

Dehumidifier

RECUSORB R-51R, -61R



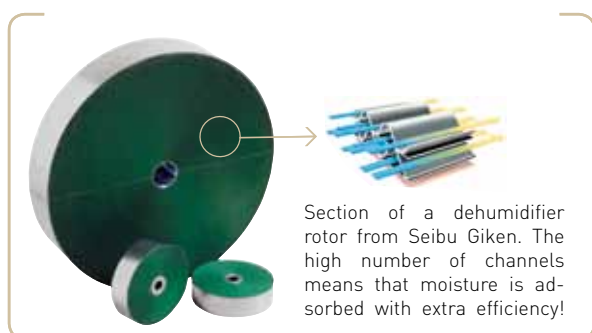
Dehumidifying capacity at 20°C / 60%RH

7.3 - 10 kg/h

Dry air flow

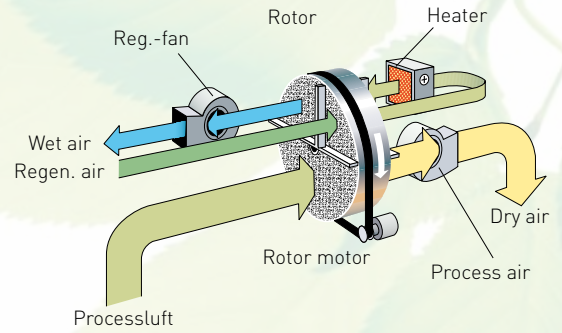
1250 - 1450 m³/h

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



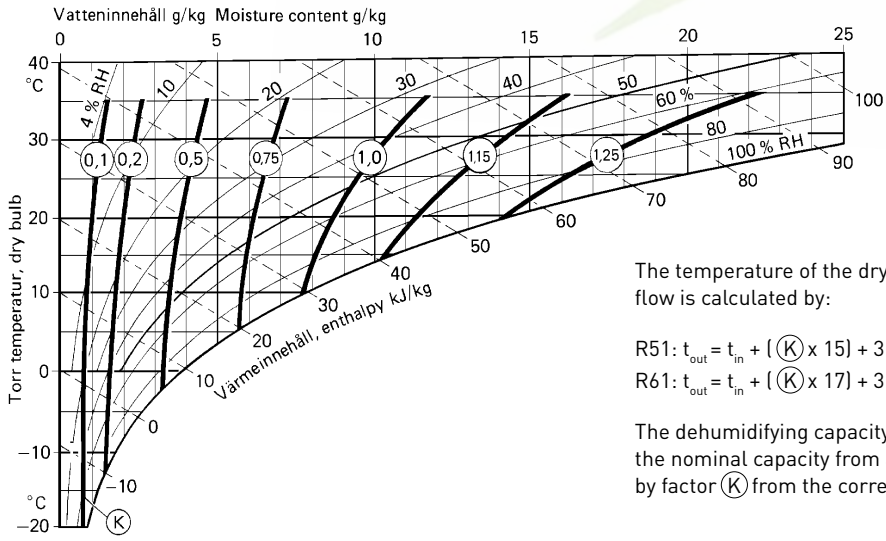
TECHNICAL DATA

Dehumidifier model	R - 51R	R - 61R
Nomial capacity ¹ (kg/h)	7.3	10
Dry air flow ² (m ³ /h)	1250	1450
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 230/400V 50Hz (A)	50 / 25	50 / 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



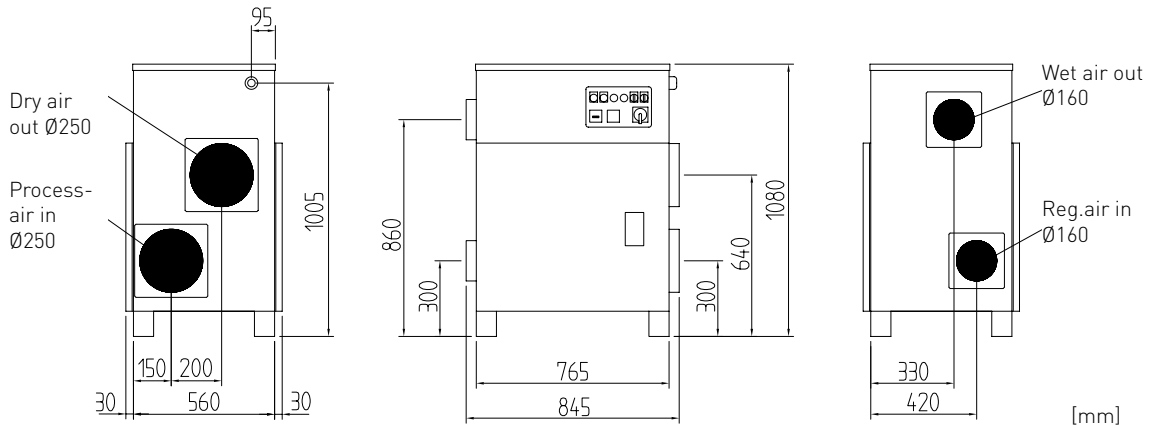
The temperature of the dry air at nominal air flow is calculated by:

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

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

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