

Tecochill®

The Driving Force in Cooling

Natural Gas Engine-Driven Chillers Packaged Air-Cooled RT Series - 50 Tons

Key Features & Benefits

- Cut Operating Costs by 50%
- Reduces Carbon Footprint by Half
- Avoids On-Peak Electric Demand Charges
- Manufacturer Turn-Key Installation Available
- Nationwide Factory Service & Support
- Free Engine Heat Recovery
- ETL Listed
- Internet-based Remote Monitoring Control System
- Integrated Engine & Exhaust Heat Recovery
- Powered by Clean, Economical Natural Gas
- Utility and State Incentives Available in Some Areas



Tecogen's RT Series Gas Engine-Driven Chillers provides a reliable economic answer for packaged air-cooled applications for as little as one-third the operating cost of electric chillers. The entire TECOCHILL line of environmentally friendly product is manufactured in the USA.



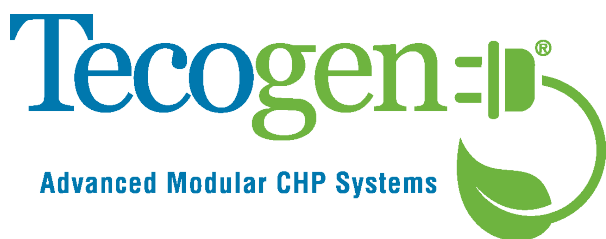
Tecogen products are covered under one or more of the following U.S. patents: 8,578,704 · 7,239,034 · 7,243,017 and other patents pending

- TecoDrive 7400™ Natural Gas Engine
- 6 Cylinder Open-Drive Reciprocating Bitzer Compressor
- Footprint of 18'4"L x 7'11"W x 5'6"H
- Combines variable engine speed operation with compressor cylinder unloading to provide capacity modulation from 30% to 100% of load
- Low ambient control option is available for operation below 50°F
- Low-speed fan option available
- TecoNET™ Microprocessor-based Control System with precise PID Control for fully automatic operation, continuous system monitoring, digital display, fault diagnostics, and tie-in to an energy management system
- Remote Monitoring and Control System (RMCS) that permits remote real-time monitoring, data acquisition, and system control by telephone
- Up to 55 kW of electric demand savings over comparable electric condensing units/chillers

AIR-COOLED CHILLERS	<i>Specifications¹:</i>	<i>CH-50 ACP</i>	<i>CU-50</i>
	Full Load Output: (tons @ 95° F Amb)	50	58
	Fuel Input (Full Load): (SCFH)	668	682
	Fuel Pressure:	4-12" wc	4-12" wc
	Heat Recovery: (BTU/HR)	175,000	183,000
	Efficiency: (COP at Full Load ²) (IPLV ²)	0.88 1.10	1.02 1.19
	Acoustic Level: (dbA at 3 meters at Full Load)	78	78
	Operation Weight: (lbs)	8300	6900
	Refrigerant:	R404a	R404a
	Chilled Water Flow: (gpm)	120	N/A
	Chilled Water Supply Temp: (°F)	44°F	N/A
	Saturated Suction Temp: (°F)	N/A	45°F
	Dimensions:	18'4" long x 7'11" wide x 5'6" high	
	Electrical Requirements:	208-230 /460 12kW 3-phase/3-wire 50 / 60 Hz	
Controls:	<ul style="list-style-type: none"> •Microprocessor based •Fully automatic start-up, monitoring, load following & shut-down •Programmable setpoints, diagnostics, digital display & remote monitoring 		

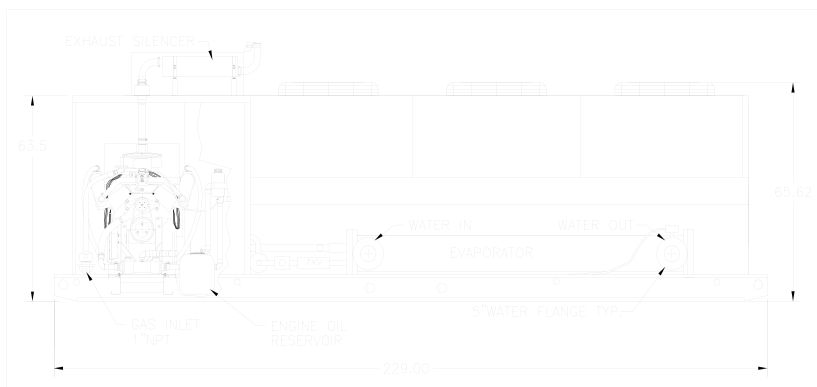
NOTES:

1. Specifications subject to change without notice, all specifications are ± 5%.
2. COP ratings are based upon Fuel Higher Heating Value (HHV) @ 1020 BTU/SCF



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The Industry Leader in Gas Cooling



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