A COMPLETE PRODUCT RANGE TO COVER SOLUTION NEEDS FOR YOUR FACILITIES

**PENNY® REFRIGERATION PRODUCTS**

- **AIR-COOLLED**
  - YORK®
    - Cooling capacity: 45 - 205 kW
    - SEER technology, Scroll compressors, R-410A
  - YHME
    - Cooling capacity: 50 – 185 kW
    - Up to 3 modules, Screw compressors, R-32/R-134a
  - YGLE
    - Cooling capacity: 325 - 1,715 kW
    - Scroll compressors, hydro fluid, R-32/R-134a
- **WATER-COOLED**
  - YORK®
    - Cooling capacity: 125 - 1,715 kW
    - SCREW COOLED Screw Cooling 311a and 311b
  - YWDA
    - WATER-COOLER
  - YORK®
    - Cooling capacity: 370 – 300 kW
    - Screw compressors, R-32/R-134a
- **THERMAL**
  - YORK®
    - Cooling capacity: 50 – 275 kW
    - Screw compressors, Screw Cooling 311a and 311b
- **HEAT-COOLED**
  - YORK®
    - Cooling capacity: 60 – 2,250 kW
    - Variable Speed Screw compressors, R-32/R-134a
  - YK
    - Cooling capacity: 500 – 3,000 kW
    - Variable Speed Screw Compressors, Magnetic bearings, 311a and 311b
- **ABSorption Chillers**
  - YORK®
    - Cooling capacity: 900 – 40,000 kW
    - Refrigeration plant system, Liquid cooled, Variable speed, Ammonia (R717)

**SMART CONTROL SYSTEM**

- **CENTRAL PLANT OPTIMIZATION**
  - CPO 10
    - Intelligent algorithms showcase Metasys® obsession towards process and specific efficiency characteristics to ensure up to 30% energy versus standard automatic application.

- **VERASYS™**
  - SMART CONTROLLER
    - Room temperature, humidity, and CO2 Immediate comfort and energy management

**SABRE® INDUSTRIAL REFRIGERATION**

- **Refrigerating compressors units**
  - CMO
    - Capacity: 55 – 194 kW
    - Standard or variable speed, Ammonia (R717) and Hydrocarbons (HC), common HFCs and derived blends
  - SMC
    - Capacity: 130 – 1,215 kW
    - Cooling capacity: 80 – 185 kW
    - 2 modules, Screw compressors, R-32/R-134a, hydrocarbons (HC), common HFCs and derivatives
- **WATER CHILLERS**
  - SABRE®
    - Capacity: 120 – 106 kW
    - 2 modules, variable speed, Ammonia (R717), hydrocarbons (HC), common HFCs and derivatives

**SABRE® HEAT PUMPS**

- **SABRE® Chiller HP**
  - Cooling capacity: 90 – 190 kW
  - Water to water, 50 – 200 kW
  - Screw compressors, fixed or variable speed, Ammonia (R717) (low charge)

**SABRE® HEAT PUMPS**

- **COMPRESSORS**
  - YORK®
    - R718 (Natural-Water)
    - Capacity: 50 – 190 kW
    - Reciprocating, fixed or variable speed, Ammonia (R717), hydrocarbons (HC), common HFCs and derivatives

**SABRE® HEAT PUMPS**

- **SABRE® Heat Pump**
  - Cooling capacity: 90 – 190 kW
  - Water to water, 50 – 200 kW
  - Screw compressors, fixed or variable speed, Ammonia (R717)

**VERASYS™ SMART CONTROL SYSTEM**

- **SMART CONTROLLERS**
  - Room temperature, humidity, and CO2 Immediate comfort and energy management

**SABRE® HEAT PUMPS**

- **COMPRESSORS**
  - YORK®
    - R718 (Natural-Water)
    - Capacity: 50 – 190 kW
    - Reciprocating, fixed or variable speed, Ammonia (R717), hydrocarbons (HC), common HFCs and derivatives

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The merger of Johnson Controls and Tyco brings together best-in-class products, technology and service capabilities across Controls, Fire, Security and HVAC-R to serve various end markets including large institutions, commercial buildings, retail, industrial, small business and residential.

Find additional solutions at www.johnsoncontrols.com and www.tyco.eu

**Plug-and-Play Control System for Light Commercial Buildings**

Verasys is a straightforward, easy way to control and optimize single/multi-site enterprises. All Smart Equipment seamlessly connect to it and self-identify without requiring programming tools. Moreover, Verasys allows remote connectivity to the sites and as a result, you can take advantage of a new level of insight and provide facilities that better serve occupants.

Find additional information on www.verasyscontrols.com/europe

**Advanced Integration**

Building intelligence open IT tool suite dedicated to multisystem.

Real estate and Equipments portfolio for detailed Analytics, Smart automation, Energy optimization, Workflows and Dashboards.

**Energy Solutions**

There is focus on reducing carbon footprints and being good stewards of the environment. Customers are being asked to deliver all of that and more with budgets that have never been tighter. We have a long history of partnering with public and private entities to deliver innovative, guaranteed solutions that meet their triple bottom line. Create quality environments. Manage building energy. Maximize energy and water efficiency. Provide clean, renewable energy. And save millions!

For more information contact your local Johnson Controls representative or visit us at www.johnsoncontrols.com

**Spare Parts**

- HVAC
  - Compressors and parts
  - Scroll, screw, reciprocating, centrifugal cool, condensers, and parts
- Line components
  - Valves, fittings, sensors, sight glasses, gauges, relief valves, and ball valves
- Electronic components
  - Electronic board, high pressure/low pressure switches, timers, and electronic expansion devices
- Heat exchangers
  - Finned coil, shell & tube and plate type heat exchangers
- Fans
  - Condenser and evaporator fans
- Refrigeration
  - Compressors and parts
  - Parts for reciprocating and screw compressors
- Line components
  - Gauges, sensors, etc.
- Controls
  - Pumps & motors
- Kits and sets
  - Packaged solutions for easy service
- Upgrade kits
  - Packaged solutions for upgrading equipment

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