



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

NORTEC 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. Nortec 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

NORTEC CORPORATION

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Water Saver and Pumping Stations



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Fluid Chillers



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