Rating Conditions

20 °F Superheat

15 F Subcooling

95 °F Ambient Air Over

60 Hz Operation

AIR CONDITIONING

CR47KQE-TFD

COPELAWELD® HCFC-22

COMPRESSOR

TFD 460-3-60

Condensing Temperature °F (Sat. Dew Pt. Pressure, psig)		Evaporating Temperature °F (Sat. Dew Pt. Pressure, psig)									
		-10.0 (17)	**0.0** (24)	**10.0** (33)	**20.0** (43)	**30.0** (55)	**40.0** (69)	**45.0** (76)	**50.0** (84)	**55.0** (93)
150.0 (382)	**C**					25,900	34,100	38,600	43,600	48,900
	P					4,210	4,740	4,990	5,250	5,450
	A					6.5	7.1	7.4	7.7	8.0
	M					434	560	630	705	785
	E					6.2	7.2	7.7	8.3	8.9
	%					61.2	62.5	62.9	63.0	63.0
140.0 (337)	**C**				21,800	29,300	38,000	42,900	48,200	54,000
	P				3,580	4,090	4,560	4,780	4,990	5,200
	A				5.8	6.4	6.9	7.2	7.4	7.6
	M				349	462	590	665	740	820
	E				6.1	7.1	8.3	9.0	9.7	10.4
	%				60.3	62.2	63.2	63.3	63.2	62.9
130.0 (297)	**C**			17,700	24,500	32,600	41,900	47,200	53,000	59,000
	P			3,020	3,510	3,950	4,350	4,540	4,720	4,880
	A			5.3	5.8	6.2	6.7	6.9	7.1	7.3
	M			274	374	489	620	695	770	855
	E			5.9	7.0	8.2	9.6	10.4	11.2	12.1
	%			58.5	61.2	62.7	63.3	63.2	62.8	62.1
120.0 (260)	**C**			20,100	27,300	35,900	45,900	51,500	57,500	64,000
	P			2,980	3,410	3,790	4,120	4,280	4,430	4,560
	A			5.2	5.6	6.0	6.4	6.6	6.7	6.9
	M			296	398	515	650	720	800	885
	E			6.7	8.0	9.5	11.1	12.0	13.0	14.0
	%			59.3	61.6	62.7	62.7	62.3	61.5	60.4
110.0 (226)	**C**		15,900	22,400	30,100	39,200	49,800	55,500	62,000	69,000
	P		2,500	2,910	3,280	3,590	3,870	4,000	4,120	4,230
	A		4.8	5.1	5.5	5.8	6.1	6.3	6.4	6.5
	M		227	317	419	535	675	750	830	915
	E		6.3	7.7	9.2	10.9	12.8	13.9	15.1	16.3
	%		56.5	59.7	61.5	62.1	61.4	60.6	59.3	57.6
100.0 (196)	**C**		17,900	24,800	32,900	42,500	53,500	60,000	66,500	74,000
	P		2,470	2,820	3,120	3,380	3,610	3,710	3,800	3,890
	A		4.7	5.0	5.3	5.6	5.8	6.0	6.1	6.1
	M		246	336	439	560	695	775	855	940
	E		7.3	8.8	10.6	12.6	14.9	16.1	17.5	19.0
	%		57.0	59.5	60.8	60.7	59.2	57.8	55.9	53.5
90.0 (168)	**C**	14,000	20,000	27,200	35,700	45,700	57,500	64,000	71,000	78,500
	P	2,070	2,410	2,700	2,950	3,160	3,330	3,410	3,480	3,540
	A	4.4	4.7	4.9	5.2	5.4	5.6	5.6	5.7	5.8
	M	187	263	353	457	580	720	795	875	965
	E	6.8	8.3	10.1	12.1	14.5	17.2	18.8	20.4	22.2
	%	53.8	57.0	58.8	59.3	58.4	55.7	53.6	50.8	47.4
80.0 (144)	**C**	15,800	22,000	29,500	38,400	48,900	61,000	68,000	75,500	83,500
	P	2,040	2,320	2,560	2,760	2,920	3,040	3,100	3,150	3,190
	A	4.4	4.6	4.8	5.0	5.1	5.3	5.3	5.4	5.4
	M	203	279	369	474	595	735	815	900	985
	E	7.8	9.5	11.5	13.9	16.8	20.1	21.9	24.0	26.1
	%	54.0	56.3	57.4	57.0	55.0	50.7	47.6	43.7	39.0

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