

# CJTX-C-18/18-1.5-F-400 IE3

Code: 1028038



## 400 °C/2h belt driven double inlet extractor fan units

400 °C/2h extractor fan units, with motor and transmission mounted inside the box, to operate outside the fire risk zone.



### Fan:

- Galvanised sheet steel structure.
- Forward curved impeller in galvanised sheet steel.
- Approved in accordance with standard EN 12101-3, with certificate no.: 0370-CPR-0468.
- Linear airflow direction.

### Motor:

- Class F motors with ball bearings, IP55 protection and with 1 or 2 speeds, depending on model.
- Motors with IE3 efficiency for powers equal to or greater than 0.75 kW, except single-phase, 2-speed and 8-pole.
- Three-phase 230/400 V 50 Hz (up to 4 kW) and 400/690 V 50 Hz (powers greater than 4 kW).
- Maximum temperature of air to be carried: S1 continuous operation -25 °C +120 °C. S2 operation, 300 °C/2h and 400 °C/2h.

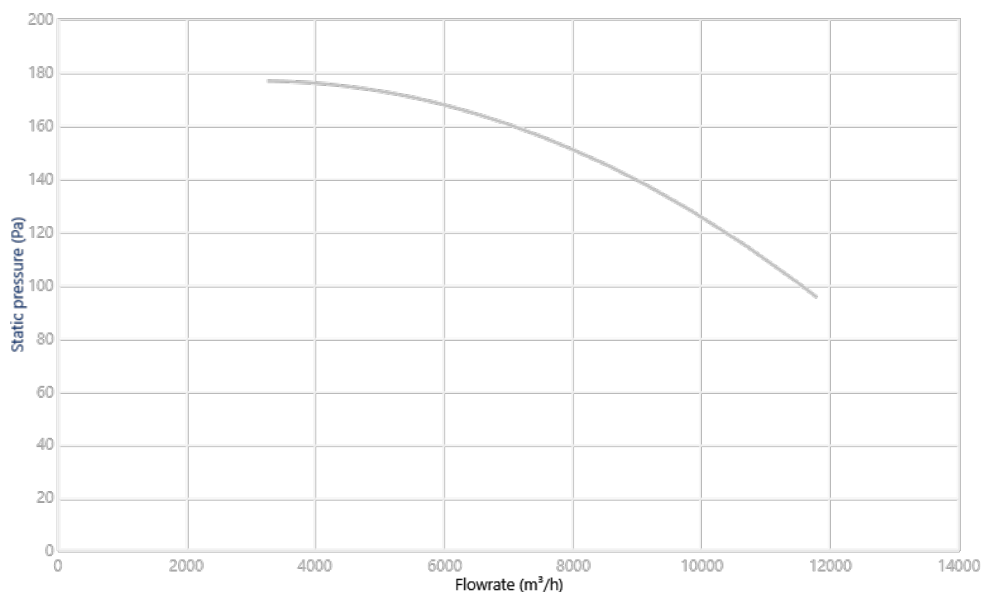
### Finish:

- Galvanised steel sheet.

### On request:

- Fans with vertical outlet.
- ATEX certification.

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

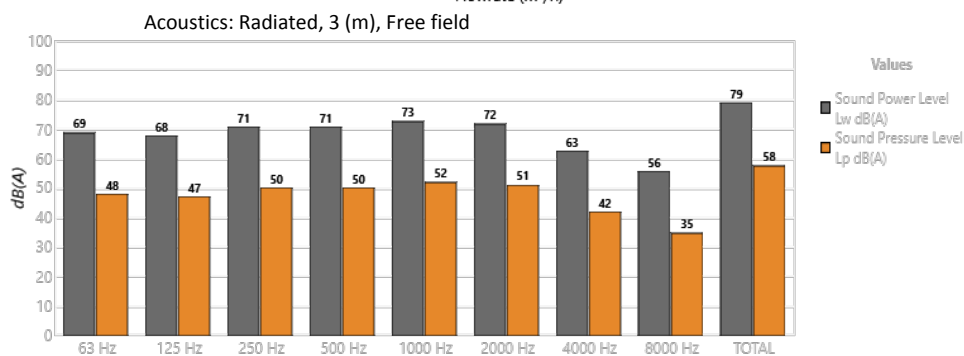


### Design Point

|          |  |
|----------|--|
| 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   | 69       | 48       |
| 125 Hz  | 68       | 47       |
| 250 Hz  | 71       | 50       |
| 500 Hz  | 71       | 50       |
| 1000 Hz | 73       | 52       |
| 2000 Hz | 72       | 51       |
| 4000 Hz | 63       | 42       |
| 8000 Hz | 56       | 35       |
| TOTAL   | 79       | 58       |

## TECHNICAL CHARACTERISTICS

|                              |       |
|------------------------------|-------|
| Airflow maximum (m³/h)       | 11800 |
| Speed (rpm)                  | 510   |
| Maximum static pressure (Pa) | 176.5 |
| Maximum total pressure (Pa)  | 190.1 |

## ERP

|                                         |                            |
|-----------------------------------------|----------------------------|
| Brand                                   | SODECA, S.L.U.             |
| Model                                   | CJTX-C-18/18-1.5-F-400 IE3 |
| Typology                                | NRVU / UVU                 |
| Drive type                              | Variable speed             |
| HRS type                                | None                       |
| Nominal flow rate (m³/s)                | 2.358                      |
| Effective electric power input (kW)     | 0.838                      |
| SFPint (W/m³/s)                         | 230.00                     |
| Face velocity at design flow rate (m/s) | 8.54                       |
| Nominal external pressure (Pa)          | 145                        |

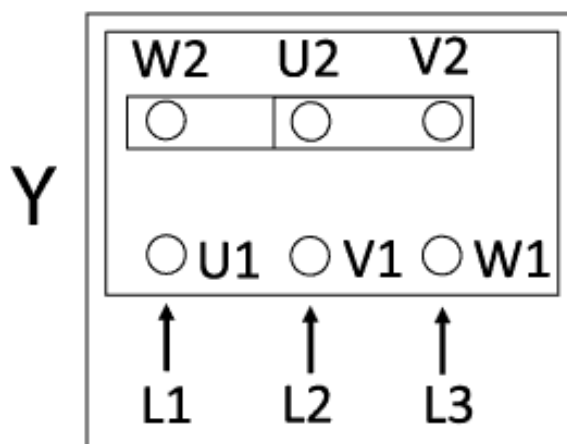
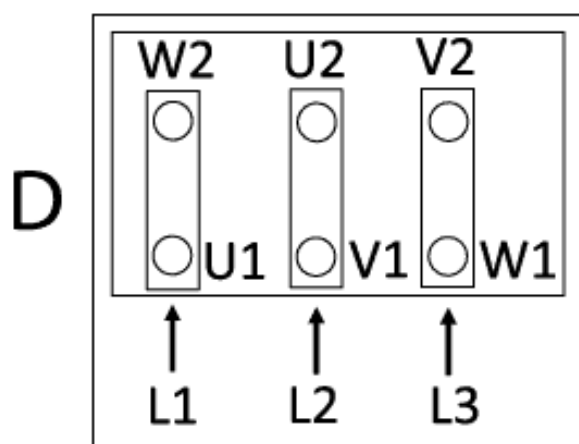
|                                                       |                                                    |
|-------------------------------------------------------|----------------------------------------------------|
| Static efficiency of fan according to EU 327/2011 (%) | 43.9%                                              |
| Max. internal leakage rate (%)                        | 2.4%                                               |
| Filter energy performance                             | Not applicable                                     |
| Visual filter warning                                 | Not applicable                                     |
| Sound power level (LWA) (dBA)                         | 80                                                 |
| Website                                               | <a href="http://www.sodeca.com">www.sodeca.com</a> |
| ErP compliance                                        | 2018                                               |

## MOTOR DATA

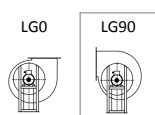
|                             |      |
|-----------------------------|------|
| Rated Mechanical Power (kW) | 1.1  |
| Hz/phases                   | 50/3 |
| Motor (rpm)                 | 1455 |
| Poles                       | 4P   |

|                              |       |
|------------------------------|-------|
| Max. current (A) 380-415 V Y | 2.34  |
| Max. current (A) 220-240 V D | 4.07  |
| Motor protection             | IP55  |
| Motor frame size             | 90S/L |

Data can change, please check motor plate



## FAN POSITIONS



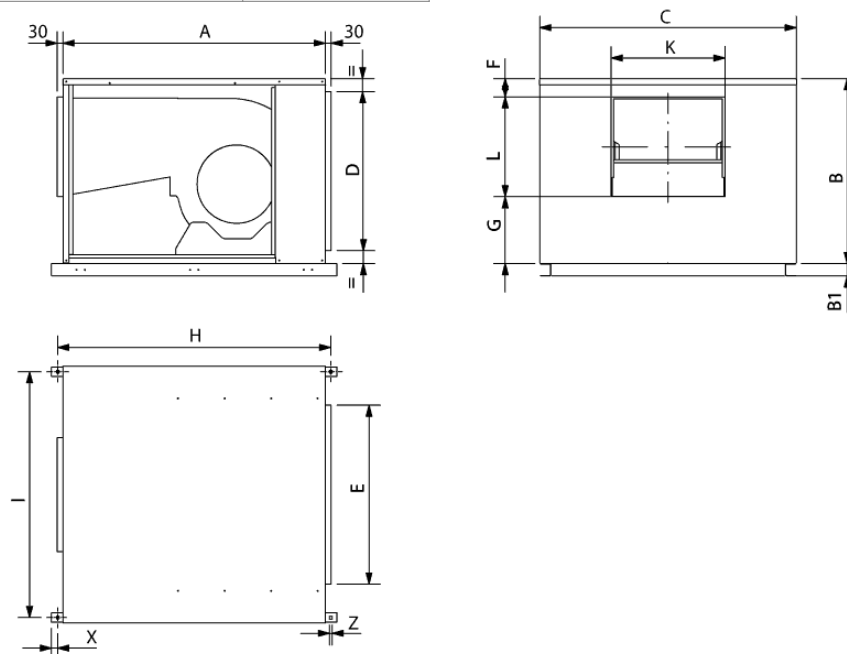
LG90: Standard orientation

## DIMENSIONS

| A    | B   | B1 | C    | D   | E   | F  | G   | H    | I    | K   | L   | X     | Z  |
|------|-----|----|------|-----|-----|----|-----|------|------|-----|-----|-------|----|
| 1278 | 900 | 60 | 1250 | 779 | 904 | 90 | 325 | 1328 | 1197 | 552 | 486 | 30.25 | 13 |

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

|                     |     |
|---------------------|-----|
| Approx. weight (kg) | 175 |
|---------------------|-----|



## AVAILABLE ACCESSORIES

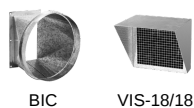
### General accessories available



### Inlet accessories available

Inlet accessories not available

### Outlet accessories available



It must be checked that the accessory is suitable for the fan model