

Rating Conditions

65 °F Return Gas
 0 F Subcooling
 95 °F Ambient Air Over

60 Hz Operation

HIGH TEMPERATURE

RST10K1E-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)

	0.0 (19)	5.0 (23)	10.0 (28)	15.0 (33)	20.0 (38)	25.0 (43)	30.0 (50)	35.0 (56)	45.0 (71)	55.0 (88)
140.0				6,830	7,800	8,850	9,990	11,200	14,100	17,700
C				1,450	1,530	1,610	1,680	1,760	1,890	2,000
P				7.1	7.4	7.7	8.0	8.2	8.7	9.2
A				112	129	147	167	190	243	309
M				4.7	5.1	5.5	5.9	6.4	7.5	8.8
E				57.2	58.0	58.7	59.4	60.1	61.2	61.8
%										
(352)										
130.0			6,780	7,780	8,860	10,000	11,300	12,700	15,900	19,800
C			1,340	1,410	1,490	1,550	1,620	1,680	1,780	1,860
P			6.8	7.0	7.3	7.5	7.7	7.9	8.3	8.7
A			104	119	136	155	176	199	254	322
M			5.1	5.5	6.0	6.5	7.0	7.6	8.9	10.6
E			56.9	57.9	58.7	59.4	60.1	60.6	61.5	61.9
%										
(307)										
120.0		6,560	7,580	8,670	9,850	11,100	12,500	14,100	17,600	21,900
C		1,240	1,300	1,370	1,430	1,480	1,540	1,580	1,660	1,720
P		6.4	6.7	6.9	7.1	7.3	7.4	7.6	7.9	8.1
A		94	109	125	142	162	183	207	263	333
M		5.3	5.8	6.3	6.9	7.5	8.1	8.9	10.6	12.7
E		55.8	57.0	58.0	58.8	59.5	60.0	60.5	61.1	61.0
%										
(266)										
110.0	6,230	7,250	8,340	9,520	10,800	12,200	13,700	15,400	19,200	23,900
C	1,140	1,200	1,260	1,310	1,360	1,410	1,450	1,480	1,540	1,570
P	6.2	6.3	6.5	6.7	6.8	7.0	7.1	7.3	7.5	7.6
A	84	98	113	130	147	167	189	213	271	342
M	5.5	6.0	6.6	7.3	7.9	8.7	9.5	10.4	12.5	15.2
E	53.8	55.4	56.6	57.5	58.3	58.9	59.4	59.7	59.9	59.1
%										
(229)										
100.0	6,850	7,930	9,090	10,300	11,700	13,200	14,900	16,700	20,800	25,900
C	1,100	1,160	1,200	1,250	1,290	1,320	1,350	1,380	1,410	1,410
P	6.1	6.2	6.3	6.5	6.6	6.7	6.8	6.9	7.0	7.0
A	88	102	117	134	152	172	194	219	278	350
M	6.2	6.9	7.6	8.3	9.1	10.0	11.0	12.1	14.8	18.3
E	53.2	54.7	55.8	56.6	57.2	57.7	58.0	58.1	57.7	55.9
%										
(196)										
90.0	7,490	8,620	9,850	11,200	12,600	14,200	16,000	17,900	22,400	27,800
C	1,060	1,100	1,140	1,180	1,210	1,230	1,250	1,260	1,270	1,250
P	5.9	6.0	6.2	6.3	6.3	6.4	6.5	6.5	6.6	6.5
A	91	105	121	138	156	176	199	225	284	358
M	7.1	7.8	8.6	9.5	10.5	11.6	12.8	14.2	17.6	22.2
E	52.5	53.8	54.7	55.3	55.7	55.9	55.9	55.7	54.2	50.9
%										
(167)										
80.0	8,170	9,350	10,600	12,000	13,600	15,300	17,200	19,200	24,000	29,700
C	1,010	1,050	1,080	1,100	1,120	1,140	1,150	1,150	1,140	1,100
P	5.8	5.9	6.0	6.0	6.1	6.1	6.2	6.2	6.1	6.0
A	95	109	125	142	160	181	204	230	291	365
M	8.1	8.9	9.9	10.9	12.1	13.4	15.0	16.7	21.1	27.1
E	51.6	52.5	53.1	53.4	53.4	53.2	52.8	52.0	49.0	43.1
%										
(141)										
70.0	8,910	10,100	11,500	13,000	14,600	16,400	18,400	20,600	25,600	31,700
C	965	991	1,010	1,030	1,040	1,050	1,050	1,040	1,000	939
P	5.6	5.7	5.8	5.8	5.8	5.9	5.9	5.8	5.7	5.4
A	100	114	129	146	165	186	210	236	297	373
M	9.2	10.2	11.3	12.6	14.0	15.7	17.6	19.8	25.6	33.8
E	50.5	50.9	51.0	50.8	50.3	49.5	48.3	46.6	41.2	31.3
%										
(117)										

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