

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

ZF48K4E-TWD

HFC-22
 COPELAND SCROLL®
 TWD 460-3-60

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

		-40(0.5)	-35(2.6)	-30(4.9)	-25(7.4)	-20(10)	-15(13)	-10(16)	-5(20)	0(24)
Condensing Temperature °F (Sat Dew Pt Pressure, psig)	60 (102) C	34500	39800	45600	52000	59000	66500	74000	82500	92000
	P	6750	6900	7100	7300	7500	7750	8050	8300	8650
	A	13.2	13.3	13.5	13.7	13.9	14.1	14.4	14.7	15
	M	388	448	515	585	665	750	840	940	1050
	E	5.1	5.8	6.4	7.1	7.8	8.5	9.2	9.9	10.6
	%	46.8	48.7	50.3	51.4	51.9	52	51.4	50.2	48.4
	50 (84) C	36000	41400	47200	53500	60500	67500	75500	84000	92500
	P	6250	6450	6600	6800	7000	7250	7500	7800	8150
	A	12.8	12.9	13.1	13.2	13.4	13.7	13.9	14.2	14.6
	M	393	451	515	585	660	740	830	925	1020
E	5.8	6.4	7.2	7.9	8.6	9.3	10	10.7	11.4	
%	46.3	47.8	48.7	49.2	49	48.2	46.8	44.8	42.2	
40 (68) C	37500	42800	48500	54500	61500	68500	76000	84000	92500	
P	5800	5950	6150	6300	6550	6800	7050	7350	7700	
A	12.4	12.6	12.7	12.9	13.1	13.3	13.5	13.9	14.2	
M	397	453	515	580	650	725	810	895	990	
E	6.5	7.2	7.9	8.7	9.4	10.1	10.8	11.4	12	
%	45.3	46.1	46.3	45.9	44.9	43.3	41	38.2	34.9	
30 (55) C	38900	43900	49400	55000	61500	68500	75500			
P	5350	5500	5650	5850	6050	6300	6600			
A	12.1	12.2	12.4	12.5	12.7	12.9	13.2			
M	399	452	510	570	635	705	780			
E	7.2	8	8.7	9.4	10.1	10.8	11.4			
%	43.6	43.6	42.9	41.7	39.7	37.2	34.2			
20 (43) C	39900	44500	49600	55000	61000					
P	4900	5050	5200	5350	5600					
A	11.8	11.9	12	12.2	12.3					
M	398	446	497	550	610					
E	8.1	8.9	9.6	10.3	10.9					
%	41.2	40.2	38.6	36.4	33.6					
15 (38) C	40200	44700	49500	54500	60500					
P	4650	4770	4930	5100	5350					
A	11.6	11.7	11.8	12	12.2					
M	395	440	488	540	595					
E	8.6	9.4	10.1	10.7	11.3					
%	39.8	38.3	36.1	33.4	30.1					

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(%)