

CASE STUDY

Active Magnetic Bearing (AMB) Skid Package

LAT 539 Magnetic Bearing Expander-Compressors

L.A. Turbine designed two identical magnetic bearing **L3000 Turboexpander-Compressor** packages for use in a centralized gas processing facility that will produce up to 170,000 barrels of oil per day. Each package consists of an expander-compressor unit with a seal gas system and a remote PLC-based control system with HMI display. The units are designed to handle high pressure in a plant processing capacity of 200MMSCFD.



Your On-Call Turboexpander Experts

Contact us today for
turboexpander design,
repair or 24/7/365
support services.

24/7/365
+1 855 FX-TURBO

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Specifications

Frame Size	L3000
Speed	30,000 RPM
Capacity	85 MMSCFD
Inlet Pressure/Temperature	80 BAR A/30°C
Outlet Pressure/Temperature	20 BAR A/-23°C
Wheel Power (maximum)	~3,000 HP
Standards Compliance	API 617


Rethinking Turboexpanders

www.LATurbine.com

L.A. Turbine designs and manufactures application-specific, highly engineered turboexpanders used in hydrocarbon processing, geothermal power generation and other industrial power recovery or refrigeration applications.

The company is also a recognized leader in aftermarket repair, redesign, maintenance and production of spare parts for all brands and configurations of turboexpanders worldwide.

A global field service team provides diagnostics, maintenance and emergency support 24/7/365.

24/7/365
Support Services

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Turboexpanders

Turboexpander configurations include expander-compressor, expander-generator, expander-dyno (oil brake) and expander-compressors with active magnetic bearing units. Turboexpanders range from 3kW to 14MW, are capable of handling up to 3,000 PSIG pressure, can operate at speeds up to 105,000 RPM, and accommodate temperatures between -195°C to 260°C.

Ability to Deliver

From concept to commissioning, L.A. Turbine controls and manages the entire design, engineering manufacturing, assembly and testing process for all new and aftermarket equipment. As a result, we are able to deliver faster-to-market customized solutions than competitive firms, and our equipment not only meets but often exceeds clients' output performance requirements. All engineering design and development processes comply with ISO 9001:2008.

Global Presence

L.A. Turbine has established a global presence on five continents, in 16 world offices and partner locations. U.S. headquarters and manufacturing is located in Valencia, California, with sales and service facilities in California, Texas and Belgium. U.S. operations also support the needs of Canada, South America, Asia and Australia. European headquarters in Belgium serve Europe, the Middle East and Africa.

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