

Rating Conditions

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

60 Hz Operation

**HIGH
 TEMPERATURE**

ZS09KAE-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					9,560	11,700	12,900	15,650
	P					1,745	1,850	1,895	1,950
	A					7.7	8.2	8.4	8.6
	M					176	211	231	275
	E					5.5	6.3	6.8	8.0
	%					59.7	60.3	60.6	61.9
135.0 (317)	C				8,680	10,700	13,050	14,400	17,400
	P				1,445	1,530	1,615	1,650	1,675
	A				6.4	6.8	7.1	7.3	7.3
	M				147	179	215	235	280
	E				6.0	7.0	8.1	8.8	10.4
	%				60.9	61.9	61.9	62.0	62.9
120.0 (260)	C			8,640	9,650	11,850	14,450	15,900	19,200
	P			1,225	1,255	1,325	1,395	1,415	1,420
	A			5.4	5.5	5.9	6.1	6.2	6.1
	M			136	151	183	219	239	285
	E			7.1	7.7	9.0	10.4	11.2	13.6
	%			62.6	63.6	63.6	62.7	62.4	62.6
110.0 (226)	C	6,320	7,260	9,230	10,300	12,600	15,300	16,850	20,400
	P	1,090	1,080	1,105	1,135	1,200	1,255	1,270	1,260
	A	4.9	4.8	4.9	5.0	5.3	5.5	5.6	5.5
	M	97	111	138	153	185	221	242	289
	E	5.8	6.7	8.4	9.1	10.5	12.2	13.3	16.2
	%	55.3	59.8	64.3	64.8	64.0	62.3	61.6	61.1
100.0 (196)	C	6,790	7,750	9,780	10,900	13,350	16,200	17,850	21,600
	P	984	975	997	1,020	1,080	1,130	1,140	1,115
	A	4.5	4.4	4.4	4.5	4.8	5.0	5.0	4.9
	M	99	113	140	155	187	224	245	292
	E	6.9	8.0	9.8	10.7	12.3	14.4	15.7	19.4
	%	57.8	61.9	65.4	65.4	63.5	60.8	59.6	57.9
80.0 (144)	C	7,600	8,610	10,800	12,000	14,700	17,900	19,700	23,900
	P	794	786	808	831	882	916	918	873
	A	3.7	3.6	3.7	3.8	4.1	4.3	4.3	4.0
	M	102	115	142	157	189	228	249	299
	E	9.6	11.0	13.4	14.5	16.7	19.5	21.5	27.4
	%	60.2	63.2	64.0	62.6	57.8	52.1	49.1	43.0
60.0 (102)	C	8,220	9,280	11,650	12,950				
	P	646	642	670	693				
	A	3.2	3.2	3.4	3.5				
	M	102	115	142	157				
	E	12.8	14.5	17.4	18.7				
	%	56.9	58.0	54.7	51.2				
40.0 (69)	C	8,590							
	P	555							
	A	3.2							
	M	100							
	E	15.5							
	%	44.0							

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