



PCA SERIES

INDUSTRIAL LIQUID CHILLER



FEATURES

- Air-cooled, Closed-Loop for Indoor Use Only
- Centrifugal Pump
- Non-Ferrous, Atmospheric, Insulated Process Circuit
- Stainless Steel Heat Exchanger
- Automatic Hydraulic Adjustable By-Pass
- Phase Monitor Protection (3 Phase Only)
- Powder Coated RAL7035 Finish

CAPACITIES		PCAM0008	PCAM0010	PCAM0017
Cooling Capacity	ton	.82	1.07	1.70
Data referring to inlet/outlet water temperature at 70°/60°F, ambient temperature 90°F, @ 60Hz				
BTU/hr		9,840	12,840	20,400
Reservoir Capacity	gal	5.25	5.25	5.25
Compressors/Circuits/Fans		1/1/1	1/1/1	1/1/1

DIMENSIONS		PCAM0008	PCAM0010	PCAM0017
Width	in	31.57	31.57	31.57
Depth	in	25.0	25.0	25.0
Height	in	21.46	21.46	21.46
Weight (dry)	lbs	190	208	232

ELECTRICAL		PCAM0008	PCAM0010	PCAM0017
Volts		230	230	460
Phase		1	1	3
Hertz		60	60	60
FLA		12.3	13.3	14.2

MISC SPECS		PCAM0008	PCAM0010	PCAM0017
Min fluid temperature 55°F / Max fluid temperature 86°F / Min external air temperature 37°F / Max external air temperature 113°F				
Refrigerant		R-134a	R-134a	R-134a
Min Water Flow	gpm	2.5	2.5	2.5
Max Water Flow	gpm	8	8	8
Max Head Pressure	psi	70	70	70
Fluid Connections	NPT	1/2"	1/2"	1/2"



PCA SERIES

INDUSTRIAL LIQUID CHILLER

460V / 3 Phase



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- Phase Monitor Protection
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PRODUCT SPECIFICATIONS

CAPACITIES		PCA0015	PCA0019	PCA0025	PCA0029	PCA0040	PCA0046	PCA0056
Cooling Capacity	ton	1.5	2	2.4	2.78	4	5	6
Data referring to inlet/outlet water temperature at 70°/60°F, ambient temperature 90°F, @ 60Hz								
BTU/hr		18,600	23,160	29,640	34,440	48,240	55,560	67,440
Reservoir Capacity	gal	8.8	8.8	8.8	8.8	21.5	21.5	21.5
Compressors/Circuits/Fans		1/1/1	1/1/1	1/1/1	1/1/1	1/1/1	1/1/1	1/1/1

DIMENSIONS		PCA0015	PCA0019	PCA0025	PCA0029	PCA0040	PCA0046	PCA0056
Depth	in	28.3	28.3	28.3	28.3	36.6	36.6	36.6
Width	in	22	22	22	22	29.1	29.1	29.1
Height	in	50.7	50.7	51.5	51.5	61	61	61
Weight (dry)	lbs	293	307	315	320	443	443	450

ELECTRICAL		PCA0015	PCA0019	PCA0025	PCA0029	PCA0040	PCA0046	PCA0056
Volts		460	460	460	460	460	460	460
Phase		3	3	3	3	3	3	3
Hertz		60	60	60	60	60	60	60
FLA		6.64	7.54	7.39	8.59	9.79	10.79	13.09

MISC SPECS		PCA0015	PCA0019	PCA0025	PCA0029	PCA0040	PCA0046	PCA0056
Min fluid temperature 40°F / Max fluid temperature 86°F / Min external air temperature 14°F / Max external air temperature 113°F								
Refrigerant		R134a	R134a	R410A	R410A	R410A	R410A	R410A
Max Head Pressure	psi	57	57	57	57	54	54	54
Flow, Nominal - Min/Max	gpm	2.6 / 10	2.6 / 10	2.6 / 10	2.6 / 10	5.2 / 18.5	5.2 / 18.5	5.2 / 18.5
Fluid Connections	NPT	3/4"	3/4"	3/4"	3/4"	1"	1"	1"

NORDIC CHILLER

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460V / 3 Phase



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PRODUCT SPECIFICATIONS

CAPACITIES		PCA0064	PCA0082	PCA0097	PCA0112	PCA0133	PCA0161
Cooling Capacity	ton	7	8	9	11	13	16
Data referring to inlet/outlet water temperature at 70°/60°F, ambient temperature 90°F, @ 60Hz							
BTU/hr		78,225	91,080	111,000	130,080	158,906	202,800
Reservoir Capacity	gal	49.7	49.7	49.7	49.7	79.3	79.3
Compressors/Circuits/Fans		1/1/1	1/1/1	1/1/1	1/1/1	1/1/2	1/1/2

DIMENSIONS		PCA0064	PCA0082	PCA0097	PCA0112	PCA0133	PCA0161
Depth	in	47.2	47.2	47.2	47.2	81.3	81.3
Width	in	35.2	35.2	35.2	35.2	45.3	45.3
Height	in	79.5	79.5	79.5	79.5	81.7	81.7
Weight (dry)	lbs	860	860	860	860	1,477	1,477

ELECTRICAL		PCA0064	PCA0082	PCA0097	PCA0112	PCA0133	PCA0161
Volts		460	460	460	460	460	460
Phase		3	3	3	3	3	3
Hertz		60	60	60	60	60	60
FLA		15.29	19.62	20.82	22.82	28.64	38.37

MISC SPECS		PCA0064	PCA0082	PCA0097	PCA0112	PCA0133	PCA0161
Min fluid temperature 40°F / Max fluid temperature 86°F / Min external air temperature 14°F / Max external air temperature 113°F							
Refrigerant		R410A	R410A	R410A	R410A	R410A	R410A
Max Head Pressure	psi	72	72	72	72	68	68
Flow, Nominal - Min/Max	gpm	13 / 42	13 / 42	13 / 42	13 / 42	13 / 52	13 / 52
Fluid Connections	NPT	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-1/2"	1-1/2"

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