



Air-Cooled Modular Packaged Chillers



The answer to today's system and budget challenges.

Insist on the Airstack advantage!

Airstack utilizes the most innovative technologies to create modular chiller systems that meet the challenging needs of today's marketplace. Air-cooled modules can be paired with accessory modules to form a flexible, integrated chiller system from 10 to 200 Tons. You'll be amazed at Airstack's versatility!



Meet the challenges of sound codes

Airstack modular packaged chillers address the varying challenges of municipal sound codes, from property line to residential loft specifications.

The Airstack 10- and 15-Ton modules can be specially attenuated to deliver 54 dBA at 20 feet. Even without attenuation, they operate as low as 66 dBA — extremely low for air-cooled packaged equipment. See Figure 1.

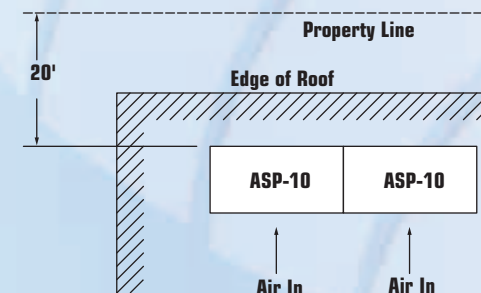


Figure 1.

Reduce the cost of redundancy

Extreme reliability usually involves redundancy and redundancy usually means installing two conventional chillers sized at 100% load—an expensive proposition. Using Airstack packaged chiller modules with their multiple redundant refrigeration circuits can cut the cost of redundancy by as much as 40% compared to conventional chillers.



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Factors that reduce the cost of redundancy include:

- Each module has dedicated compressors, condensers, evaporator, and controls.
- In the event of failure, standby modules take over automatically.
- Repairs can be scheduled for any convenient time and can usually be accomplished while the other modules are running. Downtime is minimized.

See Figure 2.

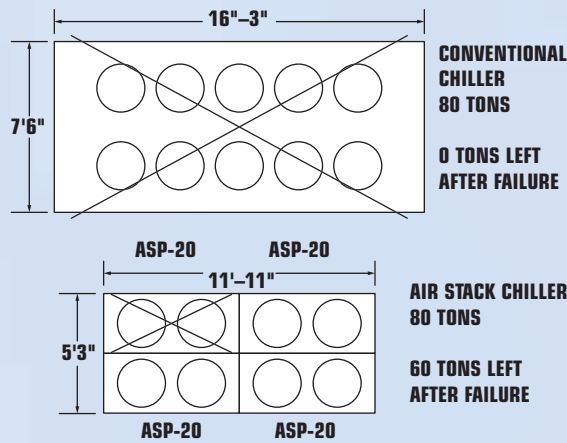
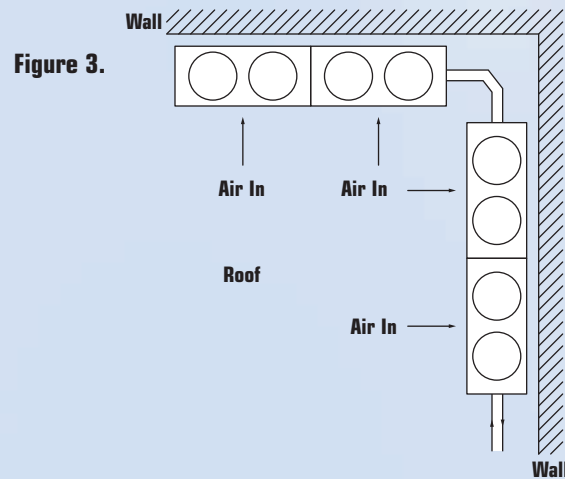


Figure 2.



Airstack's small footprint adds up to big installation savings

Airstack modules weigh about 1500 lbs. and take up only 12-2/3 sq. ft. They fit in most freight elevators and are less expensive for you to lift and easier to site. The module's small footprint adds flexibility to your configuration options. See Figure 3.



Save on the cost of operation with superior efficiencies

Airstack packaged water chillers exceed the latest ASHRAE 90.1 standards, saving you more money on electricity and reducing demands on the environment. See Figure 4.

10-Ton Airstack: 1.13 kW/Ton
15-Ton Airstack: 1.11 kW/Ton
20-Ton Airstack: 1.04 kW/Ton

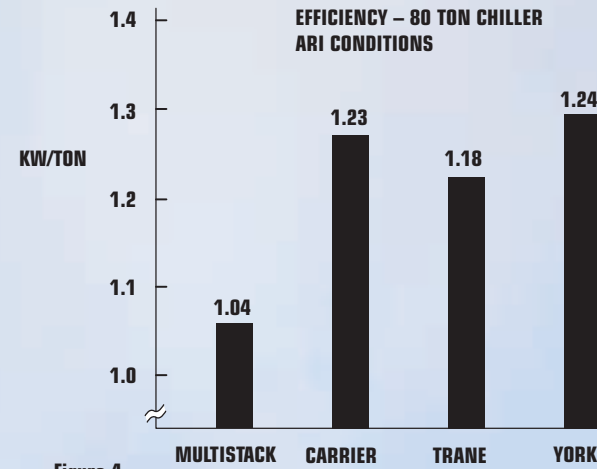
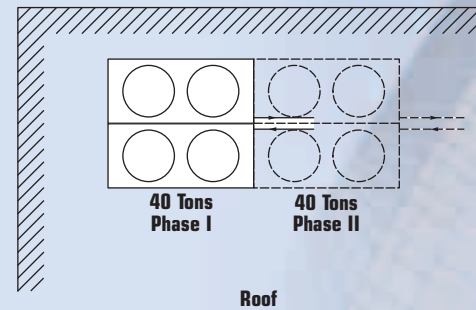


Figure 4.

Expand with ease and flexibility

When you use Airstack, your chiller can grow with your building. Size the chiller correctly for phase one of the building project, then add capacity in 10-, 15-, or 20-Ton increments as the building grows. Airstack is also suitable for expanding industrial process applications. See Figure 5.



Lower your maintenance costs

Owners report far lower maintenance costs with Airstack modular chillers than with conventional chillers. One of the reasons is that components are off-the-shelf and readily available from local sources. In addition, the refrigeration system is sealed so no annual oil analysis or tear down is required. Smaller components mean lower cost in case of failure.

Address today's complex systems

The design of today's HVAC systems is increasingly complex. The Airstack modular packaged air-cooled water chiller helps simplify your design and provides better control of your building environment. Airstack has found that these units are ideally suited for:

- High-end residential applications
- Low-rise residential complexes
- Computer room cooling
- Industrial processes
- Critical applications
- Any application where fast delivery is required

Integrated accessories are available for the entire system, including:

- Dual in-line centrifugal pumps for primary/standby application
- Free cooling modules [ambient air over the coil]
- Glycol feeder stations
- Chilled water storage tanks
- Pre-engineered single point power connections.



the leader
in modular chillers