

Rating Conditions

40 °F Return Gas
0 F Subcooling
95 °F Ambient Air Over

60 Hz Operation

**EXTENDED MEDIUM
TEMPERATURE**

**HFCs Require Use of Polyol Ester
Lubricant Approved on Form 93-11**

Refer AE-1298 for restrictions

CS27K6E-PFV

COPELAWELD® HFC-404A

COMPRESSOR

PFV 208/230-1-60

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

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

		-25.0 (13)	-15.0 (20)	-10.0 (24)	-5.0 (28)	0.0 (33)	5.0 (38)	10.0 (43)	15.0 (49)	20.0 (55)	25.0 (62)	30.0 (69)
140.0 (402)	C			6,010	7,360	8,960	10,800	12,900	15,300	17,900	20,900	24,100
	P			2,380	2,680	2,990	3,320	3,660	4,000	4,340	4,680	5,000
	A			12.8	13.9	15.1	16.3	17.7	19.1	20.5	22.0	23.4
	M			173	213	262	319	385	461	545	645	755
	E			2.5	2.7	3.0	3.3	3.5	3.8	4.1	4.5	4.8
	%			51.0	52.6	54.3	55.8	57.2	58.4	59.5	60.4	61.1
130.0 (354)	C		6,930	8,360	10,100	12,000	14,300	16,800	19,700	22,800	26,200	30,000
	P		2,320	2,580	2,860	3,150	3,450	3,760	4,070	4,380	4,680	4,970
	A		12.6	13.5	14.5	15.7	16.9	18.1	19.4	20.7	21.9	23.2
	M		174	211	255	308	368	438	515	605	705	820
	E		3.0	3.2	3.5	3.8	4.1	4.5	4.8	5.2	5.6	6.0
	%		53.2	54.5	55.9	57.3	58.4	59.5	60.3	61.0	61.5	61.9
120.0 (310)	C	6,080	8,750	10,500	12,600	14,900	17,600	20,600	23,900	27,600	31,600	35,900
	P	2,000	2,430	2,680	2,940	3,220	3,500	3,780	4,060	4,330	4,590	4,840
	A	11.6	13.0	13.9	14.9	15.9	17.0	18.2	19.3	20.5	21.6	22.6
	M	136	197	239	287	343	408	481	565	655	760	870
	E	3.0	3.6	3.9	4.3	4.6	5.0	5.5	5.9	6.4	6.9	7.4
	%	51.7	54.5	56.0	57.4	58.7	59.8	60.6	61.3	61.8	62.0	62.2
110.0 (270)	C	7,160	10,500	12,600	15,000	17,800	20,900	24,400	28,200	32,400	36,900	41,800
	P	2,040	2,470	2,710	2,960	3,220	3,480	3,730	3,980	4,220	4,440	4,650
	A	11.7	13.1	14.0	14.9	15.9	16.9	18.0	19.0	20.0	21.0	21.8
	M	146	215	260	313	373	441	520	605	700	805	920
	E	3.5	4.2	4.6	5.1	5.5	6.0	6.5	7.1	7.7	8.3	9.0
	%	51.4	55.0	56.7	58.2	59.4	60.4	61.2	61.7	62.0	62.1	62.0
100.0 (235)	C	8,160	12,100	14,600	17,500	20,700	24,200	28,200	32,500	37,200	42,300	47,800
	P	2,040	2,460	2,690	2,930	3,170	3,410	3,640	3,860	4,060	4,250	4,410
	A	11.6	13.0	13.9	14.8	15.7	16.7	17.6	18.5	19.4	20.2	20.8
	M	154	231	279	335	399	471	550	640	740	850	970
	E	4.0	4.9	5.4	6.0	6.5	7.1	7.7	8.4	9.2	10.0	10.8
	%	51.1	55.4	57.1	58.6	59.8	60.7	61.3	61.7	61.8	61.7	61.3
90.0 (202)	C	9,180	13,800	16,700	20,000	23,600	27,700	32,100	37,000	42,200	47,900	54,000
	P	1,990	2,410	2,640	2,860	3,090	3,310	3,510	3,710	3,880	4,030	4,150
	A	11.4	12.9	13.7	14.5	15.4	16.3	17.1	17.9	18.6	19.2	19.7
	M	162	245	297	357	425	500	585	675	780	890	1,010
	E	4.6	5.7	6.3	7.0	7.6	8.4	9.1	10.0	10.9	11.9	13.0
	%	51.2	55.7	57.4	58.8	59.8	60.5	60.9	61.0	60.8	60.4	59.8
80.0 (173)	C	10,300	15,700	19,000	22,700	26,800	31,300	36,300	41,700	47,500	54,000	60,500
	P	1,930	2,350	2,570	2,790	3,000	3,200	3,380	3,550	3,690	3,810	3,890
	A	11.2	12.7	13.4	14.3	15.1	15.8	16.6	17.2	17.8	18.3	18.6
	M	170	261	316	380	451	530	620	715	820	935	1,060
	E	5.3	6.7	7.4	8.1	8.9	9.8	10.7	11.7	12.9	14.1	15.6
	%	51.6	55.9	57.4	58.5	59.2	59.6	59.7	59.4	58.8	58.0	56.8
70.0 (147)	C	11,600	17,700	21,400	25,600	30,200	35,200	40,700	46,700	53,000	60,000	67,500
	P	1,880	2,300	2,510	2,720	2,910	3,100	3,260	3,400	3,510	3,600	3,640
	A	11.0	12.5	13.2	14.0	14.8	15.5	16.1	16.6	17.1	17.4	17.5
	M	181	278	337	404	479	560	655	755	865	980	1,110
	E	6.2	7.7	8.5	9.4	10.4	11.4	12.5	13.7	15.1	16.7	18.5
	%	51.9	55.5	56.7	57.3	57.6	57.6	57.1	56.3	55.2	53.7	51.8

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