



ZONELINE[®] WITH MAKEUP AIR

MAKEUP AIR WITH THE PTAC

Now you can add the benefit of makeup air to the industry's most trusted PTAC, with GE Zoneline[®] Makeup Air. Factory-installed and tested, the makeup air module is a secondary system that continuously provides outdoor air, with an adjustable intake of 25-50* CFM. It also dehumidifies incoming outdoor air when humidity levels exceed 55% relative humidity.

Makeup air can assist if you need cost-effective alternatives to supplement rooftop units. It is also a solution to lower construction costs of new builds.

THERE ARE MANY REASONS ZONELINE PTAC RISES ABOVE THE REST:

POSITIVE PRESSURIZED SYSTEM WITH 25-50 CFMS*

Includes dedicated fans in the Makeup air system that are adjustable to 6 pre-set fan speeds to meet your needs. This design achieves makeup air without the need of a constantly running exhaust fan for proper system operation.*

The GE Zoneline makeup air system provides added flexibility to building ventilation designs.

AUTOMATIC VENT DOOR & OCCUPANCY SENSING TECHNOLOGY (optional)

The makeup air system is designed to bring in outdoor air when the room is occupied. An optional approved occupancy system can be enabled.

Zoneline Makeup Air features a motorized vent door. When paired with an approved occupancy system and the room is unoccupied, the vent door will close and the makeup air system will shut down.

This design saves energy and money by running the makeup system only when needed, while allowing the PTAC system to operate independently.

OPTIMAL RH OF 55%

Incoming outdoor air is dehumidified when relative humidity is above 55% and outdoor temperature is above 50°F.

This setting supports a healthy environment and creates a comfortable guest room setting.

TRUSTED RELIABILITY

Efficient module operation results in reduced wear and tear on the component.

Approved by leading hotel brands



*CFM levels tested at zero static pressure. The system characteristics are room neutral.

PTAC Direct Sales, Inc.
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ZONELINE PTAC WITH MAKEUP AIR COMMON SPECIFICATIONS

| DEHUMIDIFICATION | |
|-------------------------------|---|
| RH% Operation | >=55%, At >50°F outdoor temperature |
| Dehumidification rate* | 5 - 6 pints/24 hrs |
| MAKEUP AIR FAN | |
| Watts | 15 |
| Amps | 0.1 |
| Motors | 2 DC fan motors, in addition to PTAC fan motors |
| CFM Range | 25-50 CFM at zero static pressure |
| CFM Configuration | 6 stages pre-programmed: 25/30/35/40/45/50 |
| COMPRESSOR | |
| Voltage | 230/208 |
| Refrigerant | 134A |
| Watts | 205 |
| Rated Load Amps | 1.15/1.05 |
| Added operational load | 1.2A |
| Psig (high) | 220 |
| Psig (low) | 75 |
| MISCELLANEOUS | |
| Occupancy Sensing Compatible | YES** |
| CFM configuration control | Adjustable via AUX setting on control panel |
| PTAC AHRI Certification | YES |
| PTAC UL and cUL certification | YES |
| PTAC ASHRAE 90.2013 | YES |

*Dependant on CFM.

**RAKDC accessory required.

AZ45 SERIES | COOLING & ELECTRIC HEAT

| | 230/208V MODELS | |
|-----------------|-----------------|---------------|
| | AZ45E09DBM | AZ45E12DBM |
| Cooling BTUh | 9,100/9,100 | 11,800/11,700 |
| EER (BTUh/Watt) | 11.5/11.5 | 11.7/11.7 |

AZ65 SERIES | HEAT PUMP

| | 230/208V MODELS | | |
|--------------|-----------------|-------------|---------------|
| | AZ65H07DBM | AZ65H09DBM | AZ65H12DBM |
| Cooling BTUh | 7,000/7,000 | 9,200/9,100 | 11,400/11,500 |
| Heating BTUh | 6,200/6,100 | 8,000/7,900 | 10,200/10,000 |
| EER | 12.5/12.5 | 11.3/11.3 | 11.2/11.2 |
| COP | 4.0/4.0 | 3.3/3.3 | 3.5/3.5 |

| | 265V MODELS | | |
|--------------|-------------|------------|------------|
| | AZ65H07EBM | AZ65H09EBM | AZ65H12EBM |
| Cooling BTUh | 6,900 | 9,200 | 11,700 |
| Heating BTUh | 6,000 | 8,100 | 10,400 |
| EER | 12.5 | 11.5 | 11.4 |
| COP | 3.9 | 3.6 | 3.5 |

Each Zoneline Makeup Air unit has all the leading features of the base Zoneline unit—composite base pan, mastic sound barrier, auto dimming LED controls and many others. The GE Zoneline with Makeup Air is also covered by the same warranty as all other Zoneline models. Reference the GE Zoneline Architects & Engineering Manual for full system specifications.

DESIGN CONSIDERATIONS:

- To avoid bringing salt/corrosive air into living space, Makeup Air Systems are not recommended for installations within two miles of coastal areas
- The Makeup Air Module will increase room load requirements for both heating and cooling.
 - Consult with your architect or engineer to ensure proper sizing of the PTAC/PTHP unit to accommodate this additional load.
 - Due to additional heating and cooling load, energy costs of the room will increase with the use of makeup air.
 - Because makeup air increases room BTU load requirements and requires additional PTAC cooling or heating, the building's electrical needs may be impacted.
- Install Makeup Air Models with wall thermostats
- With the additional dehumidification of outside air, additional condensate will be generated and therefore an internal or external piped drain line is recommended.
- Consider noise levels before installing around areas with high traffic.
- It is the architect's/engineer's/contractor's/customer's responsibility to verify all state and local codes to ensure product meets local code requirements.
- Ducted installations are not available with makeup air models.

GE ZONELINE | QUIETEST PTAC IN THE INDUSTRY*



GE APPLIANCES



Listed by Underwriters Laboratories

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