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

ZB50KCE-TF5

HFC-404A

COPELAND SCROLL®

TF5 200/230-3-60

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					38,300	43,700	49,200	54,800	66,800
	P					9,480	9,460	9,440	9,430	9,380
	A					27.8	27.7	27.7	27.6	27.5
	M					997	1,150	1,305	1,475	1,850
	E					4.1	4.6	5.2	5.8	7.1
	%					54.1	58.2	61.6	64.4	69.1
130.0 (354)	C			34,800	40,200	45,700	51,200	56,900	62,900	76,000
	P			8,440	8,430	8,420	8,420	8,420	8,420	8,390
	A			25.3	25.2	25.2	25.2	25.2	25.2	25.1
	M			791	923	1,055	1,195	1,340	1,495	1,855
	E			4.1	4.8	5.5	6.1	6.8	7.5	9.1
	%			51.7	56.4	60.1	63.1	65.5	67.5	70.7
120.0 (310)	C		30,100	41,200	46,600	52,200	57,900	63,900	70,300	84,700
	P		7,500	7,470	7,480	7,490	7,500	7,510	7,510	7,490
	A		23.0	23.0	23.0	23.0	23.0	23.1	23.1	23.0
	M		615	850	970	1,095	1,220	1,360	1,515	1,865
	E		4.0	5.5	6.3	7.0	7.7	8.5	9.4	11.3
	%		48.4	58.5	62.0	64.7	66.8	68.5	69.8	71.6
110.0 (270)	C	24,600	35,800	46,600	52,100	57,900	63,900	70,300	77,300	93,100
	P	6,650	6,600	6,610	6,630	6,660	6,680	6,700	6,710	6,690
	A	21.1	21.0	21.0	21.1	21.1	21.2	21.2	21.2	21.2
	M	459	673	886	997	1,115	1,240	1,375	1,525	1,875
	E	3.7	5.4	7.1	7.9	8.7	9.6	10.5	11.6	14.0
	%	43.5	56.1	63.7	66.1	68.0	69.3	70.2	70.8	71.3
100.0 (235)	C	29,800	40,500	51,300	57,000	63,000	69,400	76,400	84,000	101,500
	P	5,830	5,820	5,860	5,890	5,920	5,950	5,980	5,990	5,960
	A	19.3	19.3	19.4	19.5	19.5	19.6	19.6	19.7	19.6
	M	517	708	906	1,010	1,125	1,250	1,385	1,535	1,890
	E	5.1	7.0	8.8	9.7	10.7	11.7	12.8	14.0	17.0
	%	52.1	61.8	67.2	68.8	69.8	70.4	70.6	70.6	69.6
80.0 (173)	C	37,400	47,700	59,000	65,300	72,100	79,700	87,900	97,100	118,500
	P	4,500	4,550	4,640	4,680	4,720	4,750	4,770	4,780	4,720
	A	16.6	16.7	16.9	17.0	17.1	17.2	17.2	17.2	17.1
	M	574	736	918	1,020	1,135	1,260	1,400	1,560	1,930
	E	8.3	10.5	12.7	14.0	15.3	16.8	18.4	20.3	25.1
	%	63.3	68.0	69.5	69.3	68.7	67.7	66.3	64.5	59.4
70.0 (147)	C	40,200	50,500	62,300	69,100	76,500	84,700	93,800	104,000	
	P	3,970	4,050	4,140	4,190	4,230	4,260	4,270	4,270	
	A	15.6	15.8	16.0	16.1	16.2	16.2	16.2	16.2	
	M	584	738	919	1,025	1,140	1,270	1,415	1,575	
	E	10.1	12.5	15.1	16.5	18.1	19.9	22.0	24.4	
	%	66.0	68.3	67.8	66.8	65.3	63.4	60.9	57.9	
50.0 (104)	C	44,500	55,500	69,000	76,900					
	P	3,160	3,250	3,350	3,390					
	A	14.3	14.5	14.7	14.7					
	M	587	737	922	1,030					
	E	14.1	17.1	20.6	22.7					
	%	64.7	62.7	58.1	54.9					

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 @ 230 V

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Autogenerated Compressor Performance

07-853