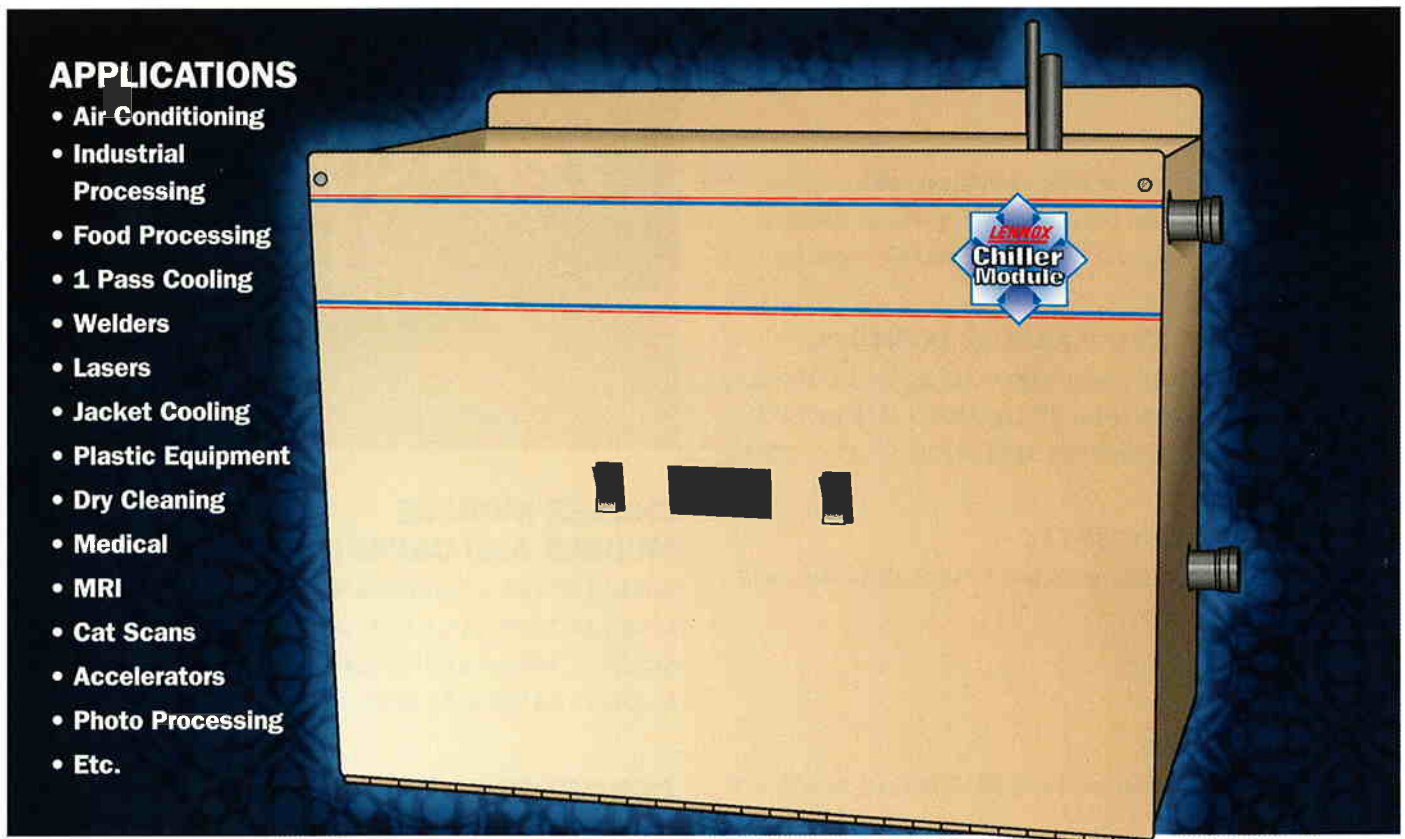


CHILLER MODULE

7-35kW (2 Ton to 10 Tons)



APPLICATIONS

- Air Conditioning
- Industrial Processing
- Food Processing
- 1 Pass Cooling
- Welders
- Lasers
- Jacket Cooling
- Plastic Equipment
- Dry Cleaning
- Medical
- MRI
- Cat Scans
- Accelerators
- Photo Processing
- Etc.

PURPOSE

The Chiller Module was created to allow the user to build a custom chiller, without the expense normally associated with such a purchase. The Chiller Module is applied with air cooled condensers.

DESCRIPTION

The Chiller Module has all the refrigeration and electrical components needed to assemble a fully custom chiller. All that is necessary to make it work is a condensing unit, a pump and a tank which may be purchased locally or from Lennox Industries Inc.

FEATURES

- High efficiency helical heat exchanger with copper inner tube and steel outer jacket.
- Unit is compatible with most condensing units.
- Modular design.
- Durable 16 gauge enclosure.
- Prewired and tested controls which include control circuit switch, flow switch, low pressure safety, and electronic water temperature control and indication.

ADVANTAGES

- Buying just the Chiller Module evaporator control module allows you to custom tailor your chiller to your specific needs without paying a large amount of money for a custom built chiller.
- Modular design allows you to manifold multiple units to match your larger loads.
- Control circuit is 24 VAC.
- Four sizes covers from 7.0 to 35.2 kW (2 to 10 tons).

CHILLER MODULE

Specifications

FEATURES

REFRIGERANT TYPE R22:

Standard.

EVAPORATOR:

High efficiency helical heat exchanger with copper inner tube and steel outer jacket. Optional: stainless steel, cupronickel, and triple wall potable - special order only.

ELECTRONIC TEMPERATURE CONTROL:

Membrane control panel with 0.56" high LED display, adjustable setpoint from 2°C to 29°C (35°F to 85°F) and an adjustable differential of -17°C to -1°C (1°F to 30°F).

LOW PRESSURE SAFETY:

Shuts off if freon charge is lost or low, this safety will reset automatically.

FLOW SWITCH:

Standard.

POWER SUPPLY:

Multi-Tap Transformer 120/208 -240V/50 or 60Hz/1 phase

CONTROL CIRCUIT:

24 VAC., 50 VA, fuse protected



High Efficiency Evaporator
Steel Outer Jacket
Copper Inner Tube

CHILLER MODULE MODELS AND CAPACITY

Model LCM42 = 7 to 12.3kW (2 to 3.5 Tons)

Model LCM60 = 14.1 to 17.6kW (4 to 5 Tons)

Model LCM96 = 21.1 to 28kW (6 to 8 Tons)

Model LCM120 = 35.2kW (10 Tons)

CONDENSING UNIT

Chiller Module can be used with an air-cooled condensing unit with R-22 refrigerant as standard.

Models	FPT Water Connections		Refrigerant Lines OD		Cabinet			Est. Shipping Weight KG (LBS.)
	In	Out	Suction	Liquid	H	W	D	
	MM (IN.)	MM (IN.)	MM (IN.)	MM (IN.)	MM (IN.)	MM (IN.)	MM (IN.)	
LCM42	25 (1")	25 (1")	22 (7/8")	9.5 (3/8")	406 (16")	584 (23")	305 (12")	45 (100lbs.)
LCM60	32 (1")	32 (1")	22 (7/8")	13 (1/2")	508 (20")	711 (28")	356 (14")	64 (140lbs.)
LCM96	38 (1 1/4")	38 (1 1/4")	29 (1 1/8")	13 (1/2")	584 (23")	762 (30")	356 (14")	77 (170lbs.)
LCM120	51 (1 1/2")	51 (1 1/2")	35 (1 3/8")	13 (1/2")	660 (26")	864 (34")	356 (14")	113 (250lbs.)

Conditions Entering Water Temperature 16°C (60°F), Leaving Water Temperature 10°C (50°F), 35°C (95°F) Ambient. Consult factory on sizing other requirements.



Lennox Industries Inc.
International Export Division
P.O. Box 799900
Dallas, Texas 75379-9900 USA
Phone (214) 497-5000
FAX (214) 497-5159

