

# A complete range of HVAC-R 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 Controllers for all sizes of building management systems

**SUPERVISORY NETWORK CONTROLLER**  
Family of IP connected Supervisory Network Engines with onboard Input/Output (IO) points and optional integral display

**GENERAL PURPOSE CONTROLLER**  
BACnet IP and MS/TP general purpose field controllers with optional integral or remote display

**INPUT/OUTPUT MODULES**  
Scalable family of configurable Input/Output (IO) modules

**VAV CONTROLLERS**  
Complete family of BACnet IP and MS/TP VAV controllers with optional damper position feedback. Support standard applications of fully programmable

**FIELD USER INTERFACES**  
Self configuring local touch screen display or web server user interface options allowing simplified access to equipment or controls

**GATEWAYS, ADAPTERS & REPEATER**  
A range of gateways and adapters for enhanced integrations on Metasys SNE and SNC. Supporting communication standards such as MBus, LON and others. Range also includes a repeater for RS485 networks

**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**  
Complete line of controllers and monitors for room pressure and fume hoods

**CENTRAL MONITORING STATION** **NEW**  
The CMS-2000 Central Monitoring Station provides instant status verification for up to eight rooms, eight fume hoods, or a combination of rooms and hoods

**METASYS CRITICAL ENVIRONMENTS CONTROLLER AND DISPLAY** **NEW**  
Full Metasys solution, programmable with CCT. Includes applications (.caf) for Pressure and Volumetric Offset with Pressure Override

**VENTURI VALVE SERIES**  
Constant Volume Venturi air valves & fast-acting actuators with Universal Valve Modules (UVM)

## ROOM AUTOMATION SOLUTION

**ROOM AUTOMATION SOLUTION**  
Complete range of KNX devices for lighting, sunblinds, heating and building controls

## 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, CO<sub>2</sub>, VOC, Dew point and Delta pressure, with Passive, Analog, Modbus & BACnet communication

**ROOM SENSORS**  
Room Temperature, Humidity, CO<sub>2</sub>, VOC, with Passive, Analog, Modbus & BACnet communication

**ALL IN ONE NETWORK SENSOR**  
Temperature, Humidity CO<sub>2</sub>, presence and color display

**THERMOSTATS**  
Line powered Fan Coils thermostats stand alone, Modbus, BACnet and KNX communicating

**SMART EQUIPMENT THERMOSTAT**  
24VAC color screen thermostat with proportional/ On-Off/multistage controls with seamless Metasys integration over BACnet MSTP

## 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

## 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

## 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

**YFTS-ECM**  
Cooling capacity: 0.4 – 3.8 kW  
Exposed and concealed, vertical mounting, tangential fan, EC variable speed motor

**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

**YHVP / YHVP-ECM**  
Cooling capacity: 1.17 – 3.81 kW  
Residential wall mounted, infrared remote option, EC variable speed motor option

**High static pressure blower YHPL / YHPL-ECM**  
**RFHP-O / RFHP-O-ECM**  
Cooling capacity: 1.4 – 30.6 kW up to 250 Pa ESP maximum, ducted unit horizontal mounting without case, EC variable speed motor option

**YGFC**  
Cooling capacity: 1.5 – 8.5 kW up to 60Pa ESP maximum, ducted horizontal

**YDFC**  
Cooling capacity: 6.2 – 16.2 kW up to 100Pa ESP maximum, ducted horizontal

**YEFB / YEFB-ECM**  
Cooling capacity: 4.2 – 27.5 kW up to 250Pa ESP  
Horizontal mounting without case, EC variable speed motor option

**YKEY / YKEY-ECM**  
Cooling capacity: 1.1 – 10.2 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

## AIR DISTRIBUTION PRODUCTS

**DAMPERS & LOUVERS**  
Air Control, Pressure Relief, Backdraft, Fire, Smoke Dampers and Louvers

**VAV TERMINAL UNITS**  
Shut-off Single and dual duct and Fan Powered Variable Air Boxes

**GRILLES AND DIFFUSERS**  
Louvered, Square, Perforated, Slotted, Under Floor Diffusers, Specialized, Security Grilles

**ELECTRONIC AIR PURIFIERS**  
HVAC Electronic Air Cleaner, Indoor Air Purifiers, Kitchen Exhaust Units

**FAN FILTERED UNITS**  
Fan Filtered Diffusers with HEPA Filters

## YORK CLOSE CONTROL AC UNITS

**YC-P / YC-G / YC-R SERIES**  
Cooling capacity: 8.0 – 170.2 kW  
Brushless DC compressors with inverter technology and brushless EC motor fans. Upflow, downflow and horizontal supply options, R410A

**YC-H SERIES**  
Cooling capacity: 32.3 – 141 kW  
Brushless DC compressors with inverter technology and brushless EC motor fans, R410A

## 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 AIR HANDLING UNITS & INDOOR AIR QUALITY OPTIONS

**YMA**  
Customized  
Airflow range: 1,000-200,000 m³/h

**YMB**  
Semi-Customized  
Airflow range: 700-100,000 m³/h

**YMD**  
Standard  
Airflow range: 1,000-112,000 m³/h

**YMB-SP**  
Swimming Pools  
Airflow range: 1,000-45,000 m³/h

**YMF-S/R/H/F**  
Packaged Heat Pump  
Airflow range: 1,500-24,500 m³/h

**YKR**  
Compact  
Rotary Heat Exchanger  
Airflow range: 600-10,600 m³/h

**YKC**  
Compact  
Counter-flow Plate Heat Exchanger  
Airflow range: 1,500-7,360 m³/h

**YKL**  
Compact - Low profile  
Counter-flow Plate Heat Exchanger  
Airflow range: 250-2,550 m³/h

**YKH**  
Residential  
Counter-flow Plate Heat Exchanger  
Airflow range: 65-620 m³/h

**YORK Mobile HEPA Filter Unit**  
Indoor Air Quality Options  
Filtration Units  
Airflow range: 800-1,600 m³/h

## YORK ROOFTOP EQUIPMENT

**ACTIVA ROOFTOP**  
Cooling capacity: 18 – 39 kW  
Cooling only, Heat pump, Cooling only + Gas heat, Heat pump + Gas heat, R410A

**ACTIVA ASR ROOFTOP**  
Cooling capacity R410A: 50 – 219 kW  
Cooling capacity R32: 95 – 140 kW  
Cooling only, Heat pump, scroll compressors, R410A, R32

**LARGE ACTIVA ROOFTOP**  
Cooling capacity: 108 – 169 kW  
Cooling only, Heat pump, Scroll compressors, R410A

## YORK CHILLERS

**AIR-COOLED**  
**AMICHI-S YVAG**  
Cooling capacity: 11 – 18 kW  
DC Inverter technology, Scroll compressor, R410A

**AMICHI YMPA**  
Cooling capacity: 41 – 254 kW  
DC Inverter technology, Scroll compressor, hydro kit, R454B and R410A

**TEMPO YLAA**  
Cooling capacity: 198 – 640 kW  
Scroll compressors, hydro kit, R454B

**YGT**  
Cooling capacity: 401 – 983 kW  
Variable-speed screw compressor with HFO, Heat recovery, Hydro kit, R1234ze

**YVAA**  
New Generation  
Cooling capacity: 648 – 2,000 kW  
Variable-speed screw compressor, R513A

**YVFA**  
Cooling capacity: 577 – 1,664 kW  
Air-Cooled VSD Screw Free Cooling, R513A

**YAS**  
Cooling capacity: 32 – 353 kW  
Reciprocating compressor, R290 (Propane)

**WATER-COOLED**  
**YMW/AMRA**  
Cooling capacity: 21 – 193 kW  
Scroll compressor, R410A

**YCSE/YCRE**  
Cooling capacity: 140 – 240 kW  
Screw compressor, R513A and R134a

**YRW**  
Cooling capacity: 151 – 321 kW  
Screw compressor, R513A

**YWW Screw**  
Cooling capacity: 85 – 190 kW  
Inverter Screw compressor, R1234ze

**YWW Scroll**  
Cooling capacity: 56 – 383 kW  
Scroll compressor, R454B and R410A

**YVWH**  
Cooling cap.: 313 – 1,189 kW  
Variable-speed screw compressor, R1234ze

**YZ**  
Cooling capacity: 580 – 5,500 kW  
Variable Speed Centrifugal, Magnetic Bearings, R1233zd(E)

**YZD (Dual)**  
Cooling capacity: 5,500 – 7,000 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, R1234ze and R513A

## SERVICE OFFERINGS

**CHILLER DIAGNOSTIC TOOL**  
Proactive parts replacements recommendations to maintain efficiency, boost uptime and provide savings on unplanned repair costs.

**YORK CHILLER ACCESS MANAGER**  
Provides owners with control and visibility over who is operating, maintaining and servicing their chiller, ensuring the protection of an asset critical to facility operation.

**OPENBLUE CONNECTED CHILLERS**  
Cloud-hosted analytical tool that cut costs, maximize uptime, and provide targeted maintenance to keep your chiller running compliant, efficient and reliable.

## YORK HEAT PUMPS

**AIR-COOLED (2 pipes)**  
**AMICHI-S YVAG**  
Reversible, water up to 52°C  
Cooling capacity: 11 – 18 kW  
Heating capacity: 11 – 18 kW  
DC Inverter technology, Scroll compressor, R410A

**AMICHI YMPA**  
Reversible, water up to 55°C  
Cooling capacity: 41 – 254 kW  
Heating capacity: 45 – 256 kW  
DC Inverter technology, Scroll compressor, hydro kit, R454B and R410A

**YLPB**  
Reversible, water up to 55°C  
Cooling capacity: 336 – 629 kW  
Heating capacity: 344 – 653 kW  
Scroll compressors, hydro kit, R410A

**YAS/RC-WP**  
Reversible, water up to 55°C  
Cooling capacity: 91 – 297 kW  
Heating capacity: 103 – 334 kW  
Reciprocating compressors, R290 (Propane)

**AIR-COOLED (4 pipes)**  
**YHA**  
Reversible, water up to 60°C  
Cooling capacity: 18 – 416 kW  
Heating capacity: 50 – 1,455 kW  
Scroll compressor, R410A

**YLZ**  
Reversible, water up to 65°C  
Cooling capacity: 21 – 180 kW  
Heating capacity: 24 – 210 kW  
E.V.I. scroll compressors, ductable option, R410A

**YCH**  
Reversible, water up to 55°C  
Cooling capacity: 47 – 1,155 kW  
Heating capacity: 50 – 1,455 kW  
Scroll and screw compressors, R454B, R410A, R513A, R134a

**WATER-COOLED**  
**YMW/AMRA**  
Reversible, water up to 55°C  
Cooling capacity: 21 – 186 kW  
Heating capacity: 24 – 215 kW  
Scroll compressor, R410A

**YCSE HP**  
Water up to 50°C  
Heating capacity: 170 – 300 kW  
Screw compressor, R513A and R134

**YWH**  
Water up to 78°C  
Heating capacity: 38 – 301 kW  
Scroll compressor, R134a

**YWW Screw**  
Water up to 65°C  
Heating capacity: 100 – 225 kW  
Inverter Screw compressor, R1234ze

**YWW Scroll**  
Water up to 55°C  
Heating capacity: 73 – 484 kW  
Scroll compressor, R454B and R410A

**YVWH**  
Water up to 50°C  
Heating cap.: 315 – 1,250 kW  
Variable-speed screw compressor, R1234ze

**YVWH HP**  
Water up to 80°C  
Heating cap.: 900 – 1,800 kW  
Variable-speed screw compressor, R1234ze

**YZ**  
Water up to 45°C  
Heating capacity: 1,000 – 6,800 kW  
Variable Speed Centrifugal, Magnetic Bearings, R1233zd(E)

**YMC²**  
Water up to 65°C  
Heating capacity: 1,600 – 3,000 kW  
Variable Speed Centrifugal, Magnetic Bearings, R513A

**YK**  
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)**  
**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: 300 – 2,700 kW  
Recip compressor, variable speed only, Ammonia (R717) (<50 kg charge)

**HyePAC Heat Pump** **NEW**  
Water up to 120°C  
Heating capacity: 300 – 2,000 kW  
Recip compressor, variable speed drive, Ammonia (R717) + Water (R718)

**DualPAC**  
Water up to 90°C  
Heating capacity: 400 – 2,900 kW  
Variable speed, Ammonia (R717)

**HicaHP**  
Water up to 95°C  
Heating capacity: up to 7,000 kW  
Screw compressor, fixed or variable speed, Ammonia (R717)

## SABROE INDUSTRIAL REFRIGERATION

**RECIPROCATING COMPRESSOR**  
**CMO**  
Capacity: 100 – 270 kW  
Fixed or variable speed, Ammonia (R717), hydrocarbons (HCs), common HFCs and derived blends

**SMC**  
Capacity: 270 – 1,430 kW  
Fixed or variable speed, Ammonia (R717), hydrocarbons (HCs), common HFCs and derived blends

**HPO/HPC/HPX**  
Heating capacity: 330 – 3,200 kW  
Fixed or variable speed, Ammonia (R717), carbon dioxide (R744), hydrocarbons (HC), common HFCs and derived blends

**SCREW COMPRESSOR**  
**SAB, small / SAB, large**  
Capacity: 180 – 7,000 kW  
Fixed or variable speed, Ammonia (R717), carbon dioxide (R744), hydrocarbons (HCs), common HFCs and derived blends

**AIR-COOLED CHILLER**  
**ChillPAC Air**  
Cooling capacity: 260 – 1,400 kW  
Recip compressor, fixed or variable speed, Ammonia (R717)

**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 – 2,300 kW  
Screw compressor, fixed or variable speed, Ammonia (R717) (low charge)

**PAC screw or recip**  
Cooling capacity: 100 – 7,000 kW  
Screw or Recip compressor, fixed or variable speed, Ammonia (R717)

**CAFP low-temperature chiller**  
Capacity: 85 – 790 kW  
Fixed or variable speed, Ammonia/CO<sub>2</sub> (R717/R744)

**VESSEL AND EXCHANGER VESSEL PROGRAM**  
Separators, Intercoolers, Receivers and Air Purifiers. Standard product range. Inhouse design and engineering department. PED, EAC, DNV, LRS, BV, ABS, MOM, DOSH, KGS, KR

**EXCHANGER PROGRAM**  
Shell and tube design  
Condensers, Evaporators and Cascade Units. Capacity range from 50kW to 5000kW

**CONTROLS**  
**UniSAB 4**  
Integrated systems controller for chillers and heat pumps

**Chiller and Heat Pump 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



Eurovent certified



Remote Air Cooled Option



Heat Recovery Option



Heat Pump with high temperature



Customized units



Low GWP

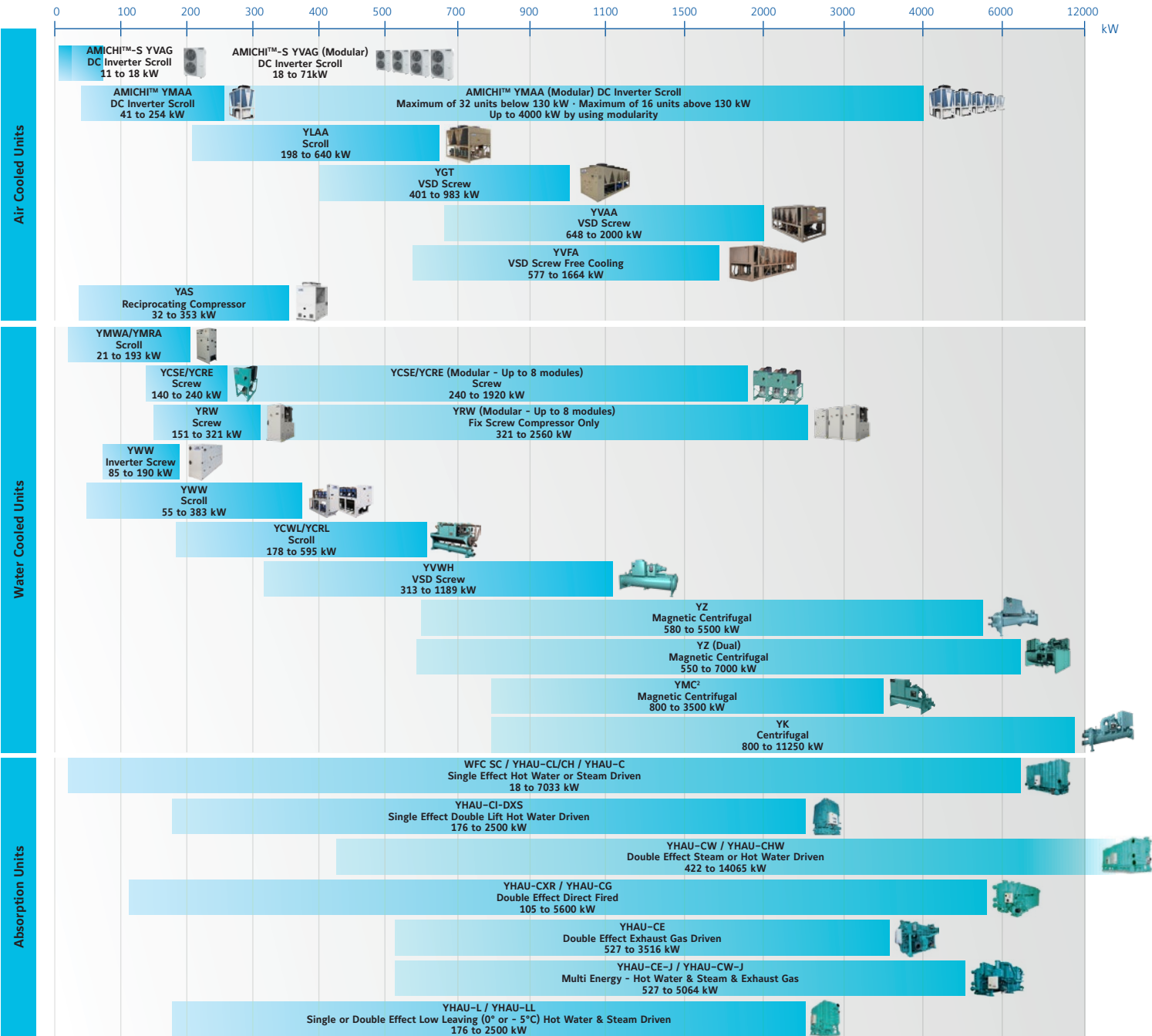


4 Pipes unit

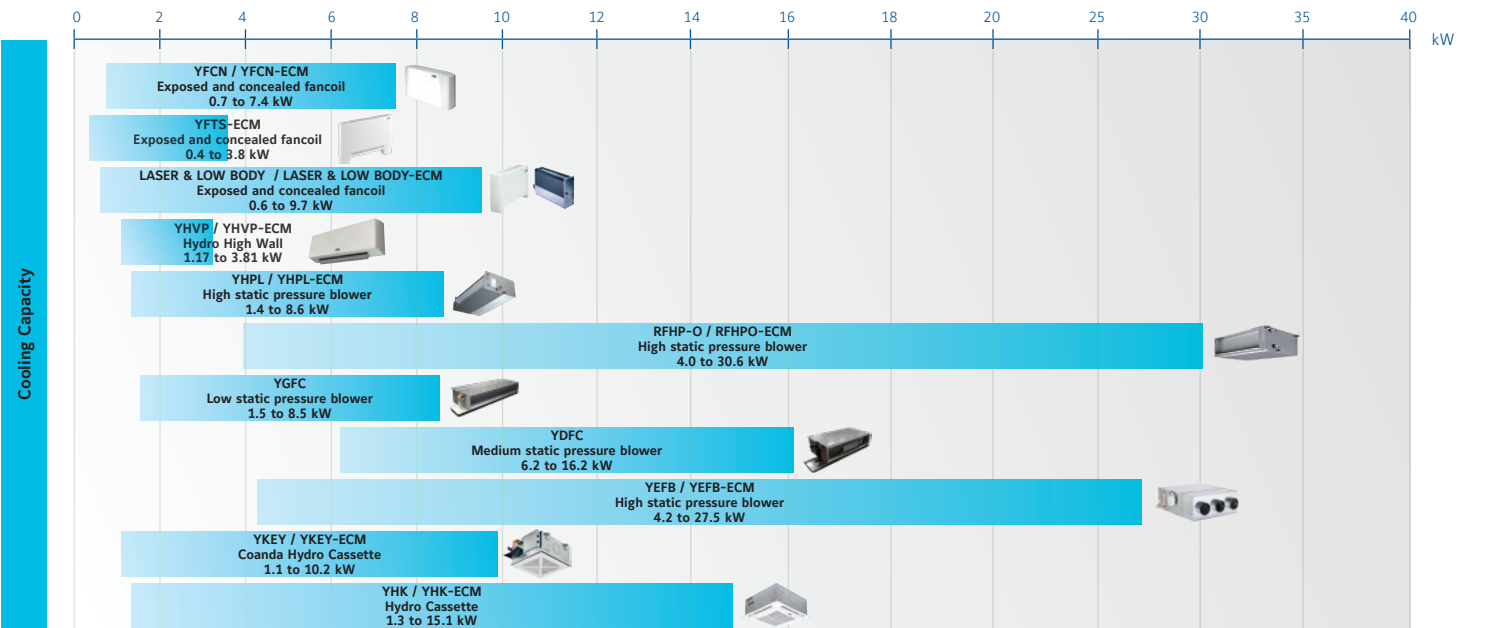




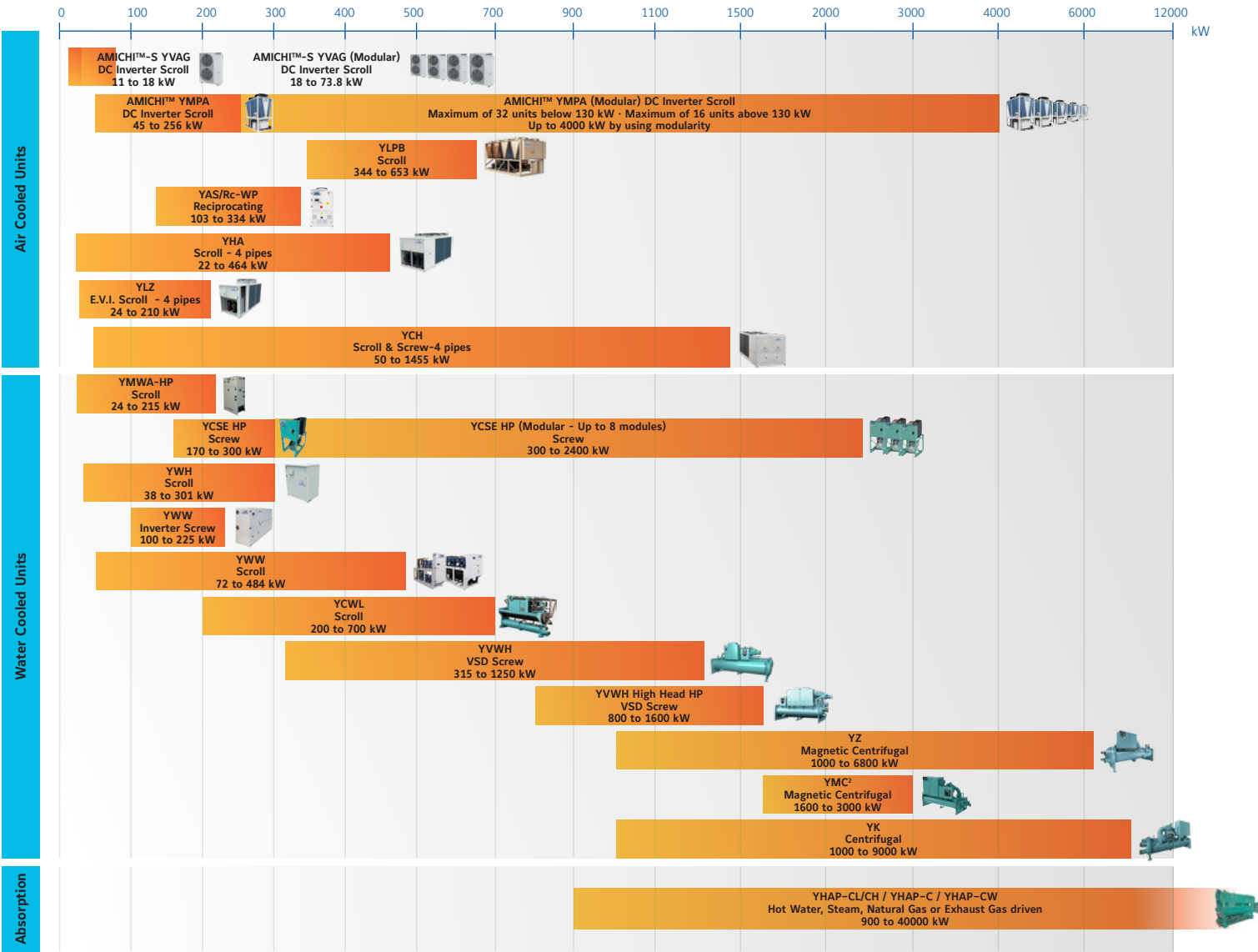
YORK Chiller Units



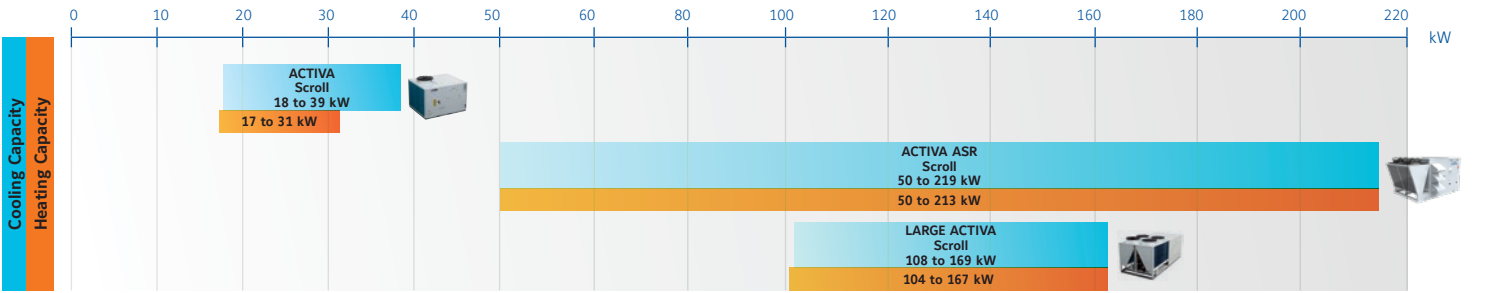
YORK Fancoil Units



YORK Heat Pump Units



YORK Rooftop Units



YORK Air Handling Units

