

**RATING CONDITIONS**

20 °F Superheat  
 15 °F Subcooling  
 95 °F Ambient Air Over

60 Hz Operation

# AIR CONDITIONING

**ZR42K5E-TF5**

HCFC-22  
 COPELAND SCROLL®  
 TF5 200/230-3-60

**Evaporating Temperature °F (Sat Dew Pt Pressure, psig)**

		-10(16)	0(24)	10(33)	20(43)	30(55)	40(68)	45(76)	50(84)	55(93)
<b>Condensing Temperature °F (Sat Dew Pt Pressure, psig)</b>	150 (381)C						30600	34900	39400	44200
	P						4970	4910	4860	4810
	A						14.25	14.1	13.95	13.85
	M						500	565	634	705
	E						6.2	7.1	8.1	9.2
	%						53.4	57.5	61.1	64.4
	140 (337)C					26200	34300	38700	43300	48200
	P					4400	4320	4280	4240	4210
	A					12.85	12.65	12.55	12.45	12.35
	M					412	531	594	661	730
E					6	8	9.1	10.2	11.4	
%					51.6	60	63.4	66.5	69.1	
130 (297)C				22100	29500	37700	42200	46900	51900	
P				3900	3830	3770	3750	3720	3690	
A				11.6	11.45	11.3	11.25	11.2	11.15	
M				335	441	556	618	682	750	
E				5.7	7.7	10	11.3	12.6	14.1	
%				49.4	58.5	65.5	68.3	70.5	72.2	
120 (260)C			18250	25000	32500	40900	45400	50200	55300	
P			3440	3380	3340	3310	3290	3270	3250	
A			10.55	10.4	10.3	10.25	10.2	10.15	10.1	
M			268	362	464	576	636	699	765	
E			5.3	7.4	9.8	12.3	13.8	15.3	17	
%			46.7	56.7	64.3	69.6	71.4	72.7	73.4	
110 (226)C		14750	20900	27700	35300	43700	48300	53200	58400	
P		3040	2980	2950	2930	2910	2900	2890	2860	
A		9.65	9.5	9.45	9.4	9.4	9.35	9.3	9.25	
M		211	294	384	482	590	649	710	775	
E		4.8	7	9.4	12.1	15	16.6	18.4	20.4	
%		43.2	54.2	62.6	68.4	71.7	72.5	72.6	72.2	
100 (196)C	11600	17200	23300	30100	37700	46300	50900	55900	61100	
P	2700	2640	2610	2590	2590	2570	2560	2540	2520	
A	8.95	8.8	8.7	8.7	8.7	8.65	8.65	8.6	8.5	
M	161	235	314	400	495	600	656	716	779	
E	4.3	6.5	8.9	11.6	14.6	17.9	19.9	21.9	24.3	
%	38.7	51	60.4	66.8	70.5	71.6	71.2	70.1	68.4	
90 (168)C	13800	19300	25400	32200	39800	48400	53100	58100	63500	
P	2350	2310	2290	2290	2290	2270	2260	2230	2200	
A	8.2	8.1	8.1	8.1	8.1	8.05	8	7.9	7.8	
M	184	254	329	411	502	604	659	717	779	
E	5.9	8.3	11.1	14.1	17.4	21.3	23.6	26.1	28.9	
%	46.7	57.3	64.6	68.8	70.2	68.9	67.2	64.8	61.7	
80 (144)C	15700	21100	27100	33800	41500	50100	54900	60000	65400	
P	2060	2030	2030	2030	2020	1995	1970	1935	1890	
A	7.65	7.6	7.6	7.6	7.6	7.5	7.4	7.3	7.15	
M	201	267	338	417	505	603	657	714	775	
E	7.6	10.3	13.3	16.7	20.6	25.1	27.9	31	34.5	
%	53	61.4	66.5	68.3	67.3	63.5	60.5	56.4	51.5	

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 230 V

**C:Capacity(Btu/hr), P:Power(Watts), A:Current(Amps), M:Mass Flow(lbs/hr), E:EER(Btu/Watt-hr), %:Isentropic Efficiency(%)**