

1/22/2025

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model-it-micro-radial-orc-by-infinity-turbine

**Infinity Turbine
LLC**

IT Micro Radial ORC for Waste Heat to Energy Applications by Infinity Turbine



This webpage QR code

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Company Name: Infinity Turbine LLC
 Product: IT Micro Radial
 Applications: ORC
 Construction: Aluminum, Stainless Steel, 3D Metal, or cast composites
 Uses: Organic Rankine Cycle miniature power production from waste heat.

PDF Version of the webpage (first pages)

<https://infinityturbine.com/model-it-micro-radial-orc-by-infinity-turbine.html>

IT Micro Radial Turbine

The IT Micro Radial Turbine is designed for small scale power production for the home or low power applications (less than 5 kW).

Working Fluid: R-245fa, R-134, Compressed Air, pressurized water, and a Stainless Steel version with CO₂.

Modular Block Assembly: Used since 2008, our Modular Block concept has been used in hundreds of turbine prototypes and production assemblies. This version uses square blocks with 3/8 fasteners and threaded bores.

Purpose: Small power production.

Rapid-Configuration: This assembly allows you to quickly configure turbines and test various working fluids and heat sources. The basic design is for 300 psi or less, which is determinant on the back magnetic coupling block which is made from HDPE. If you can make from nonmagnetic metal or composite fiber for a thicker (stronger) back, then you can use flows with greater pressure.

Magnetic Coupling: The design has a basic 2 inch diameter magnetic coupling and follower, which allows you to have a generator or drive unit mounted exterior.

Plans and licensing available.

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