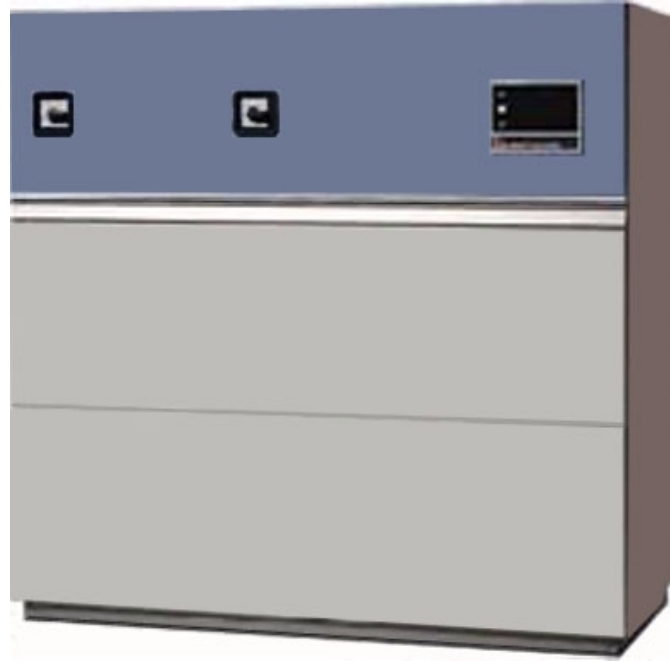


**DISCONTINUED
PRODUCT**



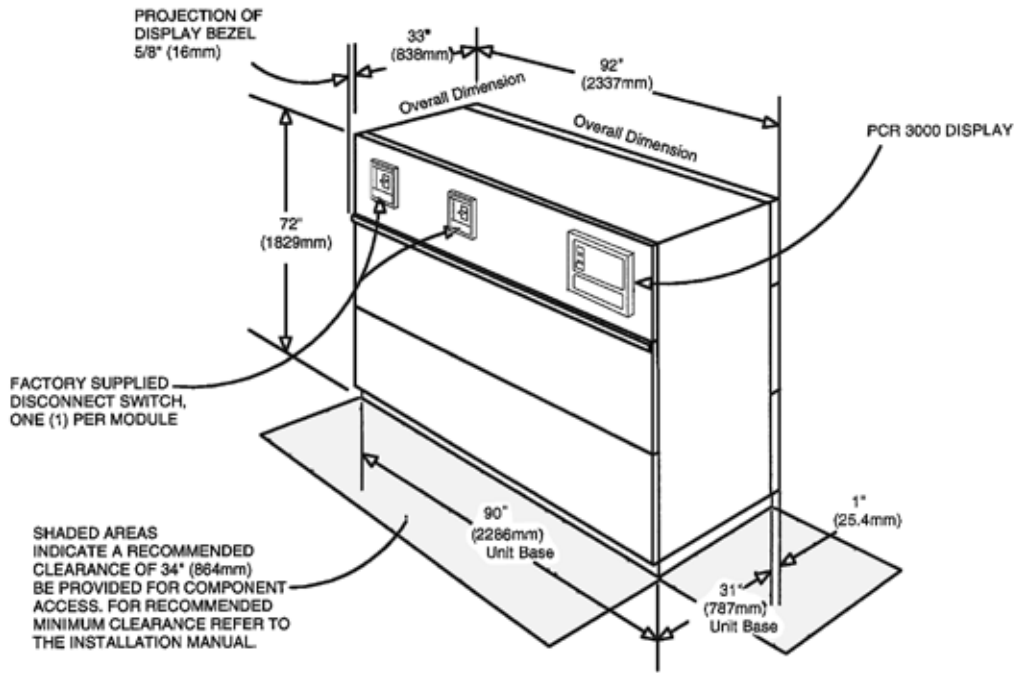
- Dedicated cooling supplies the proper temperature and water flow year round.
- Factory-tested, piped, wired and charged for hassle-free startup and operation.
- Local service and parts for quick and knowledgeable maintenance and service.
- Optional switch-over to alternate water source provides redundant, continuous operation.
- Optional remote monitoring systems keep you informed of chiller operation.
- Standard product ETL/CSA certified.
- ISO 9001 certified company.

PETNet Cyclotron Specifications

Fluid Specified	Water/Glycol
Max Heat Dissipation—BTUH (kW)	60,000 (17.6)
Fluid Temperature Range—°F (°C)	40-50 (4.4-10)
Fluid Flow Rate—GPM (l/m)	10 (38)
Fluid Pressure Drop—PSI (kPa)	5 (34)

CSU Chiller Specifications

Model Number	CS109A
Fluid Circulated	Water
Net Cooling Capacity—BTUH (kW)	121,900 (35.7)
Leaving Fluid Temperature—°F (°C)	45 (7.2)
Fluid Flow Rate—GPM (l/m)	24 (91)
PETNet Cyclotron Pressure Drop—PSI (kPa)	5 (34)
Chiller Pressure Drop—PSI (kPa)	8.4 (58.1)
Pump Total Head—PSI (kPa)	35.9 (247.7)
Pump HP (kW)	1.5 (1.1)



UNIT DIMENSIONAL DATA

Model No.	A - Width Inches (mm)	B - Height Inches (mm)	C - Depth Inches (mm)	Weight Lbs. (kg)
CS109A*	92 (2337)	72 (1829)	35 (889)	2550 (1157)

*This application requires the chiller modules and storage tank to be mounted in a "CT" sized frame.

Standard Features

- Indoor chiller with outdoor air-cooled condenser
- Electronic controls and monitor
- Semi-hermetic compressor
- Hot gas bypass capacity control
- Circulating pump
- Manual shut-off valves
- Flow switch and check-valve
- Non-locking disconnect switch
- Water- and glycol-cooled models available

Optional Features

- Refrigerant gauges and reservoir heaters
- Alternate water source (AWS) module
- Stainless steel circulating pump
- UPS connection for pump
- Separate pump power connection
- Locking disconnect switch
- Remote monitoring panel

Required Special Options

- SFA#7245—Chiller modules mounted in "CT" frame with internal 75 gallon storage tank
- Dual capacity unloaders
- SFA#E6351—Auto-unloading control
- SFA#E9028—Anti-recycle timer
- SFA#E6351-3—CSU with auto-unloading from electronic temp stat
- SFA#E5818-1—Low-temp freeze stat

Note: Add a minimum of 15% glycol solution for freeze protection.



1050 Dearborn Drive
P.O. Box 29186
Columbus, OH 43229
Phone: 800.877.9222
Fax: 614.841.6022

Via Leonardo Da Vinci 8
Zona Industriale Tognana
35028 Piove Di Sacco
Italy
Phone: 39.049.9719.111
Fax: 39.049.5841257

23/F Allied Kajima Bldg.
138 Gloucester Road
Wanchai
Hong Kong
Phone: 852.2.572.2201
Fax: 852.2.572.1182

©2000 Liebert Corporation. All rights reserved throughout the world. Specifications subject to change without notice.
®Liebert and the Liebert logo are registered trademarks of Liebert Corporation. All names referred to are trademarks or registered trademarks of their respective owners.

Liebert Web Site—<http://www.liebert.com>

SL-16557 (03/01)