

Rating Conditions

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

60 Hz Operation

AIR CONDITIONING

CR42K6E-PFV

COPELAWELD® HFC-407C - Dew Pt.

COMPRESSOR

PFV 208/230-1-60

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

	-10.0 (12)	0.0 (19)	10.0 (28)	20.0 (38)	30.0 (50)	40.0 (63)	45.0 (71)	50.0 (79)	55.0 (88)
150.0									
C				10,650	17,650	26,000	30,400	35,100	39,800
P				2,260	2,880	3,470	3,740	3,990	4,210
A				12.6	14.6	16.5	17.4	18.2	19.0
M				188	304	435	505	576	648
E				4.7	6.2	7.5	8.2	8.8	9.5
%				57.2	65.1	69.0	69.9	70.3	70.2
(402)									
140.0									
C				14,050	21,500	30,300	35,000	39,800	44,800
P				2,410	2,960	3,460	3,680	3,880	4,050
A				13.1	14.8	16.4	17.2	17.8	18.4
M				229	343	472	541	611	681
E				5.8	7.3	8.8	9.5	10.3	11.1
%				61.0	66.5	69.2	69.8	69.9	69.6
(352)									
130.0									
C			11,000	17,300	25,300	34,500	39,500	44,600	49,800
P			1,995	2,490	2,970	3,390	3,560	3,710	3,830
A			11.9	13.3	14.8	16.1	16.7	17.2	17.6
M			169	263	378	506	574	643	713
E			5.5	7.0	8.6	10.2	11.1	12.0	13.0
%			56.9	63.2	67.3	69.2	69.5	69.4	68.9
(307)									
120.0									
C			13,600	20,500	29,000	38,800	44,100	49,400	54,900
P			2,080	2,510	2,920	3,260	3,390	3,490	3,560
A			12.2	13.4	14.6	15.7	16.1	16.5	16.7
M			199	294	409	538	605	674	743
E			6.6	8.2	10.0	12.0	13.0	14.2	15.5
%			59.7	64.5	67.7	69.0	69.0	68.7	68.1
(266)									
110.0									
C		10,750	16,100	23,600	32,800	43,200	48,700	54,400	60,200
P		1,720	2,110	2,480	2,820	3,080	3,160	3,220	3,230
A		11.3	12.2	13.3	14.3	15.1	15.4	15.6	15.6
M		151	224	322	438	567	635	703	772
E		6.3	7.7	9.5	11.7	14.1	15.4	16.9	18.7
%		57.2	61.1	65.1	67.7	68.5	68.3	67.8	67.0
(229)									
100.0									
C	9,110	12,600	18,650	26,800	36,600	47,700	53,600	59,600	65,700
P	1,430	1,755	2,090	2,410	2,680	2,850	2,900	2,900	2,870
A	10.6	11.3	12.2	13.1	13.9	14.4	14.5	14.5	14.4
M	123.5	170	246	347	465	596	664	733	802
E	6.4	7.2	8.9	11.1	13.7	16.7	18.5	20.6	22.9
%	58.6	58.0	61.7	65.2	67.2	67.5	67.0	66.3	65.2
(196)									
90.0									
C	10,200	14,400	21,200	30,000	40,600	52,400	58,600	64,900	71,400
P	1,460	1,750	2,050	2,310	2,510	2,600	2,600	2,560	2,470
A	10.7	11.3	12.1	12.8	13.4	13.7	13.6	13.5	13.1
M	133.5	185	266	370	492	626	695	765	834
E	7.0	8.3	10.4	13.0	16.2	20.2	22.6	25.4	28.9
%	57.2	57.8	61.5	64.6	66.0	65.7	64.9	63.7	62.2
(167)									
80.0									
C	11,300	16,250	23,800	33,400	44,700	57,300	63,900	70,600	77,400
P	1,465	1,720	1,975	2,180	2,310	2,330	2,280	2,190	2,050
A	10.7	11.2	11.9	12.5	12.8	12.8	12.7	12.3	11.9
M	140	198	284	393	519	656	727	798	868
E	7.7	9.5	12.1	15.3	19.4	24.6	28.1	32.3	37.7
%	54.7	56.7	60.5	63.2	64.0	62.6	61.2	59.2	56.5
(141)									

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