

Dehumidifier Consorb

# CZ-82/102/102L/104



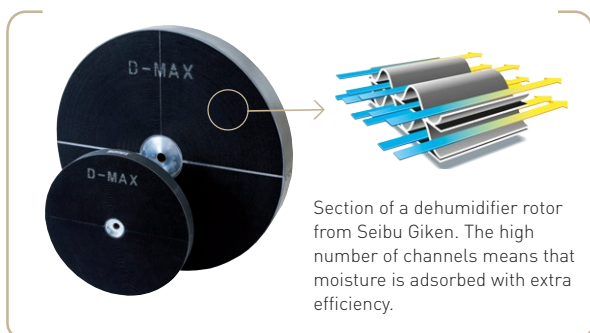
*Dehumidifying capacity at 20°C / 60%RH*

**22 - 65 kg/h**

*Dry air flow*

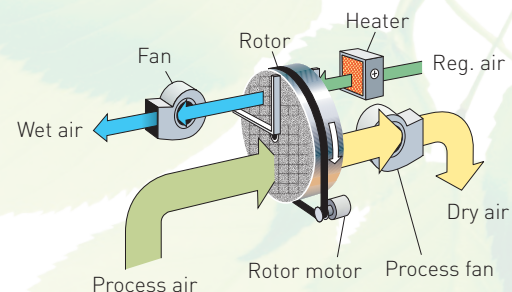
**3 200 - 8 000 m<sup>3</sup>/h**

- Washable rotor
- Long lifetime
- No desiccant carry-over
- Suitable for high ambient water contents
- Excellent deep drying ability
- Option:
  - Hot-water coil for regeneration air pre-heating
  - Process fan equipped with frequency converter



# TECHNICAL DATA

| Dehumidifier model                   | CZ-82 | CZ-102 | CZ-102L | CZ-104 |
|--------------------------------------|-------|--------|---------|--------|
| Nominal capacity <sup>1</sup> (kg/h) | 22    | 36     | 50      | 65     |
| Dry air flow <sup>2</sup> (m³/h)     | 3 200 | 5 200  | 7 200   | 8 000  |
| at static pressure (Pa)              | 200   | 200    | 200     | 200    |
| Wet air flow <sup>2</sup> (m³/h)     | 850   | 1 400  | 2 000   | 2 500  |
| at static pressure (Pa)              | 200   | 200    | 200     | 200    |
| Heater power <sup>3</sup> (kW)       | 30    | 50     | 74      | 95     |
| Max. electric consumption (kW)       | 34,1  | 54,5   | 81,7    | 106,5  |
| Supply fuse 3x400V 50Hz (A)          | 63    | 100    | 160     | 200    |
| Weight (kg)                          | 300   | 380    | 400     | 560    |

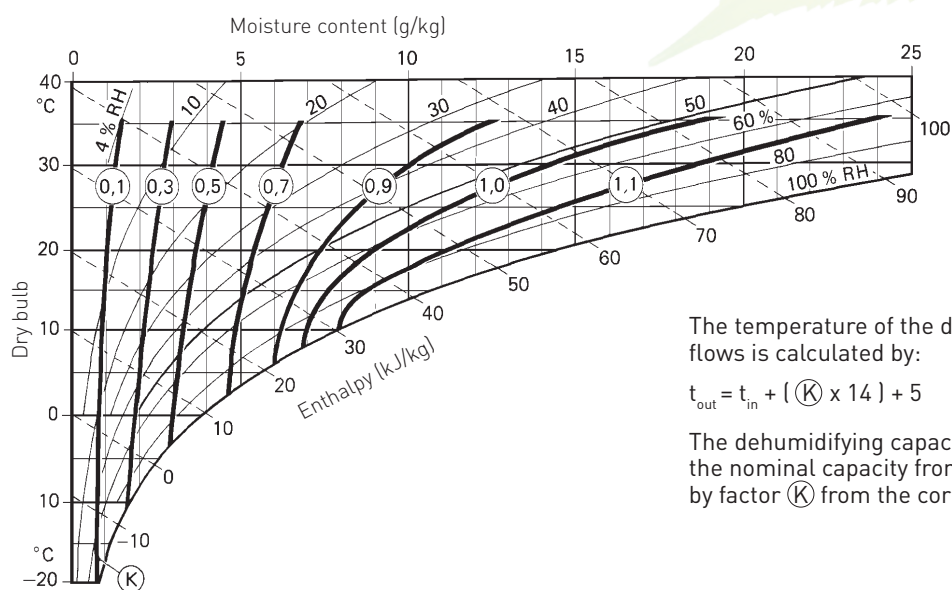


<sup>1</sup> Valid for inlet conditions 20°C/60%RH. For other inlet conditions the capacity can be calculated by using the diagram shown below.

<sup>2</sup> Volume flow for density 1,20 kg/m³.

<sup>3</sup> Electric reactivation heater is standard. Steam and hot water is optional.

# CORRECTION DIAGRAM

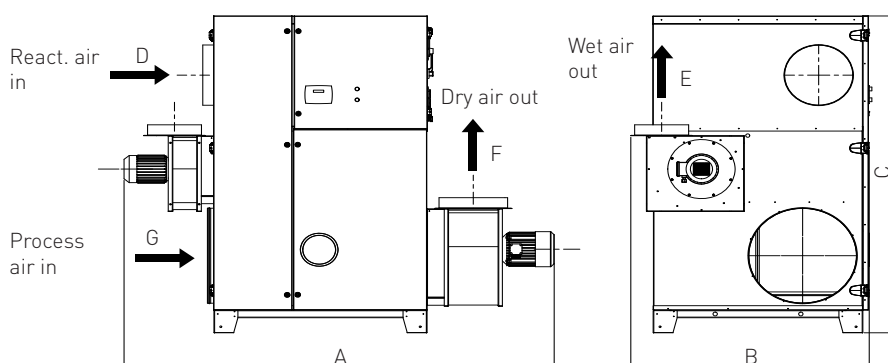


The temperature of the dry air at nominal air flows is calculated by:

$$t_{out} = t_{in} + (K \times 14) + 5$$

The dehumidifying capacity is estimated as the nominal capacity from above, multiplied by factor K from the correction diagram.

# DIMENSIONS



| CZ | 82    | 102   | 102L    | 104     |
|----|-------|-------|---------|---------|
| A  | 2 370 | 2 425 | 2 540   | 2 915   |
| B  | 1 065 | 1 265 | 1 260   | 1 255   |
| C  | 1 905 | 2 105 | 2 105   | 2 105   |
| D  | Ø250  | Ø400  | Ø400    | Ø400    |
| E  | Ø160  | Ø315  | Ø315    | Ø315    |
| F  | Ø400  | Ø400  | 400x940 | 350x840 |
| G  | Ø400  | Ø630  | Ø630    | Ø630    |

Subject to change without notice. Download installation drawing at [www.dst-sg.com](http://www.dst-sg.com)

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