

## Air Cooled Condensing Units



The 20 Series air cooled condensing units give you choices in size, shape, and configuration while not compromising on a purpose built DX solution. The 20AO Series offers dual circuit models in small sizes where most products only allow a single circuit.

The 20A4 series use a compact “V” configuration for minimal footprint and extended capacity range to 200 tons.

The 20AO-H series is designed for horizontal airflow and is a great solution for overhead obstructions, narrow footprints, or integration directly into a packaged air handler.

All condensing units offer factory mounted refrigerant trim such as liquid driers, isolation valves, sight glasses, and solenoids. This saves significant installation time and costs, and all condensing units include a factory functionality test, a full 500 micron evacuation, and a nitrogen holding charge to be sure your equipment arrives leak free.

With any DX system, it is critical that the condensing unit and evaporator be closely matched together to assure the system will operate reliably and as expected. Technical Systems makes this easy by designing and manufacturing the matching cooling coils to fit any air handler installation.

### Product Features

- Capacity range from 3 to 200 tons.
- Single and Tandem scroll compressors optimized for R-410a
- Variable capacity options with digital or VFD compressor
- Factory mounted and wired hot gas reheat options for both on/off and modulating applications
- DX cooling and reheat coils available for a complete matched system
- Packages for 100% OA and VAV systems
- Corrosion resistant packages to suit any environment
- Hazardous and explosion proof classifications available
- Mechanical and microprocessor controls for easy integration
- True low ambient packages for a full -20°F rating
- Variable speed fan options with VFD or EC control for optimal part load efficiency.
- Microprocessor options with BAS communication
- Factory testing, evacuation, and dry nitrogen charging

## Air Cooled Scroll Chillers



The 30 Series air cooled chiller's strength is its ability to reduce your engineering and installation time by providing a built to order package with single source responsibility. Acoustical solutions, waterside economizer systems, and pumping packages are just a few of the easily adaptable features that will save energy, reduce installation time, and lower project costs. Using glycol? No problem! Evaporators are sized for actual job conditions, preventing capacity de-rate factors and keeping efficiency high.

No longer must you rely on modified off-the-shelf products for custom packages. Series 30 chillers are purpose built from the ground up. Chillers with integral pumping packages offer a ready to install complete hydronic system from a single source, with options such as air separation, expansion tanks, storage tanks, and controls. Economizer chillers are designed and manufactured by one company in one facility, this means free cooling is optimized without sacrificing chiller performance and efficiency.

### Product Features

- Capacity range from 3 to 150 tons.
- Single and Tandem scroll compressors optimized for R-410a
- Brazed plate or Shell and tube evaporators available
- Integral waterside economizers
- Multiple circuit options for integral N+1 redundancy.
- Variable capacity options with digital or VFD compressor
- Microprocessor controls and BAS communication
- True low ambient packages for a full -20°F rating
- Variable speed fan options with VFD or EC control for optimal part load efficiency.
- Corrosion resistant packages to suit any environment
- Hazardous and explosion proof classifications available
- Factory operational test under an applied hot water load