

Rating Conditions

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

60 Hz Operation

AIR CONDITIONING

CRNQ-050E-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				20,900	29,600	40,500	46,800	53,700	61,100
P				4,370	5,220	6,030	6,420	6,790	7,130
A				19.7	23.4	27.0	28.7	30.3	31.9
M				366	510	683	780	883	994
E				4.8	5.7	6.7	7.3	7.9	8.6
%				57.5	60.3	62.2	62.9	63.3	63.5
140.0									
C				24,400	34,300	46,300	53,200	60,600	68,500
P				4,420	5,180	5,900	6,240	6,560	6,850
A				19.9	23.2	26.4	27.9	29.3	30.6
M				398	548	725	823	928	1,040
E				5.6	6.6	7.9	8.5	9.3	10.0
%				57.9	60.6	62.3	62.7	62.9	62.9
130.0									
C			19,500	28,300	39,200	52,200	59,600	67,500	75,900
P			3,710	4,420	5,100	5,730	6,010	6,280	6,520
A			16.9	19.9	22.9	25.6	26.9	28.0	29.1
M			302	431	585	766	865	971	1,085
E			5.3	6.4	7.7	9.1	9.9	10.8	11.7
%			54.6	58.3	60.7	61.9	62.1	62.0	61.6
120.0									
C			22,500	32,300	44,200	58,200	65,900	74,300	83,100
P			3,730	4,370	4,970	5,510	5,750	5,970	6,160
A			17.0	19.8	22.3	24.7	25.7	26.7	27.6
M			330	463	622	805	905	1,010	1,125
E			6.1	7.4	8.9	10.6	11.5	12.5	13.5
%			55.1	58.5	60.4	61.0	60.8	60.3	59.5
110.0									
C		17,250	25,800	36,500	49,200	64,000	72,200	81,000	90,200
P		3,120	3,710	4,280	4,800	5,260	5,460	5,630	5,770
A		14.5	17.0	19.4	21.6	23.6	24.4	25.2	25.9
M		243	358	496	657	841	941	1,045	1,160
E		5.5	7.0	8.6	10.3	12.2	13.3	14.4	15.7
%		50.7	55.4	58.3	59.5	59.3	58.7	57.6	56.3
100.0									
C	12,500	19,900	29,300	40,800	54,300	69,800	78,400	87,500	97,100
P	2,590	3,130	3,660	4,160	4,610	4,990	5,140	5,260	5,360
A	12.3	14.6	16.8	18.9	20.8	22.4	23.1	23.6	24.1
M	171	267	386	526	689	873	973	1,080	1,190
E	4.9	6.4	8.0	9.8	11.8	14.0	15.3	16.6	18.1
%	44.8	51.2	55.3	57.4	57.8	56.6	55.3	53.7	51.7
90.0									
C	14,550	22,700	32,900	45,100	59,300	75,500	84,300	93,700	103,500
P	2,610	3,100	3,580	4,020	4,400	4,700	4,810	4,890	4,940
A	12.4	14.5	16.5	18.3	19.9	21.1	21.6	22.0	22.3
M	189	290	412	555	719	902	1,000	1,105	1,215
E	5.6	7.4	9.2	11.2	13.5	16.1	17.6	19.2	21.0
%	45.5	51.3	54.6	55.7	55.0	52.5	50.5	48.1	45.2
80.0									
C	16,900	25,700	36,600	49,300	64,100	80,900	90,000	99,700	110,000
P	2,610	3,060	3,480	3,860	4,180	4,400	4,470	4,510	4,510
A	12.4	14.3	16.0	17.5	18.8	19.8	20.1	20.3	20.4
M	209	313	438	582	744	925	1,025	1,125	1,230
E	6.5	8.5	10.5	12.8	15.4	18.4	20.2	22.1	24.4
%	45.8	50.6	52.8	52.8	50.7	46.7	43.9	40.5	36.4

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