

# EVBAC - EVBAF Batterie ad acqua per recuperatori serie terziario

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## Descrizione

Hydronic pre-/post-heating and cooling coil consisting of a galvanized steel frame, copper tubes and aluminum fins. Structure equipped with male circular air connections with O-ring gasket to facilitate duct installation. Threaded hydraulic connections complete with air vent and coil drain valves.

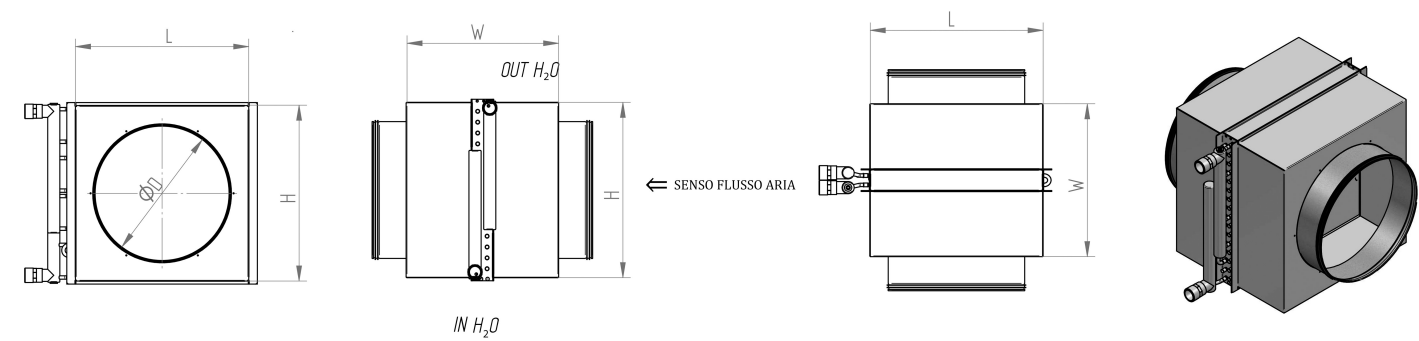
Hot Water Coil

| Technical Specifications                      |        |          |           |           |           |
|-----------------------------------------------|--------|----------|-----------|-----------|-----------|
| Models                                        | EVBAC1 | EVBAC2   | EVBAC3    | EVBAC4    | EVBAC5    |
| Airflow (m³/h)                                | 400    | 700-1000 | 1500-2000 | 2500-3500 | 3500-5000 |
| Attacchi Idraulici                            | 3/4" F | 1" M     | 1" M      | 1" M      | 1" M      |
| DN<br>(Ø mm)                                  | 250    | 315      | 355       | 400       | 500       |
| H<br>(mm)                                     | 240    | 420      | 470       | 570       | 820       |
| L<br>(mm)                                     | 290    | 440      | 590       | 640       | 640       |
| W<br>(mm)                                     | 500    | 500      | 500       | 500       | 500       |
| Weight (kg)                                   | 5      | 8        | 11        | 13        | 17        |
| Rated Thermal Power <sup>1</sup> (kW)         | 4,18   | 9,37     | 19,32     | 21,46     | 38,80     |
| Rated Water Flow <sup>1</sup> (m³/h)          | 0,36   | 0,82     | 1,69      | 1,88      | 3,34      |
| Pressure Drop - Water Side <sup>1</sup> (kPa) | 10,80  | 13,40    | 21,60     | 25,90     | 18,50     |
| Supply Air Temperature <sup>1</sup> (°C)      | 31,80  | 34,70    | 30,00     | 28,40     | 29,70     |
| Rated Thermal Power <sup>2</sup> (kW)         | 2,53   | 5,80     | 11,92     | 13,22     | 23,40     |
| Rated Water Flow <sup>2</sup> (m³/h)          | 0,22   | 0,50     | 1,03      | 1,15      | 2,00      |
| Pressure Drop - Water Side <sup>1</sup> (kPa) | 4,80   | 6,20     | 9,90      | 11,80     | 8,40      |
| Supply Air Temperature <sup>2</sup> (°C)      | 22,40  | 24,50    | 21,60     | 20,60     | 21,40     |
| Pressure Drop - Air Side (Pa)                 | 29     | 21       | 15        | 24        | 17        |

<sup>1</sup>Capacities and technical data refer to water inlet temperature 70°C, water outlet temperature 60°C, and inlet air temperature 8°C.

<sup>2</sup>Capacities and technical data refer to water inlet temperature 50°C, water outlet temperature 40°C, and inlet air temperature 8°C.

Schema



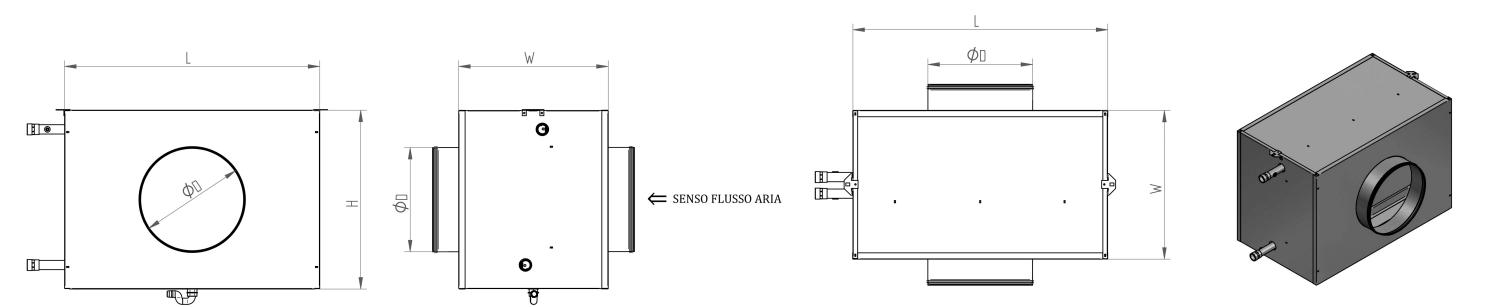
Price List – Hot Water Coil

| Models | Airflow (m <sup>3</sup> /h) | Eur      |
|--------|-----------------------------|----------|
| EVBAc1 | 400                         | 762,21   |
| EVBAc2 | 700-1000                    | 1.077,89 |
| EVBAc3 | 1500-2000                   | 1.326,11 |
| EVBAc4 | 2500-3000                   | 1.535,21 |
| EVBAc5 | 3500-5000                   | 1.817,16 |

Chilled Water Coil

| Technical Specifications                                                                                                                                |        |          |           |           |           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------|-----------|-----------|-----------|
| Models                                                                                                                                                  | EVBAF1 | EVBAF2   | EVBAF3    | EVBAF4    | EVBAF5    |
| Airflow (m³/h)                                                                                                                                          | 400    | 700-1000 | 1000-1500 | 1500-3000 | 3000-5000 |
| Hydraulic Connections                                                                                                                                   | 1/2”M  | 1”M      | 1”M       | 1”M       | 1”M       |
| D (mm)                                                                                                                                                  | 250    | 315      | 355       | 400       | 500       |
| H (mm)                                                                                                                                                  | 340    | 490      | 540       | 590       | 890       |
| L (mm)                                                                                                                                                  | 470    | 570      | 780       | 800       | 890       |
| W (mm)                                                                                                                                                  | 450    | 450      | 450       | 450       | 450       |
| Weight (kg)                                                                                                                                             | 6      | 9        | 11        | 16        | 24        |
| Rated Thermal Power <sup>1</sup> (kW)                                                                                                                   | 4,60   | 10,33    | 20,84     | 24,53     | 41,69     |
| Rated Water Flow <sup>1</sup> (m³/h)                                                                                                                    | 0,81   | 1,80     | 1,81      | 2,14      | 3,63      |
| Pressure Drop – Water Side <sup>1</sup> (kPa)                                                                                                           | 16,40  | 20,20    | 7,00      | 6,00      | 7,40      |
| Supply Air Temperature <sup>1</sup> (°C)                                                                                                                | 34,50  | 35,10    | 31,80     | 31,30     | 31,70     |
| Sensible Cooling Capacity <sup>2</sup> (kW)                                                                                                             | 5,59   | 12,70    | 8,19      | 9,56      | 16,44     |
| Latent Cooling Capacity <sup>2</sup> (kW)                                                                                                               | 2,46   | 5,56     | 18,71     | 21,76     | 37,65     |
| Rated Water Flow <sup>2</sup> (m³/h)                                                                                                                    | 0,91   | 2,20     | 3,21      | 3,74      | 6,46      |
| Pressure Drop – Water Side <sup>1</sup> (kPa)                                                                                                           | 26,40  | 29,20    | 23,00     | 19,50     | 24,80     |
| Supply Air Temperature <sup>2</sup> (°C)                                                                                                                | 16,00  | 15,40    | 16,79     | 17,06     | 16,75     |
| Pressure Drop – Air Side (Pa)                                                                                                                           | 48     | 59       | 62        | 66        | 63        |
| <sup>1</sup> Capacities and technical data refer to water inlet temperature 50°C, water outlet temperature 40°C, and inlet air temperature 8°C, 50% RH. |        |          |           |           |           |
| <sup>2</sup> Capacities and technical data refer to water inlet temperature 7°C, water outlet temperature 12°C, and inlet air temperature 27°C, 70% RH. |        |          |           |           |           |

Chilled Water Coil Diagram



Price List - Chilled Water Coil

| Models  | Airflow (m <sup>3</sup> /h) | Eur      |
|---------|-----------------------------|----------|
| EVBAF-1 | 400                         | 1.752,41 |
| EVBAF-2 | 700-1000                    | 2.192,20 |
| EVBAF-3 | 1000-1500                   | 2.418,83 |
| EVBAF-4 | 1500-3000                   | 2.823,55 |
| EVBAF-5 | 3000-5000                   | 3.226,91 |