

WE MAKE INDOOR AIR BETTER



 **KEEPKOOL** by ThermoplusAir [thermoplus.com](http://thermoplus.com)

**SEMI-CUSTOM AIR HANDLING UNIT E SERIES**





**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:**

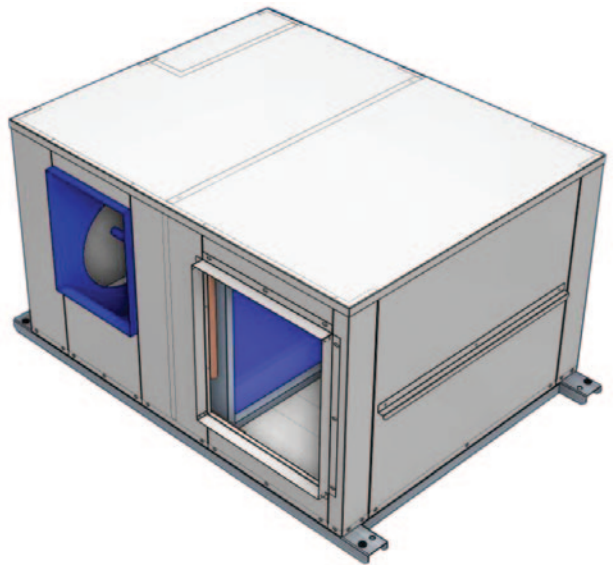
- Belt driven fans
- Refrigerant high and low pressure cut-out switches
- Access ports on high and low sides
- Thermostatic expansion valve
- Pre-painted casing with 1/2" insulation
- 2" Merv 8 Filter
- 4-year extended compressor warranty

**Operating Range:**

- Entering Air: 70°F thru 82°F DB / 61°F thru 70°F WB
- Entering water temperature: 40°F thru 90°F water cool and 55°F thru 90°F water source heat pump
- ESP – Belt drive up to 1.5"

**Optional Features:**

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>▪ Multi Air Discharge options</li> <li>▪ Aqua Aero coated coils</li> <li>▪ Copper fin coils</li> <li>▪ Non-fused disconnect</li> <li>▪ Compressor sound cover</li> <li>▪ Merv 11, 13, 14 or 15 filters</li> <li>▪ 2 Stage compressor</li> <li>▪ Dual power connection</li> <li>▪ Dirty filter switch</li> <li>▪ Variable Frequency drive no bypass (Installed external to the unit)</li> </ul> | <ul style="list-style-type: none"> <li>▪ 300 PSI operating condition on waterside</li> <li>▪ Double wall construction</li> <li>▪ Coil options (HOT WATER, STEAM, ECONO, HGRH)</li> <li>▪ Heat pump operation with water reversing valve</li> <li>▪ Piezzo-meter transducer</li> <li>▪ Electric heater w/SCR or ON/OFF</li> <li>▪ Cupro-nickel co-axial condenser</li> <li>▪ Smoke detector</li> <li>▪ 1/2" or 1" foil aluminum insulation</li> <li>▪ DDC Controls w/BACnet (Installed external to the unit)</li> </ul> |
|---|--|



## AIR COOLED PACKAGED 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:

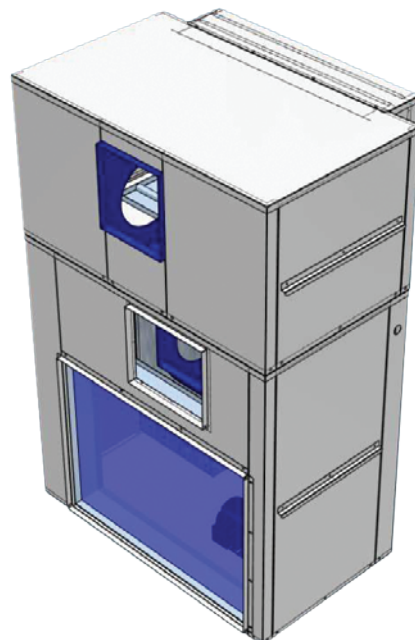
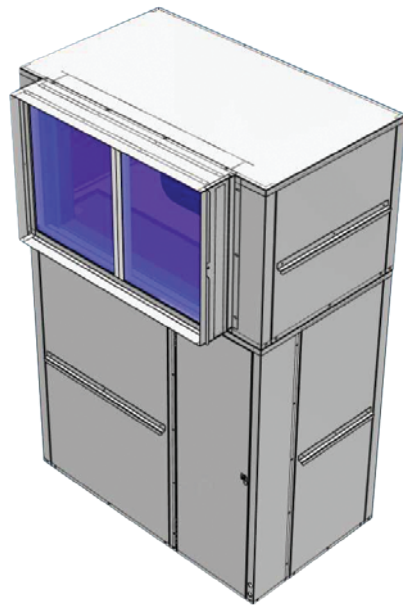
- Belt driven fans
- DDC Controls w/BACnet
- Refrigerant high and low pressure cut-out switches
- Access ports on high and low sides
- Thermostatic expansion valve
- Pre-painted casing with 1/2" insulation
- 2" Merv 8 Filter
- 4-year extended compressor warranty

#### Operating Range:

- Entering Air: 70°F thru 82°F DB / 61°F thru 70°F WB
- ESP – EC Plenum fan up to 2"

#### Optional Features:

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



## IRD PACKAGE DEHUMIDIFIER



### ICE RINK DEFOGGER – 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:

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

#### Operating Range:

- Entering air temperature: 34°F thru 80°F DB
- Relative humidity: 50% thru 100%
- ESP – up to 2.0"

#### Optional Features:

- Aqua Aero coated coils
- Non-fused disconnect
- Compressor sound cover
- DDC control w/humidistat
- BACnet
- Air supply diffuser
- 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, etc...).

#### Standard Features:

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

#### Optional Features:

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







WE MAKE **INDOOR AIR BETTER**



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 – 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-contained air-cooled systems from – 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)



**KEEPKOOL**  
by ThermoPlusAir

**thermoplus.com**

**THERMOPLUS AIR INDUSTRIES INC**  
262 Scott Street  
Saint-Jérôme, QC Canada J7Z 1H1

**Phone** 450.436.7555  
**Fax** 450.436.5970  
**Email** info@thermoplus.com