608-238-6001 [TEL]



outflow-turbine-6inch-diameter -10hp-expander-

model-rot06-radial-

ROT06 Radial Outflow Turbine ORC

Infinity Turbine

Structured Data



greg@infinityturbine.com [Email]

This webpage QR code

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AssemblyWorking Fluid: Refrigerants, water, and CO2Working Pressure: Less than 300 psi. Certification: Experimental. Not ASME certified as is.Drawings Provided: As is. Machine: ORC and ROT Radial Outflow Turbine SystemIndustry: EnergyApplications: Waste heat to power, utilities, server farms, bitcoin mining, hot geothermal. High Technology Uses: Converting waste heat to power. Machine Features: One moving part. Machine Runs On: Air, and some refrigerants, such as R245. Can be converted to a CO2 turbine with proper engineering enhancements with materials and seals which can withstand ASME coded materials and construction for 2,000 psi or more.Real World Testing: This turbine has been built and tested with air (15-100 psi) and R245fa under pressure (300 psi or less). Experimental. Seals: Gruvlok or Victaulic couplings which allow turbine to be mounted to a common shaft generator within one assembly. Other Applications: Can be run as a expander or extractor.Bearings: Uses motor bearings.

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Company Name: Infinity Turbine LLC

Product: ROT 06 Turbine Generator Assembly Working Fluid: Refrigerants, water, and CO2 Working Pressure: Less than 300 psi.

Certification: Experimental. Not ASME certified as is.

Drawings Provided: As is.

Machine: ORC and ROT Radial Outflow Turbine System

Industry: Energy

Applications: Waste heat to power, utilities, server

farms, bitcoin mining, hot geothermal.

High Technology Uses: Converting waste heat to power.

Machine Features: One moving part.

Machine Runs On: Air, and some refrigerants, such as R245. Can be converted to a CO2 turbine with proper engineering enhancements with materials and seals which can withstand ASME coded materials and construction for 2,000 psi or more.

Real World Testing: This turbine has been built and tested with air (15-100 psi) and R245fa under pressure

(300 psi or less). Experimental.

Seals: Gruvlok or Victaulic couplings which allow turbine to be mounted to a common shaft generator within one assembly.

Other Applications: Can be run as a expander or extractor.

Bearings: Uses motor bearings.

PDF Version of the webpage (first pages)

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ROT 06 Turbine Design



ROT06 Turbine Generator Plans and Blueprints

The ROT06 is a good turbine for the IT10 system platform.

Pricing: Please refer to price list or email Infinity.

4/15/2024

Plans Download:

The plans include images of each component in (jpg/png) and .pdf views.

The machine ready files include dwg, dxf, xt and we can provide other files on request from our AutoDesk suite of Cad/Cam software.

The files are provided by a FTP download.

The license is for the turbine blueprints only, and does not include any support (optional).

If you would like system blueprints (bill of materials, heat exchangers, pump motor, frame, piping, etc.) for our Supercritical CO2 or standard R245fa, or R134a, please contact Infinity.

4/15/2024













