Dehumidifier Recusorb

RLA-61, -61 ICE, -61L, -61L ICE

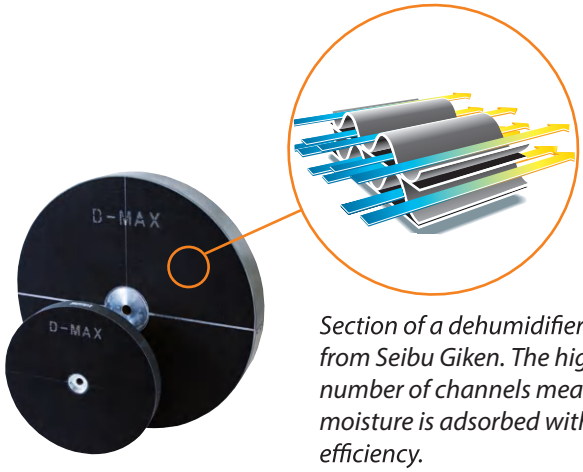
Dehumidifying capacity at 20°C / 60%RH

7.5 - 11.5 kg/h

Dry air flow

1300 - 2100 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

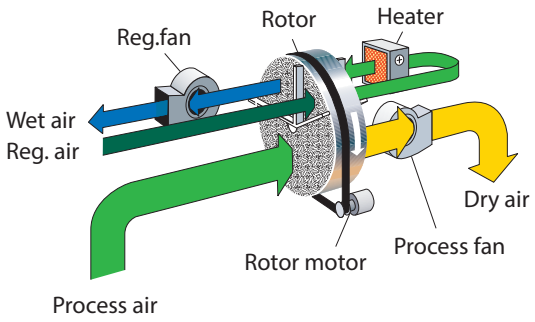


Section of a dehumidifier rotor from Seibu Giken. The high number of channels means that moisture is adsorbed with extra efficiency.

World leaders in dehumidification.

TECHNICAL DATA

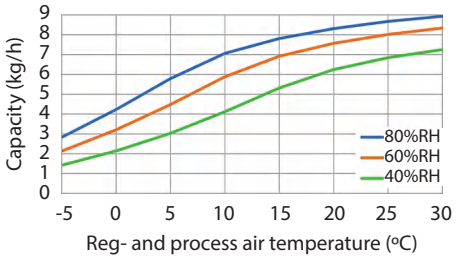
Dehumidifier model	RLA-61	RLA-61 ICE	RLA-61L	RLA-61L ICE
Nominal capacity[1] (kg/h)	7.5	8	11	11.5
Dry air flow[2] (m^3/h)	1300	1600	1800	2100
Static pressure at disposal (Pa)	200	400	200	300
Wet air flow[2] (m^3/h)	280	280	420	420
Static pressure at disposal (Pa)	300	300	300	300
Heater power (kW)	9	9	13.5	13.5
Total power (kW)	10.2	10.9	15.6	16.3
Supply fuse 3 x 400V 50Hz (A)	20	20	25	32
Weight (kg)	130	130	132	132



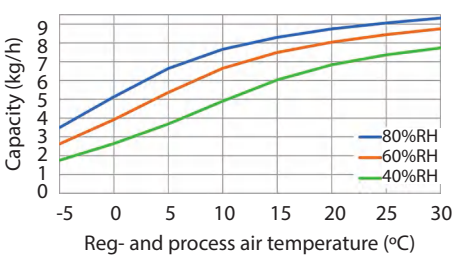
1. Valid for inlet conditions 20°C/60%RH. For other inlet conditions the capacity can be calculated by using the correction diagrams shown below.
2. Volume flow for density 1.20 kg/m^3.

CORRECTION DIAGRAM

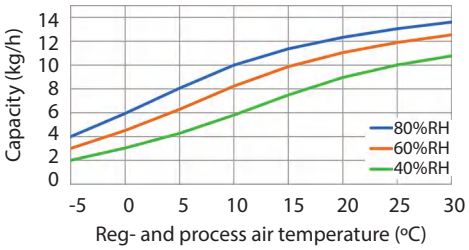
RLA-61



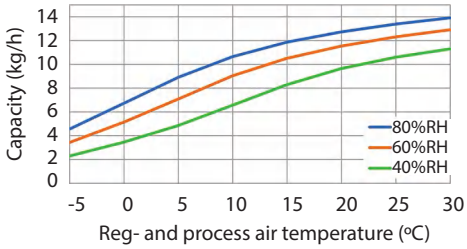
RLA-61 ICE



RLA-61L



RLA-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).

RLA-61:

$T_{out} = T_{in} + C \times 1,6 + 3$

RLA-61 ICE:

$T_{out} = T_{in} + C \times 1,3 + 3$

RLA-61L:

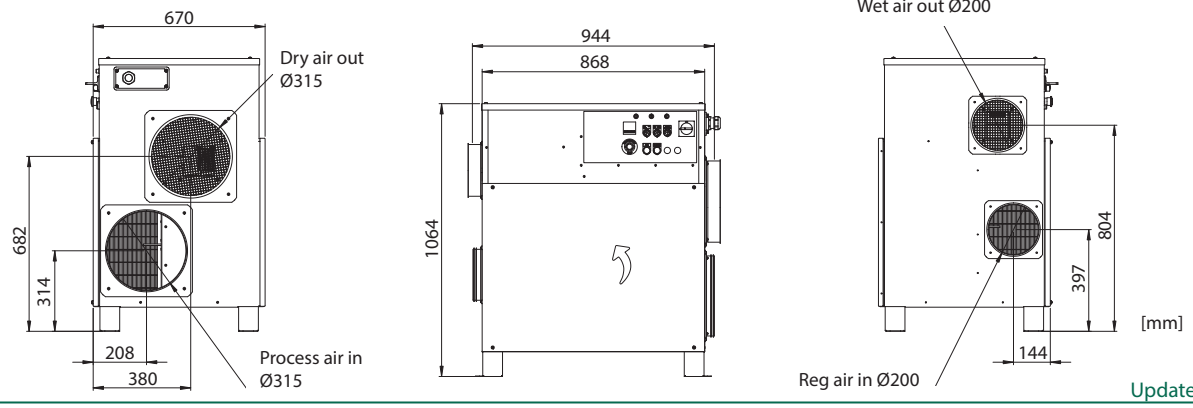
$T_{out} = T_{in} + C \times 1,2 + 3$

RLA-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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