



**JADE Power Trading**  
Quality Energy Equipment

PRODUCT  
BROCHURE  
REF.  
10922026

## HFO DIESEL GENERATOR SETS - WARTSILA

### 12V32

### 2 × 4.0 MW / 11 kV / 50 Hz

HFO / LFO | ABB Alternators | Fully Operational



**8.0 MW**  
TOTAL OUTPUT

**2 pcs**  
GENERATING SETS

**11 kV**  
GENERATOR VOLTAGE

**20,000 h**  
SINCE MAJOR SERVICE

PROVEN MEDIUM-SPEED TECHNOLOGY • OEM-MAINTAINED • IMMEDIATE AVAILABILITY

# EQUIPMENT OVERVIEW

*Operational Wärtsilä medium-speed generator package with HFO / LFO fuel flexibility and ABB electrical equipment.*

## OPERATIONAL 8 MW WARTSILA HFO POWER PACKAGE

This power-generation package comprises two Wartsila 12V32 medium-speed diesel generator sets providing a combined output of 8.0 MWe at 50 Hz. The package includes one 12V32D and one 12V32E engine, each coupled to an ABB 11 kV / 5,000 kVA alternator.

The engines are configured to operate on Heavy Fuel Oil (HFO) and Light Fuel Oil (LFO), providing practical liquid-fuel flexibility for base-load, prime-power, standby and emergency-generation duties. The listed plant includes ABB VTR-394 turbochargers and a GEA Westfalia fuel-treatment system.

Both generator sets have been maintained according to OEM recommendations and remain in fully operational standby condition. Wartsila Service completed the scheduled 48,000-hour major service in 2016, after which the plant accumulated approximately 20,000 additional operating hours. The equipment is available for immediate inspection, sale and relocation.

Pic 2



Pic 3



# TECHNICAL SPECIFICATIONS

Technical data provided for preliminary sales and project evaluation.

PARAMETER	SPECIFICATION
Manufacturer	Wartsila Finland
Generator-set models	Wartsila 12V32D and Wartsila 12V32E
Number of generating sets	2 units
Rated output capacity	2 × 4.0 MWe
Total installed output	8.0 MWe
Frequency	50 Hz
Alternators	ABB 11 kV / 5,000 kVA / 50 Hz
Turbochargers	ABB VTR-394
Fuel type	Heavy Fuel Oil (HFO) and Light Fuel Oil (LFO)
Fuel-treatment system	GEA Westfalia
Manufacturing years	1989 and 1991
Current status	Standby condition, fully operational
Major service history	Wartsila 48,000-hour service completed in 2016
Hours since major service	Approximately 20,000 hours
Application	Base-load, prime, standby and emergency power generation
Electrical configuration	11 kV high-voltage generator output
Availability	Available for inspection, sale and relocation
Maintenance basis	Maintained according to OEM recommendations
Test status	No-load test video available through the online listing

**Performance note:** Final output, fuel consumption, emissions, auxiliary battery limits, site compatibility and relocation scope remain subject to technical verification 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

- ✓ 2 × Wartsila 12V32 medium-speed diesel engines
- ✓ 2 × ABB 11 kV / 5,000 kVA alternators
- ✓ ABB VTR-394 turbochargers
- ✓ GEA Westfalia HFO fuel-treatment system
- ✓ Engine-mounted and associated operating auxiliaries within the offered plant scope
- ✓ Control and protection equipment associated with the generating sets
- ✓ Installed plant systems required for current standby operation
- ✓ Available operating and maintenance documentation subject to final inventory

## DELIVERY & INSPECTION

- Both generator sets are fully operational in standby condition
- Wartsila 48,000-hour major service completed in 2016
- Approximately 20,000 operating hours since the major service
- Inspection and technical review available by arrangement
- Dismantling, packing, transport and recommissioning may be arranged separately
- Final battery limits and delivery terms subject to contract

## SITE INTEGRATION & POWER USE

The receiving site must verify HFO / LFO storage and treatment arrangements, cooling and ventilation requirements, exhaust routing, electrical interconnection at 11 kV, protection and synchronization philosophy, foundations, lifting requirements, and local environmental compliance. Final relocation, installation and commissioning should be engineered for the destination site.

## REQUEST FURTHER INFORMATION

Commercial quotation, additional photographs, operating information, technical documentation and inspection arrangements are available on request.

**Company:** JADE Trading Oy / JADE Power Trading

**Contact:** Mr. Jari Kartano

**Telephone:** +358 50 374 6777

**Email:** info@jade.fi

**Address:** Sörnäistenlaituri 5, Helsinki, Finland

**Reference ID:** 10922026

**Web:** www.jadepowerplants.com



SCAN FOR ONLINE LISTING

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