

RATING CONDITIONS

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

60 Hz Operation

AIR CONDITIONING

ZR90K3-TWD

HCFC-22
 COPELAND SCROLL®
 TWD 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						68500	76000	84500	94000
	P						10100	10000	10000	10100
	A						14.6	14.6	14.6	14.6
	M						1120	1240	1360	1500
	E						6.8	7.6	8.4	9.3
	%						59.2	61.5	63.6	65.4
	140 (337)C					61000	75000	83000	92000	101000
	P					9000	8950	8950	8950	8950
	A					13.5	13.5	13.4	13.4	13.5
	M					955	1160	1280	1400	1540
E					6.8	8.4	9.3	10.2	11.3	
%					58.7	63.2	65.1	66.8	68.2	
130 (297)C				52500	65500	80500	89000	98000	108000	
P				8000	8000	8000	8000	8000	8000	
A				12.6	12.5	12.5	12.5	12.5	12.5	
M				800	980	1190	1300	1430	1560	
E				6.6	8.2	10	11.1	12.3	13.5	
%				57.2	62	65.9	67.4	68.6	69.5	
120 (260)C			44200	56000	69500	85000	94000	104000	114000	
P			7150	7150	7150	7150	7100	7100	7150	
A			11.8	11.8	11.7	11.7	11.7	11.7	11.7	
M			650	810	990	1200	1320	1440	1580	
E			6.2	7.8	9.7	11.9	13.2	14.5	16	
%			54.5	59.9	64.2	67.2	68.3	68.9	69	
110 (226)C		35500	46700	59000	73000	89500	99000	109000	120000	
P		6300	6350	6400	6350	6350	6350	6350	6400	
A		11.1	11.1	11.1	11.1	11.1	11	11	11.1	
M		505	655	820	1000	1210	1330	1450	1590	
E		5.7	7.4	9.3	11.5	14.1	15.5	17.1	18.8	
%		50.2	56.8	61.8	65.3	67.3	67.6	67.4	66.6	
100 (196)C	26700	37700	49300	62000	77000	94000	104000	115000	126000	
P	5450	5600	5650	5700	5700	5700	5700	5700	5750	
A	10.4	10.5	10.6	10.6	10.5	10.5	10.5	10.5	10.5	
M	370	515	665	825	1010	1220	1340	1470	1610	
E	4.9	6.7	8.7	10.9	13.5	16.5	18.3	20.1	22	
%	43.9	52.7	58.8	62.9	65.3	65.9	65.3	64.1	62.1	
90 (168)C	28900	40300	52500	66000	81500	99500	110000	121000	133000	
P	4860	5000	5050	5100	5100	5100	5150	5150	5200	
A	10	10.1	10.2	10.1	10.1	10.1	10.1	10.1	10.1	
M	385	530	680	840	1030	1240	1360	1490	1630	
E	6	8.1	10.3	12.9	15.9	19.4	21.4	23.5	25.7	
%	47.2	55.3	60.4	63.4	64.3	62.8	61	58.4	54.9	
80 (144)C	32100	43900	56500	70500	86500	106000	116000	128000	141000	
P	4330	4470	4540	4580	4600	4630	4650	4680	4720	
A	9.7	9.8	9.8	9.8	9.8	9.8	9.7	9.8	9.8	
M	411	555	705	870	1060	1270	1390	1520	1670	
E	7.4	9.8	12.4	15.4	18.8	22.8	25	27.4	29.8	
%	51.6	58.4	62	63.2	61.9	57.7	54.3	49.8	44.4	

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(%)