

TECOCHILL[®] Gas Engine Driven Chillers

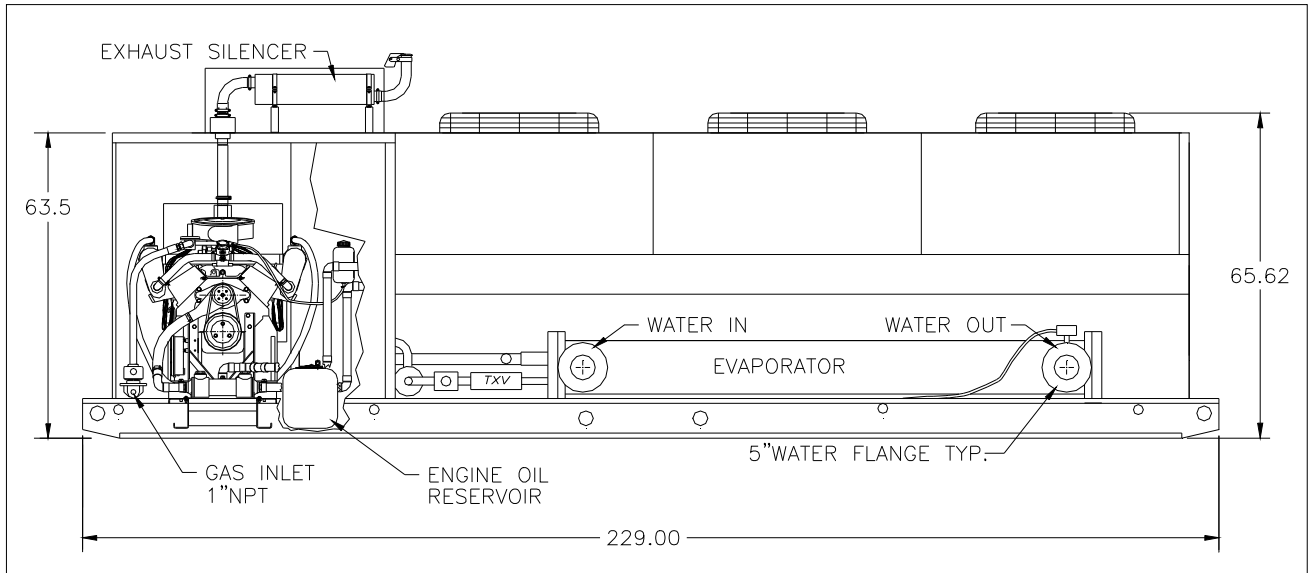
RT Series - 50 Tons Packaged Air-Cooled Chiller

Key Features & Options

- 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 Handheld Display 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



Tecogen's RT Series Gas Engine-Driven chillers provide 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 products is manufactured in the U.S.A.



Specifications¹:	CH-50 ACP	CU-50
Full Load Output: (tons @ 95° F Amb)	50	58
Fuel Input (Full Load): (SCFH)	668	682
Fuel Pressure:	7" - 14" WC	7" - 14" 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

TECOGEN  **TECOHILL®**
TECOGEN®
 Natural Gas Engine-Driven Products  **INVERDE™**

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