

Rating Conditions

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

60 Hz Operation

AIR CONDITIONING

ZR68KCE-TFD

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

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

	-20.0 (10)	-10.0 (17)	0.0 (24)	10.0 (33)	20.0 (43)	30.0 (55)	45.0 (76)	50.0 (84)	55.0 (93)	60.0 (102)	65.0 (111)	70.0 (121)
150.0 (382)												
C							60,500	67,000	74,000	81,500	89,500	98,000
P							7,650	7,650	7,650	7,650	7,650	7,700
A							10.7	10.7	10.7	10.7	10.7	10.7
M							985	1,086	1,192	1,303	1,420	1,542
E							7.9	8.8	9.7	10.7	11.7	12.7
%							64.2	66.5	68.4	69.8	70.7	71.0
140.0 (337)												
C							65,500	72,500	79,500	87,500	95,500	104,000
P							6,750	6,750	6,750	6,800	6,800	6,850
A							9.6	9.7	9.7	9.7	9.7	9.8
M							1,012	1,111	1,215	1,324	1,439	1,559
E							9.7	10.7	11.8	12.9	14.0	15.2
%							68.6	70.2	71.4	72.0	72.0	71.4
130.0 (297)												
C						51,000	70,000	77,000	85,000	93,000	101,000	110,000
P						5,900	5,950	6,000	6,000	6,050	6,100	6,150
A						8.7	8.7	8.8	8.8	8.9	8.9	9.0
M						765	1,030	1,128	1,231	1,339	1,453	1,572
E						8.6	11.8	12.9	14.1	15.4	16.6	17.9
%						65.5	71.4	72.4	72.7	72.3	71.3	69.5
120.0 (260)												
C					43,300	54,500	74,000	81,500	89,500	98,000	107,000	116,000
P					5,200	5,250	5,300	5,350	5,350	5,450	5,500	5,600
A					7.8	7.9	8.0	8.0	8.1	8.1	8.2	8.3
M					629	780	1,042	1,140	1,242	1,350	1,463	1,581
E					8.3	10.4	14.0	15.3	16.7	18.0	19.4	20.8
%					63.8	68.8	72.6	72.6	71.9	70.4	68.1	65.0
110.0 (226)												
C				36,100	46,100	57,500	78,000	86,000	94,000	103,000	112,000	122,000
P				4,560	4,610	4,640	4,730	4,780	4,840	4,920	5,000	5,150
A				7.1	7.1	7.2	7.3	7.4	7.5	7.5	7.6	7.7
M				510	641	791	1,051	1,148	1,250	1,358	1,470	1,588
E				7.9	10.0	12.4	16.5	18.0	19.4	20.9	22.3	23.7
%				61.3	66.8	70.7	71.9	70.8	68.8	66.0	62.3	57.7
100.0 (196)												
C			29,600	38,400	48,700	60,500	82,000	90,000	98,500	108,000	117,000	127,000
P			3,980	4,040	4,080	4,130	4,250	4,310	4,390	4,490	4,610	4,750
A			6.5	6.5	6.6	6.6	6.8	6.9	6.9	7.0	7.1	7.2
M			407	519	650	799	1,059	1,156	1,258	1,365	1,478	1,596
E			7.4	9.5	11.9	14.7	19.3	20.9	22.4	24.0	25.4	26.8
%			58.4	64.3	68.8	71.2	69.1	66.7	63.2	58.9	53.7	47.6
80.0 (144)												
C	19,400	25,600	33,400	42,800	54,000	67,000	90,000	98,500				
P	2,930	3,020	3,070	3,110	3,160	3,240	3,440	3,540				
A	5.5	5.6	5.6	5.6	5.7	5.8	6.0	6.1				
M	253	329	423	535	666	815	1,077	1,174				
E	6.6	8.5	10.9	13.7	17.0	20.6	26.1	27.8				
%	53.5	59.1	64.5	68.4	69.8	67.7	56.6	50.7				
70.0 (121)												
C	20,800	27,300	35,400	45,100	56,500	70,000						
P	2,530	2,590	2,640	2,680	2,740	2,830						
A	5.3	5.3	5.3	5.3	5.4	5.5						
M	262	338	432	545	676	826						
E	8.2	10.5	13.4	16.8	20.7	24.8						
%	58.4	63.5	67.9	70.1	69.0	63.5						
50.0 (84)												
C	24,500	31,500	40,200	51,000	63,500							
P	1,660	1,690	1,720	1,770	1,850							
A	4.9	4.8	4.8	4.8	4.9							
M	287	364	460	574	707							
E	14.7	18.6	23.4	28.7	34.2							
%	77.5	80.4	80.7	76.3	65.5							

C: Capacity (Btu/hr), P: Power (W), A: Current (Amps), M: Mass Flow (lb/hr), E: EER (Btu/Wh), %: Isentropic Efficiency (%)

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