

Testing Report

Number: PT011-KFR18K048D

Indoor Unit Type(IN)	KFR-18K048DI	Compressor P/N	/	Rated Input Power	/
Indoor Unit Number(IN)	KFR-18K048DI	Date/Time	2011-01-03 11:06	Rated Heating Capacity	/
Outdoor Unit Type(OUT)	KFR-18K048DO	Capillary	/	Spray Nozzle	D50+D100*1
Outdoor Unit Number(OUT)	KFR-18K048DO	Test Mode	Cooling Mode	File Name:	20110103-18016.mdb
Power Phase	DC Pure	Rated Voltage/Frequency	48VDC/0		
Refrigerant Brand/Feed	R410A/1.28kg	Rated Cooling Capacity	/		

NO.	ITEM	UNIT	RUNNING PLATE 1	RUNNING PLATE 2	RUNNING PLATE 3	RUNNING PLATE 4	RUNNING PLATE 5	RUNNING PLATE 6	RUNNING PLATE 7
1	lateral inlet dry bulb temperature(DB)	°C	52.03	48.99	46.00	42.97	40.03	38.01	35.01
2	lateral inlet wet bulb temperature(WB)	°C	32.02	28.01	24.98	24.00	24.02	23.99	24.00
3	inside inlet dry bulb temperature(DB)	°C	32.00	31.98	28.97	29.03	29.00	29.01	26.98
4	inside inlet wet bulb temperature(WB)	°C	23.02	22.02	19.00	19.02	19.01	19.02	18.98
5	inside outlet dry bulb temperature(DB)	°C	17.52	16.43	15.40	13.00	12.84	12.91	12.82
6	inside outlet wet bulb temperature(WB)	°C	16.10	15.18	13.40	11.71	11.72	11.70	11.81
7	Outlet air specific volume	m ³ /kg	0.83	0.83	0.83	0.83	0.83	0.83	0.83
8	Outlet static pressure	Pa	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Nozzle differential pressure	Pa	250.87	251.16	251.74	251.41	251.08	251.37	250.84
10	Atmospheric pressure	KPa	101.33	101.33	101.33	101.33	101.33	101.33	101.33
11	Enthalpy difference	kJ/kg	21.59	21.83	20.27	20.60	20.58	20.36	20.53
12	Air volume	m ³ /h	762.2	765.01	766.34	770.78	757.79	758.33	765.70
13	Cooling (Heating)Capacity	W Btu/H	5177 17664	5137 17527	5096 17388	5332 18192	5174 17654	5119 17466	5162 17612
14	Capacity deviation	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	Voltage	V	48.00	48.50	48.90	51.00	48.00	47.60	48.00
16	Current	A	25.11	24.92	22.80	23.72	25.10	29.50	29.50
17	Input Power	W	1205.28	1208.62	1114.92	1209.72	1204.80	1404.20	1416.00
18	Frequency	Hz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	Power factor	-	-	-	-	-	-	-	-
20	Power deviation	%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	EER/COP	W/W	4.30	4.25	4.57	4.41	4.29	3.65	3.65
22	Wind speed	m/s	19.93	19.94	19.96	19.95	19.93	19.95	19.93

Running condition /Plate condition Setup enthalpy method lad in different temperature range and separate as 7 running plates; locked air conditioner on minimum, maximal, and rated working program 3 hours, record data and fill the average value in to this table.

Results:
Rated cooling capacity determination:
Depend on T1 standard condition, choose air conditioner running condition of compressor locked at 65Hz, Running Plate 4 as rated cooling capacity;
KFR18K048D rated cooling capacity is: 5332 W (18192 Btu/H) <Nameplate as 18000Btu/H +/- 5%>
EER/COP: 4.41 W/W

Important Notices:

- The data show on this table is tested and conducted by original equipment manufacturer Aislu and tested in Aislu enthalpy method air conditioner capacity testing lab, the lab and its equipment is designed depend on Chinese standards of GB7725(China); IF test this air conditioner in different method or conduct with different standards could display different results. The data show on this table is **only for user, distributor reference only**.
- The data show on this table is accumulated average value depend on different compressor speed, fan speed, and different temperatures, then to show customer the air conditioner output cooling capacity on different conditions.
- The tests conducted under original equipment manufacturer Aislu's factory lab controllers and computer system; Theoretically, the inside controller of this air conditioner can achieve or setup such as lock compressor frequency, fan speed these functions, but it is very dangerous to setup the functions if without professional trained person, COULD happen burn compressor, burn power circuit or cause program confusion issues.

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