



ONE BRAND. ONE POWER.

# TOTAL CONTROL

## FOGO GENSET ENGINE

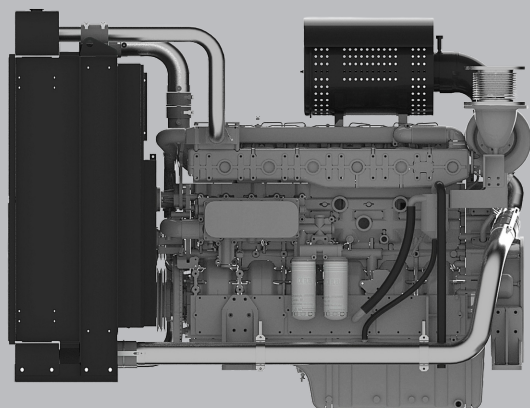
561KW

Stage III

6 cylinders

### F0196-0623

Engineered for superior performance, the F0196-0623 delivers 500 kWe of prime power with advanced turbocharged technology. This 6-cylinder 19.6L diesel engine combines high efficiency with robust construction for demanding power generation needs.



#### MAIN TECHNICAL PARAMETERS

Number of cylinders	6
Configuration	Vertical, in-line
Aspiration	Turbocharged and intercooled
Combustion system	Direct injection
Compression ratio	14:1
Bore × Stroke	152mm x 180mm
Displacement	19.6L
Rotation	Counterclockwise (viewed from the flywheel end)
Fuel system	Electronic pump injectors
Governor	Electronic
Stability at constant load [ISO 8528-5 Class G3]	≤ +/- 0.5 %
50/60Hz switchable operation	NO
Electric system	24V
Tropical Radiator mounted on the engine	Ambient 50°C
Flywheel Housing	SAE1 /14"
Lubrication Oil capacity	56L
Coolant capacity	130L
Emission class compliance	Stage III

# THE ENGINE PERFORMANCE

## GROSS ENGINE OUTPUT 50HZ

PRP	561 kWm
ESP	616 kWm

## TYPICAL GENERATOR OUTPUT 50HZ

PRP	500 kWe
PRP	625 kVA
ESP	688 kVA

## FUEL CONSUMPTION

STANDBY [ESP]	195.8 g/kWh	144.9 L/h
PRIME [PRP]	195.2 g/kWh	131.2 L/h
75% PRP [prime]	194.9 g/kWh	65.6 L/h
50% PRP [prime]	193.8 g/kWh	97.6 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 with mechanical pusher fan, thermostatically controlled
- ✓ Large capacity oil pan, spin-on full-flow oil filter, oil dipstick
- ✓ Electronic pump-injectors, Electronic governor
- ✓ Duplex fine fuel filter c/w water separator
- ✓ Air inlet preheater
- ✓ End mounted turbocharger
- ✓ Top mounted air filter with restriction indicator
- ✓ 24V DC electric system with two starters 7.5kW each
- ✓ 55A charging alternator
- ✓ Heat isolated exhaust manifold

# DIMENSIONS & WEIGHT

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Including radiator (dry weight)

**2257**

Length (mm)

**1585**

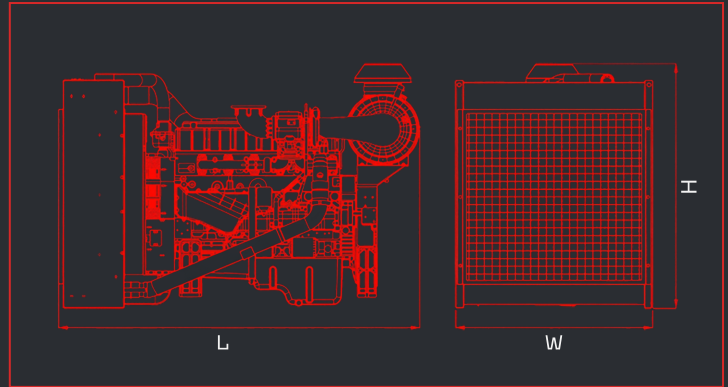
Width (mm)

**1801**

Height (mm)

**2630**

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