



it50system

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Infinity Turbine
LLC

IT50 Waste Heat to Power System by Infinity Turbine

Structured Data

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Company Name: Infinity Turbine LLC
 Product: IT50 System Plans
 Working Fluid: Refrigerants such as R245fa
 Machine: ORC and ROT Radial Outflow Turbine System
 Industry: Energy
 Applications: Waste heat to power, utilities, server farms, bitcoin mining, hot geothermal

PDF Version of the webpage (first 10 pages)

This webpage QR code

<https://infinityturbine.com/it50system.html>

IT50 System Plans

Infinity offers both the ROT turbine plans and the IT50 system plans as a separate package.

We recommend the ROT24 for the IT50, even if it is derated.

Design Heat Exchangers ASME Rated Pressure - Evaporator R-245fa: 450 psi at 300 F shell side, and 150 psi 300 F on tube side. Welding procedures included. Condenser R-245fa: 450 psi at 250 F shell side, and 150 psi 250F on tube side.

Turbine may be used most efficiently at 50 kW, but may also be used for a range of turbines from 30 kW to over 100 kW.



Build Plans

Infinity offers a incredible plans package, which allows you to build plans for \$10,000 USD and then build out one system. If you like it, then you can purchase a licensing package.

This system allows you to try before you buy.

All licensing allows you to scale up or down in sizes, which allows you to build smaller systems, or number up for larger system capacities.



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