

Dehumidifier Consorb **DC-50 R**



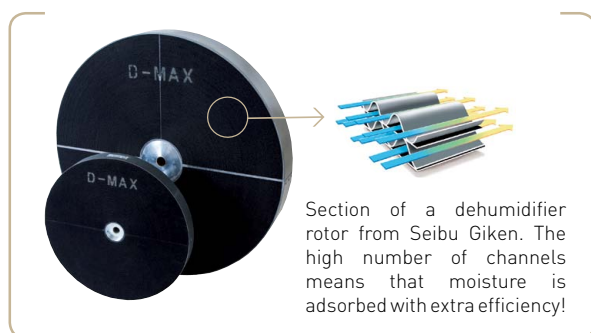
Dehumidifying capacity at 20°C / 60%RH

3 kg/h

Dry air flow

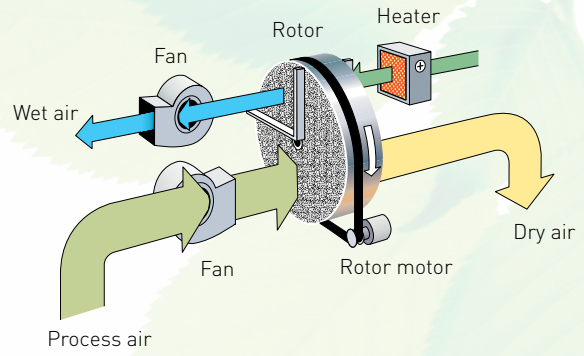
550 m³/h

- Washable rotor
- No desiccant carry-over
- Stainless steel chassis
- Easy to maintain
- Long lifetime



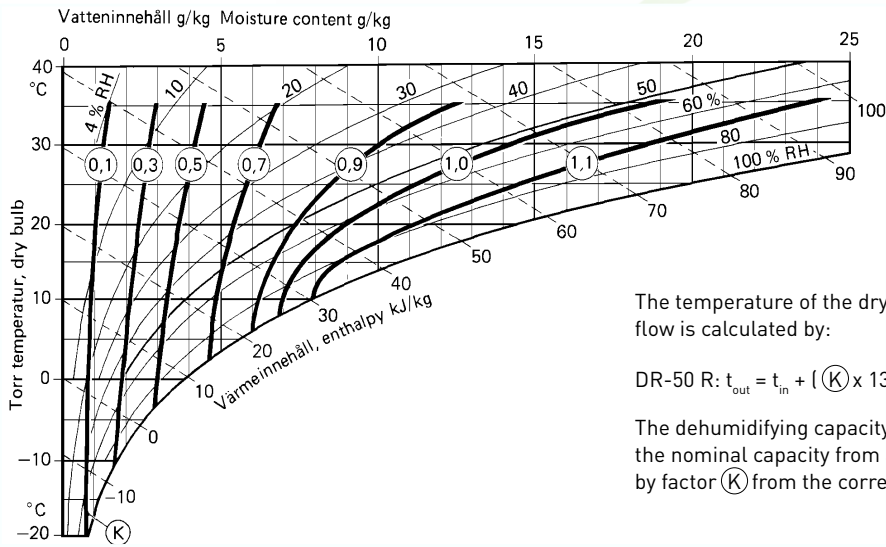
TECHNICAL DATA

Dehumidifier model	DC -50R
Nominal capacity ¹ (kg/h)	3.0
Dry air flow ² (m³/h)	550
Static pressure at disposal (PA)	150
Wet air flow ² (m³/h)	150
Static pressure at disposal (PA)	100
Heater power (kW)	5.0
Total power (kW)	5.5
Supply fuse 3 x 400 V / 50Hz, (A)	16
Weight (kg)	63



- ¹ Valid for inlet conditions 20°C/60%RH. For other inlet conditions the capacity can be calculated by using the correction factor from the diagram shown below.
- ² Volume flow for density 1.20 kg/m³.

CORRECTION DIAGRAM

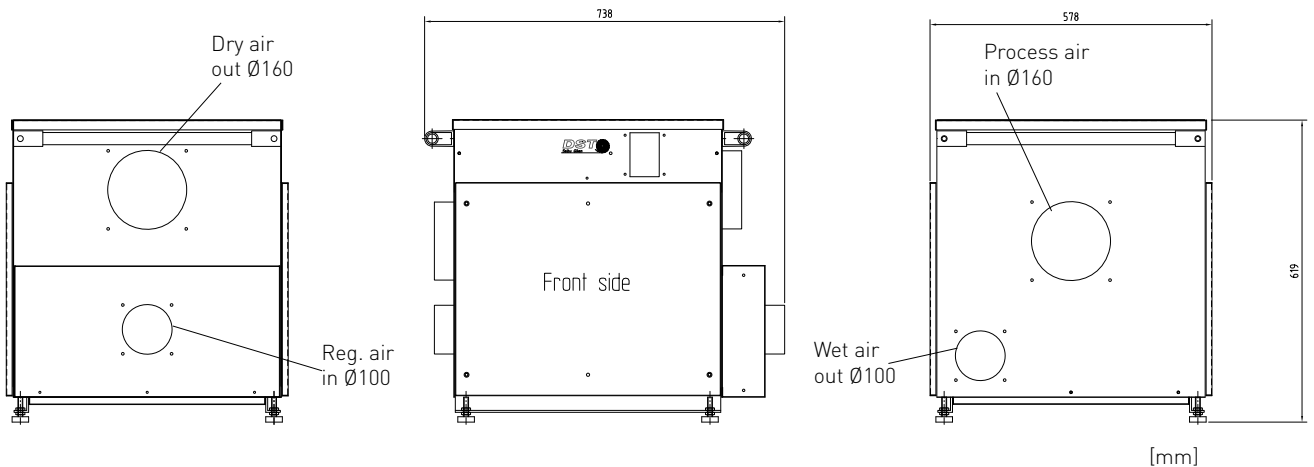


The temperature of the dry air at nominal air flow is calculated by:

$$DR-50 R: t_{out} = t_{in} + [(K) \times 13] + 5$$

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

DIMENSIONS



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

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