

RATING CONDITIONS

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

60 Hz Operation

AIR CONDITIONING

ZR108KCE-TFD

HFC-134A
 COPELAND SCROLL®
 TFD 460-3-60

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

		-10(1.9)	0(6.5)	10(12)	20(18)	30(26)	40(35)	45(40)	50(45)	55(51)
Condensing Temperature °F (Sat Dew Pt Pressure, psig)	150 (263)C						54000	60600	67700	75300
	P						7980	8020	8040	8020
	A						13.2	13.25	13.3	13.3
	M						985	1090	1200	1320
	E						6.8	7.5	8.4	9.4
	%						58.8	61.1	63.2	65.2
	140 (229)C					46800	59300	66400	74000	82100
	P					7020	7150	7190	7210	7200
	A					12.15	12.25	12.3	12.3	12.35
	M					819	1015	1120	1230	1350
E					6.7	8.3	9.3	10.3	11.4	
%					57.9	62.4	64.4	66.1	67.7	
130 (199)C				39800	51100	64600	72100	80100	88700	
P				6130	6270	6400	6440	6460	6450	
A				11.2	11.3	11.4	11.45	11.45	11.5	
M				671	841	1035	1145	1255	1375	
E				6.5	8.2	10.1	11.2	12.4	13.8	
%				56.7	61.5	65.4	66.9	68.2	69.1	
120 (171)C			33400	43300	55400	69600	77500	86000	95000	
P			5340	5460	5600	5720	5760	5790	5790	
A			10.4	10.5	10.6	10.7	10.7	10.75	10.8	
M			544	689	860	1055	1160	1275	1395	
E			6.3	8	9.9	12.2	13.4	14.8	16.4	
%			54.9	60.4	64.6	67.5	68.4	68.9	69	
110 (146)C		27700	36100	46700	59500	74500	82700	91600	101000	
P		4720	4760	4860	4990	5110	5160	5200	5220	
A		9.7	9.8	9.9	9.95	10.05	10.1	10.15	10.2	
M		438	557	703	875	1070	1180	1290	1410	
E		5.8	7.6	9.6	11.9	14.6	16	17.6	19.4	
%		52.2	58.4	63.4	66.8	68.2	68.2	67.7	66.8	
100 (124)C	23100	29900	38900	50000	63400	79100	87700	96900	106500	
P	4300	4220	4240	4330	4450	4580	4640	4690	4720	
A	9.15	9.25	9.3	9.35	9.45	9.55	9.6	9.65	9.75	
M	354	447	568	715	887	1085	1190	1300	1420	
E	5.3	7.1	9.2	11.6	14.3	17.3	18.9	20.6	22.6	
%	48.3	55.2	61.3	65.6	67.6	67.1	66	64.3	61.9	
90 (104)C	24800	32000	41500	53200	67200	83400	92400	102000	112000	
P	3880	3770	3770	3850	3980	4130	4200	4260	4310	
A	8.8	8.85	8.9	8.95	9.05	9.15	9.2	9.3	9.4	
M	361	456	577	724	896	1090	1195	1305	1425	
E	6.4	8.5	11	13.8	16.9	20.2	22	23.9	26	
%	50.5	57.6	63.3	66.5	66.6	63.7	61.2	57.9	54	
80 (87)C	26500	34100	44000	56200	70700	87500	96700	106500	117000	
P	3510	3370	3350	3430	3570	3740	3820	3900	3970	
A	8.5	8.5	8.55	8.6	8.7	8.85	8.95	9.05	9.15	
M	367	462	584	730	901	1095	1200	1310	1425	
E	7.5	10.2	13.1	16.4	19.8	23.4	25.3	27.3	29.4	
%	52	59.1	64	65.5	63.3	57.4	53.3	48.3	42.6	

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 460 V

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