

RATING CONDITIONS

65 °F Return Gas
 0 °F Subcooling
 95 °F Ambient Air Over

60 Hz Operation

LOW TEMPERATURE

HFCs Require Use of Polyol Ester Lubricant Approved
 on Form 93-11

ZF40K4E-TWD

HFC-404A
 COPELAND SCROLL®
 TWD 460-3-60

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

		-40(4.5)	-35(7.1)	-30(9.9)	-25(13)	-20(16)	-15(20)	-10(24)	-5(28)	0(33)
Condensing Temperature °F (Sat Dew Pt Pressure, psig)	60 (125) C	36700	42000	47800	54000	61000	69000	77500	86500	96500
	P	5650	5850	6100	6300	6550	6800	7100	7400	7700
	A	10.8	11	11.2	11.4	11.7	11.9	12.2	12.5	12.9
	M	505	580	660	750	845	955	1070	1210	1350
	E	6.5	7.2	7.9	8.6	9.3	10.1	10.9	11.7	12.6
	%	58.4	59.9	60.9	61.3	61.4	61	60.2	58.9	57.2
	50 (104) C	38500	44000	50000	57000	64000	72500	81500	91000	102000
	P	5200	5400	5600	5850	6100	6350	6600	6900	7200
	A	10.4	10.6	10.8	11	11.2	11.5	11.8	12.1	12.4
	M	505	580	660	750	845	955	1080	1210	1360
E	7.4	8.2	8.9	9.7	10.6	11.4	12.3	13.2	14.1	
%	58	59.1	59.6	59.5	59	58	56.5	54.5	52	
40 (86) C	40300	46100	52500	59500	67500	76000	85500	96000	107000	
P	4800	4990	5200	5450	5650	5950	6200	6500	6800	
A	10.1	10.2	10.4	10.6	10.9	11.1	11.4	11.7	12.1	
M	505	580	660	750	850	960	1080	1220	1370	
E	8.4	9.2	10.1	11	11.9	12.8	13.8	14.7	15.7	
%	56.9	57.4	57.3	56.6	55.4	53.6	51.3	48.5	45.1	
30 (70) C	42400	48300	55000	62500	70500	79500	89500			
P	4460	4650	4860	5100	5350	5600	5900			
A	9.8	9.9	10.1	10.3	10.6	10.9	11.2			
M	510	585	665	755	855	965	1090			
E	9.5	10.4	11.3	12.3	13.2	14.2	15.2			
%	54.9	54.6	53.8	52.3	50.2	47.6	44.4			
20 (56) C	44600	51000	57500	65500	74000					
P	4190	4380	4590	4820	5050					
A	9.6	9.8	10	10.2	10.4					
M	515	590	670	760	865					
E	10.7	11.6	12.6	13.6	14.6					
%	51.6	50.5	48.7	46.3	43.4					
15 (49) C	45900	52000	59000	67000	76000					
P	4080	4270	4480	4710	4970					
A	9.5	9.7	9.9	10.1	10.4					
M	520	595	675	765	870					
E	11.3	12.2	13.2	14.2	15.3					
%	49.4	47.8	45.6	42.7	39.3					

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(%)