



Air-cooled condensing units

*20 to 120 ton models ideal for
conventional, split system applications*



Outstanding design for conventional facilities: schools, multi-story office buildings, hotels, municipal and industrial facilities



and the not so conventional

Sportsdome

The Wyoming Valley Sportsdome located in Wilkes Barre, Pennsylvania is just one example of the Trane Split System flexibility. This unique design is kept comfortable with a 100 ton Trane Split System Condensing Unit coupled with a Trane DX coil module and retrofitted into one of two existing gas fired heating units.

The Sportsdome hosts:

- Indoor soccer
- Indoor golf driving range
- Extreme games: BMX bikes and skateboards
- Indoor field hockey
- Indoor football
- Indoor baseball



What makes Trane a leader in the 20 to 120 ton condensing unit market?

A natural leader

The impeccable reputation of Trane in the Air Conditioning Marketplace makes them a natural leader in the split system sector. This advanced design is engineered to be the most efficient, reliable and flexible in the industry today. When paired with air-handling units or remote chillers, these units are remarkably efficient systems.



Superior features

Trane uses 14 gauge galvanized steel to build a unit frame that will endure years of weathering. Louvered panels provide excellent coil protection while enhancing the appearance of the unit and increasing its strength. The unit is phosphatized and finished with Trane Slate Gray air-dry paint.

With more than 12 years of development and over 25 patents, the Trane 3-D® Scroll compressors have 70% fewer parts than an equal capacity reciprocating compressor.

The single orbiting scroll eliminates the need for pistons, connecting rods, wrist pins and valves; fewer parts result in a longer, more reliable operating life. Less rotating mass further reduces friction for far greater efficiency. (For additional details on the 3-D Scroll compressors, please see Trane Sales Brochure COM-S-9.)

Great options

A wide range of options are available to meet a variety of 20 to 120 ton applications.

- Low ambient option
- Hot gas bypass
- Suction service valve
- Pressure gauges
- Copper finned condenser coil
- Isolators
- Flow switch
- UL/CSA approval
- Coil coating for corrosion resistance (available on 20 to 60 tons only)

| Nom. tons | EER/IPLV | Net Cap. MBh @ ARI | Unloading Steps % | Dimensions (in.) H×W×L | Operating weights (lb.) copper/aluminum |
|-----------|-----------|--------------------|--------------------|------------------------|---|
| 20 | 10.9/15.5 | 239 | 100/50 | 69×60×88 | 1522/1720 |
| 25 | 11.1/15.2 | 314 | 100/40 | 69×60×88 | 1640/1842 |
| 30 | 11.3/16.2 | 376 | 100/50 | 74×60×88 | 1824/2115 |
| 40 | 11.5/16.4 | 507 | 100/75/50/25 | 79×88×88 | 2769/3102 |
| 50 | 11.0/15.7 | 626 | 100/80/60/30 | 79×88×88 | 3148/3540 |
| 60 | 11.2/16.2 | 748 | 100/75/50/25 | 79×88×114 | 3480/4050 |
| 80 | 10.9/16.1 | 1045 | 19/38/50/63/81/100 | 79×85×176 | 5500/6099 |
| 100 | 10.7/15.3 | 1300 | 20/40/55/70/85/100 | 79×85×227 | 6472/7272 |
| 120 | 10.9/16.2 | 1560 | 25/50/63/75/88/100 | 79×85×227 | 7000/8199 |

Notes: 20-ton condensing unit only is certified and tested in accordance with ARI Standard 365. All tonnages above 20-ton are tested in accordance with ARI Standard 365. Full load ratings are at 95°F entering air temperature, and refrigerant conditions entering the condensing unit of 45°F saturated and 60°F actual temperature. Part load ratings are at 80°F entering air temperature and refrigerant conditions entering the condensing unit of 50°F saturated suction and 65°F actual temperature.

System control options that give you control

Control options

Four system control options on 20 to 60 ton, and three system control options on the 80 to 120 ton models are available, offering solid-state electronics. Factory-installed controls help offset field installation costs.

No system control provides easy termination of locally provided and designed temperature controls. Compressor minimum on and off timers are provided with this option.

Supply air Variable Air Volume (VAV)

control includes a multi-step, demand oriented, microprocessor based discharge air controller, designed for VAV systems. With this option, Trane includes Froststat™, the industry's most reliable method of coil frost protection. With Froststat, your system can provide energy efficient comfort at part load.

Remote Evaporative Liquid Chiller (EVP)

control includes a unit mounted, multi-step, demand oriented, microprocessor-based leaving chilled water controller that allows chilled water to be generated remotely from the condensing section.

Constant volume control (20 to 60 ton)

includes an electronic controller with two cool steps and four heat steps for 20-30 ton models, four cool steps and four heat steps on the 40-60 ton models.



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