

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

ZB15KQE-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 (28.7) C P A M E %						2,630	3,200	3,850	4,150
						2,710	2,610	2,520	2,490
						4.4	4.3	4.2	4.1
						30	37	45	49
						1.0	1.2	1.5	1.7
						42.7	48.4	53.5	55.3
55.0 (25.7) C P A M E %				2,530	3,100	3,750	4,500	4,800	
				2,440	2,340	2,260	2,200	2,180	
				4.0	3.9	3.8	3.7	3.7	
				25	31	39	47	51	
				1.0	1.3	1.7	2.1	2.2	
			43.1	49.2	54.7	59.1	60.5		
50.0 (23) C P A M E %			2,355	2,950	3,550	4,300	5,100	5,500	
			2,180	2,100	2,030	1,970	1,920	1,910	
			3.7	3.6	3.5	3.4	3.4	3.4	
			21	27	33	40	49	53	
			1.1	1.4	1.8	2.2	2.7	2.9	
		43.1	49.5	55.4	60.4	64.1	65.0		
45.0 (20.4) C P A M E %	1,810	2,120	2,680	3,300	4,000	4,800	5,750	6,100	
	1,960	1,930	1,880	1,820	1,770	1,720	1,690	1,680	
	3.4	3.4	3.3	3.2	3.2	3.1	3.1	3.1	
	15	18	22	28	34	42	50	54	
	0.9	1.1	1.4	1.8	2.3	2.8	3.4	3.6	
38.4	42.6	49.4	55.6	61.1	65.4	67.9	68.3		
40.0 (18.1) C P A M E %	2,065	2,390	3,000	3,650	4,450	5,300	6,300	6,750	
	1,690	1,670	1,630	1,590	1,550	1,510	1,490	1,490	
	3.1	3.1	3.0	3.0	2.9	2.9	2.9	2.9	
	16	18	23	29	35	43	52	56	
	1.2	1.4	1.8	2.3	2.9	3.5	4.2	4.5	
44.8	48.8	55.2	60.9	65.8	69.1	70.3	70.0		
35.0 (16.1) C P A M E %	2,300	2,645	3,300	4,000	4,850	5,800	6,900	7,350	
	1,460	1,450	1,420	1,390	1,360	1,330	1,310	1,310	
	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.7	
	17	19	24	30	36	44	53	57	
	1.6	1.8	2.3	2.9	3.6	4.4	5.2	5.6	
50.6	54.3	60.1	65.3	69.3	71.4	71.0	69.9		
25.0 (12.4) C P A M E %	2,710	3,100	3,800	4,650	5,600	6,700	7,950		
	1,120	1,120	1,110	1,080	1,050	1,020	1,000		
	2.5	2.5	2.4	2.4	2.4	2.4	2.4		
	18	20	25	31	37	45	55		
	2.4	2.8	3.4	4.3	5.3	6.5	7.9		
59.3	62.0	66.3	69.8	71.7	70.9	66.3			
15.0 (9.4) C P A M E %	3,050	3,450	4,250	5,200	6,250				
	892	887	863	825	781				
	2.3	2.3	2.2	2.2	2.2				
	18	21	25	31	38				
	3.4	3.9	4.9	6.3	8.0				
62.5	64.3	67.0	68.7	67.9					
10.0 (8.2) C P A M E %	3,200	3,600	4,450	5,450					
	794	783	748	698					
	2.2	2.2	2.1	2.1					
	18	21	25	31					
	4.0	4.6	5.9	7.8					
62.1	63.5	65.6	66.3						

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