

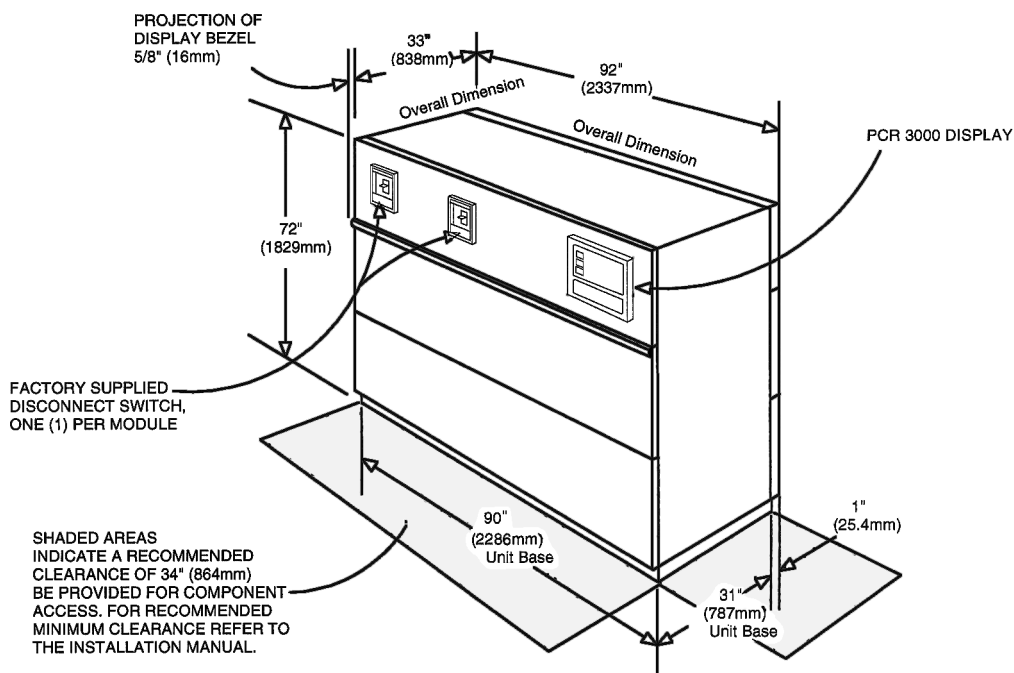
- Dedicated cooling supplies the proper temperature and water flow year round.
- Factory-tested, piped, wired and charged for hassle-free startup and operation.
- Local service and parts for quick and knowledgeable maintenance and service.
- Optional switch-over to alternate water source provides redundant, 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.



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