

FELICE *Natural Gas Engine-Driven Chillers Packaged Air-Cooled TRT 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
- 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
- Nationwide Factory Service & Support
- Free Engine Heat Recovery



TRT 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.

- FELICE Drive KR7400 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
- KRNET™ 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

| Specifications¹: | KRCH-50 ACP | KRCU-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: | 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

