

RATING CONDITIONS

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

60 Hz Operation

AIR CONDITIONING

ZR57K3-TFD

HCFC-22
 COPELAND SCROLL®
 TFD 460-3-60

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)
Condensing Temperature °F (Sat Dew Pt Pressure, psig)	150 (381)C						46500	51500	56500	62500
	P						6500	6450	6400	6350
	A						9	8.9	8.9	8.9
	M						760	835	915	1000
	E						7.2	8	8.9	9.8
	%						62.3	64.8	67.1	69.1
	140 (337)C					40600	49900	55000	60500	66500
	P					5800	5700	5650	5650	5600
	A					8.2	8.1	8	8	8
	M					640	775	845	925	1010
E					7	8.7	9.7	10.7	11.9	
%					61	66.1	68.2	70.1	71.7	
130 (297)C				35100	43500	53000	58500	64500	70500	
P				5150	5100	5050	5000	4980	4950	
A				7.4	7.3	7.3	7.3	7.2	7.2	
M				535	650	785	860	935	1020	
E				6.8	8.6	10.6	11.7	12.9	14.2	
%				59.6	65	69.3	71	72.3	73.2	
120 (260)C			30100	37600	46300	56500	62000	68000	74500	
P			4560	4520	4480	4430	4410	4390	4370	
A			6.7	6.7	6.6	6.6	6.6	6.6	6.6	
M			442	545	660	795	870	945	1030	
E			6.6	8.3	10.4	12.7	14	15.5	17	
%			58	63.7	68.3	71.6	72.7	73.3	73.4	
110 (226)C		25400	32200	40000	49000	59500	65500	71500	78500	
P		4030	4000	3970	3940	3910	3900	3880	3870	
A		6.1	6.1	6.1	6	6	6	6	6	
M		363	452	555	670	800	875	955	1040	
E		6.3	8.1	10.1	12.4	15.2	16.8	18.4	20.3	
%		56.1	62.2	67.2	70.7	72.6	72.9	72.6	71.7	
100 (196)C	21000	27200	34100	42200	51500	62500	68500	75000	82000	
P	3540	3530	3510	3490	3470	3450	3440	3430	3420	
A	5.6	5.6	5.6	5.5	5.5	5.5	5.5	5.5	5.5	
M	293	371	460	560	675	810	880	960	1040	
E	5.9	7.7	9.7	12.1	14.8	18.1	19.9	21.8	24	
%	53.6	60.4	65.7	69.5	71.7	71.9	71.1	69.6	67.4	
90 (168)C	22500	28700	35900	44200	54000	65000	71500	78500	85500	
P	3090	3090	3080	3070	3060	3060	3050	3040	3040	
A	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	
M	300	377	465	565	680	810	885	965	1050	
E	7.3	9.3	11.6	14.4	17.6	21.3	23.4	25.7	28.2	
%	57.8	63.7	67.9	70.4	70.9	68.9	66.8	63.9	60.1	
80 (144)C	23700	30000	37300	45900	56000	67500	74000	81500	89000	
P	2710	2710	2710	2720	2710	2710	2710	2710	2700	
A	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.7	4.7	
M	303	380	467	565	680	815	885	965	1050	
E	8.8	11.1	13.8	16.9	20.6	25	27.4	30.1	32.9	
%	60.9	65.7	68.5	69.3	67.6	63	59.4	54.6	48.9	

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(%)