



**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 service

# WH SERIES

## WATER-COOLED REFRIGERATED AIR DRYER

### ■ Design Features

#### High stability

Core components - two units are produced independently. The compressors are mainly made of well-known brands such as Panasonic, Copeland, Danfoss, Hanbell, etc., and are also equipped with well-known brand refrigeration accessories.

#### Good processing effect

Equipped with an independent water distribution system and multiple upgrades, the water distribution efficiency is guaranteed;

#### Wide range of applicable working conditions

Using hydrophilic aluminum foil, and the entire series comes standard with heat exchangers and pre-coolers, making it more adaptable to harsh working conditions

#### Intelligent dual system design

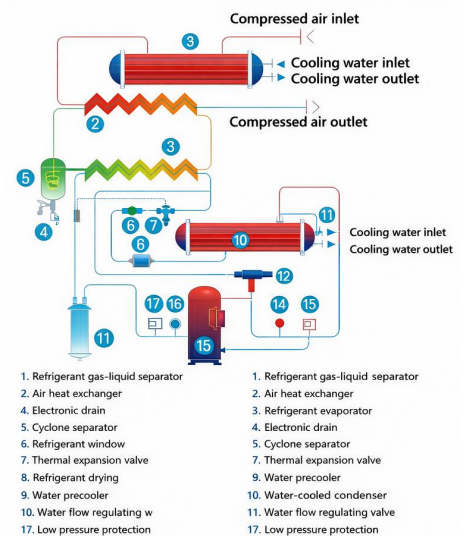
95 ~ 180 cubic meters adopts a 1 + 1 dual compressor design, matching in size, and automatically starts and stops the No. 2 compressor according to the load, which is more energy-saving and in situations where gas consumption fluctuates greatly;

#### Strong customization ability

The color can be customized, PLC is optional, dry contacts. Modbus communication, can be customized according to customer needs.



Process flow chart of water-cooled high temperature freezing dryer



### ■ Operating conditions and technical requirements

**Rated air inlet pressure:** 0.7MPa (0.6MPa ~ 1.0MPa is allowed to use, other working pressures are customized)

**Rated intake air temperature:** 50℃ (limit intake air temperature ≤ 80℃)

**Pressure dew point:** 2-10 ℃

**Rated ambient temperature:** 32 ℃ (2 ℃ ~ 45 ℃ allowed)

**Pressure loss:** ≤ 0.02MPa

**Cooling mode:** water cooling

**Cooling water pressure:** 0.2-0.4 MPa

**Cooling water temperature:** ≤ 30 ℃ (2 ℃ ~ 38 ℃ is allowed)

**Refrigerant:** R22 (R407, R134a and other environmentally friendly refrigerant are customized)

### ■ Technical Parameters

|           |                   |                 |            |             | AH SERIES AIR-COOLED |                   |                 |               |  |
|-----------|-------------------|-----------------|------------|-------------|----------------------|-------------------|-----------------|---------------|--|
| Model     | Capacity (m3/min) | Voltage (V/ Hz) | Power (kW) | "Water flow | Model                | Capacity (m3/min) | Voltage (V/ Hz) | Power (kW)    |  |
| LY-D75WH  | 10.5              | 220/50          | 1.8        | 5           | G1"                  | G2"               | 160             | 710*440*680   |  |
| LY-D100WH | 13.5              | 380/50          | 2.6        | 6           | G1"                  | G2-1/2"           | 225             | 1300*650*1350 |  |
| LY-D120WH | 17                | 380/50          | 2.6        | 6.5         | G1"                  | G2-1/2"           | 235             | 1300*650*1350 |  |
| LY-D150WH | 21.5              | 380/50          | 4.6        | 7.5         | G1"                  | G3"               | 295             | 1510*700*1450 |  |

|            |      |        |      |      |         |       |      |                |
|------------|------|--------|------|------|---------|-------|------|----------------|
| LY-D180WH  | 25   | 380/50 | 4.6  | 9    | G1"     | G3"   | 345  | 1510*700*1450  |
| LY-D200WH  | 28.5 | 380/50 | 4.6  | 10.5 | G1"     | DN80  | 430  | 1605*850*1550  |
| LY-D250WH  | 32   | 380/50 | 5.4  | 11   | G1-1/2" | DN80  | 450  | 1605*850*1550  |
| LY-D300WH  | 37   | 380/50 | 6.9  | 12   | G1-1/2" | DN100 | 550  | 1750*850*1700  |
| LY-D350WH  | 41.5 | 380/50 | 6.9  | 12.5 | G1-1/2" | DN100 | 600  | 1750*850*1700  |
| LY-D400WH  | 45   | 380/50 | 9.2  | 14.5 | G1-1/2" | DN100 | 630  | 1850*950*1830  |
| LY-D450WH  | 50   | 380/50 | 9.2  | 15   | G1-1/2" | DN100 | 680  | 1650*950*2020  |
| LY-D500WH  | 55   | 380/50 | 10.3 | 17.6 | G2"     | DN125 | 780  | 1650*950*2020  |
| LY-D550WH  | 60   | 380/50 | 10.3 | 18.5 | G2"     | DN125 | 830  | 1595*1300*2250 |
| LY-D600WH  | 65   | 380/50 | 10.3 | 21   | G2"     | DN125 | 1050 | 1595*1300*2250 |
| LY-D700WH  | 75   | 380/50 | 11.6 | 23   | G2"     | DN125 | 1200 | 1625*1395*2180 |
| LY-D800WH  | 85   | 380/50 | 13.8 | 27   | G2"     | DN125 | 1500 | 1625*1390*2280 |
| LY-D900WH  | 95   | 380/50 | 15.5 | 29   | G2"     | DN150 | 1600 | 1900*1500*2450 |
| LY-D1100WH | 110  | 380/50 | 17   | 33   | G2"     | DN150 | 1700 | 1980*1650*2450 |
| LY-D1200WH | 120  | 380/50 | 19.2 | 35.5 | G2"     | DN150 | 1800 | 1980*1650*2450 |
| LY-D1400WH | 140  | 380/50 | 20.4 | 40   | G2"     | DN200 | 1950 | 2080*1750*2580 |
| LY-D1600WH | 160  | 380/50 | 23.9 | 47   | G2-1/2" | DN200 | 2100 | 2123*1750*2650 |

**Note:** If the air volume is greater than **160m<sup>3</sup>/min** or special specifications, materials, or temperature requirements are required, please contact our company or dealer for technical information. The above data is for reference only and is subject to change without prior notice. For other specifications, please contact our company directly.

## OUR SERVICES

### ■ LINGYU Services



**Professional  
efficient**



**Strive to improve  
customer satisfaction**



**National coverage  
fast response**

## ■ 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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