

Evaporative Cooling

REC

For Makeup Air, designed as freestanding module with duct flanges for connection upstream from an air moving device

- Easily accessible, self-cleaning, high-efficiency evaporative media of 6" rigid cellulose media
- Thermally protected water pump
- Electrical motor-protection float switch with stainless steel arm
- Float valve and bleed line
- 115 volt supply voltage
- Terminal block wiring



Condensers

MASA

Optimized for use with any of the PREEVA Series of indirect fired HVAC systems

- Normal operating range 55° to 115°F ambient
- Dual compressor system to provide 3 stage capacity control - 1/3, 2/3 or full
- Pre-coat off-white gloss cabinet finish, G-90 coated material on exterior surface and primer on interior surface, 60 gloss, meets ASTM B117 specification for salt spray to 1,000 hours
- Service access door
- Corrosion resistant, easily cleanable, all-aluminum condenser coil
- Liquid line filter driers - shipped loose with unit for field installation
- Refrigerant receiver for each circuit
- Fork lift openings built into the heavy gauge base
- 208-230/3/60 unit supply voltage (20 ton unit available in 460/3/60 only)
- 24 Volt controls
- 75VA transformer with manual reset circuit breaker
- Isolation relay on control circuit
- High and low pressure switches
- Service valves on liquid and suction lines
- Angled condenser coil to prevent damage
- UL Listed for use in U.S. and Canada (UL 1995 Heating and Cooling Equipment)
- CE Approved to ENV 327 and EuroVent 7.1 and 8.1



Light Commercial Air Handlers

B6TM

For Split System Heat Pumps & Air Conditioners

- Two speed, 2 HP blower motor
- Coils constructed using 3/8" OD seamless copper tubing mechanically expanded to highly efficient aluminum fins to maximize heat transfer
- Coils shipped with a dry Nitrogen
- 7½ ton model is a single refrigeration circuit, 10 ton model is dual circuited
- Factory installed bi-flow expansion valves approved for straight cool or heat pump operation
- Drain pans coated for corrosion protection, ¾ inch FPT drain connection
- Heater kits available in 10 - 36 kW



B6BMMO

Multi-Speed, Multi-Poised, for Split System Heat Pumps & Air Conditioners 18,000 - 60,000 BTUH

- Galvanized steel durable, attractive cabinet with a polyester urethane finish
- Corrosion-resistant plastic drain pan
- Horizontal, upflow, downflow and vertical applications
- Plug-in wire connections, built-in filter rack
- Plug-in heater kits available in 5kW - 30kW (not for use in 115 volt units)



Light Commercial Packaged Systems

P7TQ

Packaged Electric/Electric

- Meet or exceed ASHRAE 90.1 - 2013
- Fits many Carrier pre-existing curbs
- Hinged access doors
- State of the art scroll compressor
- High efficiency blower motor
- High-pressure switches featuring manual reset
- Hi/low service ports for easy service allow quick access
- Permanently lubricated heavy duty PSC motor requires no maintenance
- Two-stage cooling & single-stage heating
- Up to 12.9 IEER
- 6, 7½, 10 and 12½ ton



Light Commercial Packaged Systems

DF6SF

iHybrid® Dual Fuel, 80,000 - 120,000 BTUH Input, Single Phase

- Copeland Ultra-Tech® Scroll state-of-the-art two-stage compressor
- Swept-wing fan blade combined with custom venturi condenser fan
- Compressor sound blanket
- 2-stage gas heat/2-stage cooling
- Variable-speed blower
- 15 SEER, 81% AFUE, 8.0 HSPF, 12 EER
- 2 - 5 ton



P8SE

Packaged Air Conditioner, Single Phase

- 5-speed ECM blower motor provides wide range of airflows
- Copeland Scroll® state-of-the-art compressor
- Indoor and outdoor all-aluminum coils
- TXV externally equalized provides precise refrigerant control under varying load conditions
- 14 SEER, up to 11.5 EER
- 3, 4 and 5 ton



Q6SE

Packaged Heat Pump, Single Phase

- Copeland Scroll state-of-the-art compressor
- 5-speed ECM blower
- TXV externally equalized provides precise refrigerant control under varying load conditions
- Suction accumulator protects from liquid flood back and future compressor failures
- 14 SEER, 8.0 HSPF, 11 EER
- 2 - 5 ton



R8GE

Packaged Gas/Electric, Single Phase

- State-of-the-art Copeland Scroll compressor
- All-aluminum coils
- High and low pressure switches for added compressor protection
- Horizontal or downflow convertible air delivery
- SmartLite® ignition control board
- 14 SEER, 81% AFUE, 11.2 EER



Light Commercial Packaged Systems

R8HE

Packaged Gas/Electric, Single Phase

- Copeland Scroll state-of-the-art compressor
- All-aluminum indoor and outdoor coils
- Powder coated wire guard and plastic mesh never rust hail guard
- Access panels provided to all controls and the compressor
- Permanently lubricated heavy duty PSC motor requires no maintenance
- 95% AFUE, 14 SEER, up to 12 EER
- 2 - 5 ton



Light Commercial Condensers

WSA2BD/ WSH2BE

13 SEER Split System Air Conditioner/ 14 SEER Split System Heat Pump, Slab or Rooftop Mounting, 3-Phase

- Wire guard and mesh hail guard protect against flying debris and other hazards
- Corrosion resistant composite base pan
- All aluminum outdoor coil
- Heavy duty permanently lubricated PSC motor requires no maintenance
- Full service brass valves are easily accessible and simplify servicing
- High pressure switch with auto-reset
- 3, 4 & 5 ton



Additional Heat Pump Features

- Demand defrost control

S6BQ/T6BQ

12.9 IEER/12.2 IEER, 3.3 COP, Two-Stage Split System Air Conditioner/ Heat Pump

- State-of-the-art Copeland Ultra Tech® Scroll compressor
- High/low pressure switches
- Galvanized steel cabinet with a polyester urethane finish
- Copper tube/aluminum fin indoor and outdoor coils designed to optimize heat transfer
- Heavy duty permanently lubricated PSC motor requires no maintenance
- Crankcase heater
- 7 ½ & 10 ton



Additional Heat Pump Features

- Time/temperature defrost control
- Suction accumulator protection

Vertical Indoor Air Handlers

CAUA with ACUA

Indoor, Vertical (Upflow) Split System Provides Efficient Heating, Cooling and/or Makeup Air, 150 - 400 MBH (heat)/ 5 - 20 DX cooling

- Orifices for natural gas
- Centrifugal blower
- Burner rack with inshot burners
- Direct ignition with 100% lockout
- Single-stage combination gas valve
- Multiple inlet air configurations
- 230/1/60 supply voltage



Indoor Air Handlers

SSCBL

Extended Capacity, Separated Combustion, Gas Fired, Indoor, Packaged Duct Furnaces/Blower Combination, 400,000 - 1,200,000 BTUH Input

- Orifices for natural gas
- Aluminized steel burners with stainless steel insert
- 208-volt power supply
- 24-volt control transformer
- Intermittent spark pilot
- Fan and limit safety controls
- Reverse air flow limit
- Options for complete stainless steel heat exchanger and burner components
- DDC plus electro-mechanical control options



SHH

Super High Efficiency, Gas Heating, Separated Combustion, available in 4 sizes, 130MBH, 180MBH, 260MBH and 350MBH

- Patented T_{CORE}³ combustion system with T_{CORE}^{CR} heat exchanger
- ETL certification
- Minimum 91% thermal efficiency throughout modulated range
- Proven separated-combustion technology including shipped-separate vent/combustion air kit (vertical or horizontal)
- Maximum 70°F temperature rise (optional 120°F)
- Dedicated reheat DX/chilled water coil
- 5 - 20 tons split DX custom coil
- Custom chilled water coil
- DDC plus electro-mechanical control options

Indoor Air Handlers

SDH

High Efficiency, Gas Heating, Separated Combustion, 11 sizes, 75 MBH - 400 MBH

- Patented T_{CORE}² combustion system - includes titanium stabilized aluminized steel heat exchanger
- ETL certification
- Minimum 81% thermal efficiency throughout modulated range
- Proven separated-combustion technology including shipped-separate vent/combustion air kit (vertical or horizontal)
- Maximum 70°F temperature rise (optional 120°F)
- Circuit breaker protected transformer for 24-volt controls
- Integrated circuit board with diagnostic indicator lights
- Multi-try direct spark ignition with 100% lockout
- High temperature limit control
- Rubber-in-sheer vibration isolation
- Cooling options same as SHH model
- DDC plus electro-mechanical control options

PDH

High Efficiency, Gas Heating, available in 11 sizes 75 MBH - 400 MBH

- Patented T_{CORE}² combustion system - includes titanium stabilized aluminized steel heat exchanger
- ETL certification
- Minimum 81% thermal efficiency throughout modulated range
- Maximum 70°F temperature rise (optional 120°F)
- DDC plus electro-mechanical control options
- Circuit breaker protected transformer for 24-volt controls
- Integrated circuit board with diagnostic indicator lights

PEH

Electric Heat, 4 Cabinet Sizes, 13 Electric Heat Sizes (22 - 120 kW)

- ETL certification
- 20°-75°F temperature rise (20° temperature rise not available on all sizes)
- DDC plus electro-mechanical control options
- Circuit breaker protected transformer for 24-volt controls
- High temperature limit control
- Rubber-in-sheer vibration isolation
- L50 bearing rating with a life expectancy of 150,000 hours
- Reverse airflow limit switch
- Airflow pressure switch to verify circulating blower operation on makeup air options
- SCR electric heat control

Outdoor Air Handlers

RPB/RPBL

Extended Capacity, Power-Vented, Gas Fired, Outdoor, Packaged Duct Furnaces/Blower Combination, 100,000 - 1,200,000 BTUH Input

- Orifices for natural gas
- Aluminized steel heat exchanger (When inlet air temperature is below 40°F or temperature rise is less than 40°F, optional stainless steel heat exchanger is recommended)
- Aluminized steel burners with stainless steel insert
- 208-volt power supply
- 24-volt control transformer
- Intermittent spark pilot
- Fan and limit safety controls
- Reverse air flow limit
- Twin centrifugal blowers with adjustable belt drive
- Pre-wired to terminal blocks
- Power venter



RBL

Packaged Air Handling Unit

- Blower/filter cabinet
- Twin centrifugal blowers
- 1 HP, open drip proof motor
- Permanently lubricated ball bearings (1 - 5 HP)
- Pillow block bearings (7-1/2 - 20 HP)
- Adjustable belt drive
- 115-volt supply voltage
- 24-volt, 40 VA control transformer
- Weatherized, aluminized steel construction (Single wall uninsulated)
- Left side controls (facing airstream)
- Horizontal discharge and inlet air openings
- Curb cap base

RHH

Super High Efficiency, Gas Heating, available in 4 sizes, 130 MBH, 180 MBH, 260 MBH and 350 MBH

- Patented T_{CORE}³® combustion system with T_{CORE}^{CR}® heat exchanger
- Minimum 91% thermal efficiency throughout modulated range
- Maximum 70°F temperature rise (optional 120°F)
- DDC plus electro-mechanical control options
- Evaporative cooling available
- Circuit breaker protected transformer for 24-volt controls
- Integrated circuit board with diagnostic indicator lights
- Multi-try direct spark ignition with 100% lockout
- High temperature limit control
- Rubber-in-sheer vibration isolation

Outdoor Air Handlers

RDH

High Efficiency, Gas Heating, available in 11 sizes 75 MBH - 400 MBH

- Patented T_{CORE}²® combustion system - includes titanium stabilized aluminized steel heat exchanger
- ETL certification
- Minimum 81% thermal efficiency throughout modulated range
- Maximum 100°F temperature rise (optional 120°F)
- DDC plus electro-mechanical control options
- Circuit breaker protected transformer for 24-volt controls
- Integrated circuit board with diagnostic indicator lights

REH

Electric Heat, 4 Cabinet Sizes, 13 Electric Heat Sizes (20 - 120 kW)

- ETL certification
- 20°-75°F temperature rise (20° temperature rise not available on all sizes)
- Double wall cabinet construction
- Pre-coat white gloss cabinet finish (all units); 60 gloss minimum and RAL 9001, meets ASTM B117 specification for salt spray for 1,000 hours
- DDC plus electro-mechanical control options
- SCR electric heat control
- Circuit breaker protected transformer for 24-volt controls

Destratification

AEB

Vertical, Indoor or Outdoor, Air Turnover Unit with Optional Heating, Cooling Capacity 3,000 - 150,000 CFM - 7.5 Ton to 200 Ton, Heating Capacity 200 - 6,000 MBH (Output)

- Indirect fired designed for indoor or outdoor installation where air turnover (destratification) is desired
- Hinged access doors with stainless steel piano hinges, compression latches and safety switch
- Numbered control wiring, terminal strip and component identification labels
- EEPAC high efficiency fan motor with adjustable 1.5 s.f. V-Belt drive
- Control transformer with service switch and circuit breaker
- All wiring external to control cabinet within BX cable or conduit



MAPS® Packaged Systems (DOAS)

RCC, RDC, RDCC, RDDC, RECC, REDC, RCB, RDB, RDCB, RDCB, RECB, REDB

Cooling, Heating, Dehumidifying MUA Rooftop Systems Cool and Heat High Volumes of Outside Air, Cooling Capacity 3,600 - 12,500 CFM – 20 Tons to 60 Tons

- IQ digital controller
- 20% - 100% capacity control
- Modulated capacity scroll compressor with internal motor overload
- Fully interlaced coils
- Double wall construction standard - R9 or higher value
- Hinged access doors with handles
- Re-Heat Pump™ dedicated reheat cycle
- 2 - 4 staged control
- Optional SCR control
- 3 - 8 Stages of cooling
- 6:1 gas modulation
- Natural and propane gas
- Hot gas reheat



Dedicated Outdoor Air Systems (DOAS)

R7DA

Gas/Electric Packaged DOAS System, 6, 7½, 10 and 12½ ton packaged DX - Heating Capacity 100-225 MBH Gas Heat, 10-80 kW Electric Heat

- Factory installed electric heat (10-80 kW)
- Easy control section access
- Unit mounted disconnect available
- 208/230V & 460V power
- Terminal wiring connections
- Standard thermostat connection
- Single power
- 4.1 ISMRE efficiency meets standard 90.1-2016
- R410-A refrigerant
- Driers & TXV
- Lightweight all-aluminum evaporator coil
- ½ the refrigerant use
- Corrosion proof drain pan
- Overflow alarm switch available
- Patented hot gas reheat
- Low, medium & high gas heat
- 304 stainless steel heat exchanger
- High altitude & propane conversion kits
- Four corner bottom lifting connections
- Field convertible horizontal supply
- Enhance security burglar bars (return & supply access available)
- Economizer Title 24 complainant with filtered
- Outdoor air available (field or factory installed)
- 2 position manual & motorized outdoor air intake available (factory or field installed)
- Filtered (MERV 5) & hooded intake
- CO₂ demand control available
- Building pressurization control
- DDC plus electro-mechanical control options
- BACNet available



Dedicated Outdoor Air Systems (DOAS)

YWMA

Makeup Air/Ventilation, 800 - 10,000 CFM

- 1/2" & 5/8" – Chilled water and hot water coils
 - aluminum and copper fin options
 - .020 & .025 tube wall options
 - Optional coated coils
 - Galvanized or optional stainless steel casing
- (Optional) Gas Heat 50 - 800 MBH
 - Up to 10:1 modulation
 - 81% or 90+% efficient
- (Optional) Electric Heat - 20 - 120 kW
 - SCR Modulation
- Energy recovery
- Multiple inlet air options
- Power exhaust
- Direct drive plenum fans
- ABB VFD or ECM Fan Control
- 2" foam panel construction
- Hinge door access
- Filtered and baffled outside air intake hood
- Rust proof drain pan
- MERV 8 & 13 coil filters
- ERV filters
- Smoke detector
- Dirty filter switches
- Convenience outlet
- Factory Installed Energy Recovery and Power Exhaust options available
- BACNET communicating DDC Controls
- Airflow Monitoring Station options available



YDHA

Space Conditioning, 1,000 - 10,000 CFM – 5 Tons to 30 Tons, Heating Capacity 75 - 600 MBH Gas Heat – 10 - 90 kW Electric Heat

- High efficiency digital scroll technology
- Exceeds ASHRAE standard 90.1 requirements
- Includes TCore³® condensing heat technology
- Fully interlaced coils
- Compressor anti-cycle programming
- Natural gas or propane furnace
- Double wall foam panel construction – R13
- Hinged access doors with slam latches
- Condensing gas heat (92%)
- Integral energy recovery
- Low ambient dehumidification operation
- Slide out: heat exchanger(s), fan & wheel



Dedicated Outdoor Air Systems (DOAS)

YDMA

Makeup Air Ventilation, 1,000 - 10,000 CFM – 5 Tons to 30 Tons, Heating Capacity 75 - 800 MBH – 10 - 90 kW Electric Heat

- High efficiency digital scroll technology
- ECM condenser fans and optimized coil designs
- Exceeds ASHRAE standard 90.1 requirements
- Includes T_{CORE}³ condensing heat technology
- Fully interlaced coils
- Compressor anti-cycle programming
- Natural gas or propane furnace
- Double wall foam panel construction – R13
- Hinged access doors with slam latches
- Condensing gas heat (92%)
- Integral energy recovery
- Low ambient dehumidification operation
- Slide out: heat exchanger(s), fan & wheel
- Factory Installed Energy Recovery and Power Exhaust options available
- BACNET communicating DDC Controls
- Airflow Monitoring Station options available



ZQYRA

Hybrid IAQ Ventilator, 600 - 1,500 CFM

- Modulating direct expansion heat pump system
- Durable total enthalpy wheel (ARI Certified)
- Field convertible vertical or horizontal flanged supply/return air openings
- Outdoor intake & exhaust rain hoods
- MERV 8 filters for outside and return air streams
- Long lasting G90 painted exterior
- Full double wall insulated construction in supply air stream
- Bottom lifting lugs
- Simple user interface to setup and control unit
- Supply & return fans: electronically commutated motor (ECM) - 96% efficiency
- 10kW auxiliary heat
- SCR control of auxiliary heat
- Unit mounted display
- Corrosion-proof sloped drain pan



Optional Accessories

CL1

Single-Stage Heating/Cooling Thermostat

- 24 Volt
- Non-programmable
- 50° - 90°F
- For Model RPB only



Optional Accessories

CL9

Override Thermostat for Electronic Modulation

- Low voltage
- Electronic modulating
- 60-85°F
- MUA applications
- vertical mounting
- SPST
- Line voltage



CL22

Two-Stage Heating/Cooling Thermostat

- 24 Volt
- Non-programmable
- 50° - 90°F



CL23

Electronic Two-Stage Heating/Cooling Thermostat

- 7-Day programmable
- 24 VAC
- LCD touch-screen display
- Microprocessor control
- Selectable output staging



CL33 Wall & RCT5 Console Mounts

Electronic Programmable Thermostat

- 24 Volt
- Auxiliary relay
- Up to 2 stages heating/cooling



CL52 Wall & RTC9 Console Mounts

Electronic Single-Stage Heating/Cooling Thermostat

- 5 Day/2 Day Programmable
- LCD Display



CL77

4 Wire Space Mounted Sensor Display provides IQ system information:

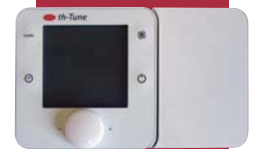
- Degree C or F selectable
- Temperature setpoint buttons
- Occupied/unoccupied mode button
- Fan speed control



CL78

Wall Mounted DDC Temperature Monitor

- Space temperature and humidity sensor with room setpoint adjustment
- 5 wire device, 3 wire communication
- 24 volt power and ground



RB5

Wall Mounted Remote Monitor Display

- Display allows access to unit test features, schedules, discharge air setpoints, fan control, alarms
- 4 wire device
- 2-wire 24 VAC power
- 2-wire communication



Limited Product Warranty.

Reznor warrants to the original owner-user that these products will be free from defects in material or workmanship. For specific details see actual warranty or contact your Reznor sales representative.

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