Dehumidifier Recusorb

RL 71, 71 ICE, 71L

Dehumidifying capacity at 20°C / 60%RH
13.0 - 17.0 kg/h
Dry air flow
2,500 - 3,200 m³/h

- Excellent performance in all climates
- Duct connections
- Built-in heat recovery
- Stainless steel chassis
- F7 filter
- Washable rotor
- Options:
  - Frequency inverter to control airflows
  - Linear capacity control
  - Insulated inlets
  - Panel mounted humidity control

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

<table>
<thead>
<tr>
<th>Dehumidifier model</th>
<th>RL-71</th>
<th>RL-71 ICE</th>
<th>RL-71L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal capacity (kg/h)</td>
<td>13</td>
<td>14</td>
<td>17</td>
</tr>
<tr>
<td>Dry air flow (m³/h)</td>
<td>2500</td>
<td>3000</td>
<td>3200</td>
</tr>
<tr>
<td>Static pressure at disposal (Pa)</td>
<td>400</td>
<td>400</td>
<td>200</td>
</tr>
<tr>
<td>Wet air flow (m³/h)</td>
<td>800</td>
<td>800</td>
<td>1000</td>
</tr>
<tr>
<td>Static pressure at disposal (Pa)</td>
<td>300</td>
<td>300</td>
<td>200</td>
</tr>
<tr>
<td>Heater power (kW)</td>
<td>17</td>
<td>17</td>
<td>24</td>
</tr>
<tr>
<td>Maximum electric consumption (kW)</td>
<td>20.3</td>
<td>21.1</td>
<td>28.1</td>
</tr>
<tr>
<td>Supply fuse 3 x 400V 50Hz (A)</td>
<td>40</td>
<td>40</td>
<td>50</td>
</tr>
<tr>
<td>Weight (kg)</td>
<td>190</td>
<td>195</td>
<td>196</td>
</tr>
</tbody>
</table>

1. Valid for inlet conditions 20°C/60%RH. For other inlet conditions the capacity can be calculated by using the correction diagrams shown below.
2. Volume flow for density 1.20 kg/m³.
3. In the standard version the unit is equipped with electric heater. Steam heater or hot water battery are available as an option.

CORRECTION DIAGRAM

Following the sorption principle, the process air will follow the constant enthalpy line plus 3 to 5°C. This will result in an increase of around 15°C in the dry air outlet temperature.

For more information, contact your DST representative.

DIMENSIONS

Subject to change without notice. Download installation drawing at www.dst-sg.com

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