

# COMMERCIAL DESICCANT DEHUMIDIFIER

## RY1200M

**204 litres per day**

RY-1200M uses unique heat recovery technology for energy savings and cooler dry air. This large capacity unit is equally at home in an industrial warehouse, large manufacturing facilities or a power station injecting clean dry air into decommissioned turbines. Machines of this calibre have a variety of uses, only limited by you the customer's needs.

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%)	8.50 kg/hr : 204 ltr p/day
Dehumidification capacity (@ 30°C, 80%)	9.50 kg/hr
Process air flow	1250 m <sup>3</sup> /hr
Static pressure at disposal	200 PA
Reactivation air flow	450 m <sup>3</sup> /hr
Static pressure at disposal	150 PA
Operating temperature range	-20°C up to 50°C
Heater power	12.0 KW
Heater current	20.0 A
Voltage	3 phase 380 V/50 Hz
Maximum electric consumption	13.0 KW
Current	22 A
Noise	80 dB
Weight	185 kg
Certification	CE/RoHS

Dehumidification Capacity (kg/hr)							
Humidity		30%	40%	50%	60%	70%	80%
Temperature	5°C					2.00	3.50
	10°C					4.00	5.60
	15°C			2.00	5.50	6.00	8.00
	20°C	6.50	7.50	8.20	8.50	9.00	9.50
	25°C	6.80	7.70	8.50	9.50	9.70	10.20
	30°C	7.00	8.00	9.00	9.70	10.00	11.00

  
  

Width (A) 693 mm	Height (B) 880 mm	Length (C) 1138 mm	Diam. (D) 250 mm	Diam. (E) 250 mm	Diam. (F) 160 mm	Diam. (G) 160 mm
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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

