

RATING CONDITIONS

11.1 K Superheat
8.3 K Subcooling
35 C Ambient Air Over

50 Hz Operation

AIR CONDITIONING

ZR42K3E-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						7450	8150	9200	10100
	P						4160	4140	4110	4090
	A						19.6	19.5	19.4	19.3
	M						53.5	57.7	64.5	70.5
	E						1.8	2	2.2	2.5
	%						54.8	56.9	59.8	62.1
	60 (25) C					6600	8200	8900	10000	10950
	P					3680	3650	3630	3610	3580
	A					17.5	17.4	17.3	17.2	17.1
	M					45.2	54.9	59.2	66	72
	E					1.8	2.2	2.4	2.8	3.1
	%					54.3	59.6	61.5	64.2	66.2
55 (22) C				5800	7200	8850	9600	10750	11750	
P				3270	3240	3210	3190	3170	3140	
A				15.7	15.6	15.5	15.4	15.3	15.2	
M				37.9	46.5	56.1	60.3	67	73	
E				1.8	2.2	2.8	3	3.4	3.7	
%				53.3	58.9	63.8	65.5	67.8	69.4	
50 (20) C			5000	6300	7750	9500	10250	11450	12500	
P			2900	2890	2860	2830	2820	2790	2770	
A			14.2	14.1	14	13.9	13.8	13.7	13.6	
M			31.5	39	47.4	57	61.2	68	73.5	
E			1.7	2.2	2.7	3.4	3.6	4.1	4.5	
%			51.8	57.6	62.8	67	68.4	70.1	71.2	
45 (18) C		4250	5400	6750	8300	10100	10850	12100	13250	
P		2590	2580	2560	2540	2510	2500	2470	2450	
A		12.8	12.8	12.7	12.6	12.5	12.4	12.3	12.2	
M		26	32.4	39.8	48.2	57.7	61.8	68.5	74	
E		1.6	2.1	2.6	3.3	4	4.3	4.9	5.4	
%		49.8	55.8	61.1	65.6	69	69.9	70.9	71.2	
40 (15) C		3600	4600	5750	7150	8750	10650	11450	12750	
P		2320	2300	2290	2270	2260	2230	2220	2200	
A		11.7	11.6	11.5	11.5	11.4	11.3	11.2	11.1	
M		21.3	26.7	33	40.3	48.7	58.2	62.3	69	
E		1.6	2	2.5	3.1	3.9	4.8	5.2	5.8	
%		47.3	53.4	58.9	63.6	67.2	69.4	69.7	69.1	
35 (13) C		3850	4850	6100	7550	9200	11150	12000	13350	
P		2070	2050	2040	2030	2010	1990	1980	1960	
A		10.6	10.5	10.5	10.4	10.3	10.2	10.2	10.1	
M		21.8	27.2	33.5	40.7	49	58.4	62.5	69	
E		1.9	2.4	3	3.7	4.6	5.6	6.1	6.8	
%		50.5	56.2	61.1	64.9	67.3	67.9	67.6	66.3	
30 (12) C		4100	5150	6400	7900	9650	11600	12500	13900	
P		1840	1830	1820	1800	1790	1770	1760	1750	
A		9.6	9.6	9.5	9.5	9.4	9.3	9.3	9.2	
M		22.2	27.5	33.7	40.9	49.2	58.6	62.7	69	
E		2.2	2.8	3.5	4.4	5.4	6.6	7.1	7.9	
%		53	58.2	62.3	65	65.9	64.5	63.2	60.3	
27 (11) C		4200	5300	6550	8100	9850	11900	12800	14200	
P		1710	1700	1690	1680	1670	1650	1650	1630	
A		9.1	9	9	9	8.9	8.8	8.8	8.7	
M		22.3	27.6	33.8	41	49.2	58.6	62.7	69	
E		2.5	3.1	3.9	4.8	5.9	7.2	7.8	8.7	
%		54.3	59	62.5	64.4	64.2	61.4	59.4	55.4	

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(%)