Dehumidifier Recusorb

RL-61, -61 ICE, -61L, -61L ICE

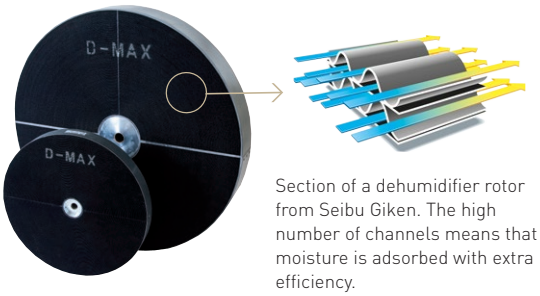
Dehumidifying capacity at 20°C / 60%RH

7,5 - 11,5 kg/h

Dry air flow

1 300 - 2 100 m³/h

- Excellent performance in all climates
- Built-in heat recovery
- Duct connection
- F7 filter
- Stainless steel chassis and panels
- Highly efficient D-MAX rotor
- Options:
  - Frequency inverter to control airflows
  - Filter guard
  - Linear capacity control
  - Panel mounted humidity / dew point controller
  - Insulated inlets to help prevent condensation

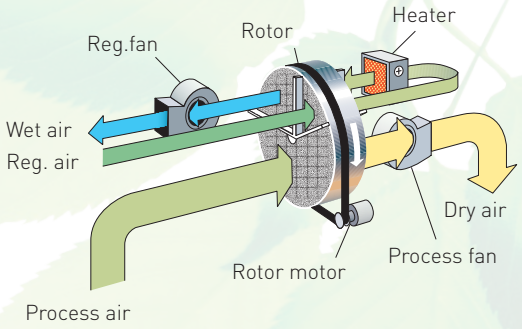


Section of a dehumidifier rotor from Seibu Giken. The high number of channels means that moisture is adsorbed with extra efficiency.

DST Seibu Giken

TECHNICAL DATA

Dehumidifier model	RL-61	RL-61 ICE	RL-61L	RL-61L ICE
Nominal capacity[1] (kg/h)	7,5	8	11	11,5
Dry air flow[2] (m^3/h)	1 300	1 600	1 800	2 100
Static pressure at disposal (Pa)	200	400	200	300
Wet air flow[2] (m^3/h)	280	280	420	420
Static pressure at disposal (Pa)	300	300	300	300
Heater power (kW)	9	9	13,5	13,5
Total power (kW)	10,12	10,87	15,55	16,25
Supply fuse 3 x 400V 50Hz (A)	20	20	25	32
Weight (kg)	130	130	132	132

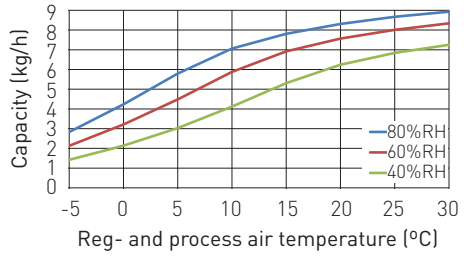


[1] Valid for inlet conditions 20°C/60%RH. For other inlet conditions the capacity can be calculated by using the correction diagrams shown below.

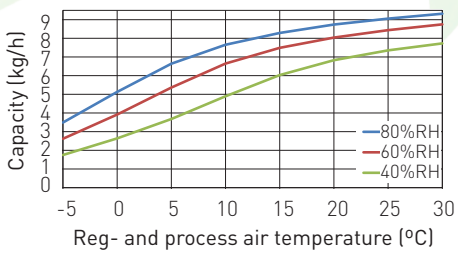
[2] Volume flow for density 1,20 kg/m^3.

CORRECTION DIAGRAM

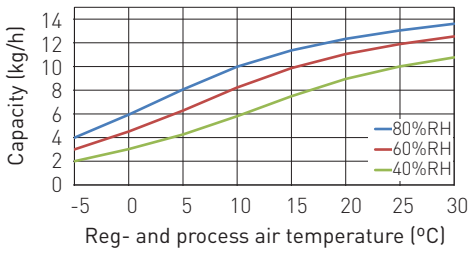
RL-61



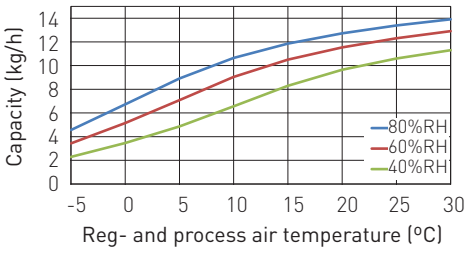
RL-61 ICE



RL-61L



RL-61L ICE



The temperature of the dry air at nominal air flows is calculated by: (Where C is the capacity in kg/h from above diagram).

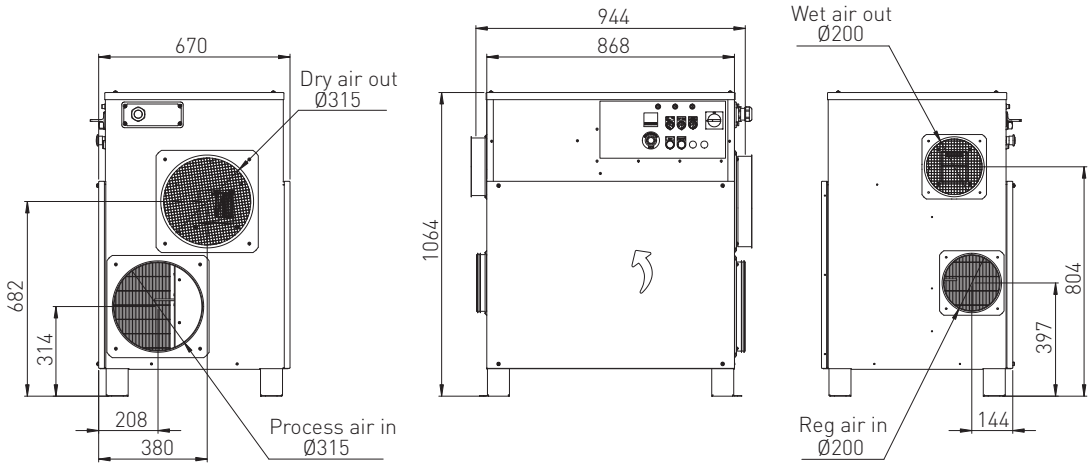
RL-61: $T_{out} = T_{in} + C \times 1,6 + 3$

RL-61 ICE: $T_{out} = T_{in} + C \times 1,3 + 3$

RL-61L: $T_{out} = T_{in} + C \times 1,2 + 3$

RL-61L ICE: $T_{out} = T_{in} + C + 3$

DIMENSIONS



Subject to change without notice. Download installation drawing at www.dst-sg.com

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