Rating Conditions

65 °F Return Gas

0 F Subcooling

95 °F Ambient Air Over

60 Hz Operation

HIGH TEMPERATURE

ERFA-031E-TAD

COPELAMETIC® HCFC-22

COMPRESSOR

TAD 460-3-60

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**	9,990	11,900	13,800	16,000	18,200	20,600	23,200	26,000	32,400	39,700
(337)	**P**	2,480	2,680	2,890	3,080	3,270	3,460	3,630	3,790	4,090	4,330
	A	4.1	4.4	4.6	4.8	5.1	5.3	5.5	5.7	6.1	6.5
	M	161	191	224	259	297	338	383	432	543	678
	E	4.0	4.4	4.8	5.2	5.6	6.0	6.4	6.9	7.9	9.2
	%	55.2	57.1	58.4	59.3	59.9	60.3	60.5	60.6	60.6	60.3
	C	11,300	13,300	15,400	17,600	20,000	22,600	25,400	28,400	35,200	43,100
130.0	**P**	2,450	2,630	2,810	2,990	3,150	3,310	3,460	3,600	3,840	4,020
	A	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.5	5.8	6.0
(297)	**M**	172	203	236	271	309	351	396	445	558	695
	E	4.6	5.0	5.5	5.9	6.3	6.8	7.3	7.9	9.2	10.7
	%	56.3	57.8	58.8	59.5	59.9	60.2	60.3	60.3	60.1	59.4
	C	12,700	14,700	16,900	19,300	21,800	24,600	27,600	30,800	38,000	46,500
120.0	**P**	2,390	2,560	2,720	2,870	3,010	3,150	3,270	3,390	3,570	3,690
	A	4.0	4.2	4.4	4.6	4.7	4.9	5.1	5.2	5.4	5.6
(260)	**M**	184	214	247	282	321	363	408	458	573	711
	E	5.3	5.8	6.2	6.7	7.2	7.8	8.4	9.1	10.7	12.6
	%	57.3	58.4	59.1	59.6	59.8	60.0	60.0	59.8	59.3	58.1
	C	14,100	16,200	18,500	21,000	23,700	26,600	29,800	33,200	40,900	49,900
110.0	**P**	2,320	2,470	2,600	2,730	2,850	2,960	3,060	3,150	3,280	3,340
	A	4.0	4.1	4.3	4.4	4.6	4.7	4.8	4.9	5.1	5.1
(226)	**M**	194	225	257	293	332	374	421	471	587	726
	E	6.1	6.6	7.1	7.7	8.3	9.0	9.7	10.5	12.5	15.0
	%	57.9	58.7	59.2	59.4	59.5	59.5	59.3	59.0	58.0	56.3
	C	15,400	17,700	20,100	22,700	25,500	28,600	31,900	35,600	43,700	53,500
100.0	**P**	2,230	2,360	2,470	2,580	2,680	2,760	2,830	2,890	2,960	2,960
	A	3.9	4.0	4.1	4.2	4.4	4.5	4.5	4.6	4.7	4.7
(196)	**M**	204	235	267	303	342	385	432	483	601	741
	E	6.9	7.5	8.1	8.8	9.5	10.4	11.3	12.3	14.8	18.0
	%	58.2	58.7	58.9	59.0	58.9	58.7	58.3	57.8	56.2	53.6
	C	16,800	19,100	21,600	24,400	27,300	30,600	34,100	37,900	46,500	56,500
90.0	**P**	2,130	2,230	2,320	2,410	2,480	2,540	2,590	2,620	2,630	2,570
	A	3.7	3.9	4.0	4.1	4.1	4.2	4.3	4.3	4.3	4.2
(168)	**M**	214	244	276	312	352	395	442	494	613	755
	E	7.9	8.6	9.3	10.1	11.0	12.0	13.2	14.5	17.7	22.0
	%	58.1	58.2	58.2	58.1	57.8	57.4	56.7	55.9	53.5	49.6
	C	18,100	20,500	23,100	26,000	29,100	32,500	36,200	40,200	49,300	60,000
80.0	**P**	2,010	2,090	2,160	2,220	2,270	2,310	2,320	2,330	2,280	2,160
	A	3.6	3.7	3.8	3.8	3.9	3.9	4.0	4.0	3.9	3.8
(144)	**M**	222	252	285	321	360	404	452	504	624	767
	E	9.0	9.8	10.7	11.7	12.8	14.1	15.6	17.3	21.6	27.7
	%	57.4	57.3	57.0	56.6	56.1	55.3	54.4	53.1	49.4	43.3
	C	19,300	21,800	24,500	27,500	30,800	34,300	38,200	42,400	52,000	63,000
70.0	**P**	1,880	1,940	1,990	2,020	2,050	2,060	2,050	2,020	1,920	1,740
	A	3.4	3.5	3.6	3.6	3.6	3.7	3.6	3.6	3.5	3.3
(121)	**M**	229	258	291	328	368	412	460	513	634	778
	E	10.3	11.3	12.4	13.6	15.0	16.7	18.7	21.0	27.0	36.3
	%	56.0	55.6	55.1	54.4	53.5	52.3	50.8	48.9	43.1	33.3

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 @ 460 V