



rot12

Infinity Turbine
LLC

Model ROT12 Radial Outflow Turbine by Infinity Turbine

Structured Data

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  {"@context":"http://schema.org",
   "@type":"WebPage",
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  "name":"Model ROT12 Radial Outflow Turbine by Infinity Turbine",
  "description":"Company Name: Infinity Turbine LLC
  Product: ROT 12 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.

Company Name: Infinity Turbine LLC
Other Applications: Can be run as a expander or extractor.

Product: ROT 12 Turbine Generator Assembly
Bearings: Uses motor bearings.

Working Fluid: Refrigerants, water, and CO2
Systems: This has been used with a 10kW system. "

Working Pressure: Less than 300 psi.

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ROT12 Radial Outflow Turbine DC Generator

The ROT12 Radial Outflow Turbine with DC Generator was designed for the IT10 system.

Plans: \$10,000 USD.

Fully built ROT12 is \$16,000 USD. Includes crate and shipping to any North America location. Also included is an additional 10 kW PMA generator.

9/5/2021



9/5/2021



9/5/2021



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IT10 ROT 12 ORC Turbine

The IT10 ROT 12 ORC turbine was designed for refrigerants such as R245fa.

9/5/2021



9/5/2021































