

# BlueCool F-Series

## Fresh Air Makeup Units

### Fresh air systems

BlueCool F-Series fresh air systems are the ideal complement to your central chiller system. Fresh outside air is filtered and cooled before it is brought into the cabin at the ideal comfort temperature. Stale air is extracted and transported to the outside. A sophisticated control concept of cooling and heating ensures the ideal condition of temperature and humidity.



The BlueCool F-2000 Fresh Air can also be used as a large, silent air handler in combination with the Cabin Control Kit A-Series.

- **Higher air flow**

3 variants for 500 up to 2,000 m<sup>3</sup>/h fresh air and extract air. All units are operating with high efficiency EC-blower with high back pressure resistance.

- **High cooling capacity**

Increased cooling capacity by up to 75 % compared to previous fresh air system. Cooling capacity with up to 84 kBTU/h. Ideal solution for larger yachts.

- **Compact design**

Standardized and compact design.

- **High efficiency air filters**

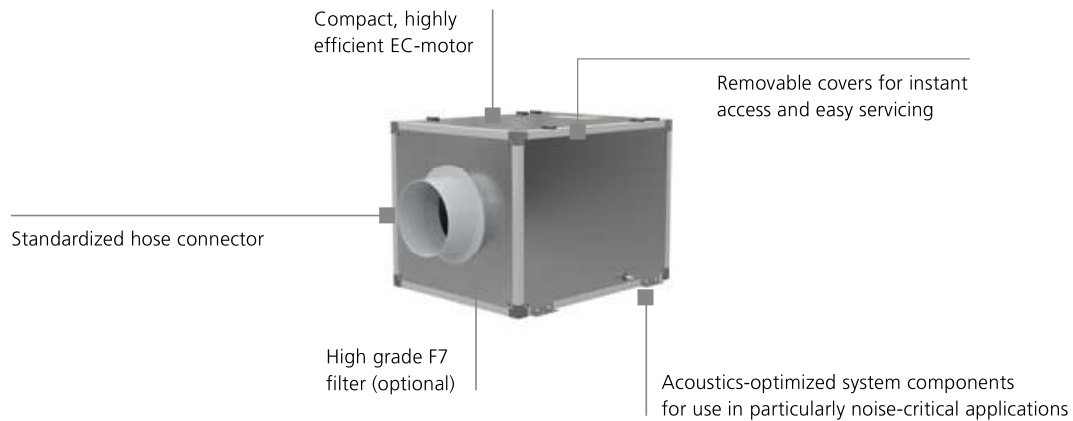
Equipped with standard air filter of category G3. High grade F7 filter available for easy exchange.

- **Improved climate control logic**

Constant supply air temperatures with integrated solenoid proportional valve and up to 20 kBTU/h staged electrical heating. Acoustics - optimized components for use in particularly noise-critical applications.

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## Fresh Air Systems



### Control elements for BlueCool F-Series (FreshAir)

Please select the control elements for the core unit separately:

**Control Box F-Series F500-F2000**

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### Technical data

	BlueCool Fresh Air and Extract					
	F500 FreshAir	F1000 FreshAir	F2000 FreshAir	F500 Extract	F1000 Extract	F2000 Extract
Part No.	2510265A	2510266A	2510267A	2510268A	2510269A	2510270A
Air flow (300 Pa) (m <sup>3</sup> /h)	500	1,000	2000	500	1,000	2,000
Air flow (300 Pa) (cfm)	294	588	1,177	294	588	1,177
Cooling capacity (kBTU/h)	21	42	84	–	–	–
Cooling capacity (kW)	6.0	12.0	25.0	–	–	–
Heating capacity 'chilled' water (kBTU/h)	21	42	84	–	–	–
Heating capacity 'chilled' water (kW)	6.0	12.0	25.0	–	–	–
Heating capacity electric (kBTU/h)	5.0	10.0	20.0	–	–	–
Heating capacity electric (kW)	1.5	3	6	–	–	–
Heating capacity total (kBTU/h)	26	52	104	–	–	–
Heating capacity total (kW)	7.5	15	31	–	–	–
Voltage (V)	230	230	230	230	230	230
Frequency (Hz)	50/60	50/60	50/60	50/60	50/60	50/60
Current draw Cooling (A) 50 + 60 Hz max.	7.5	14.9	29.8	–	–	–
Current draw Heating (A) 50 + 60 Hz max. ('chilled' water + electric)	7.5	14.9	29.8	–	–	–
Current Blower (A)	0.8	1.4	2,7	0.8	1.4	2.7
Power consumption heating (kW)	1.7	3.3	6.6	–	–	–
Power consumption cooling (kW)	1.7	3.3	6.6	–	–	–
Chilled Water connection (mm)	DN20	DN25	DN32	–	–	–
Chilled Water connection (Inch)	3/4	1	1 1/4	–	–	–
Minimum Chilled Water flow (l/min)	18	37	73	–	–	–
Dimensions L x H x W (mm)	720 x 400 x 500	760 x 550 x 650	930 x 700 x 750	320 x 320 x 320	450 x 450 x 450	600 x 600 x 600
Dimensions Lx H x W (inch)	28.3 x 15.7 x 19.7	29.9 x 21.7 x 25.6	36.6 x 27.6 x 29.5	12.6 x 12.6 x 12.6	17.7 x 17.7 x 17.7	23.6 x 23.6 x 23.6
Discharge connection diameter (mm)	150	2x 150	315	150	200	315
Discharge connection diameter (inch)	6	7.5	12.5	6	7.5	12.5
Suction connection diameter (mm)	150	200	315	150	200	315
Suction connection diameter (inch)	6	8	12.5	6	8	12.5
Weight Unit (kg)	42	65	110	25	35	60
Weight Electrical Box (kg)	7	7	7	–	–	–