AERMEC
PRODUCT OVERVIEW • NORTH AMERICA

AIR TO WATER

ANK

Single Phase Heat Pump

Cooling 2.5 / 3 / 4 Tons | **Heating** 37,670 - 57,597 Btu/h

Reversible air to water heat pumps for outdoor installation. Production of hot water up to 140°F. Available version with built in hydronic kit. DHW production with external temperatures from -4°F to 107.6°F. Ideal unit for residential fan coils, radiant heating, and cooling, as well as process heating and cooling. Integrated smart controller. 220/1/ 60.

ANL

Heat Pump or Chiller

Cooling 6.5 - 8 Tons | **Heating** 94,755 - 111,850 Btu/h

Reversible heat pumps for external installation for the production of chilled and heated water with high performance for small and medium applications. DHW production up to 107.6°F. External air temperature up to 14°F. Available with a built in hydronic kit.

NLC

Heat Pump or Chiller

Cooling 15 - 87 Tons | **Heating** 164,000 - 974,000 Btu/h

Air to water heat pump for indoor installation. Suitable for air conditioning and the production of hot water for medium sized applications in residential and commercial buildings. The NLC produces hot water if it is fitted with a desuperheater or total recovery system. High static fans adjustable from 0.2 to 1.4 inch of static.

NRK

Heat Pump

Cooling 9 - 40 Tons | **Heating** 116,880 - 593,280 Btu/h

Air cooled reversible heat pump for outdoor installation. Provides water up to 149°F with high COPs and operates down to -4°F. The NRK can be combined not only with low-temperature emission systems such as floor heating or fan coils, but also conventional radiators. High static fans available above model 500 for ducted installation. Optimized for operation in heating mode.

AIR TO WATER

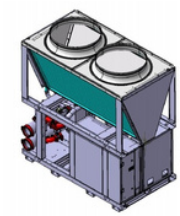
NYB

Chiller or Freecooling Chiller

Cooling 29 Tons (per module)

AHRI rated and meets the AHRI rating even with the free cooling option. Quietest and most efficient modular chiller available with a very small footprint. Up to 9 modules may be controlled by one multichiller.

NYBI



Chiller or Freecooling Chiller

Coming Soon!

Cooling 29 Tons (per module)

The NYBi modular chiller with inverter scroll compressors shows an improvement of 34% on the IPLV compared to the standard NYB! With the same footprint as the standard NYB, allows combining one or more units with inverter compressors (NYBi) with units with on/off compressors (NYB).

NRB

NRB 800-3000 Chiller
Cooling 58 - 230 Tons

NRB 800-3000 Freecooling Chiller
Cooling 58 - 230 Tons

NRB 800-3000 Heat Pump
Cooling 54 - 178 Tons | Heating 630,000 - 2,070,000 Btu/h

NRB is available as a chiller, heat pump, integrated free cooling chiller, with heat recovery options. It can have integrated variable speed pumps or single speed pumps as well as redundant pumps including both high and low pressure.

NRP

NRP 280-750
Cooling 12 - 45 Tons | Heating 184,010 - 660,103 Btu/h

NRP 800-1800
Cooling 52 - 120 Tons | Heating 738,278 - 1,689,276 Btu/h

NRP 2000-3600
Cooling 130-240 Tons | Heating 1,856,738 - 3,378,552

Four pipe air to water simultaneous heating and cooling unit for outdoor installation. Automatically goes into heat recovery when in simultaneous mode. COPs of as high as 9. High static fans are available for units above 30 tons for ducted installation.

AIR TO WATER

NYK

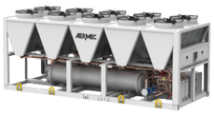
Heat Pump

Cooling 29 Tons (per module) | **Heating** 347,087 Btu/h

Air cooled reversible modular heat pump for the production of chilled or hot water designed to satisfy residential, commercial, or industrial applications. Production of hot water up to 149°F with vapor injection compressors allows for domestic hot water production. Performances exceed the minimum efficiencies required by the ASHRAE 90.1-2019 regulation. In order to provide flexibility to the existing product lineup the NYK can be integrated with Aermec chillers, free cooling chillers, heat pumps, and simultaneous units in the same piping system.

TBA

Oil Free Centrifugal Chiller



Cooling 90 - 348 Tons (Preliminary)

Air cooled chiller designed to meet air conditioning needs in residential, commercial, or industrial applications. Outdoor units with oil free centrifugal compressor, axial fans, micro-channel coils, and shell and tube heat exchangers. High efficiency also at partial loads with low peak current (only 6 amps!). Further, there is an evaporator with low refrigerant charge and available with also R513A (XP10) refrigerant gas.

TBG

Oil Free Centrifugal Chiller

Cooling 68 - 316 Tons (Preliminary)

Air cooled chiller designed to meet air conditioning needs in residential, commercial, or industrial applications. Outdoor units with oil free centrifugal compressor, axial fans, micro-channel coils, and shell and tube heat exchangers. High efficiency also at partial loads with low peak current (only 6 amps!). Further, there is an evaporator with low refrigerant charge. HFO R1234ze refrigerant gas.

WATER TO WATER

NXP

Simultaneous Heating and Cooling

Cooling 31 - 129 Tons | **Heating** 398,000 - 1,655,000 Btu/h

Six pipe water to water simultaneous heating and cooling for indoor installation. Suitable for simultaneous and independent production of hot and cold water. COPs as high as 9. This unit is the most efficient available on the market.

WATER TO WATER

NXW

Heat Pump or Chiller

Cooling 31 - 139 Tons | **Heating** 388,000 - 1,684,000 Btu/h

Reversible water to water heat pump or chiller for indoor installation. Suitable for medium sized services in residential and commercial applications. Optional 100% heat recovery or desuperheater providing 40% heat recovery.

WRL

Heat Pump or Chiller

Cooling 15 - 27 Tons | **Heating** 186,000 - 319,540 Btu/h

Water to water heat pump for indoor installation. Suitable for air conditioning and heating for small and medium applications in residential and commercial buildings.

WRK

Reversible Water to Water Heat Pump

Coming Soon!

Cooling 125,000 - 538,000 Btu/h | **Heating** 157,000 - 674,000 Btu/h

Reversible water to water heat pump for indoor installation designed to product high temperature water up to 154°F. The unit is a heat pump on the refrigerant side and is considered to be the replacement of a boiler.

WWB

High Temperature Heat Pump

Coming Soon!

Heating 220,000 - 852,000 Btu/h

The WWB, which operates in heating only mode, is used to increase the outlet water temperature produced by a conventional heat pump, to a temperature up to 176°F. For use in all applications that demand high water temperatures.

WWM

Chiller

Cooling 31 Tons (per module)

Modular water to water chiller for indoor installation. The modules can be linked together side by side, back to back, and stacked to reach a capacity of 960 tons. No clearance is required on the top, sides, or back.

CHILLED BEANS

EHT

Active Chilled Beams

Air Flow: 10-557 CFM

EHT active chilled beams are hybrid induction terminals combining temperature control, cooling, heating, and air distribution in one single device. A system of this type is able to limit operating costs thanks to its high energy efficiency. These cooling terminals can be used in systems with two different levels of chilled water production.

AIR TO WATER SCREW CHILLERS

BSM

Multicompressor Screw Chiller

Cooling 85-620 Tons

BSM is a dual-circuit or triple-circuit chiller charged with R134a gas. It has axial fans to ensure the quietest possible machine operation, twin-screw compressors, a shell and tube exchanger and "V block" microchannel coils. The unit with several refrigerant circuits is designed to provide the maximum yield when fully charged but also guaranteeing excellent efficiency even with partial charging and ensuring continuity if one circuit or more stops operating. The BSM can also produce domestic hot water if it is fitted with a desuperheater or total recovery system, so it is ideal for residential, commercial, or industrial applications.

WATER TO WATER SCREW CHILLERS

BWF

Multicompressor Screw Chiller

Cooling 180-600 Tons | **Heating** 2,000,000 - 8,000,000 Btu/h

Coming Soon!

Water to water screw chiller suitable for indoor installation. Optimized for low condenser water temperature. Electronic expansion valve standard. Maximum condenser leaving water temperature of 122°F. Optional 100% heat recovery or desuperheater providing 40% heat recovery. Available in 460 or 575 volts.

HWF

Multicompressor Screw Chiller

Cooling 180-400 Tons | **Heating** 2,000,000 - 5,000,000 Btu/h

Coming Soon!

Water to water screw chiller suitable for indoor installation. Optimized for high condenser water temperature. Electronic expansion valve standard. Maximum condenser leaving water temperature of 140°F. Optional 100% heat recovery or desuperheater providing 40% heat recovery. Available in 460 or 575 volts.

FAN COILS

FCL

Cassette Fan Coil

Cooling 1.70 - 3.12 Tons | **Heating** 24,226 - 44,358 Btu/h

The unit is mounted in a suspended ceiling with the possibility of sending conditioned air into adjacent rooms and introducing external air independently from unit ventilation. It is available for two pipe and four pipe systems.

FCW

High Wall Fan Coil

Cooling 7,100 - 8,000 Btu/h | **Heating** 8,400 - 25,000 Btu/h

Four sizes available. The units are fed with hot water coming from a heat pump or from a common boiler and supply dry heating. The ability to control an independent heating and cooling valve is optional. Two or four pipe controller.

FCZ

FCZ US | Cabinet Fan Coil

Cooling 0.28 - 2.20 Tons | Heating 4,060 - 28,866 Btu/h

FCZ USP USPO | Ducted Fan Coil

Cooling 0.28 - 2.20 Tons | Heating 4,060 - 28,866 Btu/h

FCZ I US | Cabinet ECM Fan Coil

Cooling 0.45 - 1.85 Tons | Heating 6,278 - 21,500 Btu/h

FCZ I USP | Ducted ECM Fan Coil

Cooling 0.45 - 1.85 Tons | Heating 6,278 - 21,500 Btu/h

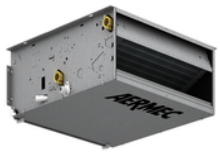
MZC

Zone Damper

Plenum with motorized dampers for zone and air control

Controls the air flow by adjusting the fan speed as dampers open and close. It adjusts the flow rate of the air along with the damper. This automatic adjustment of the motor speed allows for no bypass damper.

VED



Ducted Fan Coil

Cooling 2.23 - 5.15 Tons | **Heating** 32,000 - 74,500 Btu/h

Ducted fan coil for both winter and summer operation. The units can integrated into the VMF system which allows the control of a single fan coil with accessories and the management of the VED introduced in fan coil networks.

VENTILCASSAFORMA

Recessed in Wall Fan Coil

Designed to suit modern interior architecture

A galvanized template makes it possible to house fan coils in the wall. When the fan coil is installed it can be hidden from view. The Ventilcassaforma is available for fan coils in the FCZ USP series in two pipe systems or four pipe systems.