

POLAR CUBE

PACKAGED CONDENSING UNITS DESIGNED FOR USE IN MARINE REFRIGERATION & FREEZER SYSTEMS

POLAR CUBE is a compact packaged condensing unit designed for use in direct expansion refrigeration and freezer units, such as cockpit refrigerators/freezers or fish boxes. Other popular applications include mezzanine or galley refrigerators/freezers. Packaged units are typically placed remotely and are commonly located in the engine room, lazarette, etc.

POLAR CUBE enclosures are white powder coated aluminum and can be mounted on a bulkhead or horizontal surface. The removable positioning brackets allow for ease of installation with clear access to mounting holes. The water-cooled unit has 3 mounting options: back, bottom or left.

POLAR CUBE is available with 1/4 or 1/3 HP compressors in either 115V/60Hz or 220V/50Hz. All units are available with your choice of resealable couplings or brass base valve connections.

POLAR CUBE units are available in three condenser configurations: air/water, water-cooled only or air-cooled only. The air/water configuration will ensure that the unit performs efficiently in hot engine rooms, while also allowing full air-cooled operation when cooling water is unavailable. All units use R134a refrigerant.

PRODUCT HIGHLIGHTS

- Packaged condensing units for built-in refrigerators/freezers
- Air/water, water-cooled only or air-cooled only condensers available
- High capacity condenser and fan
- Self-contained white powder coated aluminum housings, which can be easily be mounted horizontally, vertically or stacked
- 1/4 or 1/3 HP models in 115V/60Hz or 220V/50Hz; R134a refrigerant
- Designed for easy serviceability and direct drop-in replacement of other popular packaged condensing unit models
- Easily visible sight glass to monitor refrigerant levels
- Built-in drain pan allows for easy drainage of condensate buildup
- Removable filter drier
- High-pressure switch, thermal overload, and voltage spike protection
- Choice of resealable or brass base valve connections
- Digital thermostats available
- Optional pre-charged refrigerant lines, in copper or flexible hose, available in lengths up to 25'



Frigibar, LLC

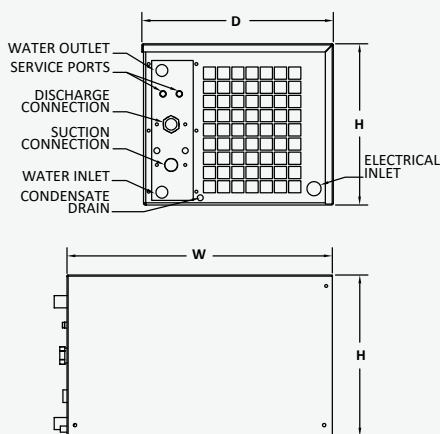
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TECHNICAL SPECIFICATIONS FOR POLAR CUBE PACKAGED CONDENSING UNITS

Model	Cooling	HP	Volts/Hz/ Phase	Locked Rotor Amps (Comp)	Max. Circuit Breaker (Amps)	Min. Circuit Breaker (Amps)	Full Load Amps (FLA) Cool	Width (in/mm)	Depth (in/mm)	Height (in/mm)	Weight (lbs/kg)
Polar Cube 1800 Resealable Couplings											
PCL1800A	Air	1/4	115/60/1	28.5	15	10	3.5	16.5/419	11.75/299	10/254	40/18.1
PCL1800W	Water	1/4	115/60/1	28.5	15	10	3.5	10.5/264	11.75/299	10/254	38.5/17.5
PCL1800AW	Air/Water	1/4	115/60/1	28.5	15	10	3.5	16.5/419	11.75/299	10/254	43.5/19.7
PCH1800A	Air	1/4	220/50/1	14.3	7	5	1.75	16.5/419	11.75/299	10/254	40/18.1
PCH1800W	Water	1/4	220/50/1	14.3	7	5	1.75	10.5/264	11.75/299	10/254	38.5/17.5
PCH1800AW	Air/Water	1/4	220/50/1	14.3	7	5	1.75	16.5/419	11.75/299	10/254	43.5/19.7
Polar Cube 1801 Base Valves											
PCL1801A	Air	1/4	115/60/1	28.5	15	10	3.5	16.5/419	11.75/299	10/254	40/18.1
PCL1801W	Water	1/4	115/60/1	28.5	15	10	3.5	10.5/264	11.75/299	10/254	38.5/17.5
PCL1801AW	Air/Water	1/4	115/60/1	28.5	15	10	3.5	16.5/419	11.75/299	10/254	43.5/19.7
PCH1801A	Air	1/4	220/50/1	14.3	7	5	1.75	16.5/419	11.75/299	10/254	40/18.1
PCH1801W	Water	1/4	220/50/1	14.3	7	5	1.75	10.5/264	11.75/299	10/254	38.5/17.5
PCH1801AW	Air/Water	1/4	220/50/1	14.3	7	5	1.75	16.5/419	11.75/299	10/254	43.5/19.7
Polar Cube 1810 Resealable Couplings											
PCL1810A	Air	1/3	115/60/1	29.0	15	10	4.0	16.5/419	11.75/299	10/254	40/18.1
PCL1810W	Water	1/3	115/60/1	29.0	15	10	4.0	10.5/264	11.75/299	10/254	38.5/17.5
PCL1810AW	Air/Water	1/3	115/60/1	29.0	15	10	4.0	16.5/419	11.75/299	10/254	43.5/19.7
PCH1810A	Air	1/3	220/50/1	14.5	7.5	5	2.0	16.5/419	11.75/299	10/254	40/18.1
PCH1810W	Water	1/3	220/50/1	14.5	7.5	5	2.0	10.5/264	11.75/299	10/254	38.5/17.5
PCH1810AW	Air/Water	1/3	220/50/1	14.5	7.5	5	2.0	16.5/419	11.75/299	10/254	43.5/19.7
Polar Cube 1811 Base Valves											
PCL1811A	Air	1/3	115/60/1	29.0	15	10	4.0	16.5/419	11.75/299	10/254	40/18.1
PCL1811W	Water	1/3	115/60/1	29.0	15	10	4.0	10.5/264	11.75/299	10/254	38.5/17.5
PCL1811AW	Air/Water	1/3	115/60/1	29.0	15	10	4.0	16.5/419	11.75/299	10/254	43.5/19.7
PCH1811A	Air	1/3	220/50/1	14.5	7.5	5	2.0	16.5/419	11.75/299	10/254	40/18.1
PCH1811W	Water	1/3	220/50/1	14.5	7.5	5	2.0	10.5/264	11.75/299	10/254	38.5/17.5
PCH1811AW	Air/Water	1/3	220/50/1	14.5	7.5	5	2.0	16.5/419	11.75/299	10/254	43.5/19.7

POLAR CUBE A/AW



POLAR CUBE W

