Rating Conditions

65 °F Return Gas

0 F Subcooling

95 °F Ambient Air Over

60 Hz Operation

HIGH TEMPERATURE

Blue Area Restrictions: 40°F Max. Return Gas Temp.

RST70C1-TA5

COPELAWELD® HCFC-22

COMPRESSOR

Null

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

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

		0.0 (24)	5.0 (28)	10.0 (33)	15.0 (38)	20.0 (43)	25.0 (49)	30.0 (55)	35.0 (62)	45.0 (76)	55.0 (93)
140.0	C				5,520	6,240	7,010	7,830	8,720	10,800	13,200
	P				1,090	1,140	1,180	1,220	1,260	1,340	1,400
(337)	A				4.0	4.1	4.3	4.4	4.5	4.7	4.9
	M				90	102	115	129	145	181	226
	E				5.1	5.5	5.9	6.4	6.9	8.0	9.4
	%				58.2	59.2	59.9	60.5	61.0	61.6	61.8
	C			5,380	6,100	6,860	7,680	8,570	9,540	11,800	14,400
130.0	P			1,000	1,050	1,090	1,130	1,170	1,200	1,260	1,310
	A			3.8	3.9	4.0	4.1	4.2	4.3	4.5	4.6
(297)	M			82	94	106	119	134	149	187	233
	E			5.4	5.8	6.3	6.8	7.3	8.0	9.3	11.0
	%			57.6	58.6	59.3	59.9	60.4	60.8	61.3	61.2
	C		5,170	5,880	6,640	7,450	8,330	9,290	10,300	12,800	15,700
120.0	P		926	969	1,010	1,040	1,070	1,100	1,130	1,170	1,210
	A		3.6	3.7	3.8	3.9	4.0	4.1	4.1	4.3	4.4
(260)	M		75	86	97	109	123	138	154	192	240
	E		5.6	6.1	6.6	7.1	7.7	8.4	9.2	10.9	13.0
	%		56.6	57.6	58.3	59.0	59.5	59.9	60.2	60.5	59.9
	C	4,910	5,610	6,350	7,150	8,020	8,970	10,000	11,100	13,800	17,000
110.0	P	852	892	928	960	989	1,010	1,040	1,050	1,080	1,100
	A	3.5	3.5	3.6	3.7	3.8	3.8	3.9	3.9	4.0	4.1
(226)	M	68	78	88	100	112	126	141	158	198	247
	E	5.8	6.3	6.8	7.4	8.1	8.8	9.7	10.6	12.7	15.4
	%	55.2	56.2	57.0	57.6	58.2	58.6	59.0	59.2	59.2	58.0
	C	5,310	6,040	6,820	7,670	8,600	9,620	10,700	12,000	14,900	18,300
100.0	P	819	853	883	909	931	949	964	976	991	995
	A	3.4	3.4	3.5	3.6	3.6	3.7	3.7	3.7	3.8	3.8
(196)	M	70	80	91	102	115	130	145	163	204	255
	E	6.5	7.1	7.7	8.4	9.2	10.1	11.1	12.3	15.0	18.4
	%	54.7	55.4	56.0	56.6	57.0	57.4	57.6	57.7	57.1	54.9
	C	5,710	6,460	7,290	8,200	9,200	10,300	11,500	12,900	16,000	19,700
90.0	P	782	810	834	854	869	881	889	894	895	885
	A	3.3	3.4	3.4	3.4	3.5	3.5	3.5	3.5	3.6	3.5
(168)	M	73	82	93	105	118	133	149	168	210	263
	E	7.3	8.0	8.7	9.6	10.6	11.7	13.0	14.4	17.9	22.3
	%	53.8	54.3	54.8	55.2	55.5	55.7	55.8	55.5	54.0	50.2
	C	6,110	6,920	7,800	8,770	9,850	11,000	12,400	13,800	17,200	21,200
80.0	P	741	764	782	795	805	810	812	810	797	773
	A	3.2	3.3	3.3	3.3	3.3	3.3	3.4	3.4	3.3	3.3
(144)	M	75	85	96	108	122	137	154	173	218	272
	E	8.2	9.1	10.0	11.0	12.2	13.6	15.2	17.0	21.5	27.5
	%	52.6	52.9	53.2	53.4	53.6	53.5	53.1	52.4	49.3	43.0
	C	6,560	7,410	8,350	9,390	10,600	11,800	13,300	14,800	18,500	22,900
70.0	P	698	715	727	735	738	738	733	725	698	659
	A	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.0
(121)	M	77	88	99	112	126	142	160	179	225	282
	E	9.4	10.4	11.5	12.8	14.3	16.1	18.1	20.5	26.5	34.7
	%	51.1	51.2	51.2	51.1	50.9	50.3	49.3	47.8	42.2	31.7

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

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