEL GENERATOR 6.5kW

Professional 3-Phase Quick Operation Guide



## Technical Data

Power:	6.5kW max / 6.0kW nom.
Voltage:	400V 3-phase / 230V
Engine:	418cc Diesel, air-cooled
Fuel:	12.5L tank, 6.5h runtime
Consumption:	1.95 L/h
Oil:	1.65L CC/CD grade
Protection:	BSB1-30-P7

## Pre-Start Checklist

- ☐ Oil level OK (dipstick)
- ☐ Fuel level adequate
- ☐ Grounding connected
- ☐ All loads disconnected
- ☐ Area clear and ventilated
- ☐ Battery connected
- ☐ Fuel valve open

## Safety Requirements

- CARBON MONOXIDE HAZARD** - Use outdoors only!
- Keep 1.5m from buildings
- Ground properly before use
- Never refuel while running
- Allow 30min cooling before service
- Do not exceed rated capacity (6.5kW)
- Emergency stop button available

## Starting Procedure

- Ensure all loads disconnected
- Main breaker OFF
- Open fuel valve
- Turn key to ON position
- Cold start: Hold preheat 10-15 sec
- Turn key to START
- Warm up 3 minutes
- Main breaker ON
- Connect loads gradually

## Stopping Procedure

- Remove all loads
- Run unloaded 3 minutes
- Main breaker OFF
- Turn key OFF
- Close fuel valve
- Record operating hours

## Basic Maintenance

- Daily:** Check oil/fuel levels
- 20h:** First oil change (new unit)
- 100h:** Oil change, clean air filter
- 500h:** Replace air filter
- 1000h:** Major service
- Oil change: Warm engine 3min, drain, refill 1.65L

## Troubleshooting

### No Start

- Check fuel level
- Check battery charge
- Bleed fuel system
- Verify fuel valve open

### Poor Performance

- Clean air filter
- Check fuel quality
- Reduce overload
- Adjust governor

### No Power Output

- Check circuit breaker
- Test outlets
- Verify engine speed
- Check connections

### WARRANTY

1 year or 3000 hours  
Register within 30 days  
[www.fermetech.eu](http://www.fermetech.eu)

### EMERGENCY

Push emergency stop  
Turn key OFF immediately  
Close fuel valve

### MODEL INFO

Model: DG8000E3  
Use genuine parts only  
Keep manual accessible