

Rating Conditions

11.1 K Superheat
 8.3 K Subcooling
 35 °C Ambient Air Over

50 Hz Operation

AIR CONDITIONING

ZP42KUE-PFZ

HFC-410A
 COPELAND SCROLL®
 PFZ 220/240-1-50

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

	-23.0 (3.6)	-19.0 (4.1)	-14.0 (5)	-10.0 (5.7)	-5.0 (6.8)	0.0 (8)	4.0 (9)	8.0 (10.2)	13.0 (11.8)
61.0 (39.2) C P A M E %						6,900	8,150	9,450	11,300
						4,030	4,020	4,000	3,970
						20.3	20.1	19.8	19.5
						49	57	65	77
						1.7	2.0	2.4	2.9
					57.6	61.5	64.7	67.7	
56.0 (35.1) C P A M E %					6,200	7,650	8,900	10,300	12,250
					3,600	3,590	3,570	3,550	3,530
					18.5	18.1	17.9	17.6	17.2
					41	50	58	66	78
					1.7	2.1	2.5	2.9	3.5
				56.7	61.8	65.1	67.7	69.7	
51.0 (31.3) C P A M E %				5,450	6,800	8,250	9,600	11,050	13,100
				3,230	3,220	3,210	3,190	3,180	3,150
				16.9	16.6	16.2	16.0	15.7	15.4
				35	42	51	59	67	79
				1.7	2.1	2.6	3.0	3.5	4.2
			55.0	60.3	64.6	67.3	69.2	70.3	
46.0 (27.9) C P A M E %			4,950	5,900	7,300	8,850	10,200	11,750	13,850
			2,910	2,910	2,900	2,890	2,870	2,850	2,820
			15.5	15.2	14.9	14.6	14.4	14.2	13.8
			30	35	43	52	59	67	79
			1.7	2.0	2.5	3.1	3.6	4.1	4.9
		53.7	58.0	62.6	66.1	68.1	69.3	69.2	
41.0 (24.8) C P A M E %		4,250	5,350	6,300	7,750	9,350	10,800	12,400	14,600
		2,630	2,640	2,630	2,620	2,610	2,590	2,560	2,520
		14.0	13.7	13.5	13.4	13.2	13.0	12.8	12.5
		25	31	36	43	52	59	68	79
		1.6	2.0	2.4	3.0	3.6	4.2	4.8	5.8
	50.9	56.2	59.9	63.7	66.4	67.7	67.9	66.5	
36.0 (21.9) C P A M E %	3,750	4,550	5,650	6,700	8,150	9,850	11,350	13,000	15,300
	2,370	2,380	2,390	2,390	2,370	2,350	2,320	2,290	2,250
	12.1	12.0	12.0	11.9	11.8	11.8	11.7	11.6	11.4
	21	25	31	36	44	52	60	68	79
	1.6	1.9	2.4	2.8	3.4	4.2	4.9	5.7	6.8
49.2	53.2	57.7	60.8	63.9	65.7	66.1	65.3	62.3	
32.0 (19.8) C P A M E %	4,000	4,800	5,950	7,000	8,500	10,250	11,800	13,500	15,900
	2,190	2,200	2,200	2,200	2,180	2,150	2,120	2,080	2,030
	10.4	10.4	10.5	10.5	10.6	10.6	10.7	10.6	10.5
	22	26	31	36	44	52	60	68	80
	1.8	2.2	2.7	3.2	3.9	4.8	5.6	6.5	7.9
51.2	54.7	58.6	61.2	63.6	64.6	64.2	62.4	57.7	
27.0 (17.4) C P A M E %	4,300	5,100	6,250	7,350	8,900	10,700	12,350	14,150	16,700
	1,970	1,980	1,980	1,960	1,940	1,900	1,860	1,810	1,740
	8.0	8.2	8.5	8.7	8.9	9.2	9.3	9.4	9.5
	22	26	32	37	44	53	60	68	80
	2.2	2.6	3.2	3.8	4.6	5.6	6.6	7.8	9.6
53.8	56.6	59.7	61.6	63.0	62.9	61.2	57.8	50.3	

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 @ 220 V