



120KW

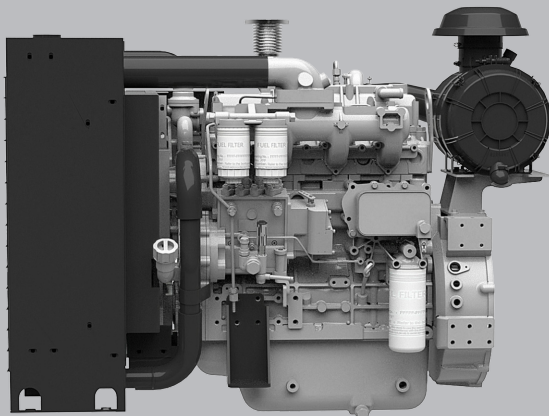
EU Stage II

4 cylinders

## FOGO GENSET ENGINE

### F0048-0142

Engineered for superior performance, the F0048-0132 delivers 104 kW of prime power with advanced turbocharged technology. This 4-cylinder 4.8L diesel engine combines high efficiency with robust construction for demanding power generation needs.



#### MAIN TECHNICAL PARAMETERS

Number of cylinders	4
Configuration	Vertical, in-line
Aspiration	Turbocharged, air/air intercooled
Combustion system	Direct injection
Compression ratio	17.5:1
Bore x Stroke	108mm x 132mm
Displacement	4.8L
Rotation	Counterclockwise (viewed from the flywheel end)
Fuel system	Mechanical
Governor	Electronic
Stability at constant load [ISO 8528-5 Class G3]	≤ +/- 0.5 %
50/60Hz switchable operation	NO
Electric system	12V
Tropical Radiator mounted on the engine	Ambient 50°C
Flywheel Housing	SAE3 /11.5"
Lubrication Oil capacity	17L
Coolant capacity	26L
Emission class compliance	EU Stage II

# THE ENGINE PERFORMANCE

## GROSS ENGINE OUTPUT 50HZ

PRP	120 kWm
ESP	132 kWm

## TYPICAL GENERATOR OUTPUT 50HZ

PRP	104 kWe
PRP	130 kVA
ESP	143 kVA

## FUEL CONSUMPTION

STANDBY [ESP]	212.4 g/kWh	33.6 L/h
PRIME [PRP]	206.8 g/kWh	29.7 L/h
75% PRP [prime]	199.8 g/kWh	14.4 L/h
50% PRP [prime]	199.8 g/kWh	21.5 L/h
HVO synthetic fuel acceptance		

# KEY FEATURES

## MAIN FEATURES

- ✓ Compact design
- ✓ Good power density
- ✓ Durability
- ✓ Easy service & maintenance
- ✓ Low fuel consumption
- ✓ Wide selection of optional equipment
- ✓ Low noise
- ✓ Tailored cooling pack

## STANDARD SCOPE OF SUPPLY

- ✓ Cast iron cylinder block c/w separate cast iron cylinder head
- ✓ Aluminum alloy pistons with gallery oil cooling
- ✓ Automatic belt tensioner, Lift eyes, Fixed front suspension
- ✓ Radiator installed on the engine with mechanical pusher fan, thermostatically controlled
- ✓ Large capacity oil pan, spin-on full-flow oil filter, oil dipstick
- ✓ Fuel injection pump for high inject pressure, P-type injectors
- ✓ Duplex fine fuel filter c/w water separator
- ✓ Air inlet preheater
- ✓ Side mounted turbocharger
- ✓ Rear mounted air filter with restriction indicator
- ✓ 12V DC electric system with 3.7kW starter
- ✓ 35A charging alternator
- ✓ Heat isolated exhaust manifold

# DIMENSIONS & WEIGHT

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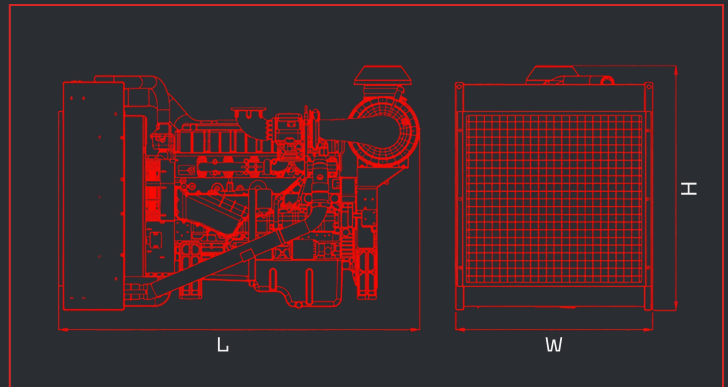
Including radiator (dry weight)

**1419**  
Length (mm)

**805**  
Width (mm)

**1057**  
Height (mm)

**541**  
Weight (kg)



### POWER DEFINITIONS:

ESP = STANDBY POWER

According to ISO8528 is maximum power available during variable electrical power sequence up to 200h of operation per year, permissible output over 24h operation should not exceed 70% ESP

PRP = PRIME POWER

According to ISO8528 is maximum power engine can deliver continuously for unlimited number of hours per year permissible output over 24h operation should not exceed 70% PRP

# FOGO.PL

# INTERNATIONAL WARRANTY

**PRIME POWER**  
2 years with  
no hours limitations

**STANDBY POWER**  
4 years or max. 1000 hrs  
not more than 300 hrs per year