

PE-Series

Penthouse Refrigeration Units



Phoenix
AIR SYSTEMS™

507.451.3524

www.phoenixairsystems.com

PE-Series Penthouse Refrigeration Units

Phoenix Air Systems™, a Specified Air Systems™ company, is a leading manufacturer of cooler and freezer room environmental control systems which also manufactures a variety of critical process hygienic air handling systems and air distribution accessories for the food and beverage processing industry.



Designed for convenience and ease of maintenance, the fully assembled PE-Series penthouse refrigeration units provide refrigeration for a variety of cooler and freezer applications. In addition to numerous features and benefits, PHOENIX AIR SYSTEMS™ PE-Series systems also offer several customer conveniences.

Phoenix Air Systems' Critical Room Environment Experts work with your team in developing solutions to your process and design challenges from concept through to commissioning and operation, with outstanding support after the sale. We provide exceptional products, at a competitive value, while focusing on providing superior service that exceeds customers' expectations. We have the knowledge and expertise to ensure your building's environment meets your needs.

Installed on the roof, PE-Series units free up valuable space in the conditioned area, thereby giving customers more room for storage or processing. In addition, the refrigeration piping, electrical wiring and condensate drain lines are outside the refrigerated space, which facilitates routine maintenance without interrupting operations and improves safety. Increased storage area and reduced downtime can translate into significant savings.

Convenience

Shipped factory-assembled, PE-Series units are delivered pre-wired, internally piped and ready to be set on the roof structure. These conveniences can further reduce installation time and cost.



Features

4" Panels with R-33 Rating	Increase performance and efficiency while reducing energy costs
Panel Cam lock design	Provides a rigid, vapor tight panel to panel seal
Smooth, galvanized interior finish	Minimizes catch points for dirt and debris
Embossed, galvanized exterior with white powder coat finish	Improves aesthetics and enhances equipment life
Two full size, fully insulated doors	Provides easy access to serviceable components
Single piece membrane roof	Provides a tough durable leak-proof seal
Premium efficiency totally enclosed fan cooled (TEFC) fan motor(s)	Improves unit efficiency, reducing operational costs
Fan motors wired to external NEMA 4 junction box with disconnect	Allows for easy installation and reduced first cost
Service Outlet (120 v power by others)	Provides convenience for service personnel with easy access to electrical supply
Two polycarbonate globe interior lights (120 v power by others)	Promotes a safe working environment for service personnel
Heavy duty galvanized steel internal structure construction	Promotes unit integrity and longevity

Benefits



Options

- 5" panels with R-42 rating or 6" panels with R-49 rating
- 304 stainless steel interior finish
- Exterior service lights (120v power by others)
- Galvanized or stainless steel air distribution plenums
- Three-way, four-way and custom design discharge plenums
- Surge drums and/or unit mounted surge drum support structure
- Factory-installed hot gas drain pan with factory piped check valve
- Fan motor starters, control transformer

Controls

All PHOENIX AIR SYSTEMS™ units come with an Allen-Bradley MicroLogix™ programmable controller which provides an INDUSTRY STANDARD, dedicated input/output system to enhance reliability and efficiency. Standard EtherNet/IP™ on-line editing and built-in LCD panel provides integration with end users' central control systems. Controls are programmable and expandable for custom applications and networking requirements for a variety of building and refrigeration control systems. Optional controllers include Allen-Bradley CompactLogix and ControlLogix.



Phoenix Air Systems™ is a leading manufacturer of **Hygienic Air Handling Systems** providing a comprehensive approach for the critical process environment of the food and pharmaceutical grade production and process industries. Our team of experts helps to ensure your building's environment meets your needs. We specialize in production room environmental control for a variety of product types and production requirements.



Hygienic Air Handlers
PH-Series Mixed Air Systems

Penthouse Refrigeration Units
PE-Series Cooling/Warehouse



Desiccant Hygienic Air Handlers

PHD-Series Mixed Air or 100% Make Up Air



Make Up Air Systems
PHM-Series 100% Make Up Air

Diffusers
PA-Series Supply/Return
Diffusers & Drain Pans



"The Phoenix Way"

We have the knowledge and expertise to help ensure satisfaction of the systems we build. We strive to provide exceptional products at a competitive value while focusing on providing superior service that exceeds customers' expectations.

Phoenix Air Systems™ can work with your team of experts in each step of the process – from concept and design, proposal, manufacturing and commissioning with outstanding support after the sale. We also offer a standard control system that can be integrated with existing refrigeration controls or process automation systems for enhanced process room environmental control.



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THE BRANDS OF
SPECIFIED AIR
SOLUTIONS

