

Rating Conditions

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

60 Hz Operation

AIR CONDITIONING

CRPQ-045E-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				18,800	25,600	35,900	42,000	48,500	55,300
C				3,750	4,570	5,420	5,840	6,250	6,630
P				17.6	21.1	24.8	26.7	28.5	30.1
A				323	443	605	698	796	899
M				5.0	5.6	6.6	7.2	7.8	8.4
E				59.2	59.7	61.4	61.9	62.1	61.9
%									
140.0				20,800	29,800	41,500	48,100	55,400	62,100
C				3,810	4,570	5,340	5,710	6,050	6,360
P				17.9	21.2	24.5	26.1	27.6	29.0
A				341	478	650	745	844	944
M				5.5	6.5	7.8	8.5	9.1	9.8
E				57.6	59.9	61.7	62.0	61.9	61.4
%									
130.0			16,850	24,000	34,600	47,500	54,500	61,600	68,800
C			3,180	3,850	4,560	5,230	5,540	5,820	6,050
P			15.3	18.1	21.1	24.0	25.3	26.5	27.6
A			261	369	518	696	790	887	984
M			5.3	6.3	7.6	9.1	9.9	10.6	11.4
E			55.1	57.2	60.1	61.6	61.6	61.1	60.3
%									
120.0			19,000	28,000	39,900	53,500	60,700	67,800	74,900
C			3,240	3,870	4,540	5,080	5,320	5,530	5,690
P			15.6	18.2	20.9	23.3	24.4	25.3	26.0
A			280	403	561	739	831	924	1,014
M			5.9	7.3	8.9	10.6	11.4	12.3	13.2
E			53.9	57.4	60.1	60.8	60.4	59.5	58.2
%									
110.0		14,950	22,000	32,500	45,300	59,200	66,300	73,300	80,100
C		2,720	3,270	3,860	4,410	4,870	5,050	5,180	5,250
P		13.5	15.7	18.1	20.5	22.4	23.2	23.8	24.1
A		212	306	440	602	776	864	950	1,032
M		5.5	6.8	8.4	10.3	12.2	13.2	14.2	15.3
E		50.6	53.7	57.5	59.4	59.1	58.2	56.9	55.1
%									
100.0	12,280	16,950	25,600	37,100	50,400	64,300	71,200	77,900	84,100
C	2,290	2,750	3,270	3,800	4,260	4,600	4,700	4,750	4,730
P	11.9	13.6	15.7	17.9	19.8	21.3	21.7	21.9	21.9
A	166	228	336	478	638	804	885	962	1,033
M	5.4	6.2	7.8	9.8	11.8	14.0	15.2	16.4	17.8
E	49.4	49.7	53.9	57.1	57.9	56.5	55.0	53.1	50.9
%									
90.0	13,050	19,500	29,400	41,500	54,900	68,500	74,900	81,000	86,600
C	2,280	2,740	3,230	3,680	4,050	4,250	4,270	4,230	4,120
P	11.9	13.6	15.5	17.4	18.9	19.8	19.9	19.8	19.3
A	170	249	367	511	666	819	891	956	1,014
M	5.7	7.2	9.1	11.3	13.6	16.1	17.6	19.2	21.0
E	46.6	49.7	53.8	55.9	55.4	52.7	50.6	48.1	45.3
%									
80.0	14,500	22,300	33,000	45,500	58,600	71,300	77,200	82,500	87,200
C	2,240	2,680	3,120	3,500	3,760	3,820	3,760	3,620	3,410
P	11.7	13.4	15.1	16.7	17.8	18.1	17.8	17.3	16.4
A	180	271	395	537	682	818	878	930	973
M	6.5	8.4	10.6	13.0	15.6	18.7	20.6	22.8	25.6
E	45.9	50.0	53.2	53.7	51.7	47.6	44.8	41.7	38.1
%									

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