

Rating Conditions

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

60 Hz Operation

**HIGH
 TEMPERATURE**

ZS13KAE-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)					12,950	15,850	17,450	21,200
C					2,360	2,510	2,570	2,640
P					10.4	11.1	11.3	11.6
A					237	286	312	373
M					5.5	6.3	6.8	8.0
E					59.7	60.3	60.6	61.9
%								
135.0 (317)				11,750	14,500	17,700	19,450	23,600
C				1,950	2,070	2,190	2,230	2,260
P				8.6	9.1	9.6	9.8	9.9
A				199	242	291	318	379
M				6.0	7.0	8.1	8.8	10.4
E				60.9	61.9	61.9	62.0	62.9
%								
120.0 (260)			11,700	13,050	16,050	19,500	21,500	26,000
C			1,655	1,695	1,795	1,885	1,915	1,915
P			7.3	7.5	7.9	8.3	8.4	8.3
A			184	204	247	296	324	386
M			7.1	7.7	9.0	10.4	11.2	13.6
E			62.6	63.6	63.6	62.7	62.4	62.7
%								
110.0 (226)	8,550	9,820	12,500	13,900	17,050	20,700	22,800	27,600
C	1,480	1,465	1,495	1,535	1,620	1,700	1,720	1,700
P	6.7	6.5	6.6	6.8	7.2	7.5	7.6	7.4
A	131	150	187	207	250	300	328	391
M	5.8	6.7	8.4	9.1	10.5	12.2	13.3	16.2
E	55.2	59.8	64.3	64.8	64.0	62.3	61.6	61.2
%								
100.0 (196)	9,190	10,500	13,250	14,700	18,050	21,900	24,100	29,200
C	1,335	1,320	1,350	1,385	1,465	1,525	1,540	1,505
P	6.1	5.9	6.0	6.1	6.5	6.8	6.8	6.6
A	135	152	189	209	253	303	331	395
M	6.9	8.0	9.8	10.7	12.3	14.4	15.7	19.4
E	57.7	61.8	65.4	65.4	63.5	60.8	59.6	58.0
%								
80.0 (144)	10,300	11,650	14,600	16,200	19,850	24,200	26,600	32,300
C	1,075	1,065	1,090	1,125	1,195	1,240	1,240	1,175
P	5.0	4.9	5.0	5.2	5.5	5.7	5.7	5.4
A	138	155	192	212	256	308	337	404
M	9.6	11.0	13.4	14.5	16.7	19.6	21.5	27.5
E	60.2	63.2	64.1	62.6	57.8	52.1	49.2	43.2
%								
60.0 (102)	11,100	12,550	15,750	17,500				
C	873	868	905	937				
P	4.4	4.3	4.5	4.7				
A	138	155	192	212				
M	12.8	14.5	17.4	18.7				
E	56.9	58.0	54.8	51.3				
%								
40.0 (69)	11,650							
C	748							
P	4.3							
A	135							
M	15.6							
E	44.2							
%								

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