Licensing Heat Pump Turbine

Infinity Turbine LLC

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https://www.infinityturbine.com/licensing-cavgenx-combined-heat-pump-and-orc-turboshaft-for-process-cooling-and-hydraulic-power.html

Licensing technology

This webpage QR code

PDF Version of the webpage (maximum 10 pages)

Licensing

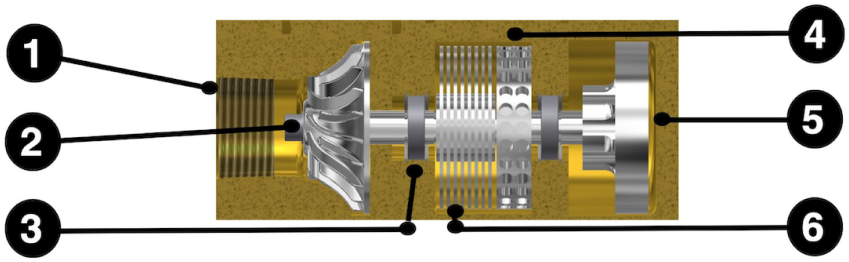
Basic turbine and compressor design license.

Please call or email for licensing full application and system prices.

Industrial applications and exclusive territories are available as an option.

AI processor cooling licensing is still available.

Cavgenx
Heat Pump Turbine
Hydraulic Power Unit
Process Cooling



1. Variable Exit Port: The entire assembly is part of a modular block system. The exit port is variable, which can accommodate a variety of flow rates.
2. Turbine (Expander): We offer a host of expanders, including inflow radial, radial impluse, and our hybrid turbine.
3. High Speed Bearings: Ceramic or equivalent bearings that can last up to 100,000 hours. Larger units may use magnetic bearings.
4. Cavitation Disc: Provides pre-heating of liquid being pumped.
5. Magnetic Coupling: Our proven axial (pancake) type coupling.
6. Disc Pump: Tesla disc type pump which works well for viscous fluids.

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INFINITY TURBINE	**CavGenX Heat Pump Turbine**	20231124	Infrastructure and component Patent US7726331B1 Valid until 2029
	Technology Available for License	Copyright 2023 - Infinity Turbine LLC	

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Technology Readiness Level for Cavgenx

As defined by NASA, the TRL for this project is at or above a 5.

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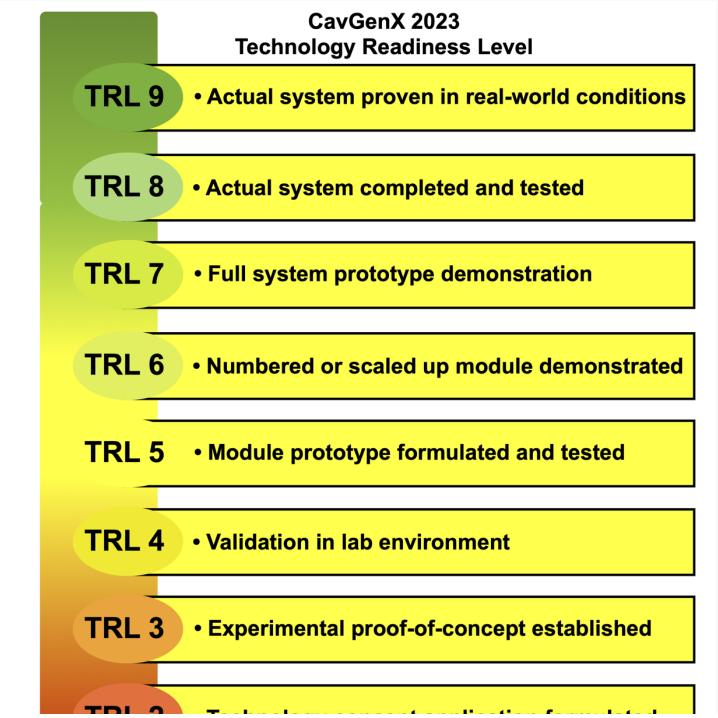

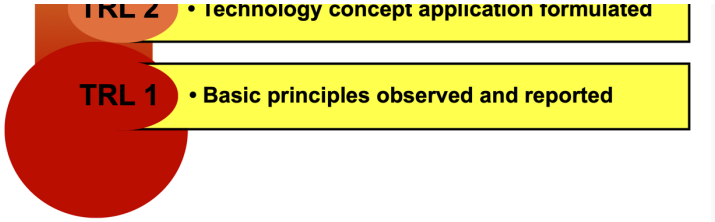

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Cavgenx
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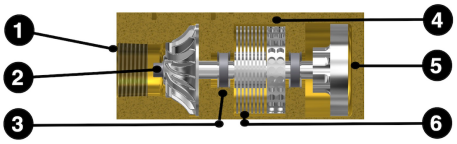

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