

**RATING CONDITIONS**

11.1 K Superheat  
 8.3 K Subcooling  
 35 C Ambient Air Over

50 Hz Operation

# AIR CONDITIONING

**ZR47K3E-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)	
65 (28)	C						8750	9550	10750	11800	
	P						4330	4320	4300	4290	
	A						20.6	20.5	20.4	20.4	
	M						62.8	67.5	75.5	82	
	E						2	2.2	2.5	2.8	
	%						61.8	64	66.9	68.8	
	60 (25)	C					7550	9350	10150	11350	12450
		P					3950	3920	3920	3910	3920
		A					18.9	18.8	18.8	18.8	18.8
		M					51.8	62.9	67.5	75	81.5
E						1.9	2.4	2.6	2.9	3.2	
%					58.1	63.4	65.2	67.3	68.5		
55 (22)	C				6550	8150	10000	10800	12050	13150	
	P				3530	3520	3520	3520	3540	3560	
	A				17.1	17.1	17.1	17.1	17.2	17.2	
	M				42.9	52.6	63.5	68	75	81.5	
	E				1.9	2.3	2.8	3.1	3.4	3.7	
%				55.9	61.4	65.6	66.8	68	68.5		
50 (20)	C			5650	7100	8800	10650	11500	12800	13950	
	P			3110	3110	3120	3140	3150	3170	3200	
	A			15.4	15.4	15.4	15.5	15.5	15.6	15.8	
	M			35.7	44.1	53.5	64	68.5	75.5	82	
	E			1.8	2.3	2.8	3.4	3.6	4	4.3	
%			54.9	60.5	65	67.9	68.5	68.8	68.4		
45 (18)	C		4900	6200	7650	9400	11350	12200	13550	14750	
	P		2690	2720	2730	2750	2780	2800	2830	2870	
	A		13.7	13.8	13.9	13.9	14	14.1	14.2	14.4	
	M		29.8	37	45.2	54.4	64.5	69	76.5	82.5	
	E		1.8	2.3	2.8	3.4	4.1	4.4	4.8	5.2	
%		54.9	60.4	65.1	68.4	69.9	69.9	69.1	67.7		
40 (15)	C	4200	5300	6650	8150	9950	11950	12850	14300	15600	
	P	2310	2350	2380	2400	2420	2450	2470	2510	2550	
	A	12.2	12.4	12.5	12.5	12.6	12.7	12.8	12.9	13.1	
	M	24.8	30.9	38	46	55.1	65.5	70	77	83.5	
	E	1.8	2.3	2.8	3.4	4.1	4.9	5.2	5.7	6.1	
%	55.3	60.5	65.2	68.9	71	71	70.2	68.3	65.8		
35 (13)	C	4450	5600	7000	8600	10450	12600	13500	15000	16400	
	P	2040	2070	2090	2110	2130	2170	2190	2230	2280	
	A	11.2	11.3	11.4	11.5	11.6	11.7	11.7	11.9	12	
	M	25.4	31.4	38.4	46.4	55.6	66	70.5	77.5	84	
	E	2.2	2.7	3.3	4.1	4.9	5.8	6.2	6.7	7.2	
%	59.6	64.2	68.2	71	71.9	70.3	68.7	65.5	61.8		
30 (12)	C	4600	5800	7250	8900	10850	13100	14100	15700	17100	
	P	1840	1860	1870	1880	1900	1940	1960	2000	2040	
	A	10.5	10.7	10.7	10.8	10.8	10.9	10.9	11	11.2	
	M	25	31	38.1	46.2	55.5	66	71	78	84.5	
	E	2.5	3.1	3.9	4.7	5.7	6.8	7.2	7.9	8.4	
%	60	64.4	68.1	70.2	70	66.7	64.4	59.7	54.8		
27 (11)	C	4600	5850	7300	9050	11050	13400	14450	16100	17500	
	P	1760	1770	1780	1780	1790	1820	1840	1880	1920	
	A	10.3	10.5	10.5	10.5	10.5	10.5	10.6	10.7	10.8	
	M	24.3	30.4	37.5	45.8	55.2	66	70.5	78	85	
	E	2.6	3.3	4.1	5.1	6.2	7.4	7.8	8.5	9.1	
%	57.7	62.3	66	67.8	67.1	62.8	59.9	54.4	48.7		

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(%)**