

Air-cooled refrigerant dryer

1. Stainless steel heat exchanger shell

- Rust free interior.
- Diminishes drainer corrosion and filter clogging.
- Compact design of integrated 1st and 2nd heat exchangers.

2. High efficiency

- Counter-flow design extends heat exchange time, increases efficiency and leads to lowest dew point.
- Cross stream flow delivery method has no large orifice obstructions and air pressure loss is reduced to minimum, while the most effective moisture extraction is achieved.

3. Low pressure loss

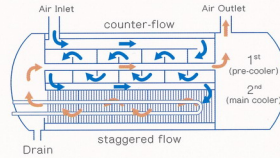
Saving energy by reducing clogging and pressure drop (under 0.2 kg/cm²).

4. Ozone-friendly refrigerant

R134a or R407C refrigerant.

5. Nickel-plated brass pipe

Anti-corrosion and long service life properties.



Air-cooled refrigerant dryer

1. Motor with extruded aluminum alloy casing + 120°C thermostat

superb heat exchange for prolong operating interval.

2. Unique air heat exchanger with brass pipe and fin design

Reduces air inlet temperature and increases outlet temperature, preventing piping condensation.

3. State of the art application of secondary condenser on the air outlet

Perfectly utilizing outlet cooled air to ensure normal operation even in harsh operational conditions.

4. Stainless oil-filled type instrumentation

Eliminate shock errors caused by vibrations during long distance or rough transportation.

5. Flange connection for evaporators in power range of 300HP and above

Easy and convenient maintenance.

6. Independent power distribution and high quality accessories

Safe operation guaranteed.

Technical Data

Type	FR005A	FR010A	FR020A	FR030A	FR050A	FR075A	FR100A	FR150A	FR005AP	FR010AP	FR020AP	FR030AP	FR050AP	FR075AP	FR100AP	
50Hz/60Hz max. capacity(m ³ /min)	0.6	1.2	2.4	4.4	7.0	11	14	23.5	0.6	1.2	2.4	4.4	7.0	11	14	
Air inlet temp.	35°C(50°C Max.)(Capacity varies with different temperature)								55°C(80°C Max.)(Capacity varies with different temperature)							
Ambient temp.	32°C(43°C Max.)(Capacity varies with different temperature)															
Dew point	Dew point 2°C~10°C at 7kg/cm ² G															
Operating pressure	7kg/cm ² G(Capacity varies with different pressure).Max. pressure:10kg/cm ² G															
Refrigerant	R134a				R407C				R134a				R407C			
Power consumption 50/60 (Kw)	0.25 / 0.3	0.4 / 0.5	0.6 / 0.7	0.8 / 0.9	1.6 / 1.7	1.6 / 1.7	2.2 / 1.7	3.4 / 4.1	0.4 / 0.5	0.6 / 0.7	0.8 / 0.9	1.6 / 1.7	1.6 / 1.7	3.8 / 2.6	3.8 / 4.1	
Power supply	Single phase 50/60Hz				3-phase 220V 50/60Hz				3-phase 220V 50/60Hz				3-phase 220V 50/60Hz			
Air piping size	G1/2"	G1/2"	G1"	G1"	G1 1/2"	G1 1/2"	G2"	G2 1/2"	G1/2"	G1"	G1"	G1 1/2"	G1 1/2"	G2"	G2 1/2"	
Dimensions (mm)	H	478	548	705	705	966	1166	1220	1260	548	709	705	966	1166	1214/1220	1260
	W	368	722	797	797	979	984	984	792	782	782	797	979	984	792/984	792
	D	490	404	415	415	531	531	696	1022	404	452	415	531	531	1022/696	1022
Net weight (kg)	22	34	42	42	70	88	105/95	180	34	44	42	70	88	175/105	180	

* G" indicates thread size in imperial unit.

Technical Data

Type	FR200A	FR250A	FR300A	FR350A	FR400A	FR500A	FR600A	FR150AP	FR200AP	FR250AP	FR300AP	
50Hz/60Hz max. capacity(m ³ /min)	29.7	35.6	44.4	54.1	61.9	73.7	82.5	22.3	29.7	35.6	44.4	
Air inlet temp.	35°C(45°C Max.)(Capacity varies with different temperature)							50°C(80°C Max.)(Capacity varies with different temperature)				
Ambient temp.	2~40°C											
Dew point	Dew point 2°C~10°C at 7kg/cm ² G											
Operating pressure	7kg/cm ² G(Capacity varies with different pressure) • Max. pressure:10kg/cm ² G (Higher pressure available upon request)											
Refrigerant	R22											
Power consumption (Kw) 50Hz/60Hz	4.8 / 5.6	5.8 / 6.8	7.9 / 9.1	9.5 / 11	9.5 / 11	11.2 / 13	12.2 / 14.2	4.5 / 5.0	5.7 / 6.5	6.7 / 7.7	8.2 / 9.4	
Power supply	3-phase 220V 50/60Hz							3-phase 380V 50/60Hz				
Air piping size	DN100	DN100	DN125	DN125	DN125	DN150	DN150	DN100	DN100	DN100	DN125	
Dimensions (mm)	H	1290	1290	1735	1735	1735	1845	1845	1290	1290	1290	1830
	W	1070	1070	1350	1350	1350	1500	1500	1070	1070	1070	1350
	D	1900	1900	2200	2200	2200	2200	2500	1900	2200	2200	2200
Net weight (kg)	600	700	1100	1230	1400	1550	1800	520	680	820	1350	

* G" indicates thread size in imperial unit. DN indicates flange size in metric unit.

* Length of air inlet/outlet valve and water drainer is not included in total dimensions.

* Ozone-friendly refrigerant is available upon request.