

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

CH SERIES

HEATED REGENERATION ADSORPTION AIR DRYER

■ Operating conditions

Applicable fluids: compressed air, non-corrosive air

Rated air inlet pressure: 0.7 MPa

(0.6 MPa ~ 1.0 MPa is allowed, other pressure levels can be customized)

Rated air inlet temperature: 10°C ~ 35°C

(Limit air temperature: ≤ 40°C)

Average regeneration gas consumption: 4% ~ 8%

Outlet pressure dew point: -50°C to -20°C

Adsorbent: activated alumina + high performance molecular sieve

Rated ambient temperature: 35°C (2°C ~ 45°C can be used)



■ Design Features

High-performance pneumatic valves are adopted, offering reliable performance, sensitive response, fast and dependable switching, and long service life;

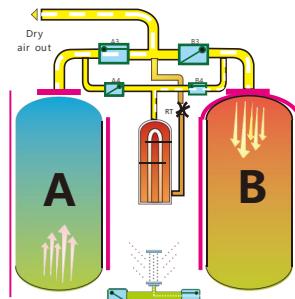
High-efficiency adsorbents are used, featuring strong adsorption capacity and excellent wear resistance, ensuring long-term stable pressure dew point without pulverization.

A fully electronic programmable controller is employed, with a Chinese-language interface that is intuitive and easy to understand, facilitating operation and maintenance.

Low operating noise is achieved through the use of silent-type check valves and high-performance mufflers, ensuring that noise is minimized throughout operation and during exhaust.

An automatic pressurization function is incorporated: before valve switching, the vessels are automatically pressurized and pressure-balanced, allowing switching only after equalization. This ensures stable vessel pressure, prevents pipeline pressure fluctuations from impacting the adsorbent, and effectively extends the service life of the adsorbent.

The heater is equipped with pressure protection to prevent dry heating, thereby enhancing heater safety and extending its service life.



■ Technical Parameters

Model	Capacity (m³/min)	Voltage (V/Hz)	Power (kW)	Inlet/Outlet	Weight (kg)	HEATEED CH SERIES
						Dimensions (mm)
LY-CH10HX	1.5	380/50	0.9	G1"	95	670×580×1695
LY-CH20HX	2.5	380/50	1.7	G1"	125	730×630×1805
LY-CH30HX	3.8	380/50	1.7	G1½"	180	840×570×1690
LY-CH50HX	6.5	380/50	2.5	G1½"	315	1020×610×1710
LY-CH75HX	10.5	380/50	3.7	G2"	448	1160×680×1900
LY-CH100HX	13.5	380/50	3.7	G2"	540	1160×680×2200
LY-CH120HX	17	380/50	3.7	DN65	610	1195×720×2175
LY-CH150HX	21.5	380/50	6.1	DN80	740	1280×980×2310
LY-CH180HX	25	380/50	10	DN80	850	1350×930×2450
LY-CH200HX	28.5	380/50	10	DN80	1040	1460×1060×2320

LY-CH250HX	32	380/50	10	DN80	1150	1460×1060×2510
LY-CH300HX	37	380/50	10	DN100	1280	1580×1080×2460
LY-CH350HX	41.5	380/50	13.1	DN100	1390	1700×1060×2730
LY-CH400HX	45	380/50	13.1	DN100	1460	1765×1160×2550
LY-CH450HX	50	380/50	13.1	DN100	1590	1765×1160×2750
LY-CH500HX	55	380/50	13.1	DN100	1700	1825×1150×2690
LY-CH550HX	60	380/50	20.1	DN100	1830	1825×1150×2790
LY-CH600HX	65	380/50	20.1	DN125	2050	2040×1240×2820
LY-CH650HX	70	380/50	20.1	DN125	2270	2040×1240×2920
LY-CH700HX	75	380/50	20.1	DN125	2380	2136×1240×2930
LY-CH800HX	85	380/50	27.1	DN125	2650	2210×1350×2970
LY-CH900HX	95	380/50	27.1	DN150	2950	2330×1430×3250
LY-CH1100HX	110	380/50	34.1	DN150	3200	2450×1430×2980
LY-CH1300HX	130	380/50	42.1	DN150	4700	2610×1580×3060
LY-CH1500HX	150	380/50	50.1	DN200	5300	2900×1400×3211

Note: If the air flow exceeds 150 m³/min or if special specifications, materials, or temperature requirements are needed, please contact our company or agents for technical consultation. The above data is for reference only and may change without notice. For other specifications, please contact us directly.



HH SERIES

HEATED REGENERATION ADSORPTION AIR DRYER

■ Operating conditions

Applicable fluids: compressed air, non-corrosive air

Rated air inlet pressure: 0.7 MPa

(0.6 MPa ~ 1.0 MPa is allowed, other pressure levels can be

customized) **Rated air inlet temperature:** 10°C ~ 35°C

(Limit air temperature: ≤ 40°C)

Average regeneration gas consumption: 4% ~ 8%

Outlet pressure dew point: ≤ -40°C

Adsorbent: activated alumina + high performance molecular sieve

Rated ambient temperature: 35°C (2°C ~ 45°C can be used)

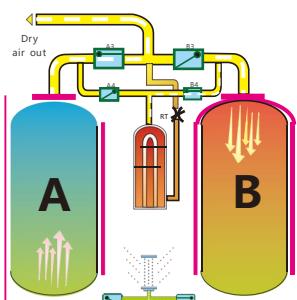


■ Design Features

High-performance pneumatic valves are adopted, offering reliable performance, sensitive response, fast and dependable switching, and long service life;

High-efficiency adsorbents are used, featuring strong adsorption capacity and excellent wear resistance, ensuring long-term stable pressure dew point without pulverization.

A fully electronic programmable controller is employed, with a Chinese-language interface that is intuitive and easy to understand, facilitating operation and maintenance.



Low operating noise is achieved through the use of silent-type check valves and high-performance mufflers, ensuring that noise is minimized throughout operation and during exhaust.

An automatic pressurization function is incorporated: before valve switching, the vessels are automatically pressurized and pressure-balanced, allowing switching only after equalization. This ensures stable vessel pressure, prevents pipeline pressure fluctuations from impacting the adsorbent, and effectively extends the service life of the adsorbent.

The heater is equipped with pressure protection to prevent dry heating, thereby enhancing heater safety and extending its service life.

■ Technical Parameters

Model	Capacity (m ³ /min)	Voltage (V/Hz)	Power (kW)	Inlet/Outlet	Weight (kg)	HEATLEED HH SERIES
						Dimensions (mm)
LY-HH10HX	1.5	380/50	1.7	G1"	125	725×630×1795
LY-HH20HX	2.5	380/50	1.7	G1"	180	840×570×1695
LY-HH30HX	3.8	380/50	2.5	G1½"	310	1020×610×1690
LY-HH50HX	6.5	380/50	3.7	G1½"	436	1160×680×1860
LY-HH75HX	10.5	380/50	3.7	G2"	610	1200×720×2180
LY-HH100HX	13.5	380/50	6.1	G2"	720	1260×780×2230
LY-HH120HX	17	380/50	10	DN65	850	1350×930×2440
LY-HH150HX	21.5	380/50	10	DN80	1000	1470×1000×2270
LY-HH180HX	25	380/50	10	DN80	1100	1460×1000×2470
LY-HH200HX	28.5	380/50	10	DN80	1280	1560×1070×2450
LY-HH250HX	32	380/50	13.1	DN80	1350	1600×1050×2650
LY-HH300HX	37	380/50	13.1	DN100	1550	1700×1100×2680
LY-HH350HX	41.5	380/50	13.1	DN100	1700	1830×1150×2700
LY-HH400HX	45	380/50	20.1	DN100	1830	1830×1150×2790
LY-HH450HX	50	380/50	20.1	DN100	2000	2040×1240×2780
LY-HH500HX	55	380/50	20.1	DN100	2170	2040×1240×2875
LY-HH550HX	60	380/50	27.1	DN100	2460	2130×1300×2790
LY-HH600HX	65	380/50	27.1	DN125	2650	2210×1340×2970
LY-HH700HX	75	380/50	27.1	DN125	3100	2350×1380×2920
LY-HH800HX	85	380/50	34.1	DN125	3200	2350×1380×2920
LY-HH900HX	95	380/50	34.1	DN150	4000	2446×1430×3170
LY-HH1100HX	110	380/50	42.1	DN150	4700	2610×1580×3060
LY-HH1300HX	130	380/50	50.1	DN150	5140	2900×1400×3079

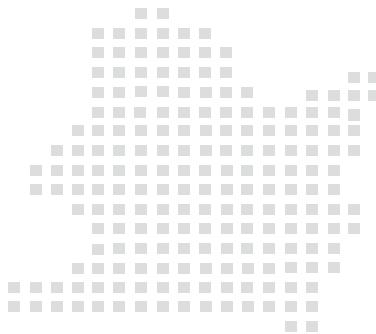
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OUR SERVICES

■ 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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