Rating Conditions

65 °F Return Gas

0 F Subcooling

95 °F Ambient Air Over

60 Hz Operation

MEDIUM TEMPERATURE

Blue Area Restrictions: 20°F Max Superheat

ZB58KCE-TFD

HFC-404A

COPELAND SCROLL®

TFD 460-3-60

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

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

		-10.0 (24)	0.0 (33)	10.0 (43)	15.0 (49)	20.0 (55)	25.0 (62)	30.0 (69)	35.0 (77)	45.0 (94)
140.0 (402)	C					43,400	48,700	54,300	60,200	73,400
	P					10,550	10,600	10,600	10,600	10,600
	A					15.5	15.5	15.6	15.6	15.6
	M					1,130	1,280	1,445	1,620	2,030
	E					4.1	4.6	5.2	5.7	6.9
	%					55.0	58.0	60.7	63.0	67.1
130.0 (354)	C			40,200	45,500	50,900	56,600	62,700	69,200	83,700
	P			9,350	9,370	9,400	9,430	9,450	9,470	9,480
	A			14.0	14.1	14.1	14.2	14.2	14.2	14.2
	M			916	1,040	1,175	1,320	1,475	1,645	2,040
	E			4.3	4.9	5.4	6.0	6.7	7.3	8.9
	%			54.0	57.2	60.0	62.3	64.3	66.1	68.9
120.0 (310)	C		35,900	46,400	51,900	57,700	63,800	70,400	77,500	93,500
	P		8,260	8,310	8,340	8,380	8,410	8,440	8,460	8,470
	A		12.8	12.8	12.9	12.9	13.0	13.0	13.1	13.1
	M		734	958	1,080	1,210	1,350	1,500	1,670	2,060
	E		4.4	5.6	6.2	6.9	7.6	8.4	9.2	11.1
	%		52.5	59.3	61.8	63.9	65.7	67.1	68.3	69.8
110.0 (270)	C	30,800	41,000	51,800	57,600	63,800	70,500	77,600	85,400	103,000
	P	7,280	7,320	7,390	7,430	7,480	7,520	7,550	7,570	7,590
	A	11.7	11.7	11.8	11.9	11.9	12.0	12.0	12.1	12.1
	M	575	771	984	1,100	1,230	1,365	1,520	1,685	2,070
	E	4.3	5.6	7.0	7.8	8.6	9.4	10.3	11.3	13.6
	%	49.8	57.9	63.3	65.2	66.7	67.9	68.7	69.3	69.5
100.0 (235)	C	35,000	45,300	56,600	62,800	69,400	76,600	84,400	92,800	112,000
	P	6,430	6,490	6,590	6,640	6,680	6,730	6,770	6,790	6,800
	A	10.8	10.9	11.0	11.0	11.1	11.1	11.2	11.2	11.2
	M	608	793	1,000	1,115	1,240	1,380	1,530	1,695	2,090
	E	5.5	7.0	8.6	9.5	10.4	11.4	12.5	13.7	16.5
	%	55.5	62.1	66.1	67.4	68.2	68.8	68.9	68.8	67.4
80.0 (173)	C	41,700	52,500	65,000	72,100	79,700	88,100	97,200	107,000	130,000
	P	5,050	5,150	5,270	5,330	5,390	5,430	5,470	5,490	5,480
	A	9.4	9.5	9.7	9.7	9.8	9.8	9.8	9.9	9.8
	M	639	811	1,010	1,130	1,255	1,395	1,550	1,720	2,120
	E	8.3	10.2	12.4	13.5	14.8	16.2	17.8	19.5	23.7
	%	62.9	66.2	67.3	67.1	66.5	65.5	64.0	62.0	56.2
70.0 (147)	C	44,400	55,600	68,800	76,400	84,600	93,600	103,500	114,000	
	P	4,490	4,610	4,740	4,800	4,860	4,900	4,930	4,950	
	A	8.9	9.0	9.2	9.2	9.3	9.3	9.3	9.4	
	M	645	813	1,015	1,130	1,260	1,400	1,560	1,730	
	E	9.9	12.1	14.5	15.9	17.4	19.1	21.0	23.1	
	%	64.4	66.0	65.4	64.4	62.9	60.8	58.2	54.9	
50.0 (104)	C	49,100	61,400	76,300	85,000					
	P	3,590	3,730	3,870	3,920					
	A	8.2	8.3	8.4	8.5					
	M	647	814	1,020	1,140					
	E	13.7	16.5	19.8	21.7					
	%	62.7	60.4	55.7	52.4					

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

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