

Compressed Heat Desiccant Dryers

H-HX/LX Series



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The Hankison H-HX/H-LX Series Compressed Heat Desiccant Dryers

H-HX/LX Series utilize the heat of the high-temperature discharge air from the air compressor to regenerate and reactivate the saturated desiccant, without consuming electrical energy for heating. After regeneration, a portion of dry air may optionally be used to purge-cool the desiccant to further enhance its drying capability.

The H-HX/H-LX Series compressed heat desiccant dryers must be used exclusively with oil-free compressors. If oil-contaminated high-temperature compressed air is used for desiccant regeneration, the desiccant inside the dryer will be contaminated and rendered ineffective, impairing dryer performance. In addition, due to the elevated temperatures during regeneration, prolonged oil accumulation also poses a safety hazard.



Specifications

Low-Temperature Type

- Working Pressure Range: 0.7–1.0 MPa
- Regeneration Air Consumption: 3% (Zero Purge Option: 0%)
- Pressure Dew Point: -40°C
- Inlet Air Temperature: ≥120°C
- Siemens PLC
- TD-400 Text Display
- Local/Remote Control
- Stainless Steel Pneumatic Control Piping

High-Temperature Type

- Working Pressure Range: 0.7–1.0 MPa
- Regeneration Air Consumption: 3% (Zero Purge Option: 0%)
- Pressure Dew Point: -40°C
- Inlet Air Temperature: ≥180°C
- Siemens PLC
- TD-400 Text Display
- Local/Remote Control
- Stainless Steel Pneumatic Control Piping

Model	Flow Rate	Total Installed Power kW	Max. Cooling Water Flow Rate t/h	Air Connection Size mm	Dimensions (mm)			Weight kg
	m³/min				L	W	H	
H-HX Series Compressed Heat Desiccant Dryers (High-Temperature)								
H20HX	19	0.2	14.5	DN65	1800	1250	2600	1800
H22HX	23	0.2	15.9	DN65	1800	1250	2600	1980
H25HX	26	0.2	18.1	DN65	1800	1250	2600	2250
H35HX	35	0.2	25.3	DN80	2000	1500	2750	3150
H45HX	45	0.2	32.5	DN100	2400	1700	2800	4050
H50HX	52.9	0.2	38.3	DN100	2400	1700	2800	4680
H60HX	62.0	0.2	44.8	DN125	2600	1900	2850	5580
H70HX	69.0	0.2	50.6	DN125	3000	1900	2950	6300
H75HX	76.9	0.2	55.6	DN125	3000	1900	2950	6900
H85HX	84.1	0.2	61.5	DN150	3000	2200	3150	7500
H-LX Series Compressed Heat Desiccant Dryers (Low-Temperature)								
H120LX	120	51.2	54	DN150	3700	2800	3000	9000
H150LX	150	69.2	68	DN150	4000	2650	3150	10800
H180LX	180	84.2	81	DN200	4450	2940	3450	13200
H200LX	200	93.2	90	DN200	4450	2940	3450	14700
H250LX	250	96.2	112	DN250	4800	3400	3700	18300
H300LX	300	138.2	135	DN250	5300	3600	4300	21900
H350LX	350	160.2	160	DN250	5600	3600	4400	22900
H400LX	400	185.2	180	DN300	5900	4070	4650	23900
H-HX ZP Series Compressed Heat Desiccant Dryers (High-Temperature)								
H20HX ZP	19.4	0.2	18.2	DN65	1900	1700	2600	1900
H22HX ZP	23	0.2	20	DN65	1900	1700	2600	2080
H25HX ZP	26	0.2	22.7	DN65	1900	1700	2600	2350
H35HX ZP	35	0.2	32.5	DN80	2150	1900	2750	3260
H45HX ZP	45	0.2	40.8	DN100	2950	2470	2850	4170
H50HX ZP	52.9	0.2	48	DN100	2950	2470	2850	4800
H60HX ZP	62.0	0.2	56.3	DN125	3000	2470	2850	5710
H70HX ZP	69.0	0.2	63.5	DN125	3200	2650	2900	6520
H75HX ZP	76.9	0.2	69.8	DN125	3200	2650	2900	7130
H85HX ZP	84.1	0.2	77.1	DN150	3900	2200	3000	7760
H-LX ZP Series Compressed Heat Desiccant Dryers (Low-Temperature)								
H120LX ZP	120	66.2	86.8	DN150	4700	2900	3250	9920
H150LX ZP	150	90.2	95.2	DN200	5200	3200	3400	12400
H180LX ZP	180	120.2	114.2	DN200	5300	3300	3400	14880
H200LX ZP	200	132.2	127	DN200	5500	3400	3400	16430
H250LX ZP	250	165.2	159	DN250	6200	3600	4000	21080
H300LX ZP	300	180.2	190	DN250	6550	3600	4400	23800
H350LX ZP	350	210.2	222	DN250	6750	3700	4400	24900
H400LX ZP	400	240.2	254	DN300	7050	4170	4700	25900

Note: Outline dimensions and air inlet/outlet pipe sizes for all dryer products are subject to the final dimensional drawing.



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