

RATING CONDITIONS

11.1 K Superheat
 8.3 K Subcooling
 35 C Ambient Air Over

50 Hz Operation

AIR CONDITIONING

ZR47KCE-TFD

HFC-407C - Dew Pt
 COPELAND SCROLL®
 TFD 380/420-3-50

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						8800	9550	10750	11800	
	P						4350	4330	4310	4290	
	A						7.6	7.6	7.5	7.5	
	M						63	68	75.5	82	
	E						2	2.2	2.5	2.8	
	%						61.9	64.1	67	68.9	
	60 (25)	C					7600	9400	10150	11350	12450
		P					3930	3910	3900	3900	3900
		A					7.1	7.1	7	7.1	7.1
		M					52.1	63	67.5	75	81.5
E						1.9	2.4	2.6	2.9	3.2	
%					58.6	63.8	65.6	67.7	69		
55 (22)	C				6600	8200	10000	10800	12050	13150	
	P				3490	3480	3480	3480	3500	3520	
	A				6.6	6.5	6.5	6.6	6.6	6.6	
	M				43.2	52.7	63.5	68	75	81.5	
	E				1.9	2.4	2.9	3.1	3.5	3.8	
%				56.8	62.3	66.4	67.7	68.9	69.4		
50 (20)	C			5700	7150	8800	10650	11500	12800	13950	
	P			3040	3050	3060	3070	3080	3110	3140	
	A			6	6	6	6.1	6.1	6.1	6.1	
	M			35.9	44.2	53.6	64	68.5	75.5	82	
	E			1.9	2.3	2.9	3.5	3.7	4.1	4.4	
%			56.5	62	66.4	69.3	70	70.3	69.9		
45 (18)	C		4900	6200	7650	9400	11300	12150	13550	14750	
	P		2600	2620	2640	2660	2690	2710	2740	2780	
	A		5.5	5.6	5.6	5.6	5.6	5.7	5.7	5.7	
	M		30	37.1	45.2	54.4	64.5	69	76.5	82.5	
	E		1.9	2.4	2.9	3.5	4.2	4.5	4.9	5.3	
%		57.3	62.7	67.3	70.6	72.1	72.1	71.3	69.8		
40 (15)	C	4200	5300	6650	8150	9950	11950	12850	14300	15500	
	P	2190	2230	2260	2280	2310	2350	2370	2410	2450	
	A	5.1	5.1	5.2	5.2	5.2	5.3	5.3	5.3	5.4	
	M	24.9	31	38	46	55.1	65.5	70	77	83.5	
	E	1.9	2.4	2.9	3.6	4.3	5.1	5.4	5.9	6.3	
%	58.7	63.8	68.5	72.2	74.3	74.2	73.4	71.2	68.6		
35 (13)	C	4450	5600	7000	8600	10450	12550	13500	15000	16300	
	P	1900	1940	1960	1980	2010	2050	2070	2110	2160	
	A	4.8	4.8	4.9	4.9	4.9	4.9	5	5	5	
	M	25.4	31.4	38.3	46.4	55.5	66	70.5	77.5	84	
	E	2.4	2.9	3.6	4.3	5.2	6.2	6.5	7.1	7.6	
%	64	68.6	72.7	75.6	76.4	74.5	72.8	69.2	65.2		
30 (12)	C	4600	5800	7250	8900	10850	13100	14100	15700	17100	
	P	1690	1720	1730	1740	1760	1800	1820	1860	1910	
	A	4.6	4.6	4.7	4.7	4.7	4.7	4.7	4.7	4.8	
	M	25	31	38.1	46.2	55.5	66	71	78	84.5	
	E	2.7	3.4	4.2	5.1	6.2	7.3	7.8	8.4	8.9	
%	65.3	69.9	73.8	76	75.7	71.9	69.2	64	58.5		
27 (11)	C	4600	5850	7300	9050	11050	13400	14400	16000	17500	
	P	1600	1620	1630	1630	1640	1680	1700	1740	1790	
	A	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.7	
	M	24.3	30.4	37.5	45.8	55.3	66	70.5	78	85	
	E	2.9	3.6	4.5	5.5	6.7	8	8.5	9.2	9.8	
%	63.3	68.2	72.1	74.1	73.1	68.2	65	58.8	52.4		

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 380 V

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