

HOPE DEEPBLUE

Lithium Bromide Absorption Chiller



ENERGY EFFICIENCY





Features

- Multiple anti-freezing system - Prevents copper tubes in the evaporator from freezing.
- Auto purge system - Pumps out non-condensable gases to ensure high vacuum and prevents corrosion caused by presence of oxygen in the system. This prolonged chiller service life and optimal operating status is maintained.
- Self-purging multiply-guided drip-spray device - Prevents absorber sprayer blockage and minimize refrigeration capacity deterioration
- Chiller unit is shipped tested and complete with all components assembled, which simplifies on-site installation and commissioning.
- Artificial Intelligence (AI) control system V3.0 - Prevent crystallization/Solution concentration/Cooling water temperature limits/ Protection functions and etc.
- Solution pump is controlled by variable frequency drive - The unit adjust its condition according to refrigeration capacity. This technology improve the operation efficiency and reduce energy consumption

Types of waste heat to operate LiBr Absorption chiller

- Steam powered
- Hot water powered
- Direct fired (Fuel: Natural gas or Light oil)
- Flue gas powered / Flue gas and hot water / Flue gas, hot water and direct fired

Certificates

- Quality management system certificate **ISO 9001**
- Environmental management system certificate **ISO14001**
- Certificate of Conformity

Our customers



India APL Power Plant



Fujian petrochemical industrial



Zhejiang Jiangnan Mall



Henan Shuanghui Food



Chengdu Hongpailou Plaza



Iran Zarand Steel



Model no: RZX	Specification	Range	
Hot water powered	Cooling capacity (USRt)	66 ~ 1984	
	Hot water temperature (inlet and outlet)	95°C → 85°C	
	Hot water flow rate (m³/h)	25 ~ 750	
	Chilled water temperature (inlet and outlet)	12°C → 7°C	
	Cooling water temperature (inlet and outlet)	30°C → 36°C	
	Electrical data	Power consumption (kW)	2.8 ~ 16.9
		Power supply	3 phase/380V/50 Hz
	Dimension	Length (L)	3420mm ~ 8830mm
		Width (W)	1360mm ~ 3450mm
Height (H)		2210mm ~ 4180mm	
Operating weight (t)		4.2 ~ 67	



Model no: SXZ	Specification	Range	
Steam type	Cooling capacity (USRt)	66 ~ 1984	
	Steam pressure (MPa)	0.4 0.6 0.8	
	Steam consumption (kg/h)	260 ~ 8040	
	Chilled water temperature (inlet and outlet)	12°C → 7°C	
	Cooling water temperature (inlet and outlet)	30°C → 36°C	
	Electrical data	Power consumption (kW)	2.8 ~ 13.2
		Power supply	3 phase/380V/50 Hz
	Dimension	Length (L)	2900mm ~ 9160mm
		Width (W)	1352mm ~ 3590mm
Height (H)		1960mm ~ 3690mm	
Operating weight (t)		3.6 ~ 68.8	



Model no: ZX	Specification	Range	
Direct-fired type	Cooling capacity (USRt)	66 ~ 1984	
	Natural gas consumption (Nm³/h)	14.7 ~ 441.2	
	Light oil (kg/h)	14.1 ~ 424.2	
	Chilled water temperature (inlet and outlet)	12°C → 7°C	
	Cooling water temperature (inlet and outlet)	30°C → 36°C	
	Electrical data	Power consumption (kW)	3.2 ~ 34.9
		Power supply	3 phase/380V/50 Hz
	Dimension	Length (L)	2900mm ~ 9610mm
		Width (W)	1680mm ~ 4470mm
Height (H)		1960mm ~ 3690mm	
Operating weight (t)		3.7 ~ 69.5	



Model no: YX	Specification	Range	
Flue gas type /Flue gas + hot water type /Flue gas + hot water + Fuel type	Cooling capacity (USRt)	165 ~ 1984	
	Flue gas temperature (inlet and outlet)	500°C → 170°C	
	Flue gas consumption (Nm³/h)	3188 ~ 38250	
	Chilled water temperature (inlet and outlet)	12°C → 7°C	
	Cooling water temperature (inlet and outlet)	30°C → 36°C	
	Electrical data	Power consumption (kW)	2.8 ~ 13.2
		Power supply	3 phase/380V/50 Hz
	Dimension	Length (L)	2980mm ~ 9610mm
		Width (W)	1960mm ~ 4530mm
Height (H)		2100mm ~ 3745mm	
Operating weight (t)		9.2 ~ 70.6	

CONTINENTAL HOPE GROUP (CHG), is a high-tech dynamic corporation, headquartered in Sichuan Chengdu China, operating multi-businesses grouped under 4 divisions: Mechatronics, Energy & Chemicals, Hotel/Tourism/Real-Estate Development and Construction. Our products and services covers various segments including Variable Speed Drives, HVAC, Chemicals, Hotels, Construction (General Contracting), and Real Estate Development. The Regional sales office established in Singapore was a move to reach out closer to our neighbouring customers in tandem with our continual efforts to strive for regional growth and support.

Hope Deepblue Air-conditioner Manufacture Corp., Ltd. was established in 1997. It is affiliated to Hope Group, which since inception have developed into an ultra-conglomerate after over twenty years of hard work, with its annual sales revenue approaching RMB 100 billion. Hope Deepblue was founded with an investment of RMB 160 million. It is located in the Western High-tech Park in Chengdu, a national key high-tech development zone, and occupies an area of about 110000m². As a national key high-tech enterprise and the largest central air conditioner manufacturer in West China, Hope Deepblue is engaged in R&D production and sale of products in HVAC&R, and offers all kinds of air conditioners and systematic solutions according to user's different demand.

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