

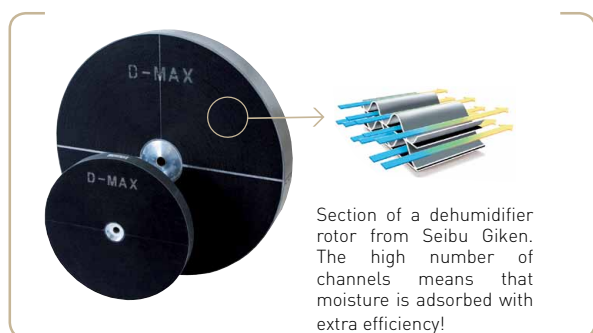
# Dehumidifier Consorb **DC-20 / 30** T10,T16



Dehumidifying capacity at 20°C / 60%RH  
**1.1 - 1.5 kg/h**

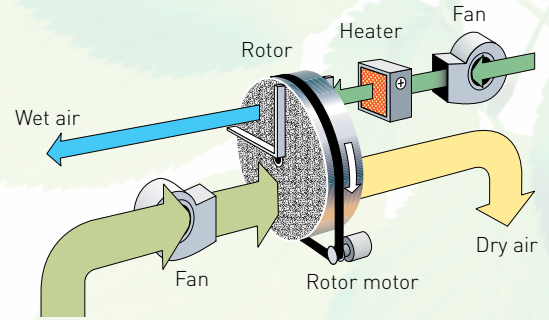
Dry air flow  
**310 - 400 m<sup>3</sup>/h**

- ↘ Washable rotor
- ↘ Protected control panel
- ↘ Stainless steel chassis
- ↘ Self-regulating heater
- ↘ Fold-flat handle
- ↘ Long lifetime
- ↘ Easy access to filter



TECHNICAL DATA

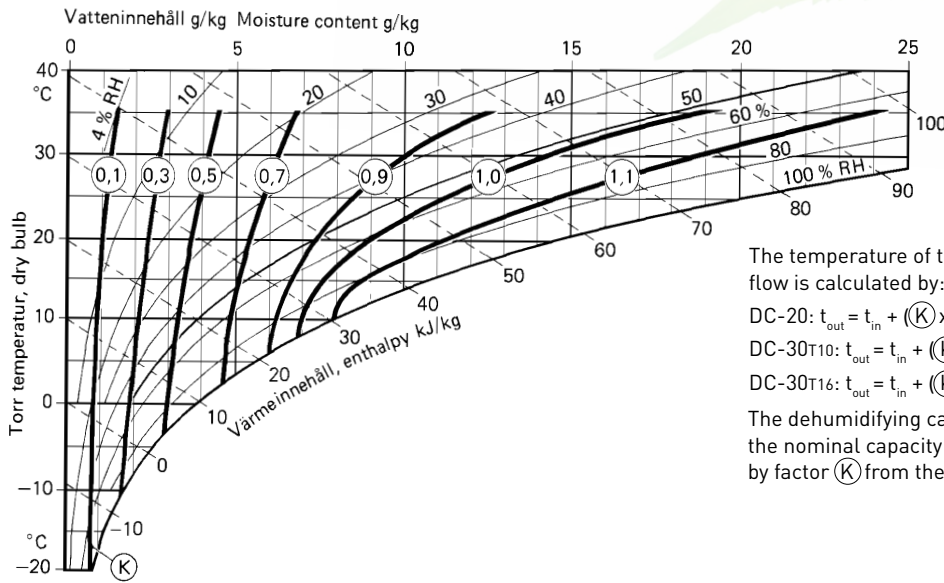
Dehumidifier model	DC-20	DC-30 T10	DC-30 T16
Nominal capacity <sup>1</sup> (kg/h)	1.1	1.3	1.5
Dry air flow <sup>2</sup> (m³/h)	310	400	400
Static pressure at disposal (Pa)	100	85	100
Wet air flow <sup>2</sup> (m³/h)	60	90	70
Static pressure at disposal (Pa)	80	80	80
Heater current [A]	7.5	8.0	12.5
Total power (kW)	2.1	2.2	3.2
Supply fuse 230V [A]	10	10	16
Weight (kg)	31	32	32



Process air

- 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.
- Volume flow for density 1.20 kg/m³.
- The design of the PTC heater enables the power to be regulated by controlling the wet air flow.

CORRECTION DIAGRAM



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

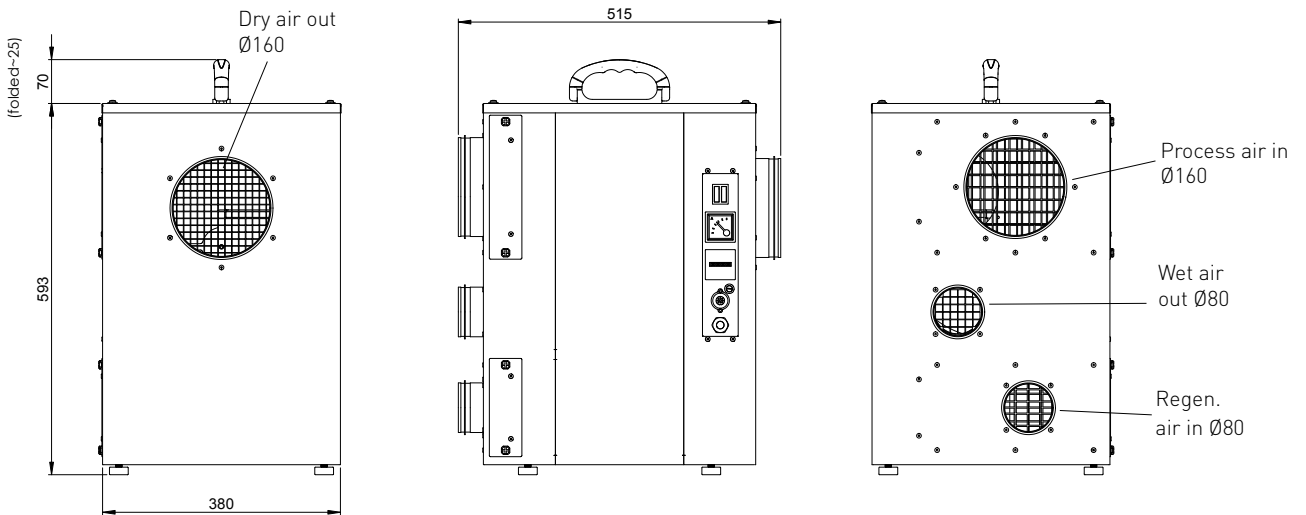
$$DC-20: t_{out} = t_{in} + ((K \times 6) + 5)$$

$$DC-30T10: t_{out} = t_{in} + ((K \times 8) + 5)$$

$$DC-30T16: t_{out} = t_{in} + ((K \times 9) + 5)$$

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

DIMENSIONS



[mm]

Subject to change without notice.