

Rating Conditions

20 °F Superheat
 0 F Subcooling
 95 °F Ambient Air Over

60 Hz Operation

HIGH TEMPERATURE

ZS21KAE-PFV

HCFC-22
 COPELAND SCROLL®
 PFV 208/230-1-60

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

	0.0 (24)	5.0 (28)	15.0 (38)	20.0 (43)	30.0 (55)	40.0 (69)	45.0 (76)	55.0 (93)
150.0 (382) C P A M E %					23,200	28,400	31,300	38,000
					3,810	4,050	4,140	4,260
					18.6	19.8	20.3	20.8
					426	512	560	668
					6.1	7.0	7.6	8.9
					66.3	67.0	67.3	68.7
135.0 (317) C P A M E %				21,000	26,000	31,700	34,900	42,300
				3,150	3,350	3,530	3,600	3,660
				15.4	16.3	17.3	17.6	17.7
				358	435	521	570	679
				6.7	7.8	9.0	9.7	11.6
			67.6	68.7	68.7	68.8	69.8	
120.0 (260) C P A M E %			21,000	23,400	28,800	35,000	38,500	46,600
			2,670	2,740	2,900	3,050	3,090	3,100
			13.1	13.4	14.2	14.8	15.0	14.9
			331	366	443	531	580	692
			7.9	8.6	10.0	11.5	12.5	15.1
		69.5	70.5	70.6	69.6	69.3	69.6	
110.0 (226) C P A M E %	15,350	17,600	22,400	24,900	30,600	37,200	40,900	49,400
	2,390	2,370	2,420	2,480	2,620	2,740	2,780	2,750
	11.9	11.7	11.9	12.1	12.8	13.4	13.5	13.2
	236	269	336	371	448	537	587	701
	6.4	7.5	9.3	10.1	11.7	13.6	14.7	18.0
61.3	66.4	71.4	71.9	71.0	69.2	68.4	67.9	
100.0 (196) C P A M E %	16,500	18,800	23,700	26,400	32,300	39,300	43,200	52,300
	2,150	2,130	2,180	2,230	2,360	2,470	2,490	2,430
	10.8	10.6	10.7	11.0	11.6	12.1	12.2	11.8
	241	273	340	375	453	543	594	709
	7.7	8.8	10.9	11.8	13.7	15.9	17.4	21.5
64.1	68.6	72.5	72.5	70.4	67.5	66.2	64.4	
80.0 (144) C P A M E %	18,450	20,900	26,200	29,100	35,600	43,400	47,800	57,900
	1,735	1,715	1,765	1,815	1,925	2,000	2,000	1,900
	9.0	8.8	9.0	9.2	9.9	10.3	10.3	9.8
	248	279	344	380	460	552	605	724
	10.7	12.2	14.9	16.1	18.5	21.7	23.9	30.5
66.9	70.2	71.1	69.5	64.1	57.8	54.6	48.0	
60.0 (102) C P A M E %	19,950	22,500	28,200	31,400				
	1,405	1,400	1,460	1,510				
	7.8	7.8	8.1	8.5				
	248	278	344	381				
	14.2	16.1	19.3	20.8				
63.4	64.6	60.9	57.0					
40.0 (69) C P A M E %	20,800							
	1,200							
	7.7							
	242							
	17.4							
49.3								

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