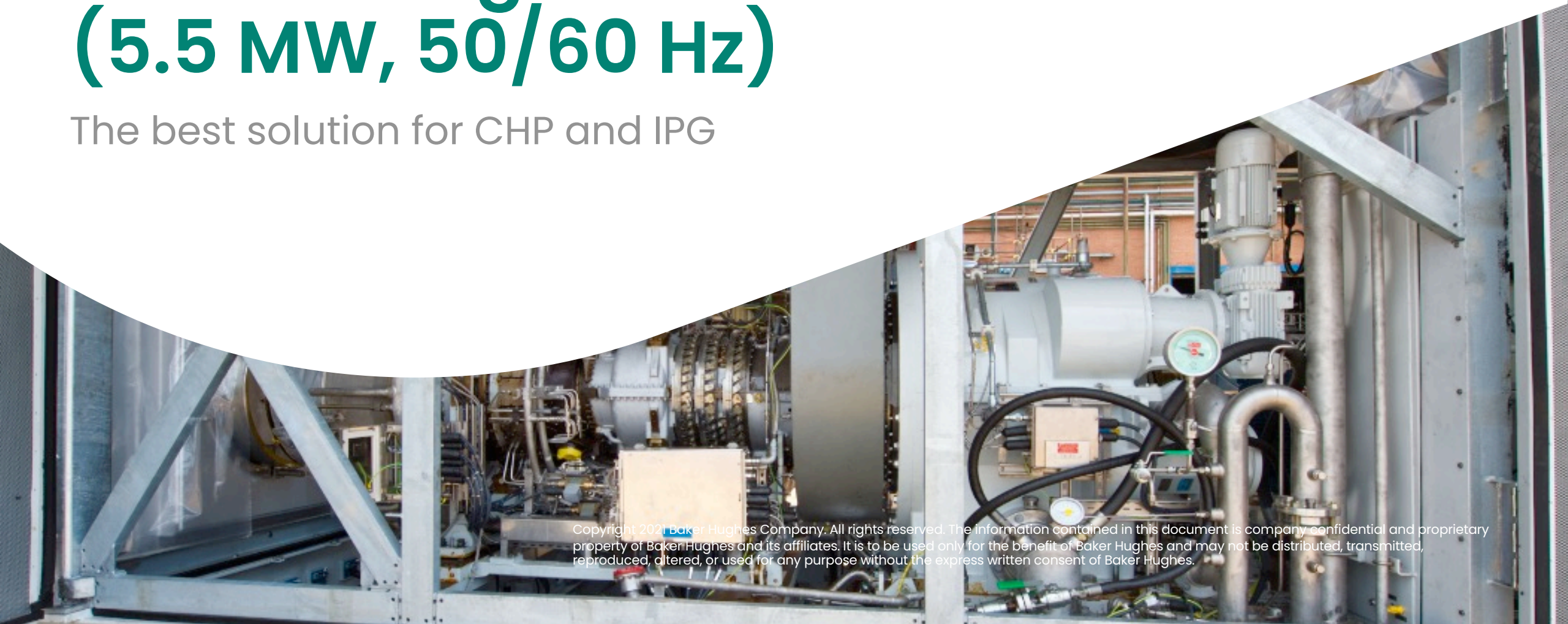


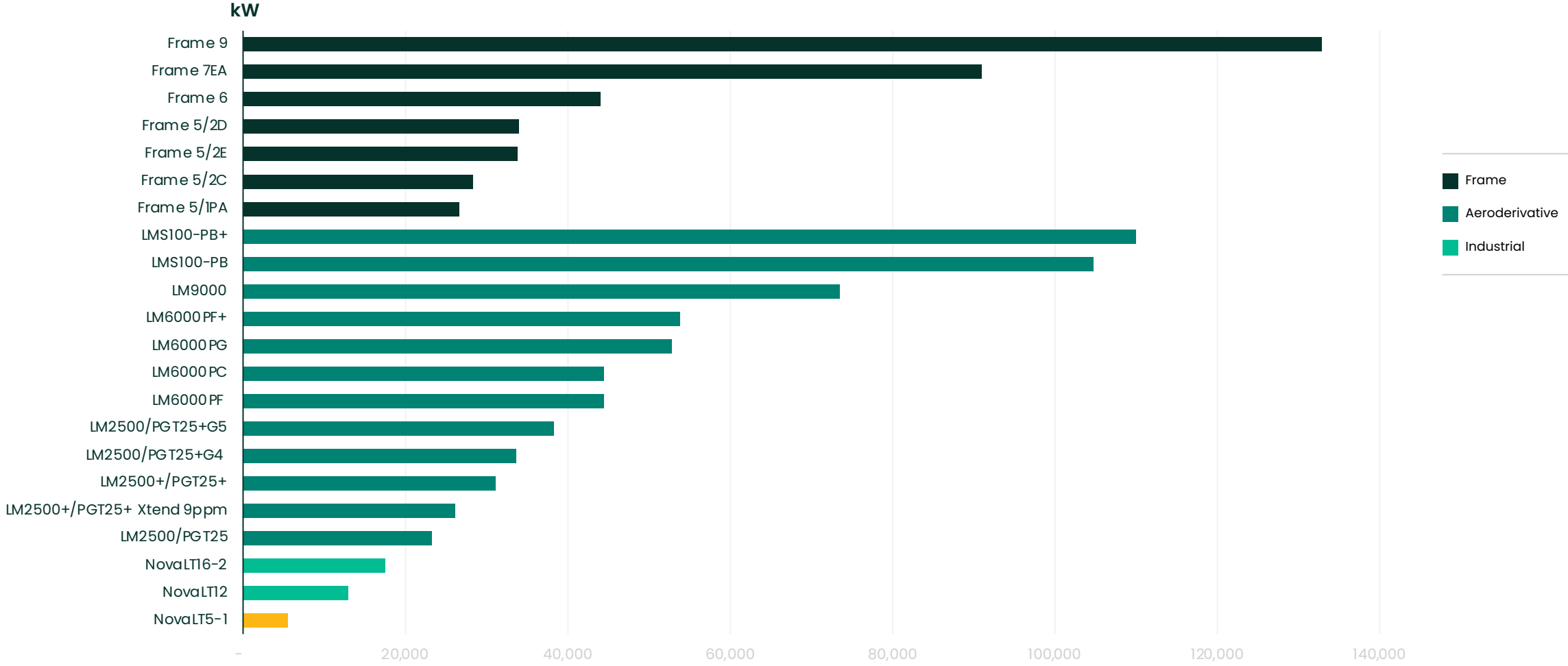
NovaLT5-1 gas turbine (5.5 MW, 50/60 Hz)

The best solution for CHP and IPG



Copyright 2021 Baker Hughes Company. All rights reserved. The information contained in this document is company confidential and proprietary property of Baker Hughes and its affiliates. It is to be used only for the benefit of Baker Hughes and may not be distributed, transmitted, reproduced, altered, or used for any purpose without the express written consent of Baker Hughes.

Industry leader in gas turbine technology



NovaLT5-1

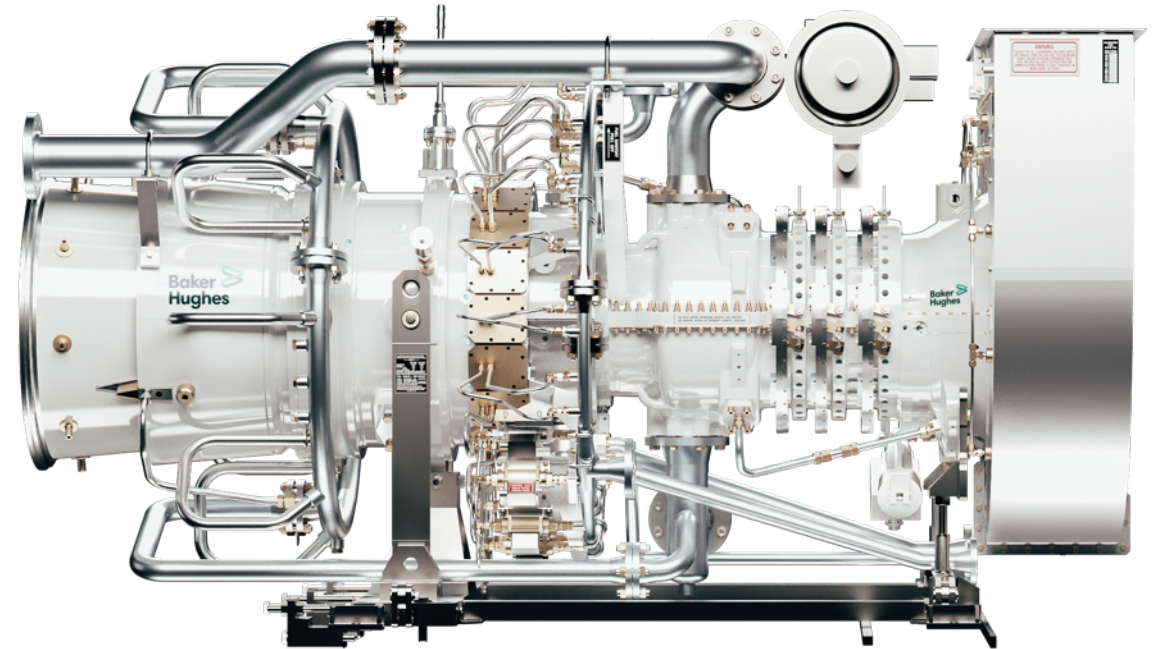
Maximum availability and lowest cost

Building on innovations from our NovaLT™ 12 and 16 gas turbines, the NovaLT5-1 is based on technology that's been well-proven in applications around the world with over 450,000 total operating hours—including approximately 80,000 for the fleet leader.

NovaLT5-1 is the best choice for power generation and combined heat and power both in industrial and oil and gas applications.

Key features

- Output: 5,500 KWe
- Electrical efficiency: 29.5%
- Highest thermal exhaust energy with highest efficiency (85%) in combined heat-power cycle
- Highest exhaust temperature for high-quality steam
- Low NOx emissions in the operating range of 50% to 100% load and ambient temperature from -20°C to 40°C



Package

The NovaLT5-1 package is the best solution for power generation and CHP applications.

Installation

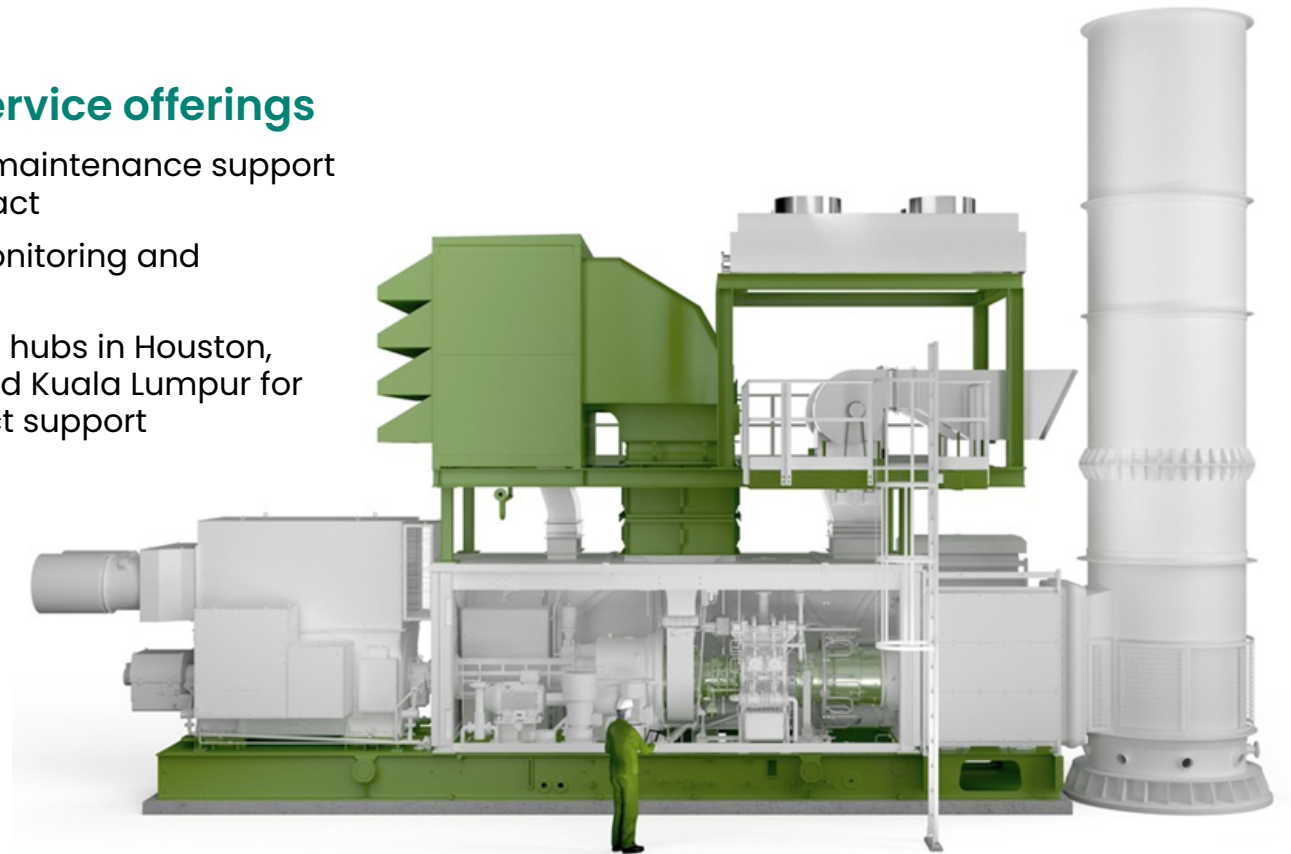
The NovaLT5-1 follows the Baker Hughes New Installation Philosophy developed for small power turbines. The single-lift package comes with top module already assembled, plus loop checks and flushing already done in our factory to enable installation in just 30 working days.

Maintenance

- Higher availability, longer uninterrupted run, lower maintenance costs, fast engine swap
- No intermediate boroscopic inspections required
- Hot gas path: 24,000 hours/900 starts
- Major inspection: 48,000 hours/1,800 starts

Multiple service offerings

- From base maintenance support to full contract
- Advisory monitoring and diagnostics
- 3 dedicated hubs in Houston, Florence, and Kuala Lumpur for 24/7 product support

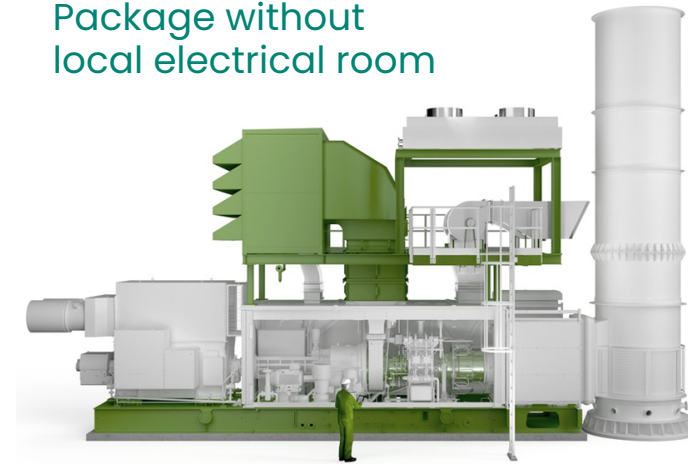


Package

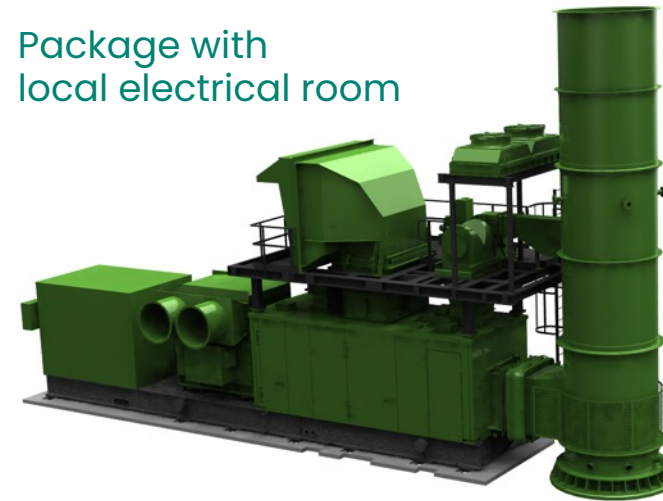
Key features

- Single-lift main skid includes gas turbine, generator, main auxiliary
- All systems are installed on a small footprint: 14 x 2.5 m (with local electrical room on skid), or 11.9x2.5 m (without local electrical room)
- RIO panel on-skid and control panel in control room (without local electrical room)
- Only 3 electrical cable connections (power, electrical generator, and control) for simplified plant interconnection (with local electrical room)
- Filter house, ventilation system, and ducting are installed on a single lift pre-assembled top module without impact on footprint
- Negative-pressure ventilation: 1 x 100% fan
- Fuel-gas system with two electrically actuated regulating valves
- Starting system: low-voltage electric motor with VFD
- Load gearbox integrated with gas turbine
- Exhaust interface: square and round options available

Package without local electrical room



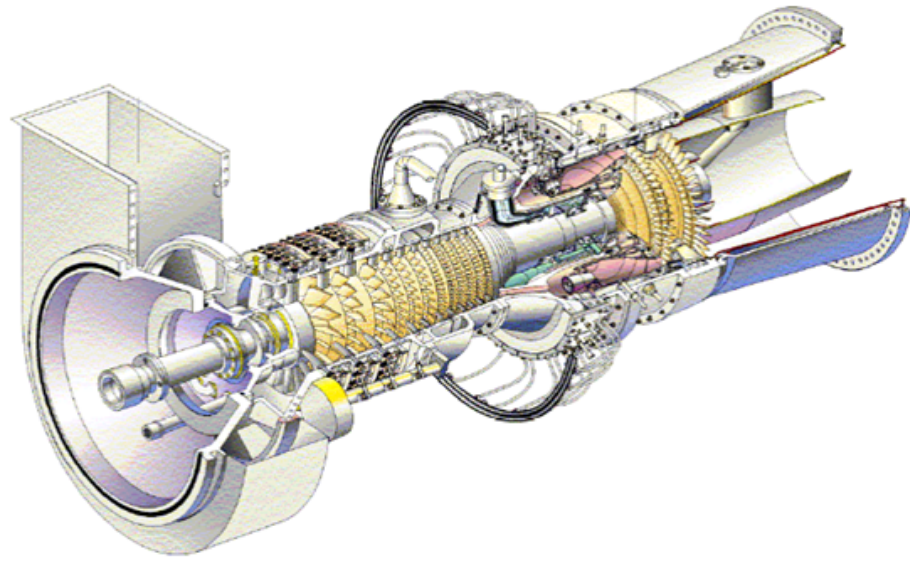
Package with local electrical room



Datasheet

Power generation

Power	MWe	5.5
Efficiency	%	29.4
NOx	ppm	15
Exhaust	°C	580
Speed	rpm	16,630



- Axial compressor with extended operability and high efficiency at partial loads
- DLN annular combustor technology, 18 fuel burners. Premixed and pilot fuel lines for each burner. Staging valves to optimize the emissions at partial load
- Two-stage turbine. Stage reaction, first stage air-cooled
- Wide fuel flexibility ranging from low to high reactive fuels
- Up to 30% hydrogen burnability in dry low emission mode

Main inspections

HGP	hrs	24,000
Major insp.	hrs	48,000

Package

LxWxH	m	14x2.5x7.9 (local electrical room) 11.9 x 2.5 x4.9 (no local electrical room)
Speed	kg	65,000

ISO conditions with natural gas fuel, ambient temperature 15°C, no inlet or exhaust losses, sea level, 60% relative humidity.
Mechanical package dimensions driven equipment excluded,