

Rating Conditions

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

60 Hz Operation

AIR CONDITIONING

2DC3R53KE-TFC

COPELAMETIC® HCFC-22
 DISCUS® COMPRESSOR
 TFC 208/230-3-60

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

		10.0 (33)	20.0 (43)	25.0 (49)	30.0 (55)	35.0 (62)	40.0 (69)	45.0 (76)	50.0 (84)	55.0 (93)
140.0 (337)	C	21,200	29,800	34,600	39,800	45,400	51,500	58,000	65,000	72,500
	P	3,710	4,230	4,500	4,750	5,000	5,250	5,450	5,650	5,850
	A	12.9	14.3	15.0	15.6	16.2	16.7	17.2	17.6	18.0
	M	346	479	552	629	712	800	895	996	1,104
	E	5.7	7.0	7.7	8.4	9.1	9.8	10.6	11.5	12.4
	%	64.3	69.9	71.7	72.9	73.8	74.4	74.8	74.9	75.0
130.0 (297)	C	24,000	33,100	38,100	43,600	49,500	56,000	62,500	70,000	78,000
	P	3,750	4,190	4,410	4,620	4,830	5,000	5,200	5,350	5,450
	A	12.9	14.0	14.6	15.1	15.5	15.9	16.3	16.6	16.8
	M	371	504	577	655	738	827	922	1,023	1,132
	E	6.4	7.9	8.6	9.4	10.3	11.1	12.1	13.1	14.3
	%	63.8	68.9	70.6	71.8	72.6	73.2	73.5	73.6	73.6
120.0 (260)	C	26,900	36,400	41,700	47,500	53,500	60,500	67,500	75,500	83,500
	P	3,690	4,060	4,240	4,410	4,560	4,700	4,820	4,910	4,970
	A	12.7	13.7	14.1	14.5	14.8	15.1	15.3	15.5	15.6
	M	396	529	602	681	764	853	949	1,050	1,159
	E	7.3	9.0	9.8	10.8	11.8	12.8	14.0	15.3	16.8
	%	64.1	68.7	70.2	71.2	72.0	72.4	72.6	72.7	72.5
110.0 (226)	C	29,900	39,900	45,500	51,500	58,000	65,000	72,500	80,500	89,500
	P	3,570	3,860	4,000	4,130	4,240	4,320	4,390	4,430	4,430
	A	12.5	13.3	13.6	13.8	14.0	14.2	14.3	14.4	14.4
	M	421	554	628	706	790	879	975	1,077	1,186
	E	8.4	10.3	11.4	12.5	13.7	15.0	16.5	18.2	20.2
	%	64.9	68.9	70.1	71.0	71.6	71.9	71.9	71.8	71.4
100.0 (196)	C	33,000	43,400	49,200	55,500	62,500	69,500	77,500	86,000	95,000
	P	3,390	3,620	3,710	3,800	3,860	3,900	3,910	3,890	3,840
	A	12.2	12.8	13.0	13.1	13.2	13.3	13.3	13.3	13.2
	M	445	579	652	731	815	905	1,001	1,103	1,212
	E	9.7	12.0	13.3	14.6	16.2	17.9	19.8	22.1	24.7
	%	65.7	69.1	70.1	70.8	71.1	71.2	70.9	70.5	69.7
90.0 (168)	C	36,100	47,000	53,000	59,500	66,500	74,500	82,500	91,500	101,000
	P	3,170	3,330	3,390	3,430	3,450	3,440	3,400	3,330	3,220
	A	11.9	12.2	12.3	12.4	12.4	12.4	12.3	12.2	12.0
	M	469	602	676	754	839	929	1,025	1,128	1,237
	E	11.4	14.1	15.6	17.4	19.3	21.6	24.2	27.4	31.3
	%	66.4	69.1	69.8	70.1	70.1	69.8	69.2	68.2	66.8
80.0 (144)	C	39,300	50,500	57,000	63,500	71,000	79,000	87,500	96,500	106,000
	P	2,940	3,030	3,050	3,050	3,020	2,970	2,880	2,760	2,590
	A	11.5	11.6	11.6	11.6	11.5	11.4	11.3	11.1	10.8
	M	492	624	698	777	861	952	1,048	1,151	1,261
	E	13.4	16.7	18.6	20.9	23.5	26.6	30.4	35.1	41.0
	%	66.5	68.3	68.6	68.5	68.0	67.2	65.8	63.9	61.2
70.0 (121)	C	42,500	54,000	60,500	68,000	75,500	83,500	92,500	102,000	112,000
	P	2,710	2,730	2,720	2,670	2,600	2,500	2,360	2,190	1,970
	A	11.0	11.0	10.9	10.8	10.6	10.5	10.2	9.9	9.6
	M	513	646	719	798	883	973	1,070	1,173	1,283
	E	15.7	19.8	22.4	25.4	29.0	33.4	39.1	46.6	57.0
	%	65.2	66.0	65.8	65.0	63.8	61.9	59.2	55.4	49.9

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