

JADE Power Trading
Quality Energy Equipment

PRODUCT
BROCHURE
REF.
10102026

KAWASAKI GAS TURBINE COGENERATION POWER PLANT

34 MW / 60 Hz

34 MW | 11 kV | 60 Hz | Year 2020



34 MW
ELECTRICAL OUTPUT

2462 kW
COOLING CAPACITY

2020
MANUFACTURED

APPROX. 20,000
h
RUNNING HOURS

INSTALLED & PRESERVED • LOW-EMISSION CHP • WITH ABSORPTION COOLING

EQUIPMENT OVERVIEW

High-efficiency 34 MW Kawasaki L30A cogeneration power plant with heat recovery and chilled water production.

MODERN KAWASAKI L30A CHP PLANT

This modern 34 MW Kawasaki L30A Gas Turbine Power Plant is a highly efficient and environmentally friendly cogeneration facility designed for industrial and utility-scale power generation. Manufactured in 2020 and maintained in excellent condition, the plant combines reliable electrical generation with heat recovery, achieving total fuel utilization efficiency of up to 85.5%. Operation was stopped in March 2024 and the plant has been preserved in accordance with Kawasaki Heavy Industries maintenance instructions.

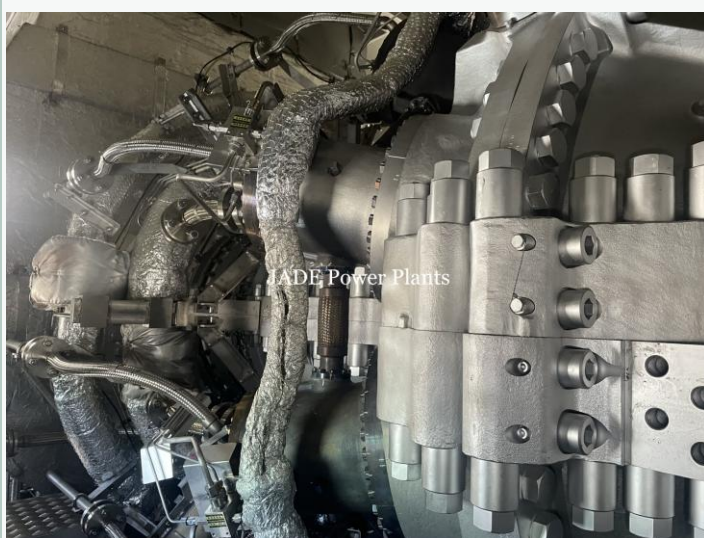
The plant is powered by a Kawasaki L30A two-shaft industrial gas turbine featuring a 14-stage axial-flow compressor, advanced Dry Low Emission (DLE) combustion system and high-efficiency turbine technology. The unit delivers approximately 34 MW electrical output with electrical efficiency of 41.3% while maintaining very low NOx emissions of approximately 15 ppm without water or steam injection. Major overhauls are typically required only every six years.

Power generation is provided through a Meiden synchronous generator rated at 37,945 kVA, producing electricity at 11 kV and 60 Hz. The cogeneration configuration also includes a Kawasaki absorption chiller utilizing recovered thermal energy to provide approximately 2.462 MW of cooling capacity, significantly improving overall plant efficiency and operating economics. The little-used 2020 plant represents an excellent opportunity to acquire a modern, high-efficiency and low-emission power generation asset.

Kawasaki L30A gas turbine CHP plant



Turbine / process equipment view



TECHNICAL SPECIFICATIONS

Technical data provided for preliminary sales and project evaluation.

PARAMETER	SPECIFICATION
Manufacturer	Kawasaki Heavy Industries, Japan
Model	L30A Gas Turbine CHP Plant
Manufacturing year	2020
Plant type	Gas turbine cogeneration power plant
Power output	34 MW / 11 kV / 60 Hz
Cooling capacity	2462 kW at 7°C
Fuel	Natural gas (kerosene for starts)
Running hours	With NG 19,596 h / with kerosene 439 h
Electrical efficiency	41.3 %
Total thermal efficiency	85.5 %
Gas turbine	Kawasaki L30A two-shaft industrial gas turbine
Combustion system	Dry Low Emission (DLE)
Generator	Meiden synchronous generator, 37,945 kVA
Voltage / frequency	11 kV / 60 Hz
Cooling system	Kawasaki absorption chiller
Cooling duty	Approx. 2.46 MW cooling capacity
NOx emissions	Approx. 15 ppm
Current condition	Installed and preserved
Application	Complete cogeneration (CHP) power plant

Performance note: Final site performance depends on ambient conditions, fuel quality, operating mode, auxiliary loads and agreed testing procedures. All technical data should be confirmed against detailed OEM documentation during due diligence.

MAJOR EQUIPMENT & CONTACT

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

MAJOR EQUIPMENT INCLUDED

- ✓ Kawasaki L30A two-shaft gas turbine package
- ✓ Meiden synchronous generator, 37,945 kVA / 11 kV / 60 Hz
- ✓ Dry Low Emission combustion system
- ✓ Heat recovery / cogeneration system
- ✓ Kawasaki absorption chiller for chilled water production
- ✓ Main electrical and mechanical auxiliaries
- ✓ Preservation maintained according to KHI instructions
- ✓ Installed complete cogeneration configuration
- ✓ Proven Japanese engineering and modular construction
- ✓ Additional information available for serious buyers

KEY ADVANTAGES

- High-efficiency 34 MW CHP configuration
- Approx. 85.5% total fuel utilization efficiency
- Very low emissions without water / steam injection
- Cooling production through absorption chiller
- Installed and preserved condition
- Low running hours for a 2020 plant
- Suitable for industrial and utility applications

DELIVERY & APPLICATIONS

This plant is well suited for industrial cogeneration, utility-scale power production, district energy schemes, large commercial facilities and other applications requiring efficient combined power and thermal energy production. Inspection and further technical information are available for qualified buyers.

REQUEST FURTHER INFORMATION

Commercial quotation, additional photographs, detailed scope clarification, 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: 101002026

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.