



P-SERIES

Self-Contained Modular System
5 to 60 Ton Capacity Modules



Modular, Pressurized, Customizable Platform

Pump, reservoir, and header piping in each module create a self-contained, scalable system. Multiple modules operate as single units with the ability to stage compressors for capacity control, while the oxygenfree system prevents evaporation and biological growth. The series is configurable to support N+1 designs.

PRODUCT SUMMARY

- Pressurized modules with ability to add pumps and reservoirs as needed
- Master control with independent pressure and flow sensors - individual modules with local control and alarms
- System output adjusts automatically to match partial-load demand
- Indoor and outdoor models available
- Air-cooled or water-cooled condensers
- Capacities:
Indoor: 73,350 to 714,000 BTU/hr/mod
(at 65°F fluid temp and 95°F ambient).
- Temps can vary but will affect capacity.
- Ambient temperature:
Indoor: 50 to 95°F
Outdoor standard:-20 to 95°F
Outdoor high ambient:-20 to 115°F
(Designs for ambients above/below are available - please contact factory.)

BASE CONFIGURATION

- Digital controller
- Hermetic scroll compressor
- Brazed plate evaporator
- Manual fluid bypass valve
- Hot gas regulator
- Discharge fluid pressure gauge
- Corrosion free, non-pressurized tank
- Refrigerant and tank sight glasses
- Cleanable air filters
- Fused disconnect
- R407C (R134A on high ambient models)
- Powder-coated cabinet
- The following features are included only in water-cooled, high ambient & enhanced control models:
 - PCOxs controller
 - 24 VDC control voltage
 - Phase monitor
 - Fault interlocks

OPTIONS**

- Pressure and flow pump upgrades
 - Pressure relief bypass
 - Inlet water filter
 - Auto water fill
 - Anti-backflow kit
 - Float switch
 - 50 and 60Hz power options
 - Casters *(up to 5 tons)*
 - CE certified
 - CSA certified or compliant
 - Motorized hot gas bypass ***
 - Communication options ***
 - Economizer interface ***
 - Remote controller ***
- ** Not all options are available in all sizes.
*** These options are ONLY available in certain configurations. Please consult factory for details.

MODEL	CAPACITY ^a @ .65°F fluid setpoint and 95°F ambient		VOLTAGE	FLA ^a	COMPRESSOR	INLET/OUTLET PORT SIZE	TANK CAPACITY	UNIT DIMENSIONS (L*W*H)	CRATED WEIGHT	PUMP STANDARD		PUMP PRESSURE 60 PSI UPGRADE		PUMP FLOW UPGRADE	
	BTU/HR	BTU/HR								HP	INCH	GAL	INCH	LBS	GPM
PVO-5000-M	73,350	44,350	460/3/60	19.0	5	2	30	45 x 38 x 74	900	15	30	15	60	25	30
PVO-7500-M	97,350	62,350	460/3/60	21.7	8	3	30	54 x 38 x 74	1000	25	30	25	60	40	30
PVO-10000-M	129,350	78,350	460/3/60	25.8	10	3	30	54 x 38 x 74	1000	30	30	30	60	50	30
PVO-15000-M	202,350	132,350	460/3/60	45.7	7.5 (x2)	4	35	53 x 55 x 97	2,200	45	30	45	60	60	30
PVO-20000-M	266,350	164,350	460/3/60	59.6	10 (x2)	4	35	65 x 55 x 97	2,200	60	30	60	60	80	30
PVO-30000-M	403,350	250,350	460/3/60	72.5	10 (x3)	4	35	96 x 55 x 97	3,200	90	30	90	60	110	30
PVO-40000-M	540,350	336,350	460/3/60	104.2	10 (x4)	6	60	65 x 96 x 107	4,400	120	30	120	60	150	30
PVO-60000-M	714,350	508,350	460/3/60	150.0	10 (x6)	6	60	96 x 96 x 107	5,000	180	30	180	60	200	30

Fluid temperatures and ambients can vary from those stated. Please consult the factory for the effect on capacity.

^a Does not include pump upgrade.

