



INDUSTRIAL PROCESS CHILLER

MINI SERIES (0.3 - 22 TONS)



Air Cooled Water Chiller

Centrifugal Water Pump



High Efficiency Axial Fans

Microprocessor Controls

High Efficiency Refrigeration Compressor

NORTEK BELAIR'S MINI CHILLER

Completely packaged chilled water systems are designed especially for industrial process cooling. These energy saving cycling chillers, with integral stainless steel circulating pump and non-corrosive tank are guaranteed to provide long lasting performance. Nortek Belair's design ensures easy access to all the key components for inspection and service activities.

An innovative water to refrigerant evaporator is strategically positioned to minimize pressure and thermal conductivity loss while optimizing heat transfer efficiency. It is offered in various versions to match the widest number of applications. Optional configurations include: centrifugal fans, high pressure pump & close control of water supply temperature for the laser industry. This "Laser" version is particularly well-suited for metal cutting and welding applications as well. This compact unit minimizes valuable floor space and allows for easy installation.



Extremely high efficiency axial fans provide superior ventilation with noise levels as low as 60 dBA.

STANDARD FEATURES

- 1 R-407c & R-134a refrigerants
- 2 Hermetic scroll & reciprocating compressors
- 3 230/1/60 & 460/3/60 electric supply
- 4 Microprocessor control
- 5 Large volume, non-corrosive water storage tank
- 6 Axial condenser fans
- 7 Suitable for outdoor installation (most models)
- 8 29 psi pump pressure
- 9 NON FERROUS water circuit for aggressive water

OPTIONAL FEATURES

- 1 575/3/60 electrical supply-transformed
- 2 58 & 87 psi pump pressure availability
- 3 Fan speed controls
- 4 Centrifugal fans for ducted installations
- 5 Close control of water outlet (supply) temperature with accuracy or +/- 2° F
- 6 Remote control kit
- 7 Protocols for supervisory and building management systems

| Model | Btu/hr | Tons | Conn. | Depth in. | Width in. | Height in. | Weight (lbs) | Nom. Abs. Power KW |
|---------|---------|------|-------|-----------|-----------|------------|--------------|--------------------|
| 0.3-MC | 3,080 | 0.3 | 1/2 | 23 | 18 | 22 | 253 | 1 |
| 0.5-MC | 5,410 | 0.5 | 1/2 | 23 | 18 | 22 | 264 | 1 |
| 0.6-MC | 6,650 | 0.6 | 1/2 | 23 | 18 | 22 | 308 | 2 |
| 0.9-MC | 10,600 | 0.9 | 3/4 | 26 | 23 | 37 | 320 | 3 |
| 1.2-MC | 14,400 | 1.2 | 3/4 | 26 | 23 | 37 | 485 | 3 |
| 1.5-MC | 18,500 | 1.5 | 1 | 30 | 30 | 53 | 534 | 3 |
| 2.4-MC | 29,000 | 2.4 | 1 | 30 | 30 | 53 | 610 | 4 |
| 3.6-MC | 43,000 | 3.6 | 1 | 30 | 30 | 55 | 375 | 4 |
| 3.7-MC | 44,000 | 3.7 | 1 | 53 | 30 | 60 | 485 | 4 |
| 4.2-MC | 49,900 | 4.2 | 1 | 53 | 30 | 60 | 507 | 4 |
| 5.0-MC | 60,500 | 5.0 | 1 | 53 | 30 | 60 | 529 | 5 |
| 6.7-MC | 79,900 | 6.7 | 1-1/2 | 53 | 30 | 60 | 794 | 10 |
| 8.7-MC | 104,000 | 8.7 | 1-1/2 | 53 | 30 | 60 | 838 | 10 |
| 10.7-MC | 128,000 | 10.7 | 1-1/2 | 53 | 60 | 60 | 882 | 10 |
| 12.7-MC | 152,000 | 12.7 | 1-1/2 | 53 | 60 | 60 | 948 | 14 |
| 14.3-MC | 172,000 | 14.3 | 1-1/2 | 53 | 90 | 60 | 1,587 | 17 |
| 18.1-MC | 217,000 | 18.1 | 1-1/2 | 53 | 90 | 60 | 1,676 | 18 |
| 22.2-MC | 266,000 | 22.2 | 1-1/2 | 53 | 120 | 60 | 1,764 | 27 |

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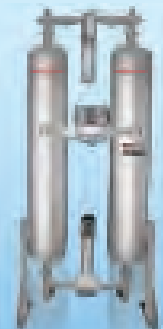
Dry Coolers



High Capacity Dryers



Refrigerated Dryers



Desiccant Dryers