WE MAKE **INDOOR AIR BETTER**



SEMI-CUSTOM AIR HANDLING UNIT E SERIES

ENERGY RECOVERY (ENTHALPY WHEEL)

EC-PLENUM FANS

RANGE: 1,000 ï¿½0,000 CFM

WATER COOLED AND WATER SOURCE HEAT PUMP UNIT

KEEPKOOL
BY THERMOPLUS AIR INDUSTRIES INC.

24,000 BTU/HR TO 240,000 BTU/HR VERTICAL CONFIGURATION
24,000 BTU/HR TO 96,000 BTU/HR HORIZONTAL CONFIGURATION

Packaged indoor units feature R410A scroll compressor(s) water cool and water source heat pump completely pre-piped and wired for residential and commercial applications.

Standard Features:

ï¿‰ Belt driven fans
ï¿‰ Refrigerant high and low pressure cut-out switches
ï¿‰ Access ports on high and low sides
ï¿‰ Thermostatic expansion valve
ï¿‰ Pre-painted casing with 1/2ï¿‰ insulation
ï¿‰ 2ï¿‰ Merv 8 Filter
ï¿‰ 4 year extended compressor warranty

Operating Range:

ï¿‰ Entering Air: 70ï¿‰F thru 82ï¿‰F DB 61ï¿‰F thru 70ï¿‰F WB
ï¿‰ Entering water temperature: 40ï¿‰F thru 90ï¿‰F water cool and 55ï¿‰F thru 90ï¿‰F water source heat pump
ï¿‰ ESP ï¿‰ Belt drive up to 1.5ï¿‰ï¿‰

Optional Features:

ï¿‰ Multi Air Discharge options
ï¿‰ Aqua Aero coated coils
ï¿‰ Copper fin coils
ï¿‰ Non-fused disconnect
ï¿‰ Compressor sound cover
ï¿‰ Merv 11, 13, 14 or 15 filters
ï¿‰ 2 Stage compressor
ï¿‰ Dual power connection
ï¿‰ Dirty filter switch
ï¿‰ Variable Frequency drive no bypass (Installed external to the unit)
ï¿‰ 300 PSI operating condition on waterside
ï¿‰ Double wall construction
ï¿‰ Coil options (HOT WATER, STEAM, ECONO, HGRH)
ï¿‰ Heat pump operation with water reversing valve
ï¿‰ Piezzo-meter transducer
ï¿‰ Electric heater w/SCR or ON/OFF
ï¿‰ Cupro-nickel co-axial condenser
ï¿‰ Smoke detector
ï¿‰ 1/2ï¿‰ï¿‰ or 1ï¿‰ï¿‰ foil aluminum insulation
ï¿‰ DDC Controls w/BACnet (Installed external to the unit)

24,000 BTU/HR TO 240,000 BTU/HR VERTICAL CONFIGURATION
24,000 BTU/HR TO 96,000 BTU/HR HORIZONTAL CONFIGURATION

Packaged indoor units feature R410A scroll compressor(s) Air cooled completely pre-piped and wired for residential and commercial applications.

Standard Features:
ï¿‰ Belt driven fans
ï¿‰DDC Controls w/BACnet
ï¿‰ Refrigerant high and low pressure cut-out switches
ï¿‰ Access ports on high and low sides
ï¿‰ Thermostatic expansion valve
ï¿‰ Pre-painted casing with 1/2ï¿‰ insulation
ï¿‰ 2ï¿‰ Merv 8 Filter
ï¿‰year extended compressor warranty

Operating Range:
ï¿‰ Entering Air: 70ï¿‰F thru 82ï¿‰F DB 57ï¿‰F thru 70ï¿‰F WB
ï¿‰ ESP ï¿‰ EC Plenum fan up to 2ï¿‰ï¿‰

Optional Features:
ï¿‰ Multi discharge options
ï¿‰ Aqua Aero coated coils
ï¿‰ Copper fin coils
ï¿‰poxy fin coils
ï¿‰ Non-fused disconnect
ï¿‰ Compressor sound cover
ï¿‰ Merv 11, 13, 14 or 15 filters
ï¿‰ 2 Stage compressor
ï¿‰ Dual power connection
ï¿‰ Dirty filter switch
ï¿‰ Magnhelic gauges
ï¿‰ Double wall construction
ï¿‰ 1/2ï¿‰ï¿‰ or 1ï¿‰ï¿‰ foil aluminum insulation
ï¿‰oil options (HWC, STEAM)
ï¿‰DDC Controls w/BACnet
ï¿‰ Piezzo-meter transducer
ï¿‰ Electric heater w/SCR or ON/OFF
ï¿‰moke detector

IRD PACKAGE DEHUMIDIFIER

ICE RINK DEFOGGER ï¿½ 6.5 LBS/HR TO 21 LBS/HR

IRD indoor packaged R448A dehumidification unit specifically designed for optimal airflow and maximum moisture removal for arenas (skating, hockey, curling).

Standard Features:

- ï¿‰ Refrigerant components out of air stream to ease service accessibility
- ï¿‰ Forward curve fan with adjustable pulley
- ï¿‰ Continuous fan operation to prevent humidity build-up on/off cycle
- ï¿‰ Humidistat
- ï¿‰ Innovative demand defrost system for quick and efficient defrost
- ï¿‰ Heated stainless steel drain pan
- ï¿‰ True sub-cooling circuit
- ï¿‰ Refrigerant high and low pressure cut-out switches
- ï¿‰ External high and low pressure service access valves and sight glass
- ï¿‰ Thermostatic expansion valve
- ï¿‰ Pre-painted G90 galvanized casing
- ï¿‰ 2ï¿‰ Merv 8 filter

Operating Range:

- ï¿‰ Entering air temperature: 34ï¿‰F thru 80ï¿‰F DB
- ï¿‰ Relative humidity: 50% thru 100%
- ï¿‰ ESP up to 2.0ï¿‰

Optional Features:

- ï¿‰ Aqua Aero coated coils
- ï¿‰ Non-fused disconnect
- ï¿‰ Compressor sound cover
- ï¿‰ DDC control w/humidistat
- ï¿‰ BACnet
- ï¿‰ Air supply diffuser
- ï¿‰ Plenum fan motora

1,000 CFM TO 10,000 CFM

Packaged roof top or indoor units with energy recovery and heat transfer for commercial and residential applications (Office buildings, schools, residential buildings, etcï¿‰).

Standard Features:

- ï¿‰ Double wall construction
- ï¿‰ 2ï¿‰ Fiber glass insulated panels
- ï¿‰ Energy recovery wheel w/Frost control
- ï¿‰ Plate Heat exchanger w/Frost control
- ï¿‰ EC Plenum fan
- ï¿‰ Single power connection

Optional Features:

- ï¿‰ Multi Air discharge options
- ï¿‰ 2ï¿‰ï¿‰ Foamed injected panels
- ï¿‰ Thermal break construction
- ï¿‰ Packaged air cooled condensing unit
- ï¿‰ Packaged water cool or water source HP
- ï¿‰ R-410A digital scroll compressor
- ï¿‰ R-410A 2 Speed Scroll compressor
- ï¿‰ Electric heater w/SCR or ON/OFF
- ï¿‰ Aqua Aero coated coils
- ï¿‰ Copper fin coils
- ï¿‰ Epoxy fin coils
- ï¿‰ Dual power connection
- ï¿‰ Cupro-nickel co-axial condenser
- ï¿‰ Compressor sound blanket
- ï¿‰ Magnhelic gauges
- ï¿‰ Dirty filter switch
- ï¿‰ Coil options (HOT WATER, CHILLED WATER, ECONO, HGRH)
- ï¿‰ Piezzo-meter transducer
- ï¿‰ Indirect gaz burner (MOD)
- ï¿‰ Merv 11, 13, 14 or 15 filters
- ï¿‰ Insulated dampers
- ï¿‰ Motorized damper actuators

WATER COOL W SERIES

VERTICAL CONFIGURATION

RANGE: 24,000 BTU/HR TO 240,000 BTU/HR

WE MAKE INDOOR AIR BETTER

KEEPKOOL
BY THERMOPLUS AIR INDUSTRIES INC.

For more than 30 years we have provided our customers with quality, innovative, high performance products carefully engineered for better indoor air.

COMFORT SOLUTIONS

W Series indoor self-contained water-cooled systems from ù 1.5 to 90 HP available in a variety of configurations and options (Air Conditioner, Heat Pump, Make up Air and Condensing Unit)

COMFORT SOLUTIONS

A Series indoor self-contaiẏŜŘ Ⅰ-ℕ-cooled systems from ù 1.5 to 60 HP available in a variety of configurations and options (Air Conditioner Condensing Unit)

DEHUMIDIFICATION

I Series indoor dehumidifiers from 1 to 10 HP available in a variety of configurations and options. (Portable, compact, commercial and industrial applications)

INDOOR AIR QUALITY

E Series custom energy recovery ventilators available in a variety of configurations and options. (Enthalpy Plate or Wheel with or without Cooling and Heating option)

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