

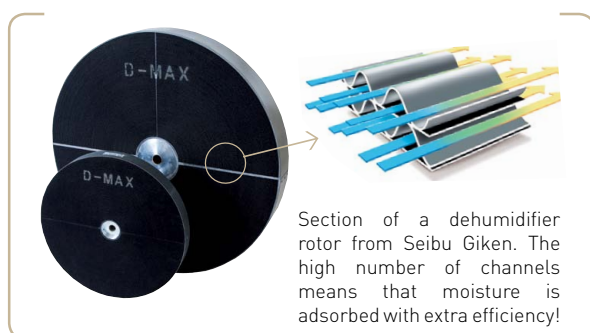
# Dehumidifier Recusorb **R-51R, -61R**



Dehumidifying capacity at 20°C / 60%RH  
**7.3 - 10 kg/h**

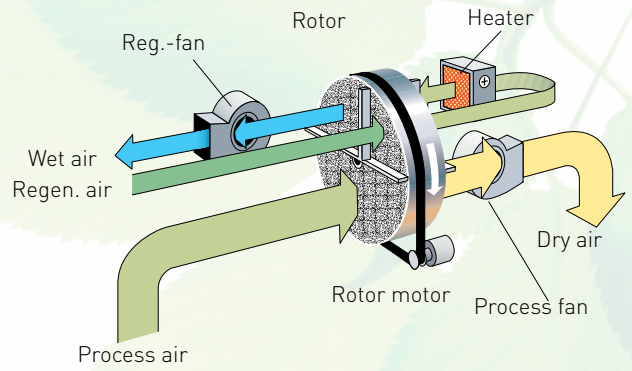
Dry air flow  
**1250 - 1450 m<sup>3</sup>/h**

- Washable rotor
- No desiccant carry-over
- Stainless steel chassis
- Built-in heat recovery
- Low dry air temperature
- Long lifetime



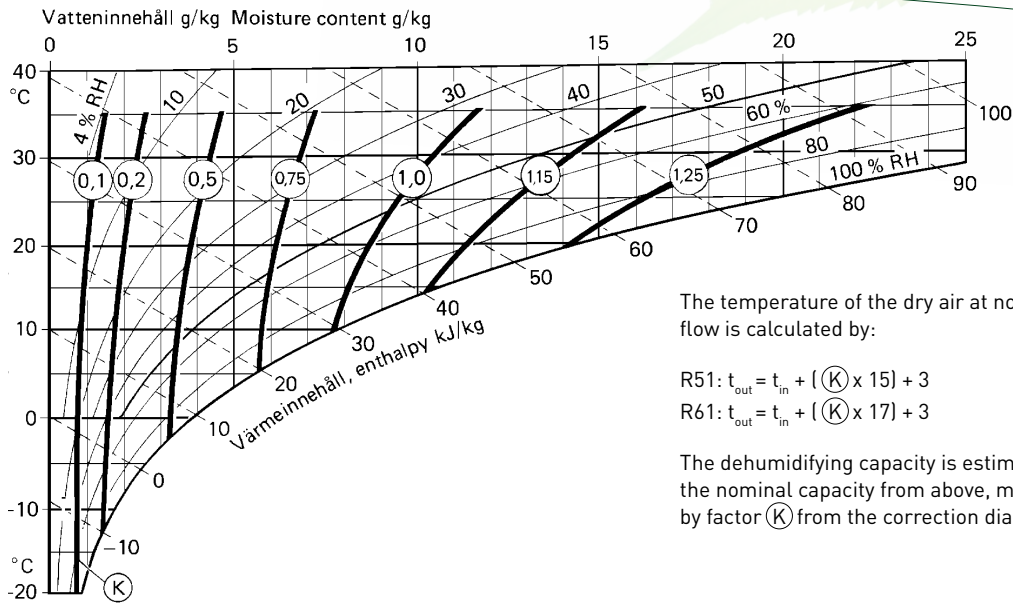
TECHNICAL DATA

Dehumidifier model	R - 51R	R - 61R
Nominal capacity <sup>1</sup> (kg/h)	7.3	10
Dry air flow <sup>2</sup> (m <sup>3</sup> /h)	1250	1450
Static pressure at disposal (Pa)	100	100
Wet air flow <sup>2</sup> (m <sup>3</sup> /h)	430	580
Static pressure at disposal (Pa)	300	200
Heater power <sup>3</sup> (kW)	9	13,5
Maximum electric consumption (kW)	10.3	14.8
Supply fuse 3 x 230/400V 50Hz (A)	32 / 25	40 / 25
Weight (kg)	105	110



- <sup>1</sup> 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.
- <sup>2</sup> Volume flow for density 1.20 kg/m<sup>3</sup>.
- <sup>3</sup> Available with electric heater or steam heater.

CORRECTION DIAGRAM



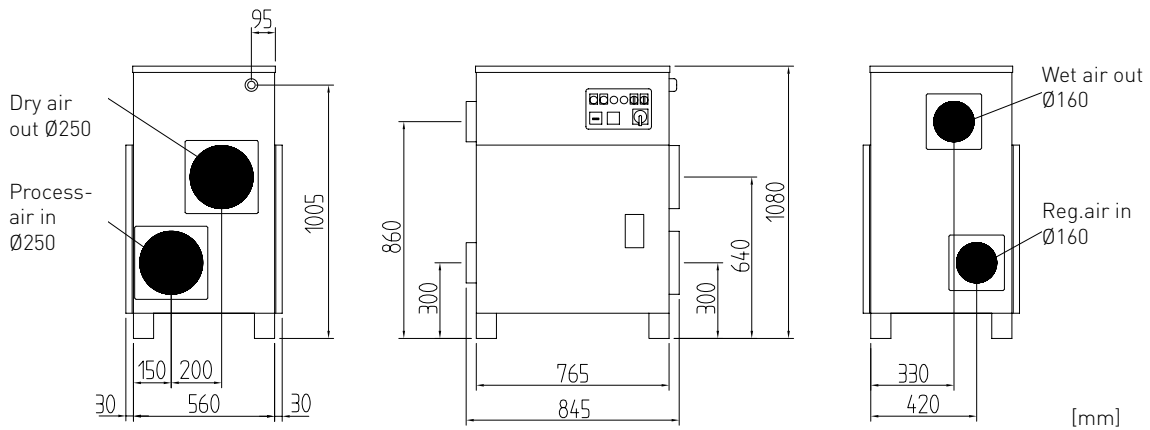
The temperature of the dry air at nominal air flow is calculated by:

$$R51: t_{out} = t_{in} + [(K) \times 15] + 3$$

$$R61: t_{out} = t_{in} + [(K) \times 17] + 3$$

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](http://www.dst-sg.com)