

# BlueCool V-Series

## Variable speed Chiller Air-Conditioning



The BlueCool V-Series brings innovation to the industry with the latest technology for maximum performance in varying weather conditions. The BlueCool V-Series, includes three models: V50M, V64T & V77T. With a cooling capacity up to 77,000 BTU they are suitable for boats with three or more independent cabins.

Whenever three or more independent volumes in a boat need to be air-conditioned, it becomes worth considering a central chiller system. To distribute cooling capacity over several independently operating air handlers from one single central cooling unit, the most flexible and simple solution is to install a chilled water circulation system between the central unit and the air handlers. This mixed water / glycol circuit is maintained at approx. +4 °C. All Webasto chiller units are equipped with high efficiency multi-plate heat exchangers.

### Product features:

- 3 models (V50M, V64T & V77T)
- Large power range: 8,500 - 77,000 BTU
- Variable speed BLDC compressor controlled by inverter technology
- Zero electrical starting peak
- Super quiet operation
- High system availability via dynamic control of HP/LP boundary conditions
- Adjustable amperage draw
- Preventative maintenance monitoring system
- Condensation free operation
- Easy installation and maintenance
- Low service and operation costs
- Light and compact

BlueCool V Series	V50M	V64T	V77T
Cooling Capacity* (BTU/h)	8,500 - 50,00	8,500 - 64,000	8,500 - 77,000
Cooling Capacity* (kW)	2.5 - 14.6	2.5 - 18.7	2.5 - 22.6
Voltage (V)	230	230	230
Frequency** (Hz)	50/60	50/60	50/60
Current draw running** (A)	2.5 - 15* (max. 17)	2.5 - 23.8 (max. 25)	2.5 - 24 (max. 26.5)
Current draw Eco 1 Mode	2.5 - 8* (max. 12)	2.5 - 15* (max. 17)	2.5 - 15* (max. 17)
Current draw Eco 2 Mode	2.5 - 5* (max. 8)	2.5 - 8* (max. 12)	2.5 - 8* (max. 12)
Current draw Start (A)	2.5	2.5	2.5
Chilled water connection (mm)	25	32	32
Minimal chilled water flow (L/min)	35	45	52
Seawater connection (inch)	1" M BST	1¼" F BST	1¼" F BST
Minimal seawater flow (L/min)	38	50	57
Dimensions Unit (LxWxH mm)	567 x 340 x 510	760 x 560 x 510	760 x 560 x 510
Dimensions Unit inc. Silent blocks (LxWxH mm)	590 x 378 x 548	760 x 560 x 550	760 x 560 x 550
Dimensions Electronic box (LxWxH mm)	560 x 190 x 465	560 x 190 x 465	560 x 190 x 465
Dimensions Unit inc. Silent box and Electronic box	620 x 570 x 548	760 x 750 x 550	760 x 750 x 550
Ambient temperature limit (°C)	60	60	60
Sound level unit (dB/A)	49.2	48.5	48.5
Refrigerant charge R410A (g)	892	892 + 770	892 + 770
Weight core unit (kg)	47	90	90
Weight Electronic box (kg)	15	15	15
Minimum seawater temperature Heating (°C)	6	6	6
Minimum seawater temperature Cooling (°C)	35	35	35

\* BTU/h are based on 7 C evaporating temperature and 38 C condensing temperature; \*\* Amperage values for core unit depend on compressor load. Max values at tropical conditions at 230V/50Hz; ++ BlueCool V-Series systems are tested and approved by Webasto for 50/60Hz operation