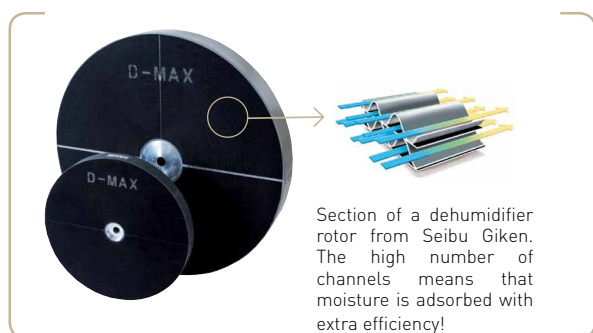Dehumidifier Consorb
DC-20 / 30 T10,T16
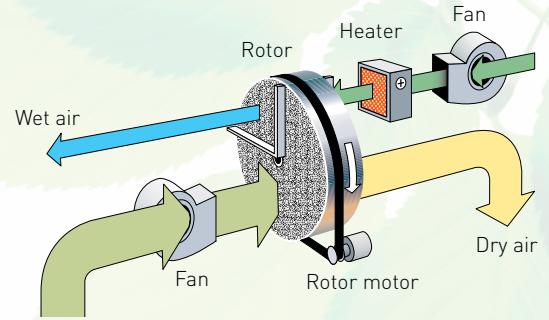
Dehumidifying capacity at 20°C / 60%RH
1.1 - 1.5 kg/h

Dry air flow
310 - 400 m³/h

↘ Washable rotor

↘ Protected control panel

↘ Stainless steel chassis

↘ Self-regulating heater

↘ Fold-flat handle

↘ Long lifetime

↘ Easy access to filter

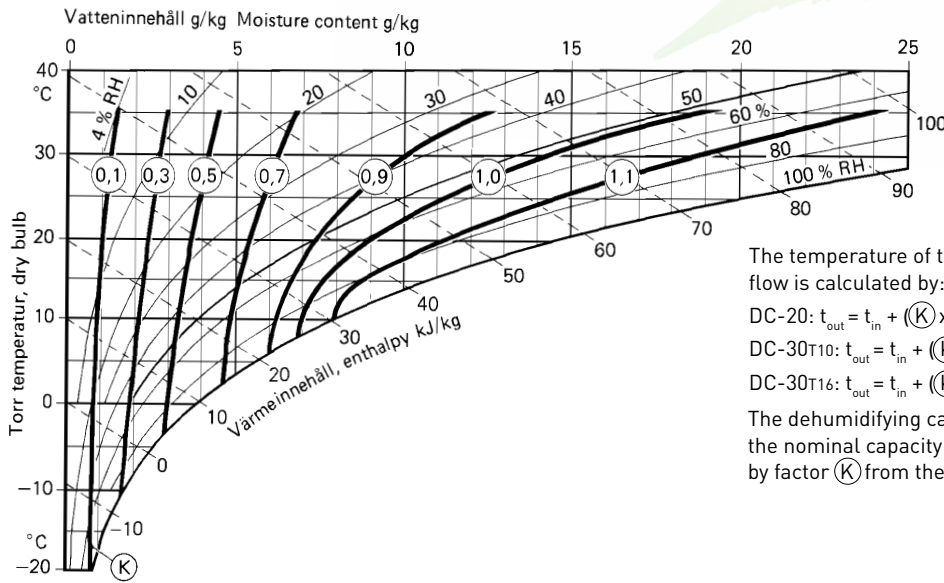Section of a dehumidifier rotor from Seibu Giken. The high number of channels means that moisture is adsorbed with extra efficiency!

DST
Seibu Giken

Dehumidifier model	DC-20	DC-30 T10	DC-30 T16
Nominal capacity[1] (kg/h)	1.1	1.3	1.5
Dry air flow[2] (m^3/h)	310	400	400
Static pressure at disposal (Pa)	100	85	100
Wet air flow[2] (m^3/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

Wet air — Rotor — Heater — Fan — Dry air — Fan — Rotor motor — Process air

[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] The design of the PTC heater enables the power to be regulated by controlling the wet air flow.

Vatteninnehåll g/kg Moisture content g/kg

Torr temperatur, dry bulb

Värmeinnehåll, enthalpy kJ/kg

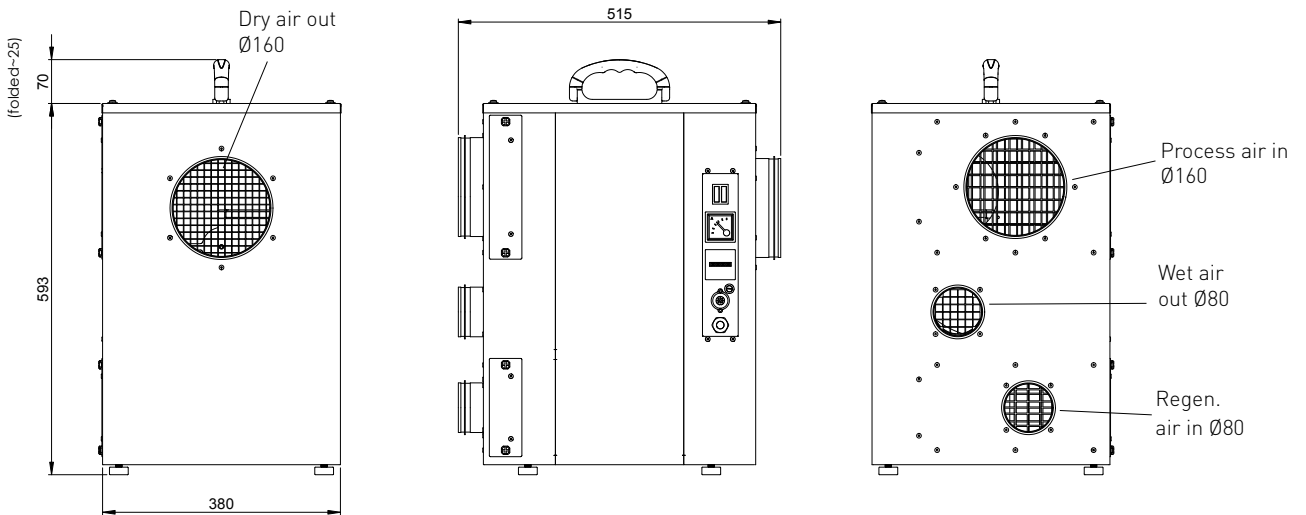The temperature of the dry air at nominal air flow is calculated by:

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.

Dry air out Ø160

(folded~25)
70
593
380

515

Process air in Ø160

Wet air out Ø80

Regen. air in Ø80

[mm]

Subject to change without notice.