

Rating Conditions

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

60 Hz Operation

**HIGH
TEMPERATURE**

ZS19KAE-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					17,250	21,100	23,300	28,300
	P					3,150	3,340	3,430	3,520
	A					13.9	14.8	15.1	15.5
	M					317	381	417	498
	E					5.5	6.3	6.8	8.0
	%					59.8	60.4	60.7	61.9
135.0 (317)	C				15,650	19,350	23,600	26,000	31,500
	P				2,610	2,760	2,920	2,980	3,020
	A				11.5	12.2	12.9	13.1	13.2
	M				266	324	388	424	506
	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			15,600	17,450	21,400	26,100	28,700	34,700
	P			2,210	2,260	2,400	2,520	2,560	2,560
	A			9.7	10.0	10.6	11.1	11.2	11.1
	M			246	273	330	395	432	515
	E			7.1	7.7	9.0	10.4	11.2	13.6
	%			62.6	63.5	63.6	62.7	62.4	62.7
110.0 (226)	C	11,400	13,100	16,650	18,550	22,800	27,700	30,500	36,800
	P	1,975	1,955	2,000	2,050	2,170	2,270	2,300	2,270
	A	8.9	8.7	8.8	9.0	9.6	10.0	10.1	9.8
	M	175	200	250	276	334	400	437	522
	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	61.7	61.2
100.0 (196)	C	12,250	14,000	17,650	19,650	24,100	29,300	32,200	38,900
	P	1,780	1,760	1,800	1,845	1,955	2,040	2,060	2,010
	A	8.1	7.9	8.0	8.2	8.7	9.0	9.1	8.8
	M	180	204	253	279	337	404	442	528
	E	6.9	8.0	9.8	10.7	12.3	14.4	15.7	19.4
	%	57.7	61.8	65.4	65.3	63.5	60.8	59.6	58.0
80.0 (144)	C	13,750	15,550	19,500	21,700	26,500	32,300	35,600	43,100
	P	1,435	1,420	1,460	1,500	1,590	1,655	1,655	1,570
	A	6.7	6.6	6.7	6.9	7.3	7.7	7.7	7.3
	M	185	208	256	283	342	411	451	539
	E	9.6	11.0	13.4	14.5	16.7	19.6	21.5	27.5
	%	60.3	63.3	64.1	62.6	57.8	52.1	49.2	43.2
60.0 (102)	C	14,850	16,750	21,000	23,400				
	P	1,160	1,155	1,205	1,250				
	A	5.8	5.8	6.1	6.3				
	M	185	207	256	283				
	E	12.8	14.5	17.4	18.7				
	%	57.1	58.2	54.8	51.3				
40.0 (69)	C	15,500							
	P	992							
	A	5.8							
	M	180							
	E	15.7							
	%	44.4							

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