Catalogue for Air Dryer

HIGH (NORMAL) INLET TEMPERATURE AIR-COOLING REFRIGERATED AIR DRYER

Product Description:

The front air-cooling pre-cooler and the condenser in the cooling system use the forced ventilation system for cooling, the advantages for air cooling system: Easy to install and maintain, little early investment, low operation cost, suitable for the conditions with comfortable environment temperature and good ventilation, especially suitable for the areas free of water or short of water resources. The machine use a high quality fan motor, mostly applied to the low load and movable situations, which are largely influenced by the environment temperature.

Working condition and technical data:

- Inlet temperature: ≤ 80C
- Cooling method: Air cooling
- Inlet pressure: 0.4~1.3Mpa
- Pressure drop: ≤ 0.03Mpa
- Dew point: 2~10C
- Refrigerant: R22/R134A/R407c

Model	Capacity	Voltage	Refrigerated power	Fan power	Pipe connection diameter	Dimension(mm)			Weight
	Nm 3 /min	V/Hz	HP/KW	W		L	W	H	Kg
ELH-10HA	1.2	220/50	1/0.85	90	ZG1	630	450	640	50
ELH-15HA	2.4	220/50	1/0.85	90	ZG1	700	450	830	80
ELH-30HA	3.8	220/50	1.25/1.25	140	ZG1 1/2	850	500	920	105
ELH-50HA	6.5	220/50	1.5/1.5	180	ZG1 1/2	880	550	1020	150
ELH-60HA	8.5	220/50	2.5/1.8	180	ZG1 1/2	880	550	1020	160
ELH-75HA	10.7	380/50	3/2.5	2X140	ZG2	1180	670	1080	240
ELH-100HA	13.5	380/50	3/2.5	2X140	ZG2	1180	670	1080	260
ELH-120HA	18	380/50	3.6/3	2X140	DN65	1360	710	1220	310
ELH-150(H)A	23	380/50	5.0/4.0	2X140	DN80	1360	710	1220	400
ELH-200(H)A	28	380/50	6.0/4.5	2X140	DN80	1650	750	1290	450
ELH-250(H)A	33	380/50	7.5/6.5	6(3)X180	DN100	1840	850	1620	780
ELH-400(H)A	45	380/50	10.5/8.8	6(3)X180	DN125	2000	950	1740	820
ELH-500(H)A	55	380/50	12/10.2	6(3)X180	DN125	2200	1050	1910	900
ELH-600(H)A	65	380/50	15/13	6(3)X180	DN125	2550	1100	1940	1100

EXTERNALLY HEATED PURGE DESICCANT COMPRESS AIR DRYER

Product Description:

According to the principal of PSA and TSA, the moisture in the air will be adsorbed and compressed with the special appetency of the sorbent on the steam. The machine is of two-tower structure. Under the control of PLC, the two towers will run alternately. One tower adsorb the moisture under high pressure and another tower complete the desorption of steam with the dry air produced by itself under low pressure and high temperature, thus keeping running circularly. The air consumption of the machine is lower than the heatless regenerative dryer, but some electric power should be consumed to heat the regenerated air.

Working condition and technical data:

- Purge air: ≤ 4~6%
- Working pressure: 0.4~1.0Mpa
- Inlet oil content: ≤ 0.01ppm
- Outlet air pressure dew point: -20 ~ -70C
- Desiccant: Activated aluminum or Molecular siere
- Working periods: 60 ~ 180minutes
- Inlet temperature: 0~45C

Model	Capacity	Heater power	Pipe connection diameter	Dimension(mm)			Weight
	Nm 3 /min	KW		L	W	H	Kg
ELAD-1MXF	1.2	1	ZG1	800	480	1420	150
ELAD-2MXF	2.4	1	ZG1	800	480	1520	210
ELAD-3MXF	3.8	2	ZG1.5	1000	525	1900	340
ELAD-6MXF	6.5	2	ZG1.5	1200	550	1950	440
ELAD-8MXF	8.5	2	ZG1.5	1400	600	2000	550
ELAD-10MXF	10.7	3	ZG2	1400	600	2090	760
ELAD-13MXF	13.5	3	ZG2	1400	600	2140	800
ELAD-18MXF	18	3	DN65	1400	650	2200	860
ELAD-20MXF	25	4	DN80	1670	725	2435	1250
ELAD-30MXF	35	4	DN100	1670	725	2566	1820
ELAD-40MXF	45	6	DN125	1750	775	2700	2260
ELAD-50MXF	55	6	DN125	1800	775	2755	2660
ELAD-60MXF	65	8	DN125	1900	800	3070	3180
ELAD-80MXF	85	8	DN150	2620	1120	3073	4200
ELAD-100MXF	110	10	DN150	3100	1650	3200	5300
ELAD-160MXF	160	15	DN200	3240	1770	3190	6100

NORMAL INLET TEMPERATURE WATER-COOLING REFRIGERATED AIR DRYER

Product Description:

The condenser in the cooling system use the cooling method with chilled water, mainly used in the situations with good water supply conditions, high inlet temperature and large air processing amount. As it is lightly influence influenced by the environment temperature, the dew point of air at the outlet is stable, mainly suitable for the users requiring stable dew point of air and high environment temperature.

Working condition and technical data:

- Inlet temperature: ≤ 45C
- Cooling method: Water cooling
- Inlet pressure: 0.4~1.3Mpa
- Pressure drop: ≤ 0.02Mpa
- Dew point: 2~10C
- Cooling water inlet temperature: ≤ 32C
- Refrigerant: R22/R134A/R407c
- Cooling water inlet pressure: 0.2~0.4Mpa

Model	Capacity	Voltage	Refrigerated power	Cooling water volume	Cooling water pipe	Pipe connection	Dimension (mm)			Weight
	Nm 3 /min	V/Hz	HP/KW	m 3 / H	connection diamete	diameter	L	W	H	Kg
ELH-150W	23	380/50	5/4.0	3.6	ZG1.5	DN80	1360	710	1220	400
ELH-200W	28	380/50	5/4.0	3.6	ZG1.5	DN80	1360	710	1220	400
ELH-250W	33	380/50	7.5/6.1	5	ZG1.5	DN100	1650	950	1590	820
ELH-300W	36	380/50	7.5/6.1	5	ZG1.5	DN100	1650	950	1590	820
ELH-400W	45	380/50	10.5/8.0	7	ZG1.5	DN125	1850	850	1630	930
ELH-500W	55	380/50	12/9.0	9	ZG2	DN125	2100	920	1645	1100
ELH-600W	65	380/50	15/11.3	10	ZG2	DN125	2150	900	1730	1210
ELH-800W	85	380/50	20/16	14	ZG2	DN150	2420	1340	1900	1500
ELH-1100W	110	380/50	25/19	18	ZG2	DN150	2750	1350	2004	2100

HIGH INLET TEMPERATURE WATER-COOLING REFRIGERATED AIR DRYER

Product Description:

The front air cooling pre-cooler and the condenser in the cooling system use cooling method with chilled water, mainly used to the situation with good water supply conditions, high inlet temperature and large air processing amount. As it is lightly influenced by the environment temperature, the dew point of air at the outlet is stable. The heat exchange tube is of high efficiency finned tube. The chilled water flows through the tube side. The scale produced with the time can be easily removed. The 5reon flows through the shell side, which keeps the efficiency of condenser in good condition.

Working condition and technical data:

- Inlet temperature: ≤80℃
- Cooling method: Water cooling
- Inlet pressure: 0.4~1.3Mpa
- Pressure drop: ≤0.03Mpa
- Dew point: 2~10℃
- Cooling water inlet temperature: ≤32℃
- Refrigerant: R22/R134a/R407c
- Cooling water inlet pressure: 0.2~0.4Mpa

Model	Capacity	Voltage	Refrigerated power	Cooling water volume	Cooling water pipe connection diameter	Pipe connection diameter	Dimension(mm)			Weight
	Nm 3 /min	V/Hz	HP/KW	m 3 / H			L	W	H	Kg
ELH-150W	23	380/50	5/4.0	3.6	ZG1.5	DN80	1360	710	1220	400
ELH-200W	28	380/50	5/4.0	3.6	ZG1.5	DN80	1360	710	1220	400
ELH-250W	33	380/50	7.5/6.1	5	ZG1.5	DN100	1650	950	1590	820
ELH-300W	36	380/50	7.5/6.1	5	ZG1.5	DN100	1650	950	1590	820
ELH-400W	45	380/50	10.5/8.0	7	ZG1.5	DN125	1850	850	1630	930
ELH-500W	55	380/50	12/9.0	9	ZG2	DN125	2100	920	1645	1100
ELH-600W	65	380/50	15/11.3	10	ZG2	DN125	2150	900	1730	1210
ELH-800W	85	380/50	20/16	14	ZG2	DN150	2420	1340	1900	1500
ELH-1100W	110	380/50	25/19	18	ZG2	DN150	2750	1350	2004	2100

HEATLESS PURGE DESICCANT COMPRESS AIR DRYER

Product Description:

According to the principal of PSA, the moisture in the air will be adsorbed and compressed with the special appetency of the sorbent on the steam. The machine is of two-tower structure. Under the control of PLC, the two towers will run alternately. One tower adsorb the moisture under high pressure and another tower complete the desorption of steam with the dry air produced by itself, thus keeping running circularly. Although the machine will consume some air, the comprehensive energy consumption are largely lower than the heat sourced regenerative dryer based on variable temperature adsorption, so it is a widely used air compressing and drying machine at present.

Working condition and technical data:

- Purge air: ≤ 12~15%
- Working pressure: 0.6~1.0Mpa
- Inlet oil content: ≤ 0.01ppm
- Outlet air pressure dew point: -20 ~ -40C
- Desiccant: Activated aluminum or Molecular siere
- Working periods: 4 ~ 20minutes
- Inlet temperature: 0~45C

Model	Capacity Nm 3 /min	Pipe connection diameter	Dimension			Weight
			L	W	H	Kg
ELAD-3WXF	3.8	ZG1.5	1000	450	1900	300
ELAD-6WXF	6.5	ZG1.5	1200	500	1950	400
ELAD-8WXF	8.5	ZG1.5	1400	600	2000	510
ELAD-10WXF	10.7	ZG2	1400	600	2090	700
ELAD-13WXF	13.5	ZG2	1400	600	2140	740
ELAD-18WXF	18	DN65	1400	600	2200	780
ELAD-25WXF	25	DN80	1670	650	2435	1180
ELAD-35WXF	35	DN100	1670	650	2566	1760
ELAD-45WXF	45	DN125	1750	750	2700	2200
ELAD-55WXF	55	DN125	1800	750	2755	2600
ELAD-65WXF	65	DN125	1900	700	3070	3100
ELAD-85WXF	85	DN150	2620	1120	3070	4100
ELAD-110WXF	110	DN150	3100	1650	3200	5200
ELAD-160WXF	160	DN200	3240	1770	3190	6000
Voltage V/ HZ /PH : 380/50/3 220/60/3 440/50/3 etc or Two kinds of voltage reverse According to customer inquiry						

LOW DEW POINT COMPRESS AIR DRYER

Product Description:

The drying flow of the combined low dew point air compressing dryer is different from the current cool dryer. Absorption dryer and the series type and absorption dryer. Therefore, it can get lower dew point with less energy consumption, which has very high technical performance and spreading value. The integrated structure of two machines is compact and easy to install and use. It has good drying effect and low dew point. It consumes less air and save the energy. The lift of the dryer can be prolonged by more than three times to save the maintenance fee. It uses the advanced SCM control technique to realize the automation of operation and control. The pipelines are designed reasonably to make it easy to maintain.

The regeneration is divided into electric micro heating and natural heating. The process is divided into generation and pressure balancing, to maintain stable low dew point. The air emission device is used to distribute the air flow in the tower uniformly and avoid the channeling phenomenon.

Working condition and technical data:

- Inlet pressure: 0.6~1.0Mpa
- Outlet air pressure dew point: -40 ~ -70C
- Cooling water temperature: ≤ 32C
- Inlet temperature: ≤ 45C
- Purge air: ≤ 3~5%
- Pressure drop: ≤ 0.08Mpa

Model	Capacity	Cooling water volume	Pipe connection diameter	Dimension(mm)			Weight
	Nm 3 /min	T/H		L	W	G	Kg
ELAD-1MZ	1.2		ZG1	1020	710	1380	350
ELAD-2MZ	2.4		ZG1	1020	710	1480	450
ELAD-3MZ	3.8		ZG1 1/2	1100	980	1810	500
ELAD-6MZ	6.5		ZG1 1/2	1400	1050	1950	710
ELAD-13MZ	13.5	2.0	ZG2	1570	1380	2140	1200
ELAD-20MZ	18	3.0	DN65	1600	1420	2145	1300
ELAD-25MZ	25	3.6	DN80	1750	1400	2410	1800
ELAD-30MZ	35	5.0	DN100	2100	1680	2600	2700
ELAD-40MZ	45	7.0	DN125	2290	1800	2710	3300
ELAD-50MZ	55	9.0	DN125	2430	1950	2755	3400
ELAD-60MZ	65	10.0	DN125	2490	2180	3070	3800
ELAD-80MZ	85	14.0	DN150	3500	2950	3200	3800
ELAD-100MZ	110	18.0	DN150	3650	2985	3246	4600