

Rating Conditions

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

60 Hz Operation

HIGH TEMPERATURE

ZB66KCE-TFD

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

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

	10.0 (33)	15.0 (38)	20.0 (43)	25.0 (49)	30.0 (55)	40.0 (69)	45.0 (76)	50.0 (84)	55.0 (93)
150.0 (382)						79,000	87,000	96,000	105,000
C						11,400	11,500	11,500	11,500
P						16.8	16.8	16.8	16.9
A						1,403	1,560	1,731	1,918
M						6.9	7.6	8.4	9.1
E						66.0	67.8	69.4	70.7
%									
140.0 (337)						85,500	94,500	104,000	114,000
C						10,200	10,300	10,300	10,300
P						15.3	15.3	15.4	15.4
A						1,429	1,586	1,757	1,943
M						8.4	9.2	10.1	11.0
E						69.1	70.6	71.6	72.3
%									
130.0 (297)				67,500	75,000	92,000	101,000	111,000	122,000
C				9,000	9,050	9,150	9,200	9,250	9,300
P				13.9	14.0	14.1	14.1	14.2	14.2
A				1,049	1,172	1,450	1,607	1,778	1,964
M				7.5	8.3	10.1	11.0	12.0	13.1
E				66.3	68.3	71.3	72.2	72.7	72.7
%									
120.0 (260)			65,000	72,500	80,000	98,000	108,000	118,000	130,000
C			8,000	8,050	8,100	8,200	8,250	8,300	8,400
P			12.8	12.8	12.9	13.0	13.1	13.1	13.2
A			952	1,065	1,188	1,467	1,624	1,795	1,982
M			8.1	9.0	9.9	11.9	13.0	14.2	15.5
E			66.9	68.9	70.4	72.3	72.5	72.2	71.3
%									
110.0 (226)	55,000	61,500	69,000	76,500	85,000	104,000	114,000	125,000	137,000
C	7,050	7,100	7,150	7,200	7,250	7,400	7,450	7,500	7,600
P	11.8	11.8	11.9	11.9	12.0	12.1	12.2	12.3	12.4
A	764	860	964	1,078	1,201	1,480	1,638	1,809	1,996
M	7.8	8.7	9.6	10.6	11.7	14.0	15.3	16.7	18.1
E	64.9	67.1	69.0	70.4	71.4	71.8	71.2	69.9	68.0
%									
100.0 (196)	58,000	65,000	72,500	80,500	89,500	109,000	120,000	132,000	144,000
C	6,300	6,350	6,400	6,450	6,550	6,650	6,750	6,800	6,900
P	11.0	11.0	11.1	11.2	11.2	11.4	11.4	11.5	11.6
A	774	870	974	1,087	1,210	1,490	1,648	1,820	2,007
M	9.2	10.2	11.3	12.5	13.7	16.4	17.8	19.3	20.9
E	67.0	68.7	69.9	70.7	70.9	69.6	67.9	65.5	62.3
%									
90.0 (168)	61,000	68,500	76,000	84,500	94,000	114,000	126,000	138,000	151,000
C	5,600	5,700	5,750	5,800	5,850	6,000	6,100	6,200	6,300
P	10.3	10.4	10.4	10.5	10.6	10.7	10.8	10.9	11.0
A	781	876	980	1,093	1,217	1,497	1,656	1,828	2,016
M	10.9	12.0	13.3	14.6	16.0	19.0	20.6	22.3	24.0
E	68.0	69.0	69.5	69.5	68.8	65.2	62.3	58.5	53.9
%									
80.0 (144)	64,000	71,500	79,500	88,500	98,000	119,000	131,000	144,000	158,000
C	5,000	5,100	5,150	5,200	5,300	5,450	5,550	5,650	5,800
P	9.7	9.8	9.8	9.9	10.0	10.1	10.2	10.3	10.4
A	786	881	984	1,098	1,221	1,502	1,661	1,834	2,022
M	12.7	14.0	15.5	16.9	18.5	21.9	23.6	25.4	27.3
E	67.9	68.1	67.7	66.5	64.7	58.5	54.1	48.8	42.7
%									
70.0 (121)	66,500	74,000	82,500	92,000	102,000	124,000	136,000		
C	4,460	4,520	4,590	4,670	4,750	4,940	5,050		
P	9.2	9.2	9.3	9.4	9.4	9.6	9.7		
A	789	883	987	1,100	1,224	1,505	1,665		
M	14.9	16.4	18.0	19.7	21.4	25.1	27.0		
E	66.5	65.6	64.0	61.6	58.3	49.1	43.1		
%									

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