

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, Han bell, 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



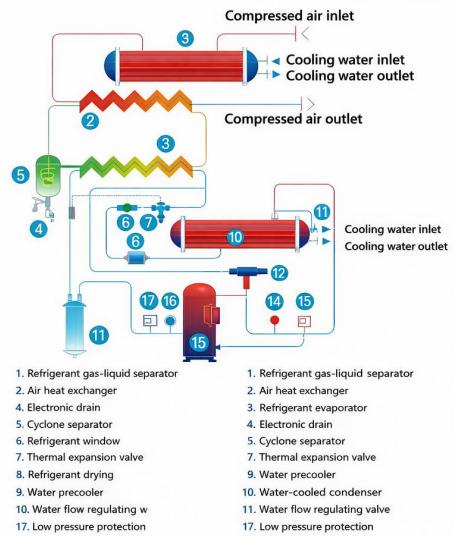
Intelligent dual system design

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°C (limit intake air temperature ≤ 80°C)

Pressure dew point: 2-10 °C

Rated ambient temperature: 32 °C (2 °C ~ 45 °C allowed)

Pressure loss: ≤ 0.02MPa

Cooling mode: water cooling

Cooling water pressure: 0.2-0.4 MPa

Cooling water temperature: ≤ 30 °C (2 °C ~ 38 °C 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 **160m³/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



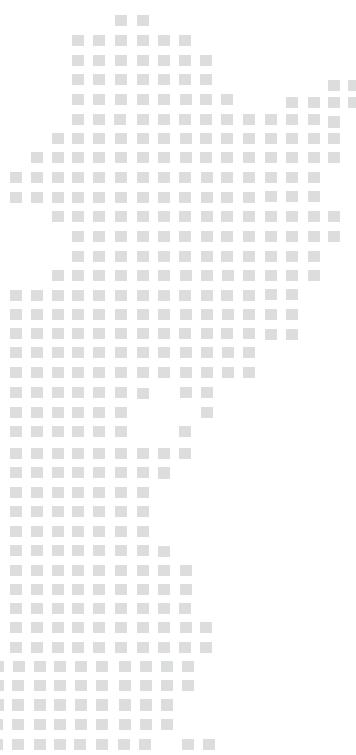
**Professional
efficient**



**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.



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