

ED-refrigeration dryer series



Advantages of Airplus refrigeration dryers :

- Low dew points : Under standard working conditions, pressure dew points can be below 5°C and outlet dew points at normal pressure can be below -20°C.
- Highly efficient and professional air-liquid separator : Collision separation + low speed centrifugal separation + stainless wire-mesh demister separator; 99.9% of the liquid contents are separated from cooled compressed air to prevent the liquid water from twice evaporation and guarantee low dew point of finished products.
- High quality hot-air bypass valve : automatically balance pressures on high and low pressure sides, reduce compressor's load and electricity consumption.
Stable evaporating pressure ensures normal operations of the machine at low environmental temperature.
- Perfect intelligent protection device : Special voltage protection for refrigerant, phase-sequence and open-phase protections, low-temperature protections, automatic defrosting, automatic failure shutdown, automatic alarm and overheat protection for motor.
- High quality refrigeration parts : All of the components are manufactured by international brands, such as Panasonic refrigerant compressor, Danfoss and Emerson expansion valves, Airmender oil-air separator, Saginomiya pressure controller and so on.
- Strict production test : Every machine is required to take 36hour pressure holding test to guarantee that all the products are 100% qualified.

Condenser

The condenser using copper fin has a high heat transfer coefficient to increase the degree of super cooling and refrigerating capacity.

Refrigerant compressor

International brand compressors with super high energy efficiencies and excellent reliability which guarantee the preeminent performance of refrigerant dryers.

Electric drain valve

Electric timed drainer is installed with anti-blocking device to prevent any blocking in the drainer.

Technical Data Sheet

Model		ED-10F	ED-20F/HF	ED-30F/HF	ED-50F/HF	ED-60F/HF	ED-75F/HF	ED-100F/HF	ED-125F/HF
Air processing capacity	Nm3/min	1.5	2.8	4.0	7.0	9.0	12.0	15.0	20.0
	SCFM	53	98	140	245	315	420	525	700
Electricity consumption	Kw	0.62	0.64/0.7	0.97/1.0	1.25/1.4	1.8/2.1	2.2/2.5	2.8/3.1	3.6/3.9
Nozzle size		PT1"	PT1"	PT1 1/2"	PT1 1/2"	PT2"	PT2"	PT2"	PT2"
Dimension	Length(mm)	780	800/800	900/900	1050/1050	1350/1350	1350/1350	1350/1450	1450/1450
	Width(mm)	500	535/535	535/545	650/600	690/650	805/705	800/790	810/805
	Height(mm)	760	805/1125	815/1135	865/1230	910/1310	920/1285	960/1350	1060/1450
Weight	kg	55	90/110	100/125	120/145	145/175	160/190	175/210	200/240
Power		220V/50HZ,60HZ/1PHASE						380V/50HZ/3PHASES	
Refrigerant		R-22							
Service Conditions		Air inlet temperature5-45℃, Working pressure0.4-1.0Mpa, Ambient temperature2-40℃/ Air inlet temperature5-80℃,Working pressure0.4-1.0Mpa, Ambient temperature2-40℃							
Dew Point Temperature		Pressure dew point 2-10℃							

Model		ED-150F/HF	ED-200F/HF	ED-250F/HF	ED-300F/HF	ED-350F/HF	ED-400F/HF
Air processing capacity	Nm ³ /min	25.0	30.0	35.0	40.0	50.0	60.0
	SCFM	875	1050	1225	1400	1750	2100
Electricity consumption	Kw	3.8/4.2	4.8/5.2	6.5/7	7.7/8.2	9.7/10.7	13/14.5
Nozzle size		DN65	DN80	DN80	DN100	DN100	DN100
Dimension	Length(mm)	1700/1550	1900	2000/1950	2080/1950	2200/2000	2500/2000
	Width(mm)	855/860	905/850	905/900	1005/900	1035/1000	1185/1020
	Height(mm)	1245/1535	1210/1590	1210/1660	1310/1730	1500/1800	1555/1850
Weight	kg	245/290	365/425	450/515	550/625	570/641	680/760
Power		380V/50HZ/3PHASES					
Refrigerant		R-22					
Service Conditions		Air inlet temperature5-45 °C, Working pressure0.4-1.0Mpa, Ambient temperature2-40 °C/ Air inlet temperature5-80 °C,Working pressure0.4-1.0Mpa, Ambient temperature2-40 °C					
Dew Point Temperature		Pressure dew point 2-10 °C					

Specification is subject to change without notice due to improvement for excellence