

Solid polymer Electrolytic Dehumidifier

ROSAHL

Product Specification

Model : RDH - 3P1

RYOSAI TECHNICA CO., LTD.

RB-PS12016A

## 1. Application

This specification document is applied to model RDH-3P1 of solid polymer electrolytic dehumidifier "ROSAHL".

## 2. Outline

Drawing No : RB-R30X0022 (Refer to page 4)

## 3. Specification

1). Input voltage : AC 100V / 200V (AC 85 ~ 264V)

For AC 100V : A power supply cord with 2P plug is included as standard equipment.

For AC 200V : A power supply cord with 2 crimping terminal (R1.25-4) is included as standard equipment.

The power supply cord is 2 meter length.

2). Operating temperature : -10 ~ 5 °C

3). Operating humidity : 90%RH and below

4). Dehumidifying capacity before shipment : 2.9 g/day (at 30°C, 60%RH)

5). Annual average power consumption : 3W (at 20°C, 65%RH)

6). Dielectric strength : AC 2000V (1 min.)

7). Applicable volume : ~0.35 m<sup>3</sup>

8). Weight : 0.25 kg

## 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.

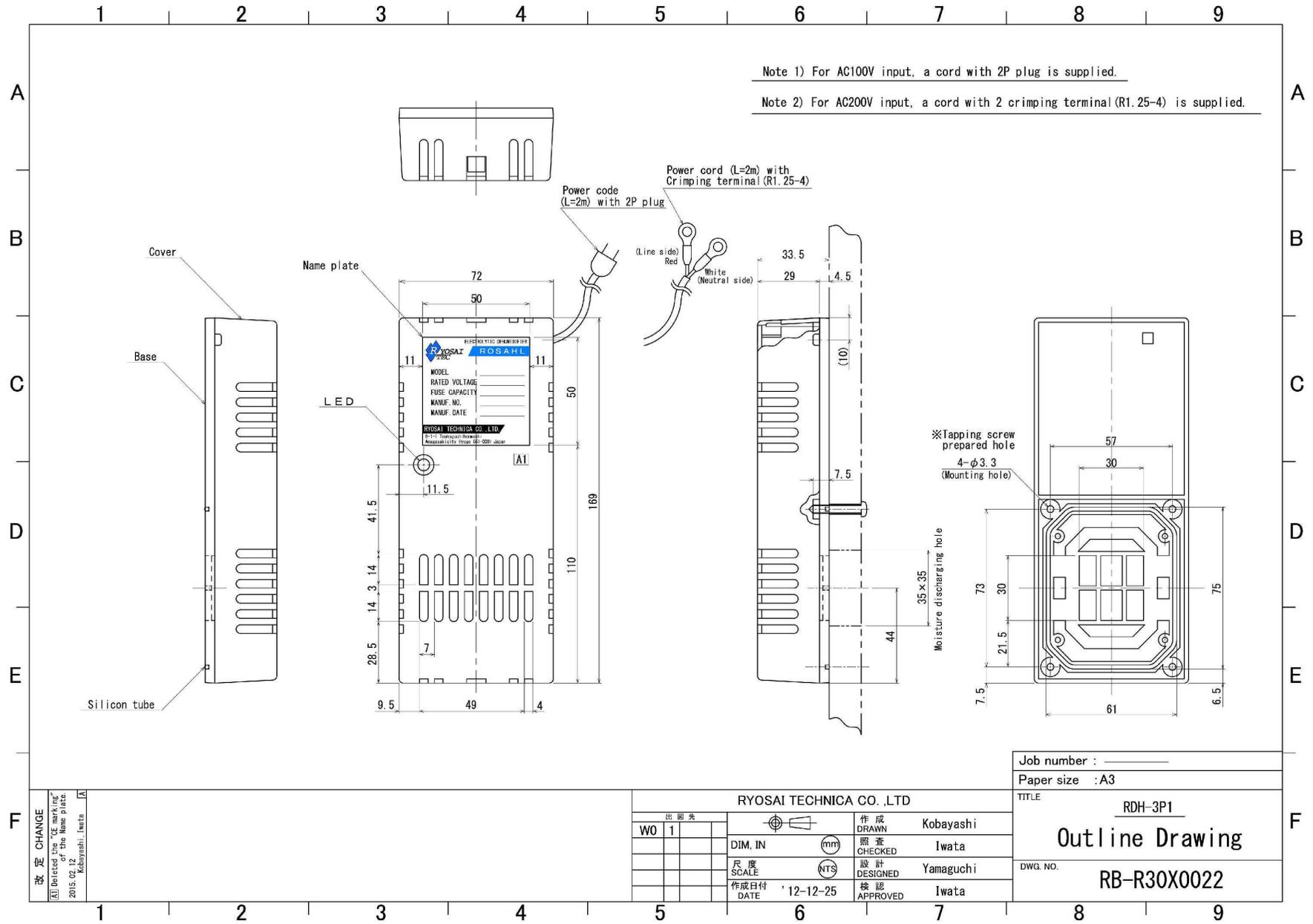
5). Sealing agents should not be silicon-based to make a container airtight

(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)



改定 CHANGE  
 [A] Deleted the "CE marking" of the Name plate.  
 2015.02.12, Iwata  
 Kobayashi, Iwata

出図先		RYOSAI TECHNICA CO.,LTD	
WO	1	作成 DRAWN	Kobayashi
		照査 CHECKED	Iwata
		設計 DESIGNED	Yamaguchi
		作成日付 DATE	'12-12-25
		検認 APPROVED	Iwata

Job number :	_____
Paper size :	A3
TITLE	RDH-3P1
	<b>Outline Drawing</b>
DWG. NO.	RB-R30X0022