

**LINGYU凌宇**

**—COMPRESSED AIR SYSTEM—**  
ZHONGSHAN LINGYU MACHINERY CO., LTD.



## >Main Product:

- Air cooled/water cooled /energy-saving refrigerated dryer
- Heatless regeneration / heated regeneration / modular adsorption dryer
- Zero loss/micro air consumption adsorption dryer
- PSA nitrogen generator
- Filter and accessories

### Corporate mission:

To provide professional, comprehensive and competitive complete solutions and services for industrial gas separation and purification

### Corporate vision:

To be a leading enterprise in the industry and create a world-renowned brand

### Corporate development philosophy:

Technology-supported value-driven

### Marketing strategy:

To win the market with high-quality products and professional services

# DB SERIES

## MULTI PLE ENERGY-SAVING REFRIGERATED AIR DRYER

### ■ Design Features

#### Low pressure loss

The precooler is a newly designed annular pipe structure. It has three times more pipes than a traditional precooler. The sufficient flow cross-sectional area of the compressed air further reduces the pressure difference and the overall pressure of the machine. The loss is less than 0.1bar;

#### Low dew point

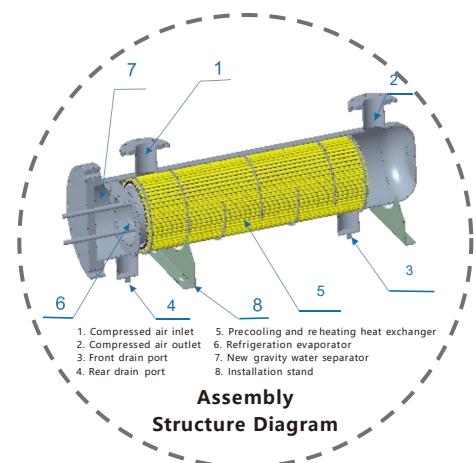
The new optimized integrated three-in-one design and unique water separation design make the dew point more secure;

#### Frequency conversion energy saving

Brand frequency converter, frequency conversion range 30Hz ~90Hz, by changing the electromechanical frequency of the dryer to match the actual working conditions;

#### Intelligent control

It comes standard with PLC and touch screen, which intelligently controls the compressor cooling capacity output by sensing the evaporation load to ensure the machine operates at its best. It comes with a standard RS-485 communication interface.



### ■ Operating Conditions & Requirements

**Applicable Fluids:** Compressed air, non-corrosive air

**Rated Inlet Pressure:** 0.7 MPa (0.6–1.0 MPa allowable; other pressures customizable)

**Rated Inlet Temperature:** 45°C (maximum ≤ 60°C)

**Pressure Loss (Full Load):** < 0.01 MPa

**Outlet Dew Point:** 2°C – 10°C

**Ambient Temperature:** 35°C (operating range 2°C – 45°C)

**Cooling Method:** Air-cooled / Water-cooled optional

### ■ Technical Parameters

Model	Capacity (m³/min)	Power ( kW)	Connection size	Dimension (L*W*H)
LY-DB30A	3.8	0.44-1.25	DN40	1000×600×1050

LY-DB50A	6.5	0.48-1.42	DN40	1100×600×1100
LY-DB75A	10.5	0.6-1.9	DN50	1250×700×1155
LY-DB100A	13.5	0.8-3.6	DN65	1400×850×1350
LY-DB120A	17.0	1.02-3.6 1	DN80	1570×800×1200
LY-DB150A	21.5	1.02-4.03	DN80	1500×950×1400
LY-DB180A	25.0	1.4-5.5	DN80	1835×940×1480
LY-DB200A	28.5	1.4-6.5	DN80	1835×940×1480
LY-DB250A	32.0	2.02-7.58	DN80	1835×940×1480
LY-DB300A	37.0	2.12-8.2	DN100	1900×980×1580
LY-DB350A	41.5	2.3-9.1	DN100	1900×980×1580
LY-DB400A	45.0	2.39-9.56	DN100	1900×980×1580
LY-DB500A/W	55.0	1.13-10.49	DN125	2300×1000×1750
LY-DB600A/W	65.0	1.70-11.20	DN125	2300×1000×1750
LY-DB700A/W	75.0	4.18-12.16	DN125	2490×1200×2220
LY-DB800A/W	85.0	4.5-14.30	DN125	2490×1200×2220
LY-DB900A/W	95.0	4.6-18.8	DN150	2450×1200×2250
LY-DB1100A/W	110	5.1-21.2	DN150	2450×1200×2250
LY-DB1200A/W	120	5.6-22.8	DN150	2450×1200×2250

**Note:** For capacities above **120 m<sup>3</sup>/min** or special material and temperature requirements, customized solutions are available. Data may change without prior notice.

## OUR SERVICES

### ■ LINGYU Services



**Professional efficient**



**Strive to improve customer satisfaction**



**National coverage fast response**

### ■ Service Content

- **Provide free after-sales consultation;**

**LINGYU**

- Debug, repair, and maintenance of Lingyu equipment during the warranty period;
- Survey the site of other brands outside the warranty period of Lingyu and formulate plans.

## ■ Complete Accessories

- **Refrigerated air dryer**

Fans, compressors, condensers, evaporators, dry filters, expansion valves, bypass valves, pressure gauges, various drains, etc.

- **Adsorption air Dryers**

Valves, electrical boxes, adsorbents, diffusers, silencers, solenoid valves, check valves, etc.

- **Other accessories**

Various filter elements, differential pressure gauges, etc.



## CONTACT US

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