

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 Engines for all sizes of building management systems

SUPERVISORY NETWORK CONTROLLER
Family of IP connected Supervisory Network Controllers 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

ROUTERS, 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

EASY IO BUILDING MANAGEMENT SYSTEM

FS SERIES
Server-Class BloT Programmable Controllers

FW SERIES
Wireless & Wired IP-Class BloT Programmable Controllers

FC SERIES
BACnet MSTP Programmable Controller

FD-20i SERIES
I/O expansion modules

FT SERIES
2 Points, Wi-Fi Controller

FW-VAV
The FW-VAV is a network VAV-Controller with an integrated 4 Nm actuator, pressure differential sensor and a suite of VAV-applications, kits and multifunctional adapter widgets

CRITICAL ENVIRONMENTS SOLUTION

CRITICAL ENVIRONMENT CONTROLLER & MONITOR
Complete line of controllers and monitors for room pressure and fume hoods

CENTRAL MONITORING STATION
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
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)

HVAC CONTROL PRODUCTS

TERMINAL UNIT VALVES AND ACTUATORS **NEW**
Complete offering of valves and actuators for terminal unit applications

CONTROL VALVES AND ACTUATORS **NEW**
Ball, globe and butterfly valves with electric actuators and PICV applications

DAMPER ACTUATORS
Spring and non-spring return rotary actuators for air, fire and smoke dampers

PLANT SENSORS
Plant Temperature, Humidity, CO₂, VOC, Dew point and Delta pressure, with Passive, Analog, Modbus & BACnet communication

ROOM SENSORS
Room Temperature, Humidity, CO₂, VOC, with Passive, Analog, Modbus & BACnet communication

ALL IN ONE NETWORK SENSOR **NEW**
Temperature, Humidity CO₂, 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

CONFIGURABLE CONTROLLER

SMART EQUIPMENT CONTROLLERS
Family of controllers and accessories specifically designed for HVAC/R equipment optimization

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

ROOM AUTOMATION SOLUTION

ROOM AUTOMATION SOLUTION
Complete range of KNX devices for lighting, sunblinds, access and HVAC control

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

YDFC **NEW**
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

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

YC-W SERIES FAN WALL UNITS
Cooling capacity: 100 – 350 kW
Horizontal air flow, High-efficiency ECM fans

YORK ROOFTOP EQUIPMENT

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

ACTIVA AGR ROOFTOP
Cooling capacity: 20 – 45 kW
Cooling only, Heat pump, Scroll compr. 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 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

YBV-NG...s Compact - Suspended AHU
Counter-flow Plate Heat Exchanger
Airflow range: 150-3,300 m³/h

YBV-NG...c Compact - Floor Mounted AHU
Rotary or counter-flow Plate Heat Exchanger
Airflow range: 840-16,500 m³/h

YBV-NG...c Compact - Top AHU
Counter-flow Plate Heat Exchanger
Airflow range: 1,250-4,000 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 Heat Recovery Ventilation Unit Counter-flow Plate Heat Exchanger
Airflow range: 65-620 m³/h

YKH-2G Heat Recovery Ventilation Unit Counter-flow Plate Heat Exchanger
Airflow range: 150-600 m³/h
Energy class A/A+

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 YMAE **NEW**
Cooling capacity: 38 – 124 kW
DC Inverter technology, EVI Scroll compressor, R454B

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-B 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

YVAM
Cooling capacity: 1,500 – 1,650 kW
Air-Cooled Magnetic Bearing Centrifugal, R1234ze

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

WATER-COOLED

YMWAYMRA
Cooling capacity: 21 – 193 kW
Scroll compressor, R410A

YCS/YSRE
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)

YMC²
Cooling capacity: 800 – 2,800 kW
Variable Speed Centrifugal, Magnetic Bearings, 1234ze and R513B

YK
Cooling capacity: 800 – 11,250 kW
Centrifugal compressor, R1234ze and R513B

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 operators 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 YMAE **NEW**
Reversible, water up to 60°C
Heating capacity: 42 – 139 kW
DC Inverter technology, EVI Scroll compressor, R454B

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

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

YCPB **NEW**
Reversible, water up to 60°C
Heating capacity: 305 – 507 kW
EVI Scroll compressors, R454B

YTH
Reversible, water up to 65°C
Heating capacity: 18 – 68 kW
Scroll compressors, R454C

YTL **NEW**
Reversible, water up to 55°C
Heating capacity: 186 – 1,109 kW
Scroll and screw compressors, R454B and R513A

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

AIR-COOLED (4 pipes)

YHA
Reversible, water up to 60°C
Heating capacity: 22 – 464 kW
Scroll compressor, R410A

YHZ
Reversible, water up to 65°C
Heating capacity: 24 – 215 kW
E.V.I. scroll compressor, ductable option, R410A

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

WATER-COOLED

YMWAYMRA
Reversible, water up to 55°C
Heating capacity: 24 – 215 kW
Scroll compressor, R410A

YCS/YSRE
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 and R515B

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 – 2,800 kW
Variable Speed Centrifugal, Magnetic Bearings, 1234ze and R513B

YK
Water up to 50°C (Std) / 70°C (HP)
Heating capacity: 1,000 – 9,000 kW
Centrifugal compressor, R1234ze and R513B

CYK **NEW**
Water up to 85°C
Heating capacity: 4,000 – 10,000 kW
Dual centrifugal compressors, R1234ze

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

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)

HitemHP **NEW**
Water up to 125°C
Heating capacity: 150 – 1,200 kW
Recip compressor, single-stage, low-pressure, hydrocarbons (HCs)

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/CO₂ (R717/R744)

VESSEL AND EXCHANGER

VESSEL PROGRAM
Separators, Intercoolers, Receivers and Air Purgers. 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

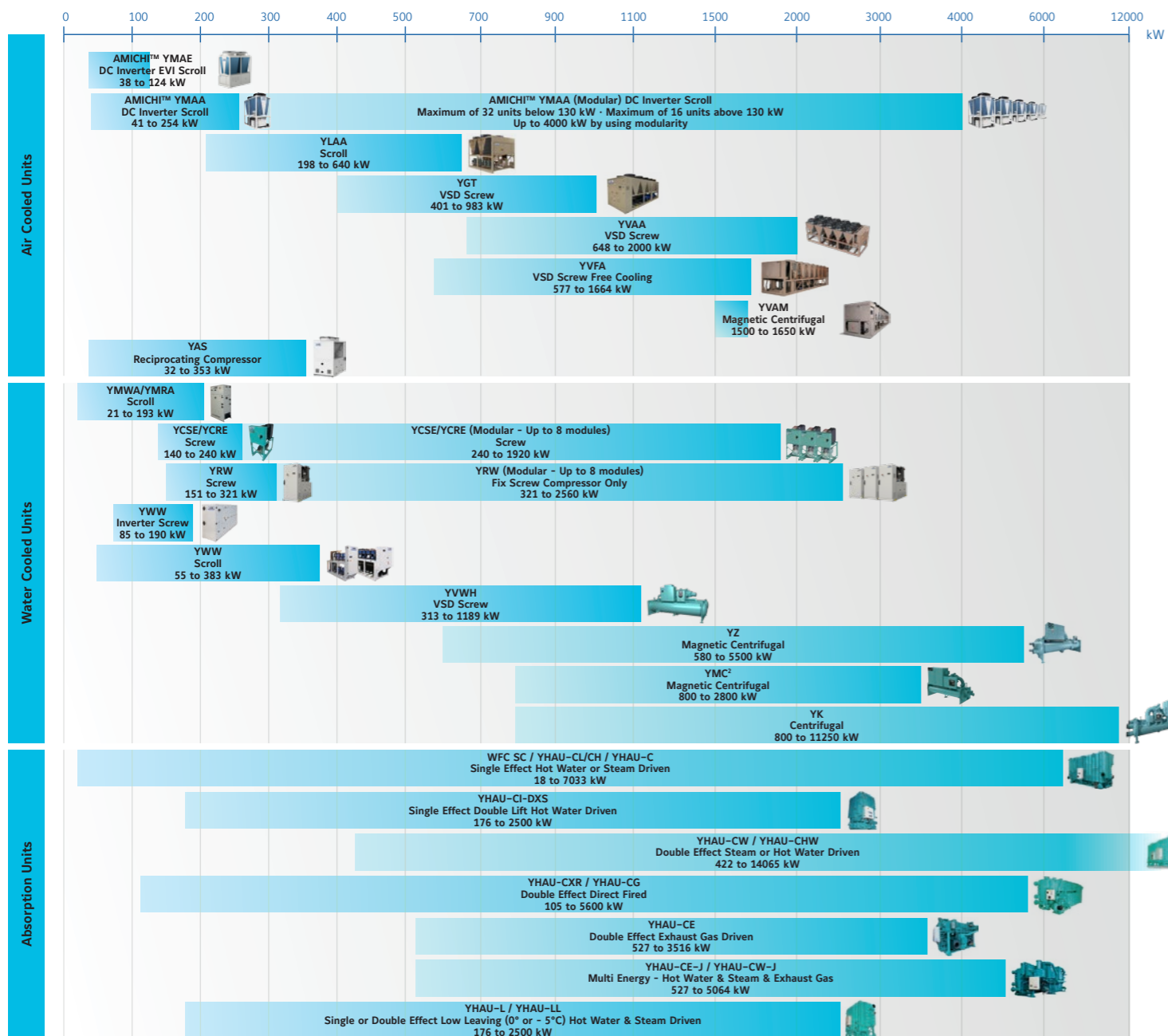
CONTROLS

UniSAB 4
Integrated systems controller for chillers and heat pumps

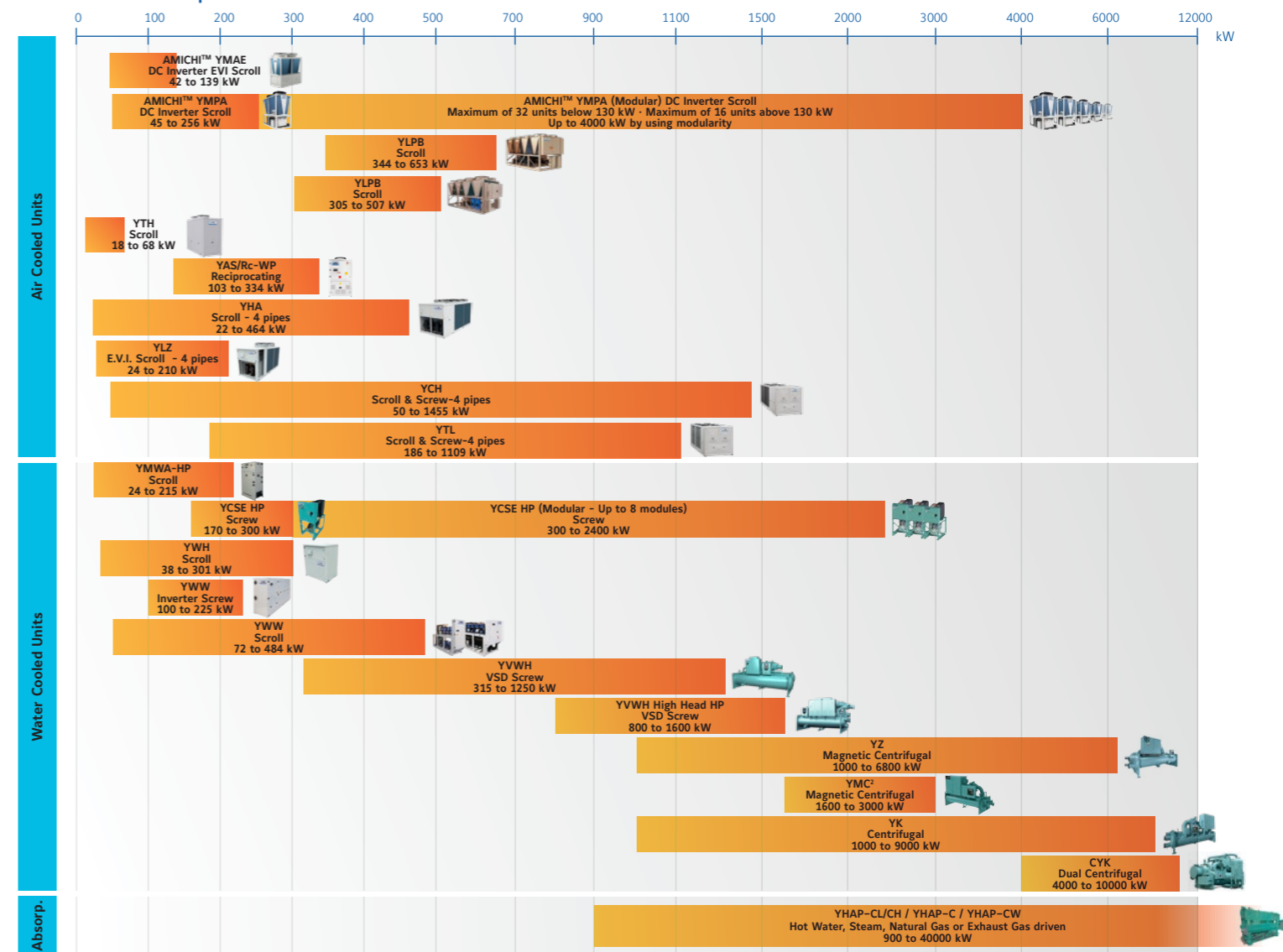
Chiller and Heat Pump Plant Controller
Plug-and-play control panel for plant integration of chillers and heat pumps

ISAC
Monitoring and control interface configuration system for refrigeration installations

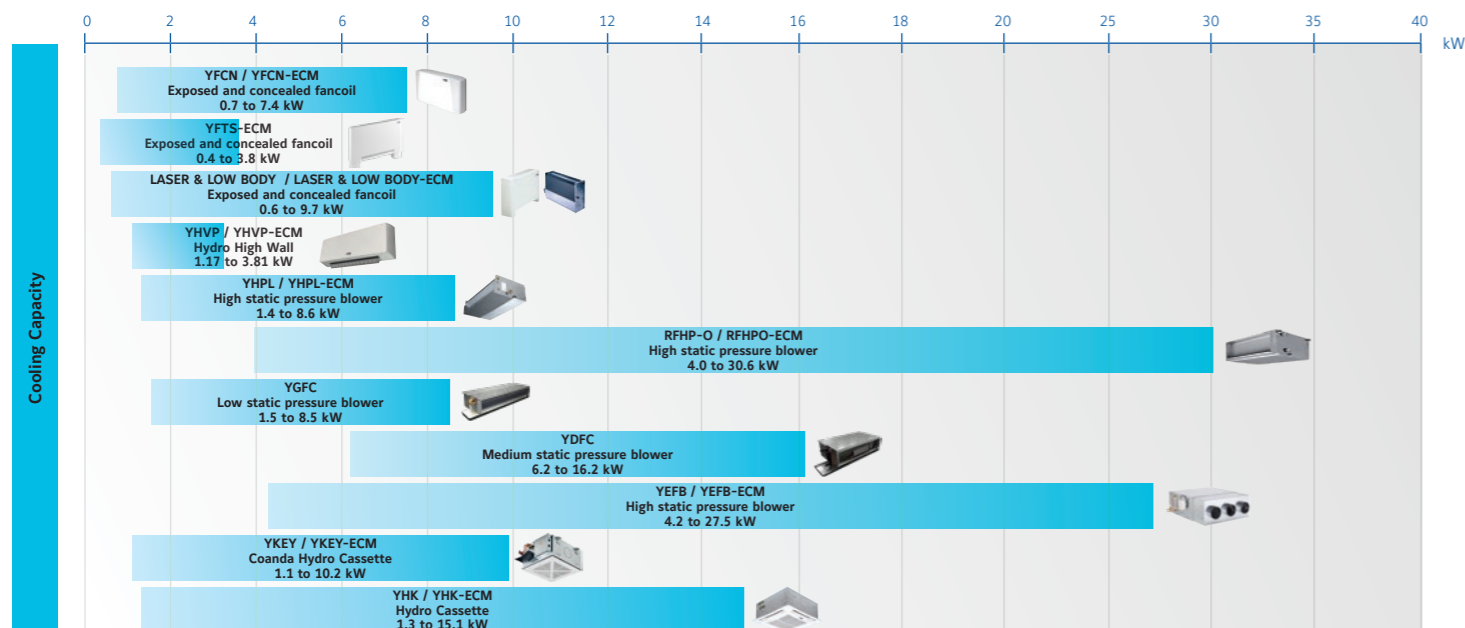
YORK Chiller Units



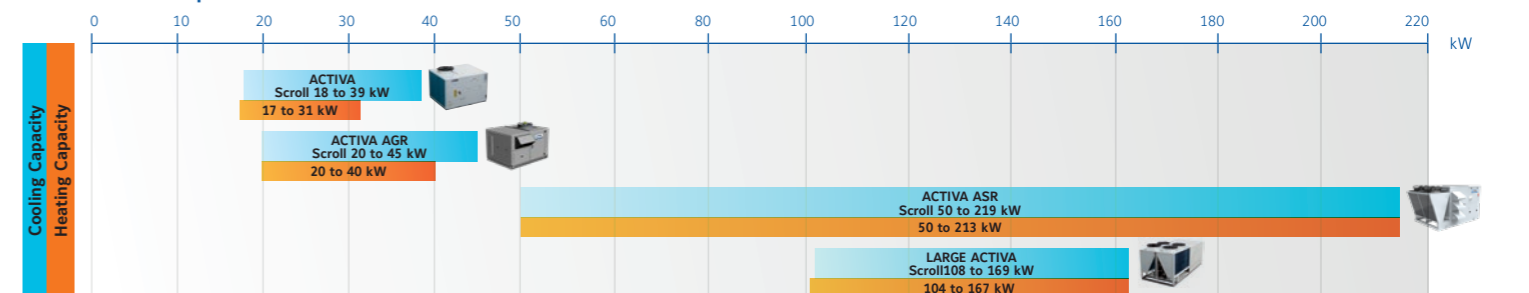
YORK Heat Pump Units



YORK Fancoil Units



YORK Rooftop Units



YORK Air Handling Units

