

- Dedicated, equipment-matched cooling supplies the proper temperature and water flow year round.
- Factory-tested, piped, wired and charged for hassle-free startup and operation.
- Clean, non-ferrous cooling loop, required for sensitive medical equipment.
- 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.
- UL/CSA listing on standard models.
- ISO 9001 certified company.

PETNet Cyclotron Specifications

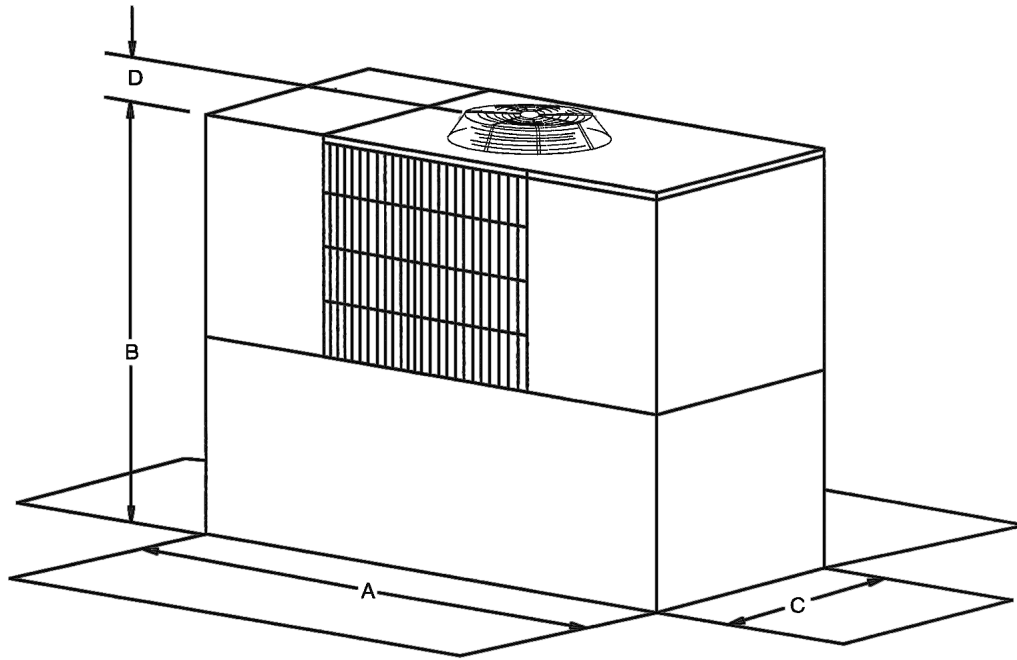
Fluid Specified	Water
Heat Dissipation—BTUH (kW)	60,000 (17.6)
Fluid Temperature Range—°F (°C)	40-50 (4.4-10)
Fluid Flow Rate—GPM (l/m)	10 (38)
Fluid Pressure Drop—PSI (kPa)	5 (34)

Note: Performance is based on 95°F condenser ambient.

Process Fluid Chiller Specifications

	PS096A	PS096A
Model Number	PS096A	PS096A
Fluid Circulated	Ethylene Glycol	Propylene Glycol
Net Cooling Capacity—BTUH (kW)	72,400 (21.2)	68,200 (20)
Leaving Fluid Temperature—°F (°C)	45 (7.2)	45 (7.2)
Fluid Flow Rate—GPM (l/m)	10 (38)	10 (38)
PETNet Cyclotron Pressure Drop—PSI (kPa)	5 (34)	5 (34)
Chiller Pressure Drop—PSI (kPa)	6.6 (45)	8.0 (54.5)
Pump Total Head—PSI (kPa)	65 (448)	65 (448)
Head Available for Piping Circuit—PSI (kPa)	53.4 (369)	52.0 (360)
Pump HP (kW)	3 (2.2)	3 (2.2)

Based on Siemens specification dated 07/97



Model No.	A-Width in. (mm)	B-Height in. (mm)	C-Depth in. (mm)	D	Weight lbs. (kg)	Voltage (60 Hz)
PS096A	77 (1956)	69.25 (1759)	38.5 (978)	5.5 (140)	750 (340)	460, 3-phase; 208/230, 3-phase
PS120A	77 (1956)	69.25 (1759)	38.5 (978)	5.5 (140)	750 (340)	460, 3-phase; 208/230, 3-phase

Standard Features

- Indoor/outdoor cabinet
- Hermetic compressor
- Refrigerant dehydrator
- Expansion valve
- Refrigerant receiver
- Stainless steel fluid reservoir expansion tank
- Pressure relief valve
- Hot gas bypass valve capacity control
- Stainless steel pump

Optional Features

- Refrigerant gauges and reservoir heater

Suggested Options (may not be required)

- EWB15W—Indoor wallbox with fluid filter, flow meter, temperature gauges, shut-off/ball valves and 1" hose barbs.

Accessories

- Emergency water bypass
- Enviro-source emergency bypass
- Water level control and alarm system
- Fluid pressure gauge
- Check valve
- Dial thermometer
- Relief valve
- Circuit setter
- Ball valve
- High temperature thermostat
- Low flow switch
- Liebert RCM8 monitor

Required Options

- 100 gallon stainless steel storage tank built into chiller frame



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