

A complete range of HVACR solutions for your facilities



METASYS BUILDING MANAGEMENT SYSTEM

- METASYS SERVER**
Support of IT standards and technologies, Multi-platform web-based user interface, long-term storage
- OPEN APPLICATION SERVER (OAS)**
Metasys system that combines supervisory server and engine capabilities in a single software offering, with optional, add-on features
- SUPERVISORY NETWORK ENGINE**
Family of IP connected Supervisory Network Engines for all sizes of building management systems
- SUPERVISORY NETWORK CONTROLLER**
Family of IP connected Supervisory Network Controllers with onboard Input/Output (IO) points
- GENERAL PURPOSE CONTROLLER**
BACnet IP and MS/TP general purpose field controllers
- INPUT/OUTPUT MODULES** **NEW**
Scalable family of configurable Input/Output (IO) modules
- VAV CONTROLLERS**
Complete family of programmable controllers suitable for all VAV applications
- TERMINAL UNIT CONTROLLER**
Complete local control of unitary equipment, plus supervisory communication
- INTEGRATED ROOM CONTROLLER**
Complete family of controllers and sensors for HVAC, light and sunblind
- FIELD USER INTERFACES**
Self configuring local touch screen display or web server user interface options allowing simplified access to equipment or controls
- WIRELESS COMPONENTS**
Wireless field buses and room temperature sensing systems designed with the latest wireless technology
- INTEGRATION SOLUTIONS**
Interfaces Metasys with legacy systems, fire and security systems and systems with proprietary and standard protocols

CRITICAL ENVIRONMENTS SOLUTION

- CRITICAL ENVIRONMENT CONTROLLER & MONITOR** **NEW**
Complete line of controllers and monitors for room pressure and fume hoods
- VENTURI VALVE SERIES** **NEW**
Constant Volume Venturi air valves & fast-acting actuators with Universal Valve Modules (UVM)
- ECOIR VALVE SERIES** **NEW**
Ultra-low pressure drop valve designed with airflow sensing with Eco Valve Modules (EVM)

HVAC CONTROL PRODUCTS

- PEAK CONTROLLERS**
Family of controllers and accessories specifically designed for Original Equipment Manufacturers (OEMs)
- TERMINAL UNIT VALVES AND ACTUATORS**
Complete offering of valves and actuators for terminal unit applications
- CONTROL VALVES AND ACTUATORS**
Ball, globe and butterfly valves with pneumatic and electric actuators
- DAMPER ACTUATORS**
Spring and non-spring return rotary actuators for air, fire and smoke dampers
- PLANT SENSORS**
Plant Temperature, Humidity, CO₂, Dew point, Delta pressure
- ROOM SENSORS** **NEW**
Room Temperature, Humidity, CO₂, Passive, Analog and Network models
- ALL IN ONE NETWORK SENSOR** **NEW**
Temperature, Humidity CO₂, presence and color display
- THERMOSTATS** **NEW**
Line powered Fan Coils thermostats stand alone, Modbus, BACnet and KNX communicating
- SMART THERMOSTAT**
TEC family offers Proportional, ON/OFF, Multi-stage, autoadaptive controls through thermostats and color display

PENN REFRIGERATION PRODUCTS

- PRESSURE SWITCHES & THERMOSTATS**
The pressure switches, thermostats and humidistats are designed for refrigeration, cooling, heating, ventilation and air-conditioning applications
- ELECTRONIC CONTROLS & TRANSDUCERS**
The controllers provide a high quality long lasting solution for control of any commercial refrigeration unit
- WATER VALVES & FLOW CONTROLS**
Control water flow rate to a condenser by directly sensing pressure changes in a refrigerant circuit. Used with sea water, swimming pool water, ethylene glycol or other liquids
- PENN CONNECTED DIGITAL FOOD SAFETY AND REFRIGERATION MONITORING**
A cloud-based temperature and alarm management solution for monitoring refrigeration equipment across multiple locations in commercial, food and beverage retail, manufacturing and HVAC industry

VERASYS SMART CONTROL SYSTEM

- SMART BUILDING HUB**
Web based control system that provides a mobile user interface to smart equipment branded controllers and thermostats
- SMART EQUIPMENT CONTROLLERS**
Family of controllers and accessories specifically designed for HVAC/R equipment optimization
- VERASYS APPLICATION CONTROLLERS**
Runs pre-engineered applications for control of HVAC equipment
- TERMINAL UNIT CONTROLLER PLUS**
Designed for local complete control of unitary equipment with BACnet supervisory communication

YORK CLOSE CONTROL AC UNITS

- YC-P SERIES**
Cooling capacity: 7.8 – 160.3 kW
Brushless DC compressors with inverter technology and brushless EC motor fans. Upflow or downflow options, R410A
- YC-G SERIES**
Cooling capacity: 43 – 170.2 kW
Downflow supply, R410A
- YC-R SERIES**
Cooling capacity: 23.9 – 34.4 kW
Horizontal supply, R410A

YORK AIR HANDLING UNITS & INDOOR AIR QUALITY OPTIONS

- YMA (CUSTOMIZED)** **NEW**
Airflow range: 1,000-200,000 m³/h
2,000Pa Indoor / Outdoor application
With or without Factory-packaged controls included
- YMA (MODULAR)** **NEW**
Airflow range: 2,160-48,600 m³/h
2,000Pa Indoor / Outdoor application
With or without Factory-packaged controls included
- YMB**
Airflow range: 500-100,000 m³/h
1,500Pa Indoor / Outdoor application
Factory-packaged controls included
- YBV**
Airflow range: 400-5,000 m³/h
Indoor application, pre-packaged units with integral heat recovery device and factory packaged controls
- INDOOR AIR QUALITY OPTIONS** **NEW**
Monopolar or Bipolar Ionization, UV-C disinfection solution, Mobile Aircleaning HEPA unit

YORK FAN COIL UNITS

- YFCN / YFCN-ECM**
Cooling capacity: 0.7 – 7.4 kW
Exposed and concealed, horizontal or vertical mounting, EC variable speed motor option
- LASER & LOW BODY / LASER & LOW BODY- ECM**
Cooling capacity: 0.6 – 9.7 kW
Exposed and concealed, horizontal or vertical mounting, EC variable speed motor option
- High static pressure blower YHP-L / YHP-L-ECM RFHP-O / RFHP-O-ECM**
Cooling capacity: 2.1 – 30.6 kW
up to 250 Pa ESP maximum, ducted unit horizontal mounting without case, EC variable speed motor option
- YEFB / YEFB-ECM**
Cooling capacity: 4.3 – 27.5 kW
up to 250Pa ESP
Horizontal mounting without case, EC variable speed motor option
- YKEY / YKEY ECM** **NEW**
Cooling capacity: 1.1 – 10 kW
Ceiling mounted, coanda effect, 2 and 4 pipe versions available, EC variable speed motor option
- YHK / YHK-ECM**
Cooling capacity: 1.3 – 15.1 kW
Ceiling mounted cassette, 2 and 4 pipe versions available, EC variable speed motor option
- YHVP / YHVP-ECM**
Cooling capacity: 1.17 – 3.81 kW
Residential wall mounted, infrared remote option, EC variable speed motor option

YORK ABSORPTION CHILLERS R718 (Natural-Water)

- SINGLE EFFECT HOT WATER OR STEAM DRIVEN WFC SC / YHAU-CL/CH / YHAU-C**
Cooling capacity: 18 – 7,033 kW
- SINGLE EFFECT DOUBLE LIFT HOT WATER DRIVEN YHAU-CL-DXS**
Hot Water Leaving down to 40°C
Cooling capacity: 176 – 2,500 kW
- DOUBLE EFFECT STEAM OR HOT WATER DRIVEN YHAU-CW / YHAU-CHW**
Cooling capacity: 422 – 14,065 kW
- DOUBLE EFFECT DIRECT FIRED YHAU-CXR / YHAU-CG**
Cooling capacity: 105 – 5,600 kW
- DOUBLE EFFECT EXHAUST GAS DRIVEN YHAU-CE**
Cooling capacity: 527 – 3,516 kW
- MULTI ENERGY Hot water & Steam & Exhaust gas YHAU-CE-J / YHAU-CW-J**
Cooling capacity: 527 – 5,064 kW
- SINGLE OR DOUBLE EFFECT LOW LEAVING (0° or -5°C) Hot water & Steam driven YHAU-L / YHAU-LL**
Cooling capacity: 176 – 2,500kW

YORK CHILLERS

- AIR-COOLED**
- AMICHI-S YVAG**
Cooling capacity: 11.2 – 17.8 kW
DC Inverter technology, Scroll compressor, R410A
- YVAG BUNDLED WATER SOLUTION** **NEW**
Simple solutions to residential and LC applications using the AMICHI-S together with a touch screen (SC-120) master controller and thermostats for each zone.
- AMICHI YMPA**
Cooling capacity: 44 – 254 kW
DC Inverter technology, Scroll compr., hydro kit, R454B* and R410A
- TEMPO YLAA**
Cooling capacity: 198 – 525 kW
Scroll compressors, hydro kit, R454B
- YGT** **NEW**
Cooling capacity: 420 – 1,144 kW
Variable-speed screw compr. with HFO, Heat recovery, Hydro kit, R1234ze
- YVAA**
Cooling capacity: 569 – 1,654 kW
Variable-speed screw compr., R513A
- YVFA**
Cooling capacity: 525 – 1,575 kW
Air-Cooled VSD Screw Free Cooling, R513A
- WATER-COOLED**
- YMWAYMRA**
Cooling capacity: 21 – 193 kW
Scroll compressor, R410A
- YRW** **NEW**
Cooling capacity: 151 – 301 kW
Screw compressor, R513A
- YCWLYCRL** **NEW**
Cooling capacity: 178 – 590 kW
Scroll compressor, R410A
- YVWH**
Cooling cap.: 313 – 1,189 kW
Variable-speed screw compressor, R1234ze
- YZ**
Cooling capacity: 581 – 4,200 kW
Variable Speed Centrifugal, Magnetic Bearings, R1233zd(E)
- YMC²**
Cooling capacity: 800 – 3,500 kW
Variable Speed Centrifugal, Magnetic Bearings, R513A
- YK**
Cooling capacity: 800 – 11,250 kW
Centrifugal compressor, R513A

CENTRAL PLANT OPTIMIZATION (10)

- CPO 10**
Intelligent algorithms inherent in Metasys leverage proven best practices and specific equipment efficiency characteristics to serve up to 15% energy versus standard automation

YORK ROOFTOP EQUIPMENT

- VITALITY SPLIT ROOFTOP**
Cooling capacity: 19 – 86 kW
Axial fans, Cooling only, Heat pump, Scroll compressors, R410A
- ACTIVA ROOFTOP**
Cooling only, Heat pump, Cooling only + Gas heat, Heat pump + Gas heat, R410A
- LARGE ACTIVA ROOFTOP**
Cooling capacity: 100 – 175 kW
Cooling only, Heat pump, Scroll compressors, R410A

YORK HEAT PUMPS

- AIR-COOLED (2 pipes)**
- AMICHI-S YVAG**
Reversible, water up to 52°C
Cooling capacity: 11.2 – 17.8 kW
Heating capacity: 10.9 – 18.4 kW
DC Inverter technology, Scroll compressor, R410A
- YVAG BUNDLED WATER SOLUTION**
Simple solutions to residential and LC applications using the AMICHI-S together with a touch screen (SC-120) master controller and thermostats for each zone.
- AMICHI YMPA** **NEW**
Reversible, water up to 55°C
Cooling capacity: 44 – 254 kW
Heating capacity: 50 – 254 kW
DC Inverter technology, Scroll compr., hydro kit, R454B and R410A
- YLPB** **NEW**
Reversible, water up to 55°C
Cooling capacity: 336 – 629 kW
Heating capacity: 344 – 653 kW
Scroll compressors, hydro kit, R410A
- AIR-COOLED (4 pipes)** **NEW**
- YHA**
Reversible, water up to 60°C
Cooling capacity: 18.1 – 416 kW
Heating capacity: 22.2 – 463.7 kW
Scroll compressor, R454B and R410A
- YLZ** **NEW**
Reversible, water up to 65°C
Cooling capacity: 22.4 – 186 kW
Heating capacity: 25.5 – 210 kW
E.V.I. scroll compressors, R454B* and R410A
- YCV** **NEW**
Reversible, water up to 65°C
Cooling capacity: 22.4 – 62.5 kW
Heating capacity: 25.7 – 72.8 kW
E.V.I. scroll compressors, ductable option R454B* and R410A
- WATER-COOLED**
- YMWAYHP**
Reversible, water up to 55°C
Cooling capacity: 21 – 185 kW
Heating capacity: 24 – 212 kW
Scroll compressor, R410A
- YWH** **NEW**
Water up to 78°C
Heating capacity: 37.6 – 273.2 kW
Scroll compressor, R134a
- YCWLY**
Water up to 50°C
Heating capacity: 200 – 700 kW
Scroll compressor, R410A
- YLCY**
Water up to 65°C
Heating capacity: 440 – 990 kW
Screw compressor, R134a
- YVWH** **NEW**
Water up to 50°C
Heating cap.: 315 – 1,250 kW
Variable-speed screw compressor, R1234ze
- YVWA** **NEW**
Water up to 60°C
Heating capacity: 600 – 1,000 kW
Variable-speed screw compressor, R513A
- YMC² HP** **NEW**
Water up to 65°C
Heating capacity: 1,600 – 3,000 kW
Variable Speed Centrifugal, Magnetic Bearings, R513A
- YK** **NEW**
Water up to 50°C (Std) / 70°C (HP)
Heating capacity: 1,000 – 9,000 kW
Centrifugal compressor, R513A
- ABSORPTION HEAT PUMPS TYPE I - R718 (Natural-Water)** **NEW**
- YHAP-CL/CH / YHAP-C / YHAP-CW**
Hot Water Leaving up to 95°C
Heating capacity: 900 – 40,000 kW
Hot Water, Steam, Natural Gas or Exhaust Gas driven

SABROE HEAT PUMPS

- HeatPAC recip**
Water up to 90°C
Heating capacity: 100 – 2,000 kW
Recip compressor, variable speed only, Ammonia (R717) (<50 kg charge)
- DualPAC**
Water up to 90°C
Heating capacity: 400 – 2,000 kW
Variable speed, Ammonia (R717)
- Customised heat pumps** **NEW**
Water up to 90°C
Heating capacity: up to 13,000 kW
Screw or Recip compressor, fixed or variable speed, Ammonia (R717)

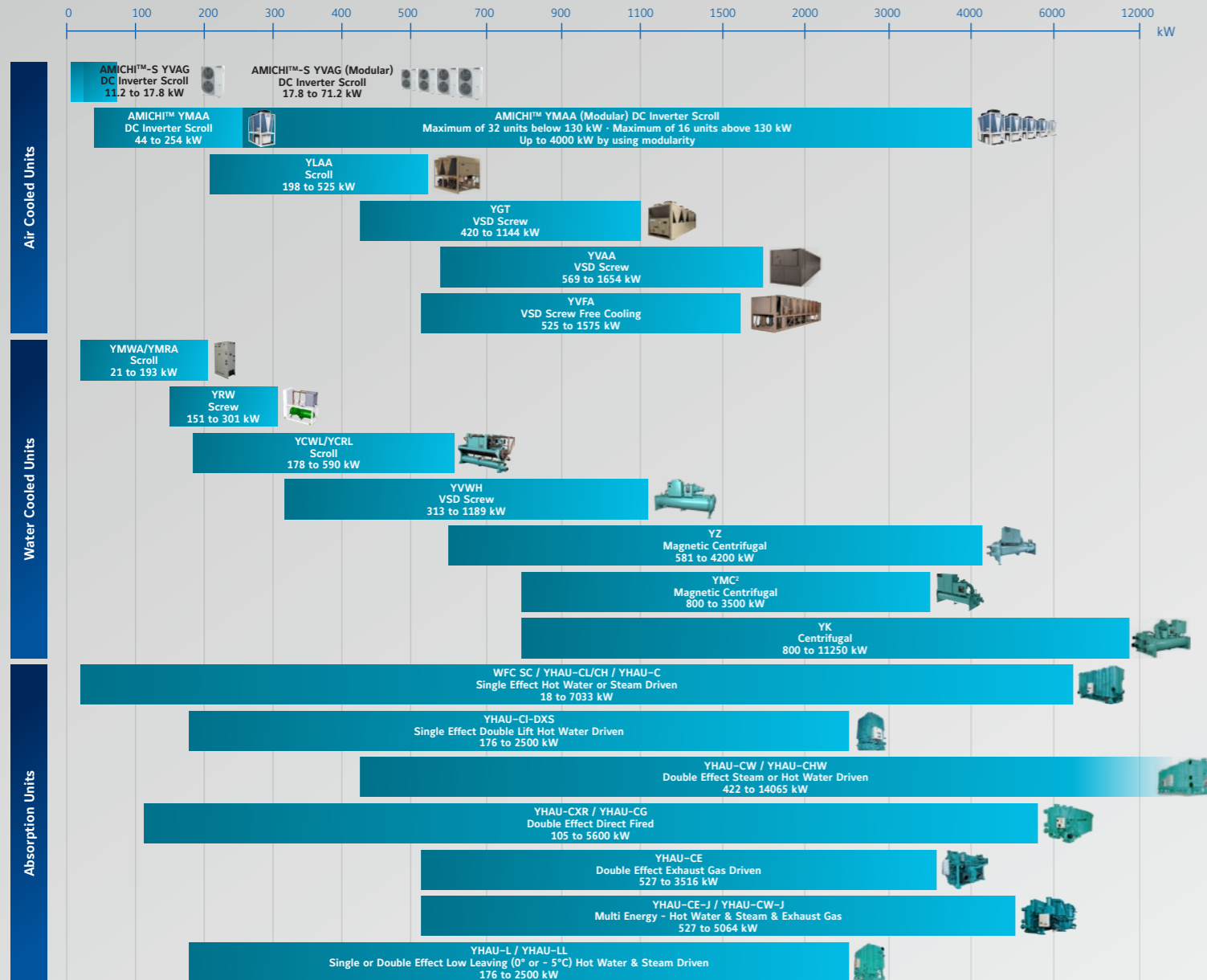
SABROE INDUSTRIAL REFRIGERATION

- RECIPROCATING COMPRESSOR UNITS**
- CMO**
Capacity: 50 – 190 kW
Fixed or variable speed, Ammonia (R717), hydrocarbons (HCs), common HFCs and derived blends
- SMC**
Capacity: 130 – 1,225 kW
Fixed or variable speed, Ammonia (R717), hydrocarbons (HCs), common HFCs and derived blends
- HPO/HPC/HPX**
Heating capacity: 330 – 700 kW
Cooling capacity: 80 – 185 kW
Fixed or variable speed, Ammonia (R717), carbon dioxide (R744), hydrocarbons (HC), common HFCs and derived blends
- SCREW COMPRESSOR UNITS**
- SAB, small**
Capacity: 120 – 180 kW
Fixed or variable speed, Ammonia (R717), carbon dioxide (R744), hydrocarbons (HCs), common HFCs and derived blends
- SAB, large**
Capacity: 540 – 1,800 kW
Fixed or variable speed, Ammonia (R717), carbon dioxide (R744), hydrocarbons (HCs), common HFCs and derived blends
- AIR-COOLED CHILLER**
- SABlight**
Cooling capacity: 95 – 400 kW
Screw compressor, variable speed only, Propane (R290)
- WATER-COOLED CHILLERS**
- ChillPAC**
Cooling capacity: 100 – 1,400 kW
Recip compressor, fixed or variable speed, Ammonia (R717) (<50 kg charge)
- ComPAC**
Cooling capacity: 200 – 2,200 kW
Screw compressor, fixed or variable speed, Ammonia (R717) (low charge)
- PAC screw or recip**
Cooling capacity: 100 – 6,200 kW
Screw or Recip compressor, fixed or variable speed, Ammonia (R717)
- CAFP low-temperature chiller**
Capacity: 85 – 790 kW
Fixed or variable speed, Ammonia/CO₂: (R717/R744)
- CONTROLS**
- UniSAB III**
Integrated systems controller for chillers and heat pumps
- SABchill and SABheat plant controller**
Plug-and-play control panel for plant integration of chillers and heat pumps
- ISAC**
Monitoring and control interface configuration system for refrigeration installations

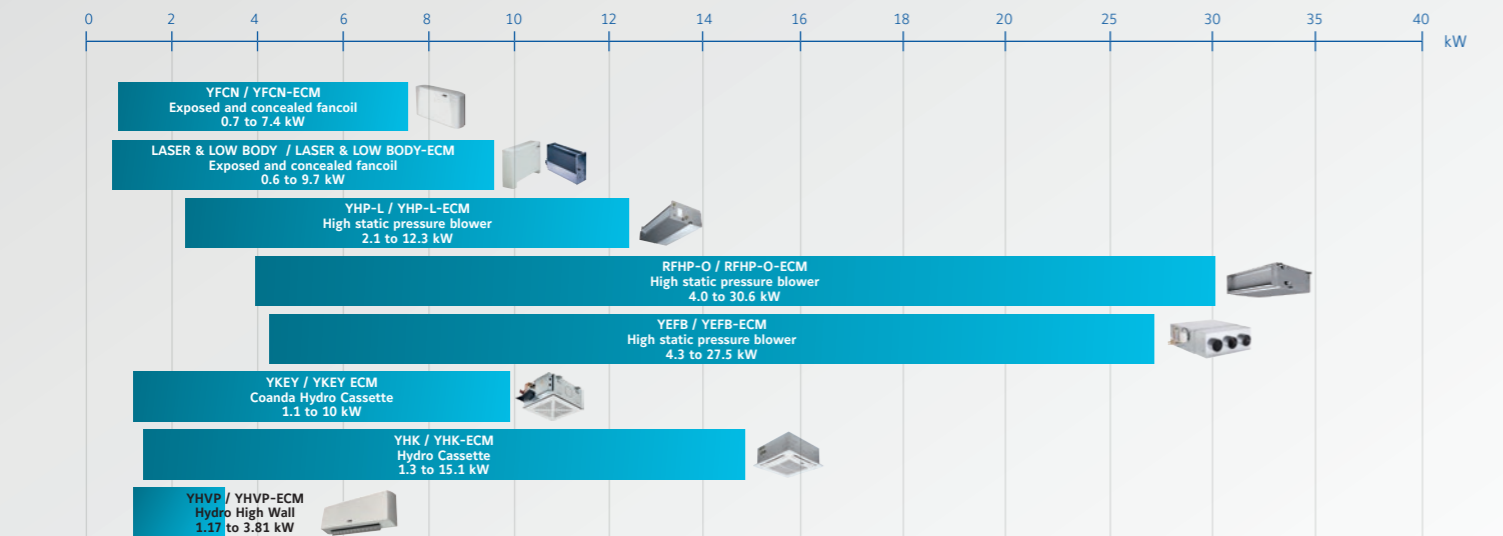
*Available in 2021

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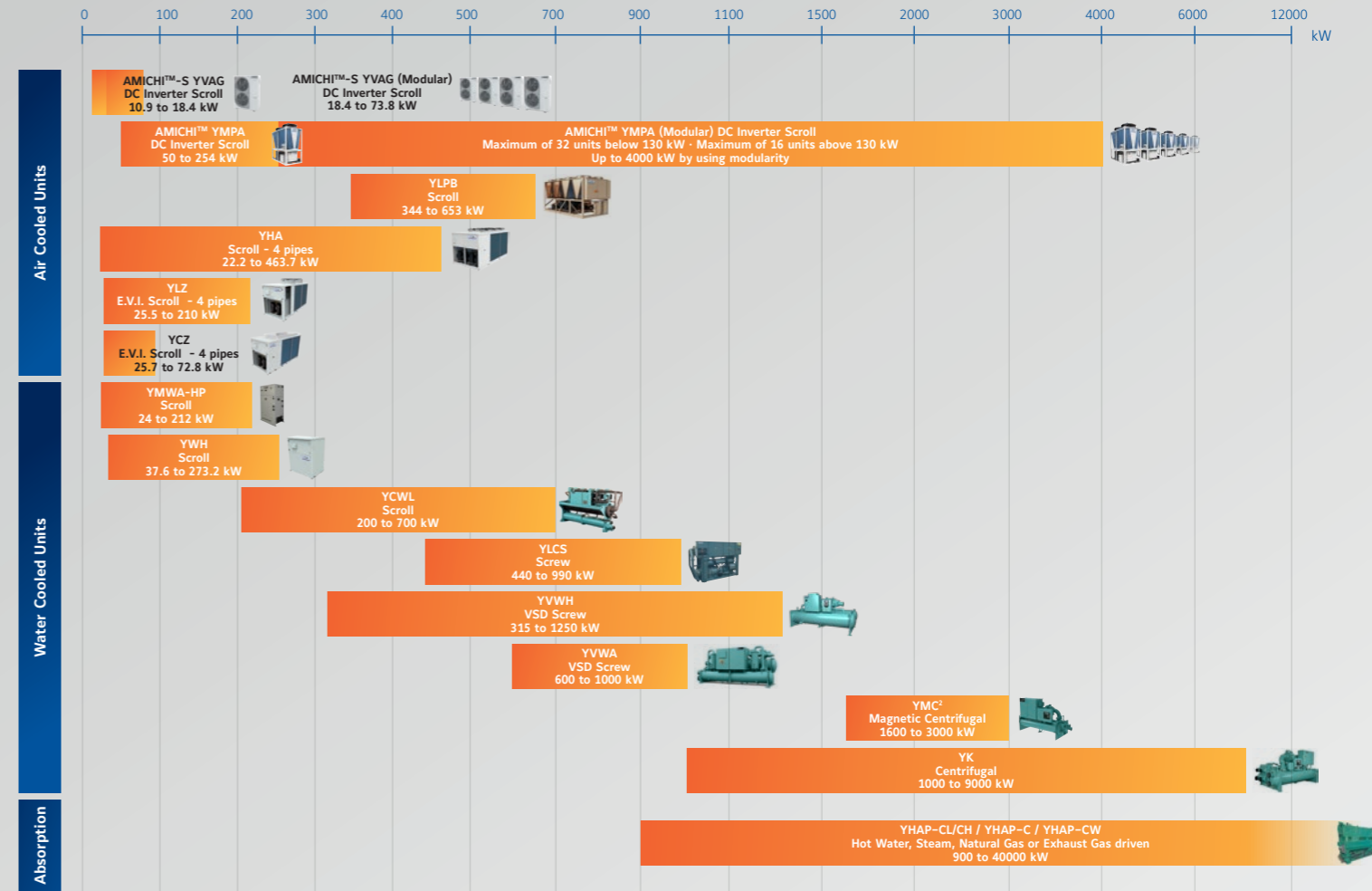
YORK Chiller Units



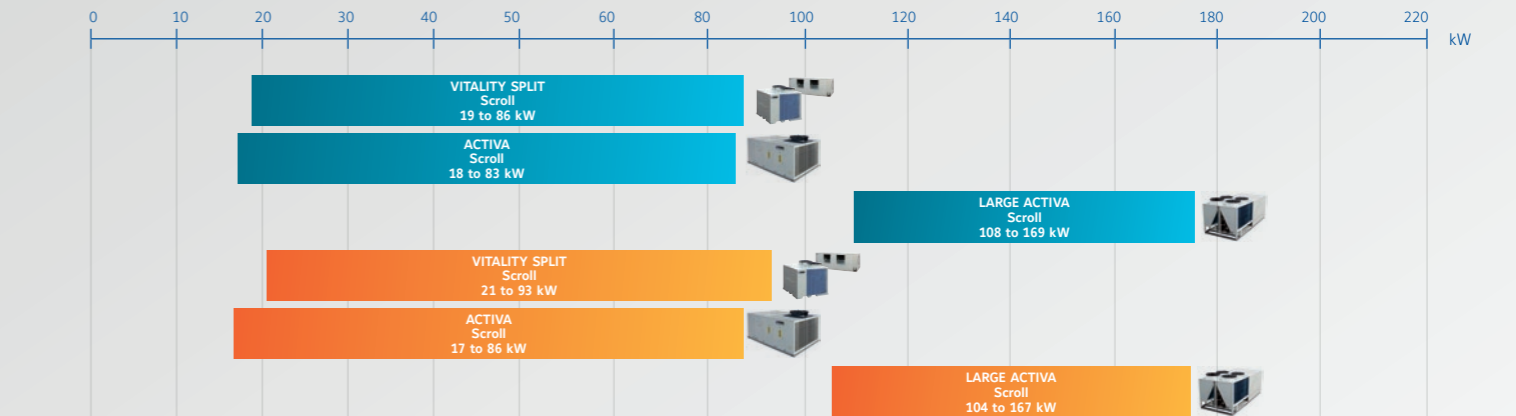
YORK Fancoil Units



YORK Heat Pump Units



YORK Rooftop Units



YORK Air Handling Units

