

# Dehumidifier Recusorb **RLZ-81, 82, 101, 102 ICE**



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

**20 - 54 kg/h**

*Dry air flow*

**4500 - 12000 m<sup>3</sup>/h**

- Washable rotor
- No desiccant carry-over
- EC-motor or VSD for both process and regen fan
- Built-in heat recovery
- Very good capacity in dry or/and cold environments
- Long lifetime
- Options:
  - Steam or gas regen heater
  - Pre- and post-treatment modules
  - Touchscreen with flowchart showing actual airflows and coil outputs
  - Communication with Modbus, Profibus or Bacnet
  - Insulated inlets
  - Stainless steel chassis



Section of a dehumidifier rotor from Seibu Giken. The high number of channels means that moisture is adsorbed with extra efficiency.



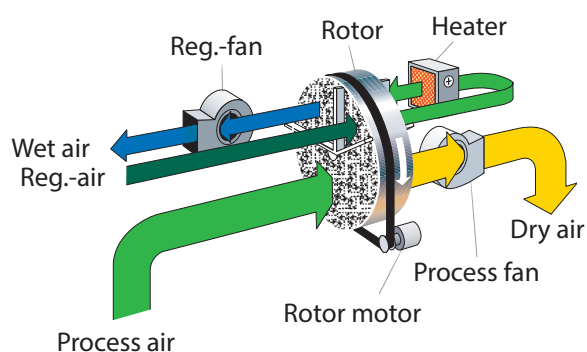
*World leaders in dehumidification.*

# TECHNICAL DATA

| Dehumidifier model ICE               | RLZ-81 | RLZ-82 | RLZ-101 | RLZ-102 |
|--------------------------------------|--------|--------|---------|---------|
| Nominal capacity <sup>1</sup> (kg/h) | 20     | 27     | 34      | 54      |
| Dry air flow <sup>2</sup> (m³/h)     | 4500   | 6000   | 9000    | 12000   |
| Static pressure at disposal (Pa)     | 300    | 300    | 300     | 300     |
| Wet air flow <sup>2</sup> (m³/h)     | 750    | 1000   | 1300    | 2100    |
| Static pressure at disposal (Pa)     | 200    | 200    | 200     | 200     |
| Heater power <sup>3</sup> (kW)       | 24     | 30     | 40      | 63      |
| Maximum electric consumption (kW)    | 27,6   | 35,4   | 46,3    | 72,7    |
| Supply fuse 3 x 400V / 50Hz (A)      | 50     | 63     | 80      | 125     |
| Weight (kg)                          | 307    | 345    | 415     | 568     |

1. Valid for inlet conditions 20°C/60%RH.
2. Volume flow for density 1.20 kg/m³.
3. Available with electric heater, steam heater or gas heater.

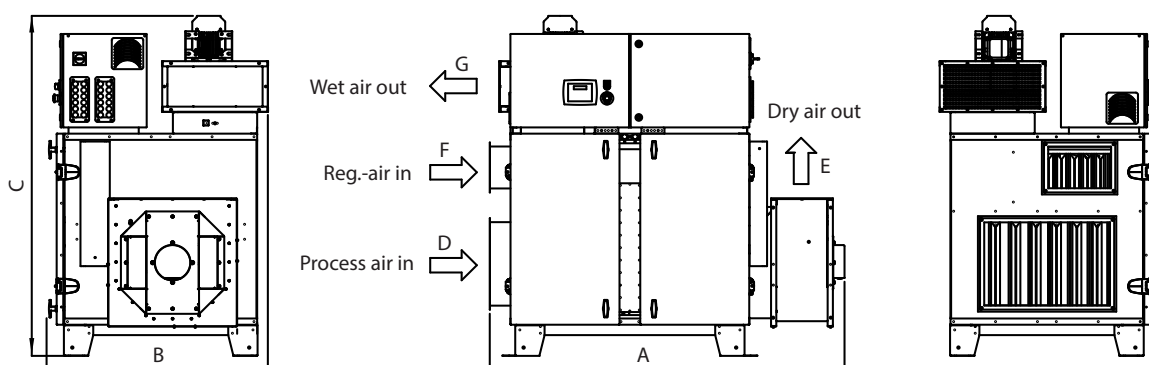
## PRINCIPLE / DIMENSIONS



| Dimensions RLZ ICE [mm] |           |           |            |            |
|-------------------------|-----------|-----------|------------|------------|
|                         | RLZ-81    | RLZ-82    | RLZ-101    | RLZ-102    |
| <b>A</b>                | 1692      | 1855      | 1770       | 2246       |
| <b>B</b>                | 1043      | 1043      | 1292       | 1292       |
| <b>C</b>                | 1637      | 1658      | 1932       | 1983       |
| <b>D</b>                | 400 x 600 | 400 x 600 | 500 x 1000 | 500 x 1000 |
| <b>E</b>                | 245 x 560 | 280 x 640 | 306 x 720  | 356 x 800  |
| <b>F</b>                | 200 x 300 | 200 x 300 | 300 x 400  | 300 x 400  |
| <b>G</b>                | 194 x 450 | 194 x 450 | 194 x 450  | 194 x 450  |

## DRAWING

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



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