

5/9/2024

608-238-6001 [TEL]

greg@infinityturbine.com [Email]



Infinity Turbine
LLC

model-rot12-radial- outflow-turbine-12- inch-diameter -20hp-expander- generator from

ROT12 Radial Outflow Turbine ROT ORC

Structured Data



This webpage QR code

```
<script type="application/ld+json">
{
  "@context": "http://schema.org",
  "@graph": [
    {
      "@type": "Organization",
      "@id": "https://infinityturbine.com/#organization",
      "name": "Infinity Turbine LLC",
      "url": "https://infinityturbine.com",
      "sameAs": [
        "https://www.youtube.com/channel/UCsobpyv0xqc13uvhA71Cv4w",
        "https://x.com/InfinityTurbine",
        "https://www.instagram.com/infinityturbine/"
      ],
      "telephone": "608-238-6001",
      "email": "greg@infinityturbine.com",
      "logo": "https://infinityturbine.com/logo.png"
    },
    {
      "@type": "WebSite",
      "@id": "https://infinityturbine.com",
      "url": "https://infinityturbine.com",
      "name": "ROT12 Radial Outflow Turbine ROT ORC",
      "description": "Company Name: Infinity Turbine LLCProduct: ROT 12 Turbine Generator  
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.Systems: This has been used with a 10kW system."
    },
    {
      "@type": "NewsArticle",
      "mainEntityOfPage": {
        "@type": "WebPage",
        "@id": "https://infinityturbine.com/model-rot12-radial-outflow-turbine-12-inch-diameter-20hp-  
expander-generator-from-infinity-turbine.html"
      },
      "headline": "ROT12 Radial Outflow Turbine ROT ORC",
      "image": "https://infinityturbine.com/images/IT10-ORC-system.jpg",
      "datePublished": "2024-05-09T08:00:00+08:00",
      "dateModified": "2024-05-09T09:20:00+08:00",
      "author": {
        "@type": "Organization",
        "name": "Infinity Turbine LLC",
        "url": "https://infinityturbine.com"
      },
      "publisher": {
        "@type": "Organization",
        "name": "Infinity Turbine LLC",
        "logo": {
          "@type": "ImageObject",
          "url": "https://infinityturbine.com/logo.png"
        }
      }
    },
    {
      "@type": "Product",
      "name": "Infinity Turbine IT10  
ROT12 Turbine Generator",
      "image": "https://infinityturbine.  
com/images/IT10-ORC-system.jpg",

```

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.
Other Applications: Can be run as a expander or
extractor.
Bearings: Uses motor bearings.
Systems: This has been used with a 10kW system.

PDF Version of the webpage (first pages)

<https://infinityturbine.com/model-rot12-radial-outflow-turbine-12-inch-diameter-20hp-expander-generator-from-infinity-turbine.html>

ROT12 Radial Outflow Turbine DC Generator

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

Plans: \$10,000 USD. Turbine plans come with an unlimited build license, unless part of a Technology Guide special, in which case one build is included.

Fully built ROT12 includes crate and shipping to any North America location. Also included is an additional 10 kW PMA generator.

IT10 Revenue based on gross sales or grid savings, not including cost of acquiring waste heat flow or pumps.

Revenue from IT10 (24 hours x 365 days per year x 10 kWh = 87,600 kWh per year):

at \$.20 per kWh = \$17,520 USD per year

at \$.40 per kWh = \$35,040 USD per year

at \$.80 per kWh = \$70,080 USD per year

5/9/2024

IT10 ROT 12 ORC Turbine

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

5/9/2024
