

# COMMERCIAL DESICCANT DEHUMIDIFIER

## RY1000M

**180 litres per day**

RY-1000M is suitable for very cold or hot areas or areas requiring extremely low humidity percentage or dew point. When you choose this desiccant dehumidifier, you can buy and install with confidence.

The desiccant wheel itself is made of quality silica gel material, which is very good at absorbing water vapour.

The air flow, wheel transmission and wheel rotation speed are optimized by technicians during manufacture. This cutting edge technology is used to ensure maximum efficiency of air distribution, air balance and dehumidifying capacity.

### **Features:**

- CNC machining structure process
- Efficient absorption silica gel wheel
- Control noise damping and shock absorption
- Industrial flange for easy operation
- Circuit breaker incorporated to minimize damage at high temperatures for electrical motor; heater and the drive wheel
- Leakage protection safeguard for electrical motor; heater and the drive wheel
- Unique seal design; Reduces air leakage
- Dynamic balance design, ensures stable operation while moving
- Able to operate in a wide range of temperatures from -20°C + 50°C heat
- The design is in line with the requirements of IEC protection Class IP44
- Electrical design in accordance with international standards EN60204



**Price: \$ P.O.A. (Includes GST)**

**Warranty: 2 years**

### **Specifications:**

Dehumidification capacity (@ 20°C, 60%)	7.50 kg/hr : 180 ltr p/day
Dehumidification capacity (@ 30°C, 80%)	8.10 kg/hr : 194.4 ltr p/day
Process air flow	1100 m³/hr
Static pressure at disposal	200 PA
Reactivation air flow	400 m³/hr
Static pressure at disposal	150 PA
Operating temperature range	-20°C up to 50°C
Heater power	12.0 KW
Heater current	18.0 A
Voltage	3 phase 380 V/50 Hz
Maximum electric consumption	13.0 KW
Current	20 A
Noise	75 dB
Weight	140 kg
Certification	CE/RoHS

Dehumidification Capacity (kg/hr)							
Humidity		30%	40%	50%	60%	70%	80%
Temperature	5°C					4.00	4.50
	10°C					5.50	6.20
	15°C			5.30	6.00	6.70	7.20
	20°C	4.50	5.70	6.60	7.30	7.90	8.40
	25°C	5.60	6.70	7.50	8.10	8.40	8.60
	30°C	6.50	7.40	7.80	8.00	8.00	8.10

  

Width (A) 636 mm	Height (B) 1220 mm	Length (C) 828 mm	Diam. (D) 200 mm	Diam. (E) 200 mm	Diam. (F) 125 mm	Diam. (G) 125 mm

Diagram measurements are for reference only

**CE-declaration of conformity**  
 EN6024-1:2006+A1:2009+AC:2010  
 EN ISO12100:2010  
 EN55014-1:2006+A1:2009  
 EN55014-2: 1997+A2:2008  
 EN61000-3-2:2006+A2:2009  
 EN61000-3-3:2008

