

### Rating Conditions

18.3 °C Return Gas  
0 K Subcooling  
35 °C Ambient Air Over

50 Hz Operation

### MEDIUM TEMPERATURE

Blue Area Restrictions: 11°C Max  
Superheat

### ZB57KCE-TFD

HFC-404A  
COPELAND SCROLL®  
TFD 380/420-3-50

Condensing Temperature °C  
(Sat. Dew Pt. Pressure, bar)      Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

	-23.0(2.7)	-20.0(3)	-15.0(3.6)	-10.0(4.3)	-5.0(5.1)	0.0(6)	5.0(7)	7.0(7.5)
60.0 C					11,250	13,350	15,800	16,800
(28.7) P					7,850	8,100	8,300	8,350
A					12.5	12.8	13.0	13.1
M					127	153	185	200
E					1.4	1.7	1.9	2.0
%					63.0	64.9	66.4	66.9
55.0 C				10,800	12,850	15,200	18,000	19,200
(25.7) P				7,000	7,200	7,450	7,600	7,650
A				11.4	11.7	11.9	12.1	12.2
M				107	130	157	189	203
E				1.5	1.8	2.1	2.4	2.5
%				64.1	65.9	67.3	68.2	68.4
50.0 C			10,000	12,000	14,350	17,000	20,100	21,400
(23) P			6,150	6,400	6,600	6,800	6,950	7,000
A			10.4	10.7	10.9	11.1	11.3	11.4
M			90	109	132	159	192	206
E			1.6	1.9	2.2	2.5	2.9	3.1
%			64.8	66.7	68.2	69.0	69.2	69.1
45.0 C	7,950	9,000	10,900	13,150	15,700	18,700	22,000	23,500
(20.4) P	5,250	5,400	5,650	5,850	6,050	6,250	6,350	6,400
A	9.3	9.5	9.8	10.0	10.3	10.4	10.6	10.7
M	65	74	91	111	134	161	194	208
E	1.5	1.7	1.9	2.2	2.6	3.0	3.5	3.7
%	63.2	64.8	67.1	68.7	69.7	69.9	69.3	68.8
40.0 C	8,550	9,700	11,800	14,200	17,000	20,200	23,900	25,500
(18.1) P	4,790	4,930	5,150	5,350	5,550	5,700	5,800	5,850
A	8.9	9.0	9.3	9.5	9.7	9.8	10.0	10.0
M	66	75	92	112	135	163	195	210
E	1.8	2.0	2.3	2.7	3.1	3.6	4.1	4.4
%	65.4	66.9	68.8	70.0	70.4	69.8	68.1	67.1
35.0 C	9,200	10,400	12,650	15,300	18,300	21,700	25,600	27,400
(16.1) P	4,390	4,520	4,720	4,910	5,050	5,200	5,300	5,350
A	8.5	8.6	8.8	9.0	9.1	9.3	9.4	9.5
M	66	75	92	112	136	164	197	211
E	2.1	2.3	2.7	3.1	3.6	4.2	4.8	5.1
%	67.2	68.5	69.9	70.4	70.0	68.4	65.5	63.9
25.0 C	10,450	11,800	14,300	17,200	20,700	24,600	29,000	
(12.4) P	3,720	3,820	3,980	4,130	4,250	4,360	4,430	
A	7.8	7.9	8.1	8.2	8.3	8.4	8.5	
M	68	77	94	114	138	166	199	
E	2.8	3.1	3.6	4.2	4.9	5.6	6.6	
%	69.3	69.6	69.5	68.1	65.5	61.1	54.8	
15.0 C	11,900	13,300	16,000	19,300	23,000			
(9.4) P	3,200	3,270	3,400	3,510	3,600			
A	7.4	7.5	7.6	7.6	7.7			
M	70	79	96	116	140			
E	3.7	4.1	4.7	5.5	6.4			
%	68.1	67.0	64.3	60.1	54.0			
10.0 C	12,700	14,200	17,000	20,300				
(8.2) P	2,990	3,060	3,160	3,260				
A	7.3	7.4	7.4	7.5				
M	72	81	97	117				
E	4.3	4.6	5.4	6.2				
%	65.7	63.7	59.3	53.2				

C: Capacity (W), P: Power (W), A: Current (Amps), M: Mass Flow (gm/s), E: COP, %: Isentropic Efficiency (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 400 V