

Rating Conditions

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

60 Hz Operation

HIGH TEMPERATURE

ZB38KCE-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)						44,800	49,400	54,500	59,500
C						6,750	6,800	6,800	6,800
P						9.9	9.9	9.9	10.0
A						796	884	980	1,086
M						6.6	7.3	8.0	8.8
E						63.3	65.0	66.4	67.7
%									
140.0 (337)						48,500	53,500	59,000	64,500
C						6,050	6,050	6,100	6,100
P						9.0	9.1	9.1	9.1
A						810	898	995	1,100
M						8.0	8.8	9.7	10.6
E						66.3	67.6	68.6	69.4
%									
130.0 (297)				38,500	42,700	52,000	57,500	63,000	69,000
C				5,300	5,350	5,400	5,400	5,450	5,450
P				8.2	8.2	8.3	8.3	8.4	8.4
A				597	666	823	911	1,008	1,112
M				7.3	8.0	9.7	10.6	11.6	12.6
E				64.1	65.9	68.6	69.4	69.9	69.9
%									
120.0 (260)			37,000	41,200	45,700	55,500	61,000	67,000	73,500
C			4,700	4,730	4,770	4,830	4,860	4,890	4,920
P			7.5	7.6	7.6	7.7	7.7	7.7	7.8
A			543	607	677	834	923	1,019	1,122
M			7.9	8.7	9.6	11.5	12.6	13.7	14.9
E			64.9	66.7	68.2	69.9	70.1	69.7	68.9
%									
110.0 (226)	31,400	35,200	39,300	43,800	48,500	59,000	65,000	71,000	77,500
C	4,130	4,160	4,200	4,230	4,260	4,330	4,360	4,400	4,450
P	6.9	7.0	7.0	7.0	7.1	7.1	7.2	7.2	7.3
A	437	491	551	616	686	843	932	1,027	1,130
M	7.6	8.5	9.4	10.4	11.4	13.7	14.9	16.1	17.5
E	63.2	65.4	67.2	68.6	69.6	69.8	69.1	67.7	65.7
%									
100.0 (196)	33,300	37,300	41,600	46,300	51,500	62,500	68,500	74,500	81,500
C	3,690	3,710	3,740	3,770	3,810	3,890	3,940	3,990	4,050
P	6.5	6.5	6.6	6.6	6.6	6.7	6.7	6.8	6.9
A	443	499	559	623	693	850	938	1,033	1,134
M	9.0	10.0	11.1	12.3	13.5	16.0	17.3	18.7	20.1
E	65.5	67.3	68.7	69.5	69.6	68.0	66.1	63.4	60.0
%									
90.0 (168)	35,100	39,300	43,900	48,700	54,000	65,500	71,500	78,000	85,000
C	3,280	3,310	3,340	3,370	3,410	3,520	3,580	3,650	3,720
P	6.1	6.2	6.2	6.2	6.2	6.3	6.4	6.5	6.6
A	449	505	565	629	699	855	942	1,035	1,136
M	10.7	11.9	13.1	14.4	15.8	18.6	20.0	21.4	22.9
E	67.0	68.3	68.9	68.8	67.9	63.8	60.5	56.4	51.5
%									
80.0 (144)	36,900	41,300	45,900	51,000	56,500	68,000	74,500	81,000	88,500
C	2,920	2,940	2,980	3,020	3,070	3,200	3,280	3,370	3,470
P	5.8	5.8	5.9	5.9	5.9	6.1	6.1	6.2	6.4
A	454	510	569	633	702	857	943	1,035	1,134
M	12.7	14.0	15.4	16.9	18.3	21.3	22.7	24.1	25.5
E	67.5	68.0	67.5	66.2	64.0	56.9	52.0	46.3	39.9
%									
70.0 (121)	38,600	43,100	47,900	53,000	58,500	70,500	77,000		
C	2,590	2,620	2,660	2,710	2,780	2,940	3,040		
P	5.5	5.6	5.6	5.6	5.7	5.8	5.9		
A	458	513	572	635	704	856	940		
M	14.9	16.5	18.0	19.5	21.1	24.0	25.3		
E	66.6	65.8	64.0	61.2	57.4	46.9	40.4		
%									

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