

Solid polymer Electrolytic Dehumidifier

ROSAHL

Product Specification

Model : RDH - 10J1

RYOSAI TECHNICA CO., LTD.

RB-PS12022

## 1. Application

This specification document is applied to model RDH-10J1 of solid polymer electrolytic dehumidifier "ROSAHL".

## 2. Outline

Drawing No : RB-RA0X0023 (Refer to page 4)

## 3. Specification

- 1). Input voltage : AC 100V (AC 90~110V)
- 2). Operating temperature : -10~50°C
- 3). Operating humidity : 90%RH and below
- 4). Dehumidifying capacity before shipment : 29 g/day (at 30°C, 60%RH)
- 5). Annual average power consumption : 10W (at 20°C, 65%RH)
- 6). Dielectric strength : AC 2000V (1 min.)
- 7). Applicable volume : ~4.0m<sup>3</sup>
- 8). Weight : 1.3kg

## 4. Delivery Inspection

Tested the following inspection items.

- 1). Appearance
- 2). Element terminal voltage
- 3). Dehumidifying capacity
- 4). Nameplate
- 5). Packaging

## 5. Packaging

The products are packed individually and fill the box with them to avoid breakage failure while transport.

## 6. Accessory

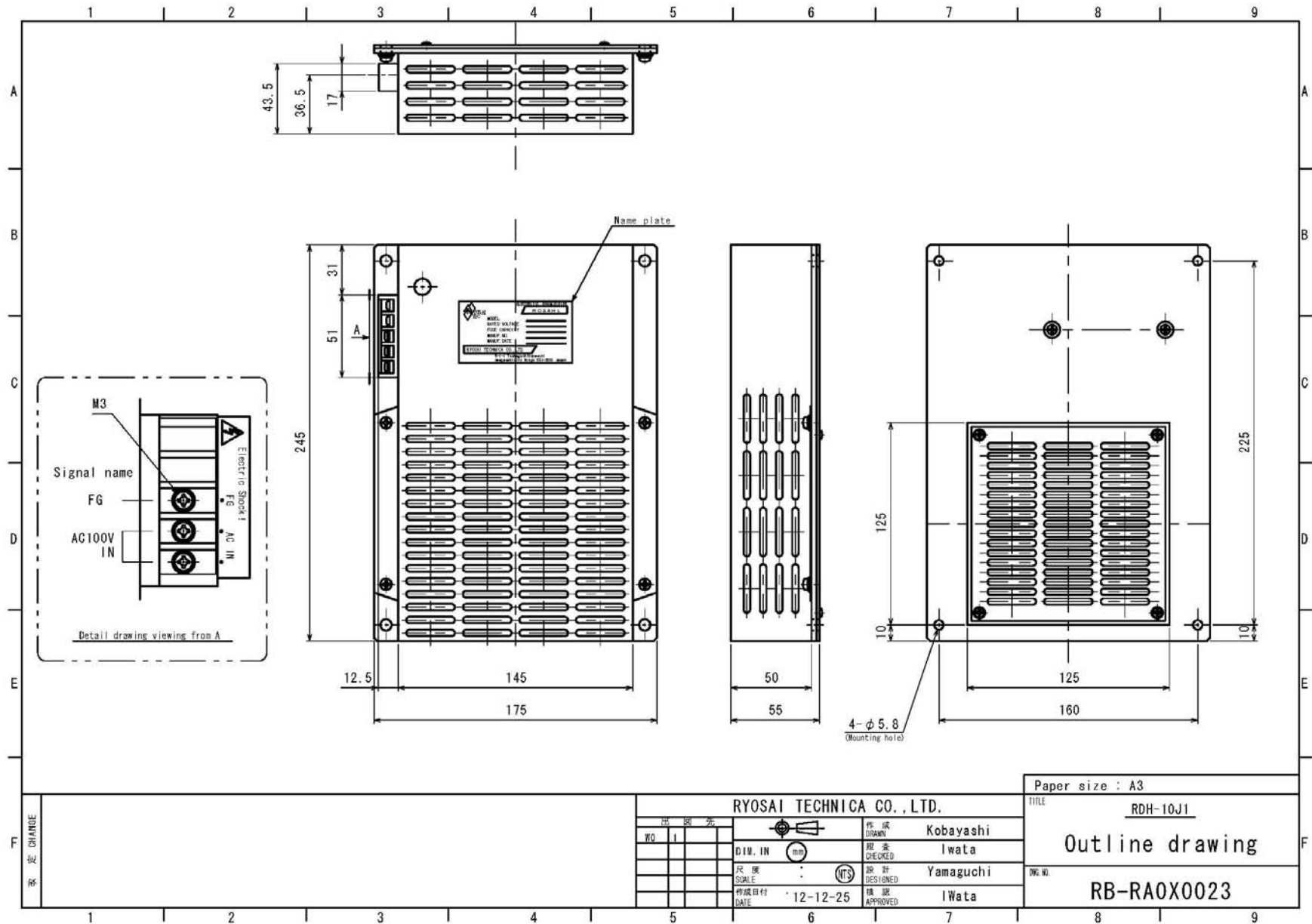
- 1). Instruction manual 1 piece

## 7. Precautions for Use of Dehumidifier

- 1). Check the installation direction carefully before installation. Installing in the opposite direction will reverse dehumidification and humidification, which may result in an adverse effect on the contents in the container.
- 2). The container must have a sealed structure. If the container is made of moisture-permeable material, the results may not be satisfactory.
- 3). It is preferable that the product is installed in the center of the inner side surface of the container. ( Do not install on the top or bottom surface )
- 4). If there is rubber packing or a similar material that contains an antioxidant, crystalline substances may form on the element. Careful evaluation of material is necessary when selecting a packing.
- 5). Sealing agents should not be silicon-based to make a container airtight.  
(Silicon-based sealing agents generate oxime gas and siloxane gas during hardening, which quickly degrades the performance of the dehumidifying element.)  
Consult us if any questions.
- 6). Do not expose the moisture discharging hole to water. When using outdoors, be sure to attach a rainproof cover with anti-insect net (perforated metal) ( optional ) to protect from water or insects.
- 7). Keep the moisture discharging side unsealed and well ventilated.

- 8). DO NOT use with vapor phase corrosion inhibitor or insect repellent. DO NOT use in an environment with a lot of organic gas.
- 9). Consult us if there is dust or oil mist in the environment where the product will be used.
- 10). DO NOT attempt to disassemble, repair or modify the product, as this may damage it.

(4/4)



REVISION CHANGE

RYOSAI TECHNICA CO., LTD.		作図 DRAWN	Kobayashi
寸法 DIM. IN	mm	図案 CHECKED	Iwata
縮尺 SCALE	1/5	設計 DESIGNED	Yamaguchi
作成日付 DATE	12-12-25	検読 APPROVED	Iwata

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