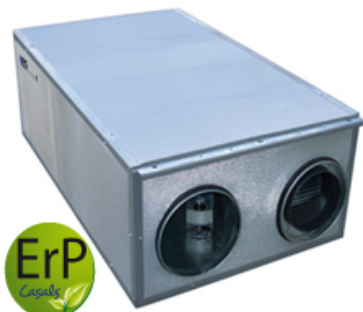


# CEPHIRUS LP 800 V + BP

## Series general data CEPHIRUS LP



THIS PRODUCT MEETS THE EFFICIENCY VALUES REQUIRED BY ErP 2013/2015

CEPHIRUS LP  
Low profile energy recovery unit with cross flow

### GENERAL FEATURES:

- Horizontal or vertical compact unit.
- Casing made of galvanized steel.
- Static exchanger with cross flow, in aluminium.
- Inlet and outlet filter holder with F7 filter. There is the chance to assemble an additional level (F7/F9).

### MANUFACTURING FEATURES:

- CHASIS
- Made of galvanized aluminium.

### CASING:

- Simple skin steel panel 10mm.
- External coating with adhesive thermoacoustic insulating polyethylene thickness 5mm.
- Circular connection with double lip seal made of rubber.
- Pressure taps for measuring the pressure drop and filter clogging.
- Side access for inspection and maintenance.
- Condensates evacuation system.

### FANS:

- Double inlet centrifugal fans with forward impeller and direct belt-driven motor.
- 4 speeds 230V-1-50Hz: Cephirus 400 and 800.
- 3 speeds 230V-1-50Hz: Cephirus 1600, 2500 and 3500.

### PLATES EXCHANGER:

- Static exchanger with cross flow in aluminium. Efficiency up to 60%.

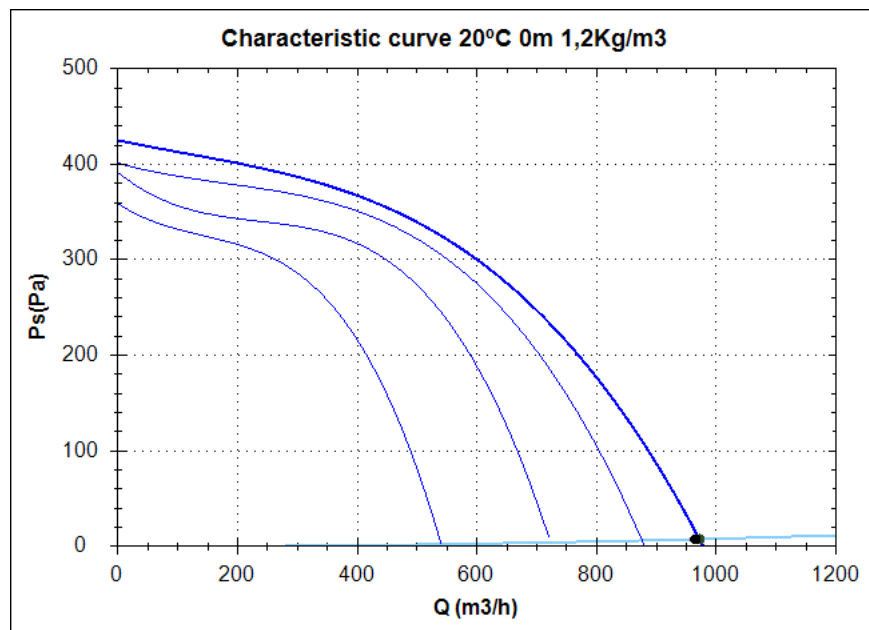
### FILTERS:

- F7 filter: polypropylene filtering fabric with low pressure drop (inlet and outlet).

## Series accessories CEPHIRUS LP



## Characteristic curve



### Design point

|          |        |
|----------|--------|
| Q (m³/h) | 964,78 |
| Ps(Pa)   | 7,62   |

### Service point

|                |             |
|----------------|-------------|
| Impeller rpm   | V4          |
| Max. temp.(°C) | 50          |
| Q (m³/h)       | 972,08      |
| Ps(Pa)         | 7,73        |
| Pd(Pa)         | 18,15       |
| Pt(Pa)         | 25,88       |
| Air speed(m/s) | 5,50        |
| SWL dB(A)      | 56 (INDUCT) |
| SPL dB(A)      | 41 (INDUCT) |
| Distance(m)    | 1,5         |

## Technical data

|                         |         |
|-------------------------|---------|
| Impeller rpm            | V4      |
| Motor rpm               |         |
| Approx. weight(kg)      | 83      |
| Maximum flow rate(m³/h) | 540/980 |

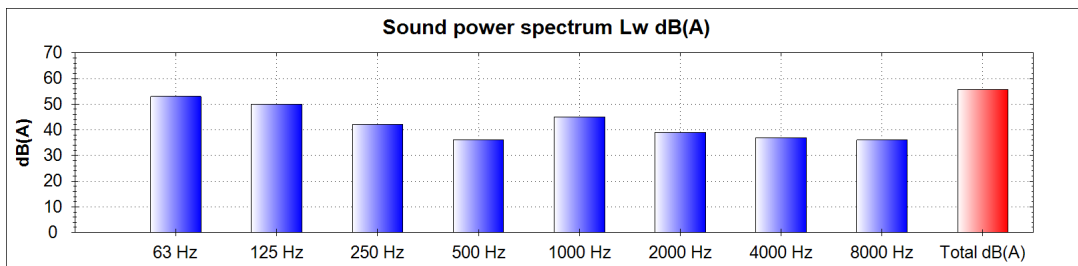
|              |         |
|--------------|---------|
| Power(kW)    | 0,355x2 |
| Imax 230V(A) | 1,55x2  |
| Imax 400V(A) | -       |
| Imax 690V(A) | -       |

# CEPHIRUS LP 800 V + BP

## Acoustics to the service point (INDUCT)

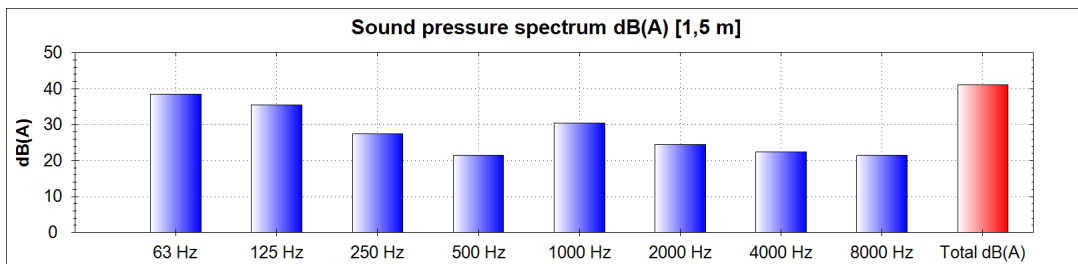
### Power dB(A)

|             |    |
|-------------|----|
| 63 Hz       | 53 |
| 125 Hz      | 50 |
| 250 Hz      | 42 |
| 500 Hz      | 36 |
| 1000 Hz     | 45 |
| 2000 Hz     | 39 |
| 4000 Hz     | 37 |
| 8000 Hz     | 36 |
| Total dB(A) | 56 |



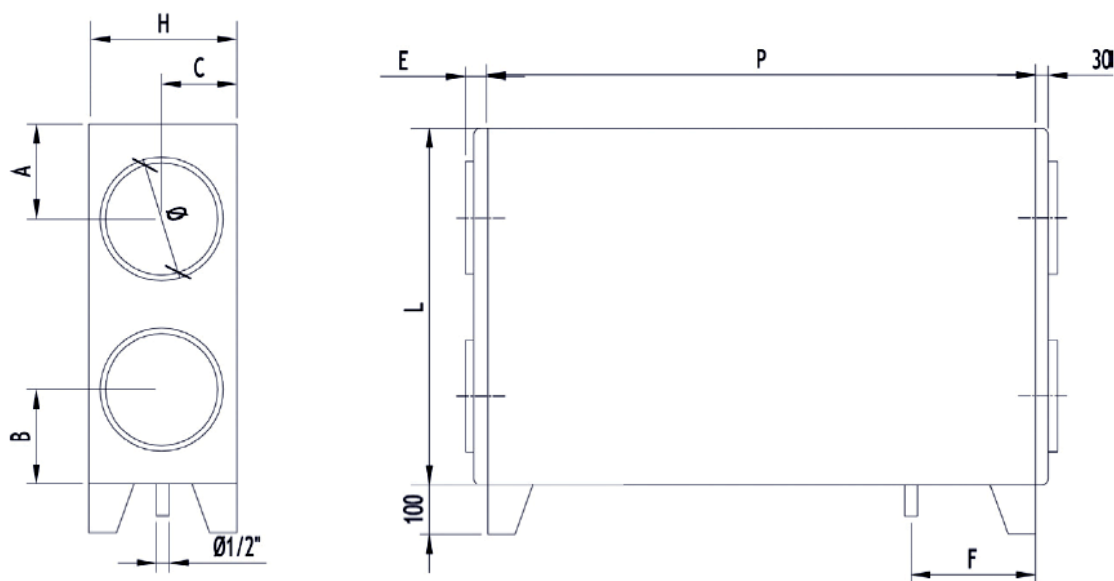
### Pressure dB(A) [1,5 m]

|             |    |
|-------------|----|
| 63 Hz       | 38 |
| 125 Hz      | 35 |
| 250 Hz      | 27 |
| 500 Hz      | 21 |
| 1000 Hz     | 30 |
| 2000 Hz     | 24 |
| 4000 Hz     | 22 |
| 8000 Hz     | 21 |
| Total dB(A) | 41 |



## dimensions diagram

Vertical configuration / Configuración vertical



### Dimensions (mm)

|       |       |       |      |       |       |       |       |       |
|-------|-------|-------|------|-------|-------|-------|-------|-------|
| A=175 | B=175 | C=155 | E=50 | F=100 | H=310 | L=680 | Ø=250 | P=920 |
|-------|-------|-------|------|-------|-------|-------|-------|-------|

## Wiring diagram

