



12.4 MW HFO POWER PLANT WÄRTSILÄ 3 × 9L32 GENERATOR SETS

3 × approx. 4.14 MWe | 11 kV | 50 Hz | Year 2011



12.4 MWe
TOTAL CAPACITY

11 kV / 50 Hz
GENERATOR OUTPUT

3 × 9L32
HFO GENERATOR
SETS

**36,000 h / 36000 h /
4,000 h**
OPERATING HOURS

WÄRTSILÄ-MAINTAINED • INSTALLED & OPERATIONAL • AVAILABLE FOR INSPECTION

EQUIPMENT OVERVIEW

Operational HFO generation capacity with a complete auxiliary-system scope and Wärtsilä service history.

OPERATIONAL 12.4 MW HFO POWER PLANT

This Heavy Fuel Oil power plant was supplied by Wärtsilä in 2011 and comprises three Wärtsilä 9L32 generating sets. Each unit provides approximately 4.14 MWe at the current site conditions, giving a total installed generating capacity of 12.4 MWe at 11 kV and 50 Hz.

The plant has supplied electricity to a construction project. Two generating sets have been used for regular operation and have accumulated approximately 36,000 operating hours each, while the third unit has operated for only approximately 4,000 hours.

All maintenance has been performed by Wärtsilä Service since commissioning. The two main operating units have completed their scheduled 30,000-hour major service. The equipment remains installed, operational and in good condition, and includes the principal mechanical, fuel-treatment, cooling, compressed-air, exhaust, intake-air and control systems described in this brochure.

Photo 2



Photo 3



TECHNICAL SPECIFICATIONS

Technical data provided for preliminary sales and project evaluation.

PARAMETER	SPECIFICATION
Manufacturer	Wärtsilä Finland
Plant configuration	3 × Wärtsilä 9L32 HFO generating sets
Total generating capacity	12.4 MWe at current site conditions
Rated output per unit	Approx. 4.14 MWe at current site conditions
Generator voltage / frequency	11 kV / 50 Hz
Year of manufacture / supply	2011
Engine model	Wärtsilä 9L32
Number of generating sets	3 units
Primary fuel	Heavy Fuel Oil (HFO)
Operating hours - Units 1 and 2	Approx. 36,000 hours each
Operating hours - Unit 3	Approx. 4,000 hours
30,000-hour major service	Completed on the 2 main operating units
Maintenance history	Maintained by Wärtsilä Service since commissioning
Generator equipment	Synchronous generators with AVR and coupling
Mounting arrangement	Common base frames and flexible couplings
Control and protection	Engine control panels and protection systems
Current condition	Installed, operational and in good condition
Previous duty	Electricity supply for a construction project

Performance note: The stated output is based on the current site conditions. Final performance at a new location remains subject to ambient conditions, fuel quality, final plant configuration and agreed test procedures.

SCOPE OF SUPPLY & CONTACT

The following scope is based on the currently available sales information and remains subject to final confirmation.

INCLUDED EQUIPMENT

- ✓ 3 × Wärtsilä 9L32 HFO engines
- ✓ 3 × synchronous generators with AVR and coupling
- ✓ Common base frames and flexible coupling assemblies
- ✓ Lubricating-oil systems with pumps, filters and coolers
- ✓ Fuel-oil systems with transfer pumps, booster pumps and fine filters
- ✓ HFO purification system with centrifugal separators
- ✓ Jacket-water and charge-air cooling systems
- ✓ Cooling pumps, expansion tanks and heat exchangers
- ✓ Starting-air compressors, receivers and control valves
- ✓ Exhaust silencers and expansion bellows
- ✓ Intake-air filters and ducting
- ✓ Engine control panels and protection systems

DELIVERY & INSPECTION

- Equipment remains installed and operational
- Inspection and operational testing subject to seller and site approval
- Detailed battery limits and final equipment list subject to confirmation
- Dismantling, preservation, packing and transport may be arranged separately
- Reinstallation and destination-site integration are not included unless agreed
- Final commercial and delivery terms subject to contract

RELOCATION & SITE INTEGRATION

The final dismantling method, preservation standard, packing, transport, foundation design, fuel-treatment integration, cooling arrangement, exhaust system, electrical protection and grid connection must be engineered for the destination site and defined in the final contract.

REQUEST FURTHER INFORMATION

Commercial quotation, additional plant photographs, detailed scope clarification, technical documentation and inspection arrangements are available on request.

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SCAN FOR ONLINE LISTING

All information is provided in good faith for preliminary evaluation and is subject to verification, final scope confirmation and contract.