

Multiplex Circuit Air Cooled Chillers

Series 37 Air Cooled Chillers are designed specifically for New York City requirements for individual 13 or 15hp compressor circuits. Typical “modular” chillers require costly field labor to re-connect and rig multiple pieces, but because they are designed as a single piece, the 37 Series are faster to install and reduce project costs. The 37 Series chillers can include industry leading fan and compressor technology, resulting in an acoustical solution custom designed to comply with most any sensitive location.

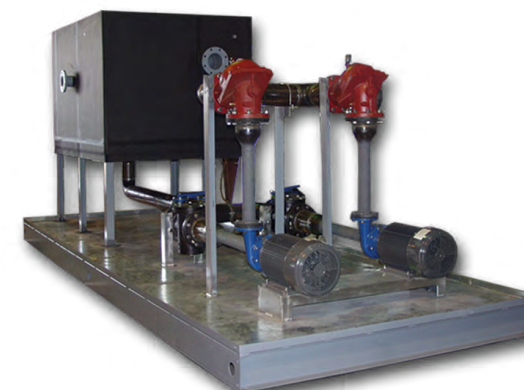


Technical Systems offers one of the only New York City compliant chillers with a truly integral waterside economizer. The 37 Series condenser and economizer coils are integrated together, eliminating additional free cooling “modules” and making them one of the most compact chiller systems available. Whether you are shipping into New York City, or simply looking for a packaged chiller with inherent redundancy and backup, the 37 Series chillers are for you.

Product Features

- Capacity range of 30-240 tons in a single piece. Custom sizes available beyond.
- Multiple 13hp or 15hp scroll compressor circuits.
- Custom acoustical solutions for ultra-low sound applications
- Integral economizers are more compact than products using free cooling modules.
- Integral pumping packages, storage tanks, and hydronics reduce project costs.
- One piece construction does not require field assembly of modules.
- Options available for dual power feeds and redundant control systems.
- 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.
- Factory operational test under an applied hot water load

Pumping Packages



Pre-manufactured pumping packages by Technical Systems save you money by allowing a single source responsibility and reducing installation time and costs. Series PP packages are available as either stand-alone packages or integral to a Technical Systems fluid cooler or chiller package. Rather than only be limited to a few standard configurations, Series PP skids are designed with features and components to fit the client’s exact needs.

Pumps are provided with either Single, Dual, or Multiple pump arrangements with a true N+1 redundant pump. Packages can include Primary and Secondary loops, as well as secondary heat exchangers, tanks, air separation, control valves, and hydronic trim. Series PP packages are designed to give the client a complete fluid pumping system ready to install and run with minimal field effort. In addition, all skids are factory tested with a functionality test and a hydrostatic leak test before shipment to give you assurance of quality and easy commissioning.

Product Features

- Single, Dual, and Multiple pump arrangements from ¾” to 12” pipe sizes.
- Primary Only and Primary / Secondary loop configurations.
- Horizontal or Vertical In-Line pumps, either close coupled or base mounted.
- Variable frequency drives for pumps
- Optional shell and tube or plate and frame secondary heat exchangers
- Storage tanks available for additional fluid volume
- Temperature control valves for applications requiring precise supply water control.
- Lead / Lag and Automatic Changeover controls to maximize pump uptime and equal run time.
- Microprocessor controls for stand-alone operation of the entire skid
- Single point power / Single point fluid connections for fast installation
- Open construction for indoor locations.
- Single un-insulated or dual wall insulated cabinetry for outdoor applications.
- Optional interior cooling and heating