

Microcontroller Solutions for OEM or Retrofit Sensors, EXV's, Touchscreens & Network Adaptors

CONTROLS FOR HVAC/R Chillers, RTU and Plant Managers Upgrade Existing Systems Commercial / Industrial Applications VFD (Variable Frequency Drives)

MCS-CENTRIFUGAL *Control Enclosure Features* *Upgrade your Centrifugal chiller controls*

- **BMS Connectivity** – Field selectable for Hardware or Network connection
- **MCS-Touch-15.4** with graphics, service tools, alarm alert history/emails/SMS, extend history



CHILLER PLANT MANAGER *Complete Plant Controls*

- Network or Hardwired connectivity up to 10 Chillers with MCS-Magnum controllers
- Control for multiple chiller water pumps, with primary/standby, rotation, variable speed
- Control for multiple cooling towers with primary/standby, rotation, variable speed

MCS-Magnum-Touch 15.4 & 7

Support for Chiller, Condensing Unit, Packaged Roof Top Units

- Support for up to 20 compressors
- Support for Screw, Scroll, Reciprocating, Centrifugal w/Variable Frequency Drive
- Custom Graphics using MCS-Graphic-Builder (version 3.07)
- Nema4 Outdoor rated max ambient 70C(158F)
- Service Tools –status windows, Last 100 alarms with 120 second of run data for comp safeties
- Alarm alert history/emails/SMS,
- Extend history/graph data storage
- Unit/site Documentation PDF files (manuals, drawings, etc.)



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SCREW COMPRESSORS



RT Centrifugal Compressor Features

12 MODELS RANGING 550 to 1400 TONS

- High efficiency motor and dedicated to refrigerant R134a
- COP - the highest-efficiency centrifugal compressor for HFC-134a in the market.
- Built-in oil pump for better lubrication of bearings and gears.
- Fewer rubbing parts, energy efficient and with higher refrigerant flow than a similarly sized reciprocating compressor
- Lower discharge temperature and higher COP due to application with economizer and sub-cooler.



RT Centrifugal Compressor



RE Screw Compressor

RE Screw Compressor Features

7 MODELS RANGING 85 to 200 TONS

- Simple and Robust Construction
- High efficiency under full load and partial load
- High reliability
- Optimized motor cooling path, smoother inlet gas flow
- Lower vibration, and best noise management.

RC2 Screw Compressor Features

26 MODELS RANGING 15 to 500 TONS

- Quiet Operation
- High and Low Temp Application
- Multiple Refrigerant Application
- VFD Compatible
- Serviceable Oil Filter



RC2 Screw Compressor

YASKAWA
VFD Drive



RG Screw Compressor Features

7 MODELS RANGING 65 TONS to 380 TONS

- Flange-on (with bracket) or aligned (without bracket) motor mounting
- Balanced mechanical seal
- Liquid injection to chamber for additional cooling
- Discharge temperature sensor as protection
- Dual capacity control
- Durable bearing structure for radial and axial resistance



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