



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

MULTIPLE ENERGY-SAVING REFRIGERATED AIR DRYER

■ Design Features

Low pressure loss

The precooling is a newly designed annular pipe structure. It has three times more pipes than a traditional precooling. 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 0.1 bar;

Low dew point

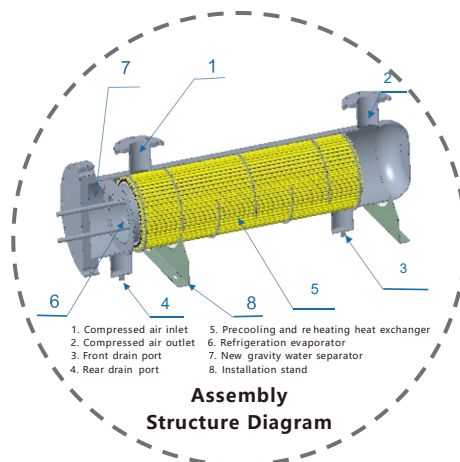
The new optimized integrated three-in-one design and unique water separation design make the dew point more secure;

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 (m ³ /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 m³/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

LINGYU

Service Content

- Provide free after-sales consultation;

- 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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