

BlueCool P Series

Chiller air-conditioning systems



The BlueCool P Series is a chiller system for larger vessels with several cabins. Whenever three or more independent areas in a yacht need to be air-conditioned, a central chiller system is the right choice. The chiller unit is typically placed in the machine or engine room, providing chilled water/glycol to all cabins via the chilled water circuit. One or several air handlers are fitted in each cabin providing the required cooling capacities to the rooms. The system offers one control for the unit itself as well as separate panels for each cabin, providing individual climate control.

The BlueCool P Series air-conditioning systems offer many customised options through different electronics, tropical versions, vibration damping and many other features.

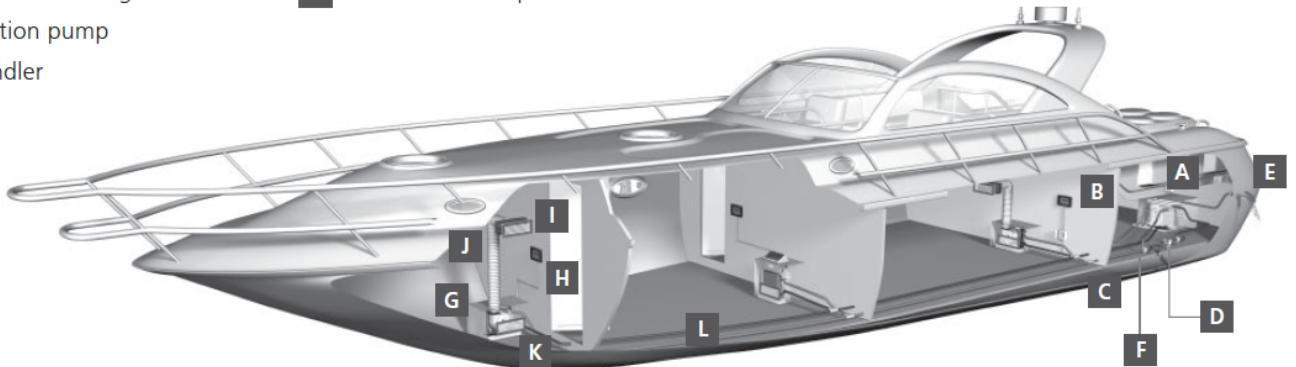
Additionally, optional heating via reverse cycle function is available.

BlueCool P Series:

- Wide product range from 30,000 - 572,000 BTU
- Scroll compressors for heavy duty applications
- Low starting surge through staged compressor starts
- 208V, 230V and 400V systems available
- Power output continuously adapted to cooling demand
- Very robust stainless steel design for heavy duty use

Installation example

- | | |
|---------------------------------------|---|
| A Air-conditioning unit | H Cabin control (Air control, display cable, temperature sensor and control box) |
| B Display chiller control unit | I Supply air grille |
| C Sea water inlet | J Air ducting |
| D Sea water pump | K Return air grille |
| E Overboard discharge | L Water hoses to provide cold/hot water to air handlers |
| F Circulation pump | |
| G Air handler | |



Technical Specifications

Single Compressor	30	36	42	48	60
BTU Capacity	30,000	36,000	42,000	48,000	60,000
Cooling capacity (kW)	8.8	10.5	12.3	14.0	17.6
Supply voltage (V)	230/400	230/400	230/400	230/400	400
Power consumption (A) Run / Start *	2,200/5000 2,100/4,500	2,650/5,600	3,000/7,300	3,450/9,200	4,400/9,800
Net weight (kg)	60	70	75	75	80
Lx W x H (mm)	415 x 480 x 480 345 x 380 x 480	415 x 480 x 480	415 x 480 x 500	415 x 480 x 550	415 x 480 x 600

Twin Compressor	60Tw	60Tw	72Tw	84Tw	96Tw
BTU Capacity	60,000	60,000	72,000	84,000	96,000
Cooling capacity (kW)	17.6	17.6	21.1	24.6	28.2
Supply voltage (V)	230	230/400	230/400	230/400	230/400
Power consumption (A) Run / Start *	4,200/6,600	4,400/8,100	5,300/9,650	6,000/11,000	6,900/12,850
Net weight (kg)	90	95	100	105	130
Lx W x H (mm)	415 x 480 x 590	680 x 415 x 620	680 x 415 x 620	680 x 415 x 630	680 x 415 x 630

Triple compressor chillers available from 108,000 to 252,000 BTU

Quattro compressor chillers available from 120,000 to 572,000 BTU