

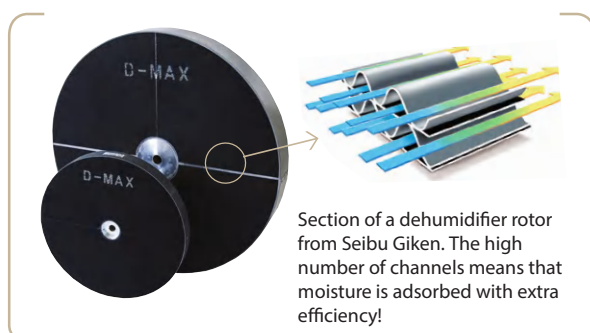
Dehumidifier Recusorb RA-51R, -61R



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

Dry air flow
1 250 - 1 450 m³/h

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

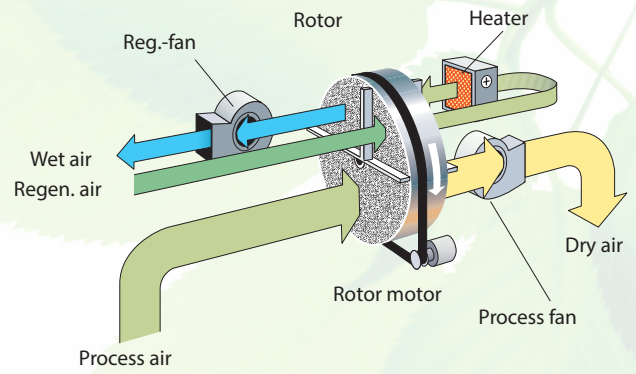


Section of a dehumidifier rotor from Seibu Giken. The high number of channels means that moisture is adsorbed with extra efficiency!



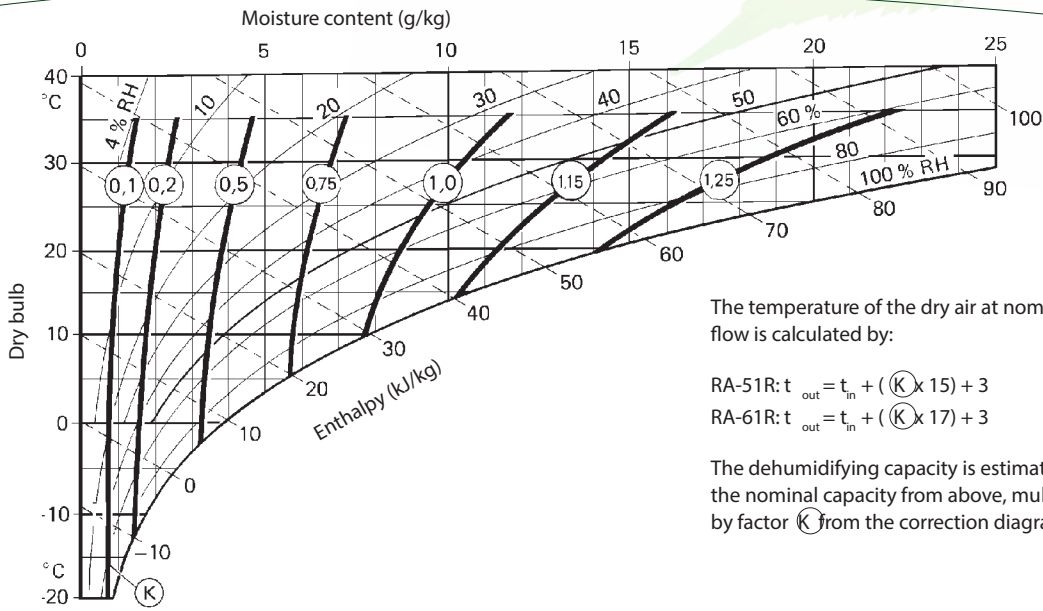
TECHNICAL DATA

Dehumidifier model	RA - 51R	RA - 61R
Nominal capacity ¹ (kg/h)	7.3	10
Dry air flow ² (m ³ /h)	1 250	1 450
Static pressure at disposal (Pa)	100	100
Wet air flow ³ (m ³ /h)	430	580
Static pressure at disposal (Pa)	300	200
Heater power (kW)	9	13,5
Maximum electric consumption (kW)	10.3	14.8
Supply fuse 3 x 400V 50Hz (A)	25	25
Weight (kg)	105	110



- 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.
- ³ Available with electric heater or steam heater.

CORRECTION DIAGRAM



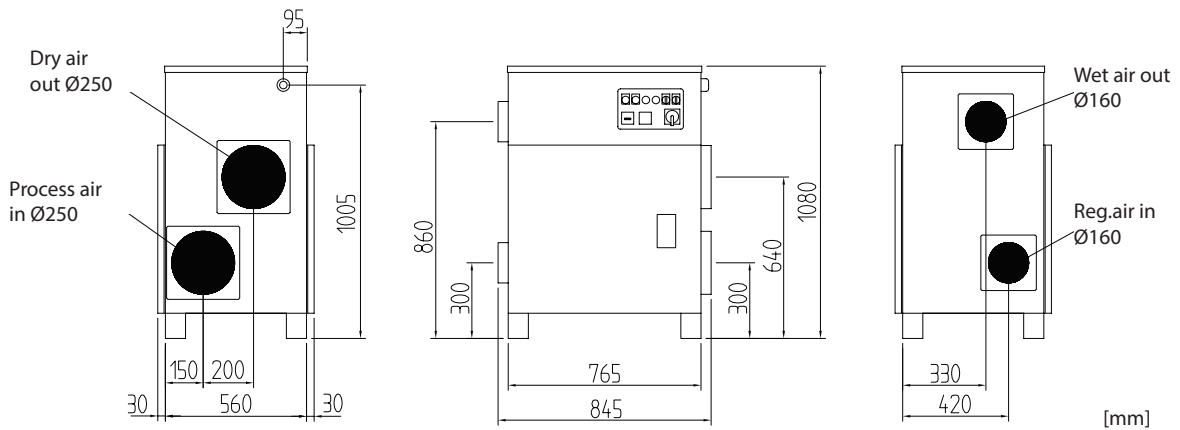
The temperature of the dry air at nominal air flow is calculated by:

$$RA-51R: t_{out} = t_{in} + (K \times 15) + 3$$

$$RA-61R: t_{out} = t_{in} + (K \times 17) + 3$$

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