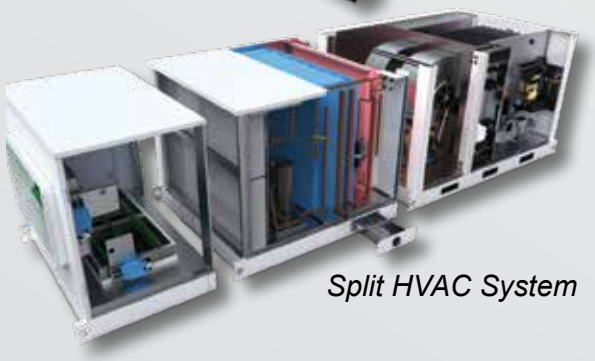
REZNOR®

Packaged HVAC System

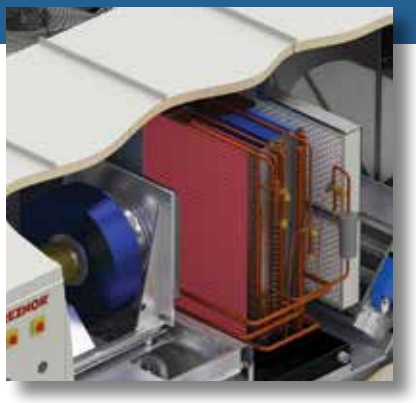


Split HVAC System

Superior Dehumidification with *ReHeat Pump™*

The Competitive Edge

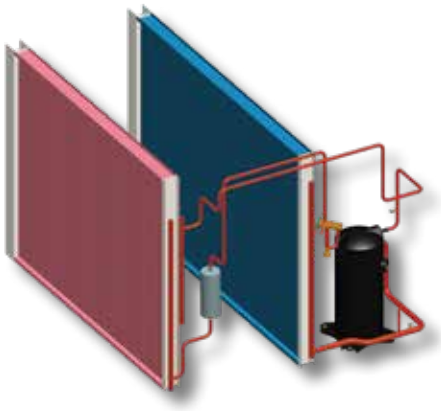
What is the Reznor Edge?



Reznor Edge: A high efficiency, self contained dehumidification system that truly works when you need it the most. This dehumidification system is superior to hot gas reheat (HGRH) systems. You'll find this *ReHeat Pump*™ technology only on Reznor packaged and split systems.

Reheat Pump Dehumidification System

- Predictable performance that engineers can schedule
- High efficiency that saves real operational dollars
- Inherently stable operation for all load conditions
- Reliable performance that can be field verified



Why Reheat? ...To Avoid Over-Cooling of the Space

Dehumidification is the removal of water (humidity) from the air. In most cases this is accomplished by cooling the air to the desired dewpoint which is normally between 52°-58°F (11°-14°C). Reheat is necessary when the dehumidified air is too cold to be delivered to the space. In all cases the air is reheated to room neutral 70°-74°F (21°-23°C); thereby, maintaining a comfortable space temperature.

When do you need it the most? ...Cold, rainy days!

When the outdoor air or indoor air has a relative humidity above 65% per ASHRAE Std 62.1, the air is considered too humid. This relates to a dewpoint above 58°F (14°C). If reheat is NOT applied, on cold, rainy days the result can be runaway conditions perceived as "cold and clammy."

Some typical applications include:

- Locker room with bath/showers
- Corridor ventilation / 100% OA
- Multi-purpose rooms
- Labs
- Pharmacies

How does a reheat pump compare to HGRH? ...Simple Vs Complex

The reheat pump and HGRH both meet ASHRAE Std 90.1 functional requirements; however, the reheat pump takes it one step further with energy efficient, stable, and verifiable performance.

HGRH systems...

- require low ambient (< 60°F) condenser fan controls
- experience periodic loss of temperature control for oil management programming
- require multiple compressor operation at low ambient
- require expensive field piping (split systems)

With the additional controls, the HGRH system is **extremely** hard to verify proper operation and performance.

The elegant reheat pump design eliminates these unnecessary headaches normally associated with HGRH system. Selecting the reheat pump for your application means you dehumidify the air when its needed the most.

Inlet Temp (db°F/wb°F)	Main DX Coil LAT (°F)	Main DX Coil Mod Cap	Reheat Pump COP	Reheat Pump Mod Cap	Unit LAT (°F)	Gallons per 8 hour day
95/78.8	52.4	99%	8.6	85%	72	111
80/75	52.1	79%	7.4	89%	72.2	106
80/73.4	52.2	36%	7.3	89%	71.9	105
68/66.2	51.8	20%	6.0	97%	72.6	68
62/62	55.1	OFF	6.0	100%	71.1	26

** 3000 CFM @ 1" E.S.P., 20 Ton Unit Capacity, AHRI 920 test conditions plus 62/62 included.*

For complete catalog information including submittals, energy calculations, dimension drawings, and more go to ReznorHVAC.com or call 800-695-1901.

168F-0318 (Replaces RE-ReHeatPump-0614)

REZNOR®