



MPU

MODULAR PACKAGED UNIT

Packaged AC & heating unit for 100% outdoor air applications

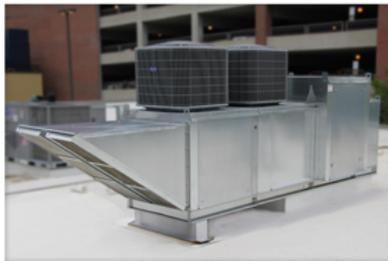
Sensible Cooling + Efficient Heating

The Modular Packaged Unit (MPU) is designed to be a factory packaged air conditioning and heating unit for 100% Outdoor Air (OA) applications. Units are sized to operate between 360 to 600 cfm/ton of cooling, depending on climate.

THE MOST EFFICIENT APPROACH TO MAKE-UP AIR



Recent Installations



Units Available

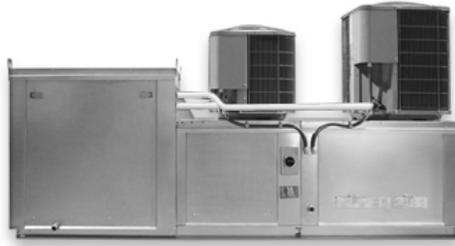
- ▶ Direct Fired Heat with Cooling Package
- ▶ Indirect Fired Heat with Cooling Package
- ▶ Electric Heat with Cooling Package
- ▶ Cooling Only Configurations
- ▶ Heat Pump Option - Ideal for small heating needs and where gas is not available
- ▶ AC Option - Sized for 150-300 CFM/ton of Cooling

Standard Features & Benefits

- ▶ High Efficiency Nominal 14 SEER Rating Condensers
- ▶ Integral Cooling Staged Thermostat
- ▶ Multiple Stage cooling for lower energy usage
- ▶ Pre-Piped and Charged Refrigeration Circuits
- ▶ Optimized for 100% OA for kitchen use
- ▶ Cooling requires no additional roof footprint
- ▶ Coils and Condensers sized to comfort cool make-up air
- ▶ R-410A Environmentally Friendly Refrigerant
- ▶ Thermal Expansion Valves and Filter/Dryer Kits
- ▶ External Equalization Lines for Thermal Expansion Valves
- ▶ Hard Start Relay Kits on the Condensers
- ▶ Condenser Disconnect Switch
- ▶ Vacuum Tested and Leak Checked Lineset/Coils
- ▶ Condenser Transformer Prewired
- ▶ Thermostat Prewired and Interlocked with Heater
- ▶ Integral Weather/Hail Guards

Optimized for high efficiency...

The modular packaged cooling unit is optimized to work in conjunction with highly efficient make-up air delivery methods, such as perimeter supply plenums. The unit can either have a down or end discharge, and can be used with both electric and gas heat. All refrigerant is environmentally friendly R-410A and condensers have a nominal SEER rating of 14 for greater efficiency.



One benefit of this unit is the multiple cooling stages. Multiple cooling stages increase the efficiency by not using 100% of the cooling capacity when this is not needed, thus allowing lower energy usage. An internal make-up air cooling thermostat automatically energizes the first stage when cooling of the make-up air is required. The same thermostat has a built in adjustable differential to energize the second stage of cooling when required.

The condensers are top mounted on the make-up air unit to minimize roof space requirements, and are situated for optimal airflow and serviceability.

Certifications

This certification mark indicates that the product has been tested to and has met the minimum requirements of a widely recognized (consensus) U.S. and Canadian products safety standard, that the manufacturing site has been audited, and that the applicant has agreed to a program of periodic factory follow-up inspections to verify continued performance.

The MPU for Direct Fired Heaters, Electric Heaters, Indirect Fired Heaters and Untempered Units are ETL listed under file number 100746688COL-001 and comply with UL 1995 and CSA C22.2#236-05.

The MPU for Recirculating Direct Fired Heaters is ETL listed under file number 100746688COL-002 and complies with UL 1995.

