

## CJBD/F-1919-6M 1/10



### Ventilation units with built-in filter

#### Fan:

- CBD series double inlet fans.
- CJBD/F: galvanised sheet steel structure with thermal and acoustic insulation.
- CJBD/ALF: aluminium profiles structure with thermal and acoustic insulation.
- Forward curved impeller in galvanized sheet steel.
- Glands for cable entry.

#### Motor:

- Enclosed motors with built-in thermal protector, class F, with ball bearings, IP54 protection.
- Single-phase 220-240 V 50 Hz and three-phase 240 V/380-415 V 50 Hz.
- Working temperature: -25 °C +60 °C.

#### Finish:

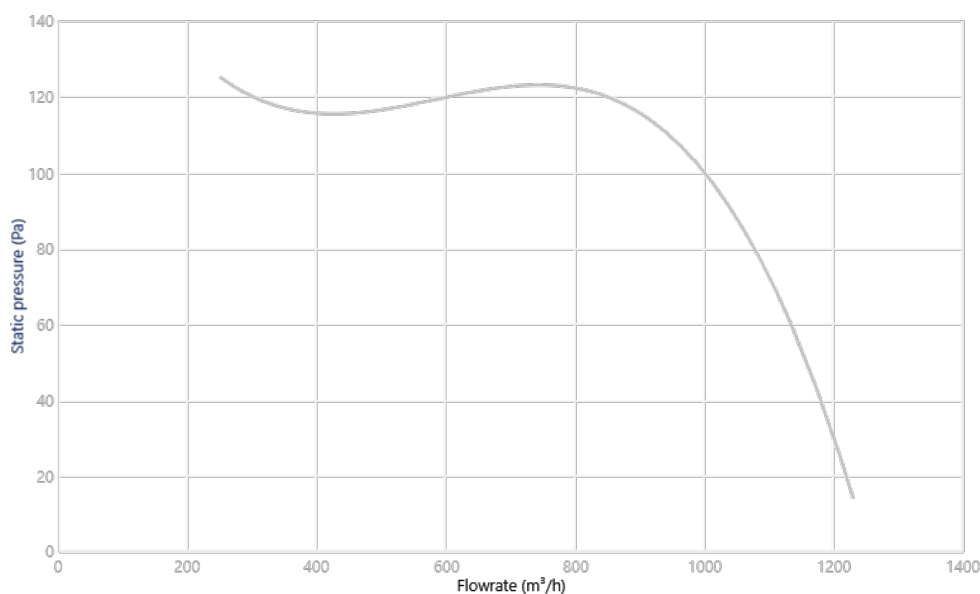
- Anti-corrosive in galvanized steel sheet.
- CJBD/ALF: anti-corrosive pre-varnished sheet steel and aluminium profiles.

#### On request:

- With circular outlet.



### CHARACTERISTIC CURVE AND ACOUSTICS AT 1.2KG/M<sup>3</sup>

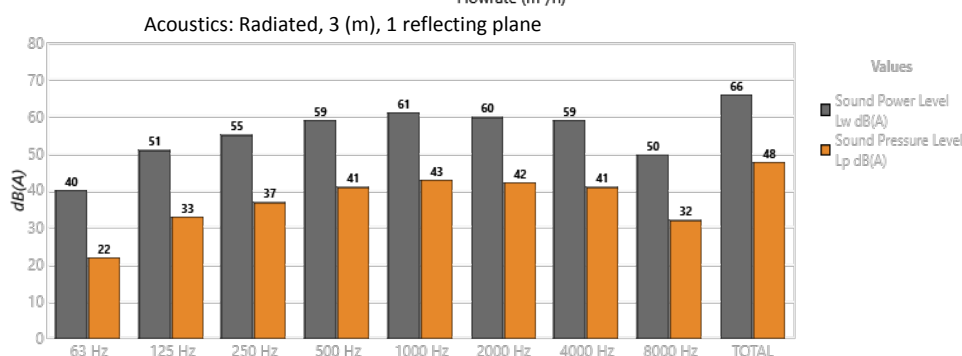


#### Design Point

|          |  |
|----------|--|
| Q (m³/h) |  |
| Ps (Pa)  |  |

#### Service Point (SP)

|          |   |
|----------|---|
| Q (m³/h) | - |
| Ps (Pa)  | - |
| Pd (Pa)  | - |
| Pt (Pa)  | - |



| Band    | Lw dB(A) | Lp dB(A) |
|---------|----------|----------|
| 63 Hz   | 40       | 22       |
| 125 Hz  | 51       | 33       |
| 250 Hz  | 55       | 37       |
| 500 Hz  | 59       | 41       |
| 1000 Hz | 61       | 43       |
| 2000 Hz | 60       | 42       |
| 4000 Hz | 59       | 41       |
| 8000 Hz | 50       | 32       |
| TOTAL   | 66       | 48       |

### TECHNICAL CHARACTERISTICS

|                              |       |
|------------------------------|-------|
| Airflow maximum (m³/h)       | 1230  |
| Speed (rpm)                  | 820   |
| Maximum static pressure (Pa) | 125.1 |
| Maximum total pressure (Pa)  | 134.5 |

## ERP

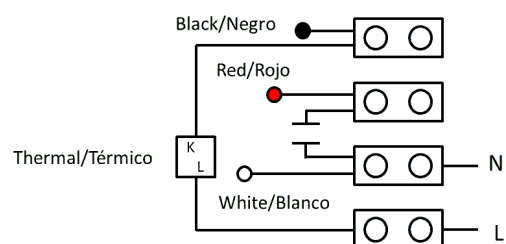
|                                                                              |                     |
|------------------------------------------------------------------------------|---------------------|
| Brand                                                                        | SODECA, S.L.U.      |
| Model                                                                        | CJBD/F-1919-6M 1/10 |
| Specific energy consumption (SEC) average climate (kWh/(m <sup>2</sup> .yr)) | -27.0               |
| Specific energy consumption (SEC) cold climate (kWh/(m <sup>2</sup> .yr))    | -54.0               |
| Specific energy consumption (SEC) warm climate (kWh/(m <sup>2</sup> .yr))    | -11.5               |
| SEC class                                                                    | B                   |
| Typology                                                                     | RVU / UVU           |
| Drive type                                                                   | Variable speed      |
| HRS type                                                                     | None                |
| Maximum flow rate (m <sup>3</sup> /h)                                        | 437                 |
| Electric power input of the fan drive at maximum flow rate (W)               | 35                  |
| Sound power level (LWA) (dBA)                                                | 64                  |
| Reference flow rate (m <sup>3</sup> /s)                                      | 0.085               |
| Reference pressure difference (Pa)                                           | 49                  |
| SPI (W/m <sup>3</sup> /h)                                                    | 0.100               |

|                                                                                 |                      |
|---------------------------------------------------------------------------------|----------------------|
| Control factor                                                                  | 0.65                 |
| Control typology                                                                | Local demand control |
| Position and description of visual filter warning                               | See manual           |
| Instructions to install regulated grilles                                       | Not applicable       |
| Website                                                                         | www.sodeca.com       |
| Annual electricity consumption (AEC) average climate (kWh/(m <sup>2</sup> .yr)) | 1                    |
| Annual electricity consumption (AEC) warm climate (kWh/(m <sup>2</sup> .yr))    | 1                    |
| Annual electricity consumption (AEC) cold climate (kWh/(m <sup>2</sup> .yr))    | 1                    |
| Annual heating saved (AHS) average climate (kWh/(m <sup>2</sup> .yr))           | 28                   |
| Annual heating saved (AHS) warm climate (kWh/(m <sup>2</sup> .yr))              | 13                   |
| Annual heating saved (AHS) cold climate (kWh/(m <sup>2</sup> .yr))              | 55                   |
| ErP compliance                                                                  | 2018                 |

## MOTOR DATA

|                             |      |
|-----------------------------|------|
| Rated Mechanical Power (kW) | 0.08 |
| Hz/phases                   | 50/1 |
| Motor (rpm)                 | 820  |
| Poles                       | 6P   |
| Max. current (A) 220-240 V  | 0.85 |
| Motor frame size            | 63   |

Data can change, please check motor plate



## DIMENSIONS

| A   | B   | C   | D   | E   | F   | G   | L   | K   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 450 | 460 | 500 | 370 | 410 | 115 | 135 | 210 | 232 |

Dimensions without explicitly defined units are shown in millimeters (mm). Dimensions depending on the motor are approximate

|                     |      |
|---------------------|------|
| Approx. weight (kg) | 19.4 |
|---------------------|------|

