

CHC Chiller Compact Series

Compact Modules In An Enclosed Design



Marine Air's Chiller Compact series is ideal for larger boats in the 45-70 ft. (15-20 m) range. Available in capacities ranging from 16,000 to 24,000 BTU/hr, the Chiller Compact uses circulated water in a closed loop in place of copper refrigerant tubes. The innovative, space-saving compact base of the Chiller Compact was designed to allow individual modules to be multiplexed to provide precise capacity requirements for any application.

Featuring high-efficiency components that offer maximum performance, the Chiller Compact uses rotary or scroll compressors which are quieter and consume less power. A custom-fabricated condenser coil is constructed of spiral-fluted cupronickel to provide maximum heat transfer and high corrosion resistance.

The environmentally friendly, hermetically-sealed Chiller Compact units use closed-refrigerant circuits, pre-charged with refrigerant. No additional refrigerant is required during the installation or at initial start-up and operation of the system.

Key Benefits

- Compact footprint for installation flexibility.
- Single modules can produce up to 26,400 BTU/hr.
- Up to six modules can be multiplexed for larger capacities.
- Thermodynamically-matched components assure maximum performance.
- High-efficiency rotary or scroll compressors.
- Fewer moving parts ensure better reliability.
- Spiral-fluted cupronickel condenser coil provides maximum heat transfer and corrosion resistance.
- Digital Diagnostic Controller (DDC) monitors and protects the system.
- Charged, tested, and leak checked at the factory.
- Meets or exceeds all applicable standards and regulation.
- Charge Guard protection provides sealed access ports, ensuring environmental protection and chiller module integrity.

Specifications for CHC Chiller Compact Series

Model ⁽¹⁾	CHC16	CHC20	CHC24
Capacity (BTU/h)	16000	20000	24000
Voltage (V)	115	220	230
Cycle Hz/Phase (Ph)	60/1	50/1	60/3
Kilo-Volt-Amps (KVA)	1.24	2.00	1.98
Refrigerant Type	407C	407C	407C
Max. Height (in/mm) ⁽²⁾	12.75/324	15.75/401	15.75/401
Max. Width (in/mm) ⁽³⁾⁽²⁾	11.5/293	13/331	13/331
Max. Depth (in/mm) ⁽²⁾	18/458	18/458	18/458
Seawater Connection (in/mm)	3/8/16	3/8/16	3/8/16
Net Weight (lbs/kg) ⁽⁴⁾	52/23.6	84/38.2	84/38.2
Gross Weight (lbs/kg) ⁽⁴⁾	62/28.2	94/42.7	94/42.7

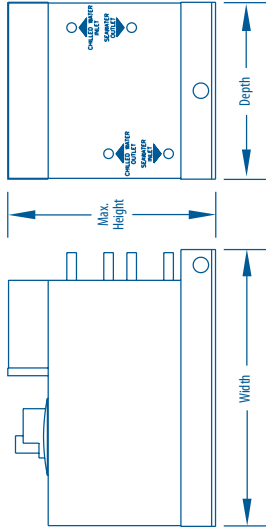
¹ Add a 'Z' 230V/60Hz units or 750' for 220V/50Hz units.

² All dimensions ± 0.25 in. (6 mm).

³ Add 1.0 in. (26 mm) to width or depth for mounting brackets, depending on their rotation.

⁴ All weights ± 10%.

Dimensions



Dealer

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Specifications and availability subject to change without notice.

