

CASE STUDY

Turboexpander Design

LAT529EC Turboexpander-Compressor

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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L.A. Turbine designed and manufactured this standard package turboexpander-compressor for use in ethane recovery at a gas processing plant in Texas, USA. Built on a L.A. Turbine L2000 frame, LAT529EC features a single-stage expander-compressor with oil bearing.

Specifications

Frame Size	L2000
Speed	42,000 RPM
Flow Rate	14.22 MMSCFD
Inlet Pressure/Temperature	758.3 PSIA/-46.2°F
Outlet Pressure/Temperature	289.7 PSIA/-110.8°F
Wheel Power	284 hp


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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L.A. Turbine: Your On-Call Turboexpander Experts

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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