

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

ZB45KCE-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)					33,700	37,400	41,400	45,600	55,000
C					8,000	8,000	8,000	8,000	7,950
P					22.7	22.7	22.7	22.7	22.6
A					880	985	1,100	1,230	1,530
M					4.2	4.7	5.2	5.7	6.9
E					56.5	59.0	61.3	63.5	67.3
%									
130.0 (354)			31,600	35,100	38,900	43,100	47,500	52,500	63,000
C			7,050	7,100	7,100	7,100	7,100	7,050	7,050
P			20.5	20.5	20.5	20.5	20.5	20.5	20.4
A			720	805	900	1,000	1,120	1,240	1,540
M			4.5	5.0	5.5	6.1	6.7	7.4	8.9
E			56.0	58.5	60.9	63.1	65.1	66.9	69.7
%									
120.0 (310)		28,600	35,700	39,600	43,900	48,500	53,500	58,500	70,500
C		6,250	6,250	6,250	6,250	6,250	6,250	6,250	6,250
P		18.5	18.5	18.6	18.6	18.6	18.6	18.6	18.5
A		585	735	825	920	1,020	1,140	1,260	1,550
M		4.6	5.7	6.3	7.0	7.7	8.5	9.4	11.3
E		55.4	60.6	62.9	65.1	66.9	68.6	69.9	71.6
%									
110.0 (270)	25,300	31,800	39,600	43,900	48,600	53,500	59,000	65,000	77,500
C	5,500	5,500	5,550	5,550	5,550	5,550	5,550	5,550	5,500
P	16.8	16.8	16.9	16.9	17.0	17.0	17.0	16.9	16.9
A	471	600	755	840	935	1,040	1,150	1,280	1,570
M	4.6	5.8	7.2	7.9	8.8	9.7	10.7	11.7	14.1
E	54.2	59.9	64.7	66.8	68.6	70.1	71.3	72.0	72.3
%									
100.0 (235)	27,700	34,900	43,300	48,100	53,000	58,500	64,500	71,000	85,000
C	4,830	4,860	4,880	4,890	4,900	4,900	4,900	4,890	4,860
P	15.4	15.4	15.5	15.5	15.6	15.6	15.6	15.6	15.5
A	481	610	765	855	950	1,060	1,170	1,300	1,580
M	5.7	7.2	8.9	9.8	10.9	12.0	13.2	14.5	17.5
E	58.5	63.9	68.2	70.0	71.3	72.3	72.8	72.9	71.4
%									
80.0 (173)	32,200	40,500	50,500	56,000	62,000	68,000	75,000	82,500	98,500
C	3,750	3,780	3,810	3,820	3,820	3,820	3,820	3,810	3,780
P	13.2	13.3	13.4	13.4	13.4	13.4	13.4	13.4	13.4
A	494	625	785	875	975	1,080	1,200	1,320	1,610
M	8.6	10.7	13.2	14.6	16.2	17.8	19.7	21.6	26.1
E	65.5	69.7	72.2	72.8	72.7	72.1	70.8	68.7	61.9
%									
70.0 (147)	34,300	43,200	53,500	59,500	66,000	73,000	80,000	88,000	
C	3,300	3,340	3,360	3,370	3,380	3,380	3,370	3,360	
P	12.4	12.5	12.6	12.6	12.6	12.6	12.7	12.7	
A	499	630	790	885	980	1,090	1,210	1,330	
M	10.4	12.9	16.0	17.7	19.5	21.6	23.8	26.2	
E	67.7	70.9	72.0	71.6	70.6	68.7	66.0	62.3	
%									
50.0 (104)	38,400	48,400	60,500	67,000					
C	2,570	2,600	2,630	2,630					
P	11.2	11.3	11.4	11.5					
A	505	640	805	900					
M	14.9	18.6	23.0	25.5					
E	68.5	68.3	64.8	61.6					
%									

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