

Recirculating Chillers

HX Series - Indoor/Outdoor

NESLAB's HX-1000 and HX-2000 are high capacity chillers designed for indoor or outdoor installation. The largest of our recirculating chiller family, these heavy duty, industrial units are ideal for replacing building water cooling of multiple systems, or for handling the heavy heat loads of high capacity lasers, medical imaging equipment, and industrial processing equipment. In addition to these applications, the HX-1000 and HX-2000 are ideal for laboratory or hospital/clinic settings when it is necessary to discharge heat outside.

Air Cooled Refrigeration

Two large condensing fans are mounted at the top of the units. They draw air through the system and discharge it at the top, and are completely self-contained and designed to withstand rain and harsh weather

A large industrial grade pump provides strong pressure for circulating at distances, and excellent fluid agitation for temperature uniformity. A digital control box remotes by cable to a convenient internal location. It provides all of the features of our TC-400 including high temperature, low temperature, low flow, and low level safeties. The refrigeration system is controlled by our hot gas bypass, which eliminates compressor cycling on and off and greatly enhances compressor life.

Electrical Enclosure

The electrical components are designed to NEMA 4 Code for operational safety. All electronics are encased in a durable, locking enclosure for protection from tampering and outdoor conditions



Recirculating Chiller Specifications

Indoor/Outdoor

MODEL	HX-1000	HX-2000
TEMPERATURE RANGE	+10°C to +25°C	+10°C to +25°C
TEMPERATURE STABILITY	±1.0°C	±1.0°C
COOLING CAPACITY		
60 Hz Models	53000 Watts at 25°C 180730 BTU/hr at 25°C 45544 Kcal/hr at 25°C	75000 Watts at 25°C 255750 BTU/hr at 25°C 64450 Kcal/hr at 25°C
50 Hz Models	43990 Watts at 25°C 150005 BTU/hr at 25°C 37800 Kcal/hr at 25°C	62250 Watts at 25°C 212270 BTU/hr at 25°C 53490 Kcal/hr at 25°C
PUMP	CP-100	CP-100
RESERVOIR VOLUME		
Gallons/Liters:	14/53	14/53
DIMENSIONS (H x W x D) In. Cm.	73 ^{1/2} x 58 x 30 186.7 X 147.3 X 76.2	76 x 67 ^{1/4} x 34 193 X 170.8 X 86.4
POWER REQUIREMENTS		
50 Hz Models:	440-480V, 60 Hz, 33 Amps 3Ø 380-420V, 50 Hz, 30 Amps 3Ø	440-480V, 60 Hz, 58 Amps 3Ø 380-420V, 50 Hz, 40 Amps 3Ø
SHIPPING WEIGHT	1612 Lbs/731.2 Kgs	2061 Lbs/934.9 Kgs

Specifications listed for HX-1000 and HX-2000 circulating at 25°C, ambient 21°C, with 50% Ethylene Glycol as coolant. Specifications will be affected by changes in temperature, ambient, or fluids. Specifications subject to change.

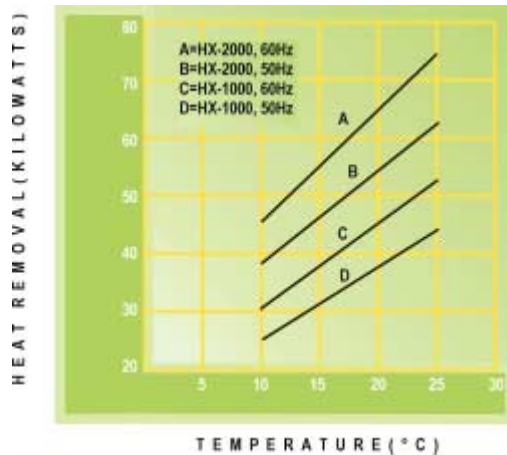
FEATURES

- All weather design
- High capacity circulating pump
- NEMA 4 electrical enclosure
- Hot gas bypass system

APPLICATIONS

- Multiple Instruments Cooling
- Heat Exchangers
- Laser Cooling
- Semiconductor Equipment
- Plastic Molding & Extrusion

Cooling Capacity



Pumping Capacity

