## Technical Data

<table>
<thead>
<tr>
<th>Model</th>
<th>Dry Air Flow (m³/h)</th>
<th>Dehumidifying Capacity (kg/h)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CZ-82</td>
<td>3200</td>
<td>57</td>
</tr>
<tr>
<td>CZ-102</td>
<td>5200</td>
<td>92</td>
</tr>
<tr>
<td>CZ-102L</td>
<td>7000</td>
<td>125</td>
</tr>
<tr>
<td>CZ-104</td>
<td>8000</td>
<td>141</td>
</tr>
</tbody>
</table>

*At process air inlet 35°C, 15.8 g/kg and cooler 1 as precooler with water in/out 6/12°C.**

### Coils

<table>
<thead>
<tr>
<th>Model</th>
<th>Heater*</th>
<th>Cooler**</th>
<th>Cooler***</th>
</tr>
</thead>
<tbody>
<tr>
<td>CZ-82</td>
<td>34</td>
<td>52</td>
<td>27</td>
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<tr>
<td>CZ-102</td>
<td>41</td>
<td>80</td>
<td>40</td>
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<tr>
<td>CZ-102L</td>
<td>65</td>
<td>115</td>
<td>91</td>
</tr>
<tr>
<td>CZ-104</td>
<td>79</td>
<td>115</td>
<td>91</td>
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<tr>
<td>CZ-106L</td>
<td>88</td>
<td>115</td>
<td>81</td>
</tr>
</tbody>
</table>

### Rotors Models

- **D-MAX** – rotor for standard applications
- **D-MAX H** – bactericidal and hygienic
- **D-MAX CI** – 100% silicon free air
- **SZCR** – zeolite rotor for low dew points

Seibu Giken DST AB is certified according to ISO 9001.
CZ Flex, choose components according to your project

Simpler planning with one supplier
CZ Flex consists of a modular system integrated with an CZ standard dehumidifier. Choose components such as precooler and postcooling, or integral temperature and moisture control. DST supplies a complete unit, which results in simpler planning, faster commissioning and unequivocal functional responsibility compared with systems built up via several different suppliers. All control functions are tested at the factory prior to delivery.

With CZ FLEX, the combination of precooling and sorption dehumidification is optimal for every project. For applications with stringent hygiene requirements, we recommend a solution using dry cooling. The CZ units are available with the option of hot-water coil for regeneration air pre-heating.

Module structure
The modules are made up using an aluminium framework. The panels are made from aluminium zinc (stainless steel is available as an option) with 50 mm double wall insulation, which also results in high levels of noise attenuation. All functional elements (see the example below) can be placed either before or after the dehumidifier.

Filter
CZ FLEX comes with integral bag filters, class F7, with centre latches fitted as standard or F9 as an optional extra.

Heating and cooling coils
Cooling coils are available with various outputs. Inspection hatches are placed before and after the coils. The fins of the cooling coil are treated with hydro fin, which prevents water carry-over and reduces the pressure drop.

Fans
A directly driven process fan with rear-facing blades requires minimal servicing and ensures low energy consumption. The chamber fan can be provided with a frequency converter (optional). The fan is mounted on runners. At low dewpoints, the fan can be placed before the dehumidifier as a compressive fan. The impeller is powder painted.

Controls
Temperature and moisture control are available as optional extras, and are programmed and tested at the factory for faster startup in situ. Sensors and controllers are supplied with cables for simple connection to the central electric unit.

Washable, highly efficient rotor
All DST dehumidifiers come with the D-MAX rotor fitted as standard. The D-MAX has a high dehumidification capacity and long service life, and it is washable and non-flammable. Another three rotors with unique properties are available as optional extras. (See the tab on the right and the DST rotor folder.)

Example of configuration with options:
DST provides pre- and post treatment coils complete with temperature control, all from a single supplier. Contact your nearest DST representative for further information.

CZ FLEX
The drawing shows a configuration with all optional components. (Not identical to the photo above)

Dehumidifier CZ FLEX

CZ FLEX has been developed for applications requiring complete solutions for dehumidification, with moisture and temperature control. These units can also be fitted with special rotors for environments with special requirements; during pharmaceutical manufacturing, in the plastics industry, the manufacture of food and confectionery, the automotive industry and others.