



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

## Key Features & Benefits

■ Costs by 50%

■ Payback by Half

■ Low Operating and Charges

■ No Fuel or Maintenance Available

■ Full ETL Listed

■ Internet-based

■ Integrated

■ Powered by Clean, Eco

■ Utility and State Incentives



Weights: 8,578, 704, 7,211, 6,471

- 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	Specifications <sup>1</sup> :	CH-50 ACP	CU-50
	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 <sup>2</sup> ) (IPLV <sup>2</sup> )	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:	•Microprocessor based •Fully automatic start-up, monitoring, load following & shut-down •Programmable setpoints, diagnostics, digital display & remote monitoring	

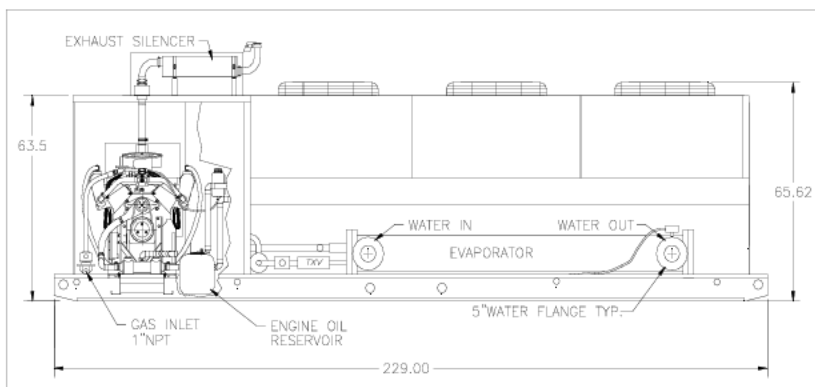
**NOTES:**

1. Specifications subject to change without notice, all specifications are  $\pm 5\%$ .
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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