

RATING CONDITIONS

11.1 K Superheat
8.3 K Subcooling
35 C Ambient Air Over

50 Hz Operation

AIR CONDITIONING

ZR24K4E-PFJ

HFC-407C - Dew Pt
COPELAND SCROLL®
PFJ 220/240-1-50

Evaporating Temperature C (Sat Dew Pt Pressure, bar)

		-20(2.2)	-15(2.6)	-10(3.2)	-5(3.9)	0(4.6)	5(5.5)	7(5.8)	10(6.4)	12.5(7)
Condensing Temperature C (Sat Dew Pt Pressure, bar)	65 (28) C						4300	4700	5300	5900
	P						2480	2470	2450	2440
	A						11.2	11.1	10.9	10.7
	M						30.8	33.3	37.3	40.9
	E						1.7	1.9	2.2	2.4
	%						53.1	55.1	58	60.5
	60 (25) C					3750	4650	5100	5750	6350
	P					2200	2190	2180	2170	2150
	A					10.2	9.9	9.8	9.6	9.5
	M					25.7	31.4	33.9	37.9	41.5
E					1.7	2.1	2.3	2.6	3	
%					51.6	56.7	58.6	61.5	63.8	
55 (22) C				3200	4050	5000	5450	6150	6800	
P				1950	1950	1930	1930	1910	1890	
A				9.3	9	8.8	8.7	8.5	8.4	
M				21.1	26.1	31.8	34.3	38.4	42	
E				1.7	2.1	2.6	2.8	3.2	3.6	
%				49.9	55.1	60	61.8	64.5	66.5	
50 (20) C			2710	3450	4350	5350	5800	6550	7200	
P			1720	1720	1720	1710	1700	1680	1660	
A			8.5	8.3	8	7.8	7.7	7.6	7.5	
M			17.1	21.4	26.4	32.2	34.7	38.8	42.4	
E			1.6	2	2.5	3.1	3.4	3.9	4.3	
%			47.5	53.1	58.2	62.8	64.4	66.6	68.3	
45 (18) C		2220	2885	3650	4600	5650	6150	6900	7600	
P		1520	1520	1520	1520	1510	1500	1480	1460	
A		7.9	7.6	7.4	7.2	7	6.9	6.8	6.7	
M		13.6	17.3	21.7	26.7	32.5	35	39.1	42.7	
E		1.5	1.9	2.4	3	3.8	4.1	4.7	5.2	
%		44.4	50.6	56.1	60.8	64.7	66	67.7	68.7	
40 (15) C	1760	2360	3050	3900	4850	6000	6500	7300	8000	
P	1340	1340	1350	1350	1340	1330	1320	1300	1290	
A	7.4	7.1	6.9	6.7	6.5	6.3	6.3	6.2	6.1	
M	10.5	13.8	17.6	22	27	32.8	35.3	39.3	42.9	
E	1.3	1.8	2.3	2.9	3.6	4.5	4.9	5.6	6.2	
%	40.2	47.2	53.4	58.5	62.7	65.6	66.4	67.2	67.4	
35 (13) C	1880	2510	3250	4100	5150	6300	6800	7650	8400	
P	1190	1190	1190	1190	1190	1180	1170	1150	1130	
A	6.6	6.4	6.2	6	5.9	5.7	5.7	5.6	5.5	
M	10.7	14	17.9	22.3	27.3	33	35.6	39.6	43.1	
E	1.6	2.1	2.7	3.5	4.3	5.4	5.8	6.6	7.4	
%	42.8	49.9	55.8	60.4	63.5	65	65.1	64.6	63.6	
30 (12) C	2020	2680	3450	4350	5400	6600	7150	8000	8750	
P	1060	1050	1050	1050	1050	1040	1030	1020	1010	
A	6	5.8	5.6	5.5	5.3	5.2	5.1	5	4.9	
M	10.9	14.3	18.2	22.6	27.6	33.3	35.8	39.8	43.3	
E	1.9	2.5	3.3	4.1	5.1	6.3	6.9	7.8	8.7	
%	45.6	52.5	57.8	61.3	62.9	62.4	61.6	59.5	56.9	
27 (11) C	2110	2785	3600	4500	5550	6800	7350	8200	9000	
P	983	980	980	982	980	971	965	952	938	
A	5.6	5.4	5.3	5.2	5	4.9	4.8	4.7	4.6	
M	11.1	14.5	18.4	22.8	27.8	33.5	36	39.9	43.4	
E	2.1	2.8	3.6	4.6	5.7	7	7.6	8.6	9.6	
%	47.3	54	58.7	61.3	61.8	59.8	58.2	54.9	51.1	

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 220 V

C:Capacity(Watts), P:Power(W), A:Current(Amps), M:Mass Flow(g/s), E:COP(W/W), %:Isentropic Efficiency(%)