JADE Power Trading
Quality Energy Equipment

PRODUCT BROCHURE
REF. 10912026

MULTIFUEL 19.5 MW
WÄRTSILÄ CHP POWER PLANT

2 × 20V34DF | 11 kV | 50 Hz | Year 2021



19.5 MWe	11 kV / 50 Hz	Gas / HFO / LFO	Approx. 20,000 h
ELECTRICAL CAPACITY	GENERATOR OUTPUT	TRI-FUEL CAPABILITY	OPERATING HOURS

OEM-MAINTAINED • FULLY OPERATIONAL • AVAILABLE FOR IMMEDIATE RELOCATION

EQUIPMENT OVERVIEW

Modern OEM-maintained CHP capacity with tri-fuel operation and integrated steam recovery.

LOW-HOUR MULTIFUEL CHP POWER PLANT

This 19.5 MW combined heat and power plant is equipped with two Wärtsilä 20V34DF tri-fuel generating sets and exhaust-gas heat-recovery boilers. Manufactured in 2021 and commissioned at the end of 2022, the plant has accumulated approximately 20,000 operating hours since new.

All operation and maintenance activities have been performed by the Wärtsilä OEM Service team. The generating sets and auxiliary systems are reported to remain in excellent, near-new operational condition. The plant is fully operational, immediately available for relocation, and can be load-tested for qualified buyers.

The offered scope is capable of producing 19.5 MWe together with 9.5 tonnes per hour of saturated steam at 10 bar. The package also includes an original Wärtsilä spare crankshaft, scheduled 24,000-hour maintenance spare parts for both engines, original safety spare parts, complete special tools and full technical documentation.

Picture 2



Picture 3



TECHNICAL SPECIFICATIONS

Technical data provided for preliminary sales and project evaluation.

PARAMETER	SPECIFICATION
Manufacturer	Wärtsilä Finland
Plant configuration	2 × Wärtsilä 20V34DF generating sets
Plant type	Multifuel combined heat and power (CHP)
Manufacturing year	2021
Commissioning	End of 2022
Operating hours	Approx. 20,000 hours
Total electrical capacity	19.5 MWe
Rated output per unit	2 × 9,780 kW
Fuel capability	Natural gas / HFO / LFO
Steam capacity	9.5 t/h saturated steam at 10 bar
Heat rate - gas	8,038 kJ/kWhe
Heat rate - HFO	8,407 kJ/kWhe
Alternator manufacturer	ABB
Alternator rating	12,225 kVA per unit
Generator voltage / frequency	11 kV / 50 Hz
Engine control system	Wärtsilä UNIC
Operation and maintenance	Performed by Wärtsilä OEM Service team
Operational status	Fully operational; load test available
Availability	Available for immediate delivery / relocation

> **Performance note:** Final electrical and steam performance remains subject to ambient conditions, fuel quality, site integration, final battery limits 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 × Wärtsilä 20V34DF generating sets
- ✓ 2 × ABB 11 kV synchronous alternators
- ✓ Exhaust-gas heat-recovery boilers
- ✓ Associated plant auxiliaries within the offered scope
- ✓ Original Wärtsilä spare crankshaft
- ✓ 24,000-hour maintenance spares for both engines
- ✓ Original safety spare parts
- ✓ Complete set of original special tools
- ✓ Full original technical documentation

DELIVERY & INSPECTION

- – Fully operational and currently available
- – Load test available for qualified buyers
- – Detailed battery limits and final equipment list subject to confirmation
- – Dismantling, packing, transport and reinstallation may be arranged separately
- – Final commercial and delivery terms subject to contract

RELOCATION & SITE INTEGRATION

The plant is currently installed and operational. The final dismantling method, preservation, packing, transport, reinstallation, fuel supply, steam integration, electrical integration, protection and grid connection must be engineered for the destination site and agreed in the final contract.

REQUEST FURTHER INFORMATION

Commercial quotation, additional plant photographs, detailed scope clarification, technical documentation, inspection and load-test 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.