

PORTABLE CHILLERS

PC-A Series AIR-COOLED

- 2 to 25 Tons Capacity
- Proprietary Microprocessor Control
- Generously Sized Condenser
- Nonferrous Water Circuit
- Scroll Compressor
- Brazed Plate Evaporator

The PC-A series portable chillers are quiet, reliable and economical. Available in a wide range of capacity sizes, these units are perfect for beside the machine applications. Product features include:

TEMPERATURE RANGE

- 20° - 65°F (2 and 3 ton units)
- 20° - 80°F (all other units)

MECHANICAL FEATURES

- Scroll compressor
- Top discharge fan and cleanable air inlet filter
- Air-cool condenser for up to 115° ambient temperatures (105° on 2, 3 and 5 ton units)
- Brazed plate evaporator
- Electronic hot gas bypass
- Filter-drier
- Refrigerant sight glass
- Stainless steel process pump
- Y-strainer on evaporator
- Insulated polyethylene reservoir with removable cover
- Nonferrous coolant circuit
- Factory tested under full load prior to shipment

SAFETY FEATURES

- Solid state Freezestat switch
- Encapsulated high and low refrigerant pressure switches
- Fail safe pressure switch interlocked with compressor
- Internal valved bypass line



PC10-A shown

ELECTRICAL FEATURES

- NEMA-12 electrical enclosure with single point electrical connection (NEMA-1 on 2 and 3 ton units)
- Control transformer to provide 115/1/60 control voltage
- Dual LED digital displays of "actual" and "set point" temperatures
- PID control algorithm
- Anti-cycle timer to prevent short-cycling of compressor
- Easily switch between °F and °C
- Diagnostic lights (No Flow, High Refrigerant Pressure, Low Refrigerant Pressure, Freezestat, Under Set Point, Over Set Point, Pump On, Compressor On, Partial Load, High Water Temperature, Probe Fault)
- Switches with indicating lights (Power, Start, Stop, Alarm Reset)

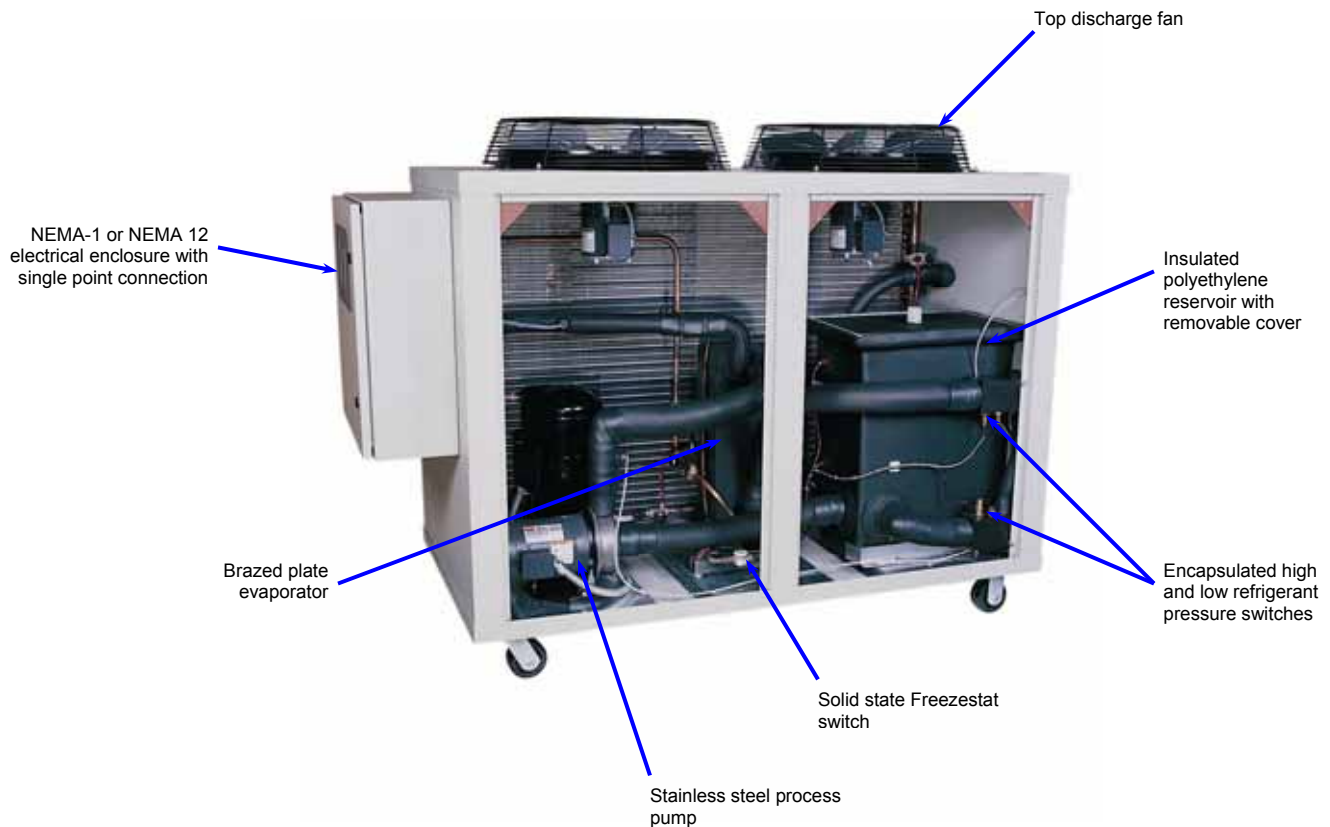
WARRANTY

- 5 year controller, \$175 lifetime exchange policy
- 12 months parts/labor (2 and 3 ton units)
- 18 months parts, 12 months labor (5-25 ton units)

PC-A SERIES SPECIFICATIONS

MODEL		2-A	3-A	5-A	8-A	10-A	14-A	15-A	15-AD	20-A	20-AD	25-A	25-AD
COMPRESSOR	Capacity ¹	2	3	5.5	7.5	10	13.1	15	15	20	20	23.2	23.2
	HP	2	3	5	7.5	10	14	15	15	10	10	10/15	10/15
	Quantity	1	1	1	1	1	1	1	1	2	2	2	2
	Type	scroll	scroll	scroll	scroll	scroll	scroll	scroll	scroll	scroll	scroll	scroll	scroll
PROCESS PUMP	HP	1	1	1 ½	1 ½	1 ½	1 ½	3	3	3	3	5	5
	GPM	5	7	13	18	24	31	36	36	48	48	56	56
	PSI	39	38	43	42	40	38	48	48	42	56	74	74
CONNECTION SIZE (in)	Process	1	1	1 ½	1 ½	1 ½	1 ½	2	2	2	2	2	2
CONDENSER	Type	Fan	Fan	Fan	Fan	Fan	Fan	Fan	Blower	Fan	Blower	Fan	Blower
	Motor Qty.	1	1	1	2	2	2	2	2	2	2	2	2
	Motor HP	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	¾
	CFM	1,585	2,470	4,400	8,100	8,100	8,100	14,000	14,000	14,000	14,000	14,000	14,000
FULL LOAD AMPERAGE	230/3/60	18	24	36	44	52	74	92	98	112	122	134	152
	460/3/60	9	12	18	22	26	37	46	49	56	61	67	76
REFRIGERANT	Type HCFC	22	22	22	22	22	22	22	22	22	22	22	22
RESERVOIR CAPACITY	Gallons	11	11	11	22	22	22	70	70	70	70	70	70
DIMENSIONS (in)	Height	41 ½	41 ½	54 ½	54 ½	54 ½	54 ½	93 ½	89 ¼	93 ½	89 ¼	93 ½	89 ¼
	Width	24	24	34 ¼	34 ¼	34 ¼	32 ½	41 ½	41 ½	41 ½	41 ½	41 ½	41 ½
	Depth	39 ¾	39 ¾	44	74 ¾	74 ¾	74 ¾	81	81	81	81	81	81
WEIGHT (Lbs)	Shipping	390	410	575	950	950	1,000	3,200	3,300	3,300	3,400	3,800	3,900

1. Cooling tons based on 12,000 BTU/Hr/ton with 50°F leaving water temperature and 95°F ambient air



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 Engineered Water Systems