

Rating Conditions

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

60 Hz Operation

AIR CONDITIONING

ZR38K5E-TF5

HCFC-22

COPELAND SCROLL®

TF5 200/230-3-60

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)						28,200	32,000	35,900	39,900
C						4,530	4,490	4,450	4,420
P						13.0	12.9	12.8	12.7
A						463	522	581	642
M						6.3	7.1	8.1	9.1
E						54.2	57.9	61.1	63.7
%									
140.0 (337)					24,300	31,400	35,200	39,100	43,200
C					3,980	3,920	3,890	3,870	3,840
P					11.7	11.5	11.5	11.4	11.4
A					384	489	544	600	658
M					6.1	8.0	9.1	10.1	11.3
E					53.1	60.8	63.7	66.1	68.0
%									
130.0 (297)				20,500	27,100	34,200	38,000	42,000	46,200
C				3,520	3,460	3,420	3,400	3,380	3,360
P				10.6	10.5	10.4	10.4	10.3	10.3
A				313	408	507	559	613	670
M				5.9	7.9	10.0	11.2	12.4	13.8
E				51.1	59.7	65.7	67.9	69.5	70.7
%									
120.0 (260)			17,050	23,100	29,600	36,700	40,500	44,600	48,900
C			3,120	3,060	3,030	3,000	2,990	2,970	2,950
P			9.7	9.6	9.5	9.5	9.4	9.4	9.3
A			252	336	424	518	569	622	678
M			5.5	7.6	9.8	12.2	13.6	15.0	16.6
E			48.2	57.8	64.5	68.8	70.2	71.0	71.5
%									
110.0 (226)		13,900	19,350	25,200	31,600	38,900	42,800	47,000	51,500
C		2,780	2,720	2,690	2,670	2,660	2,640	2,620	2,590
P		9.0	8.8	8.8	8.8	8.7	8.7	8.7	8.6
A		199	273	350	434	526	576	628	684
M		5.0	7.1	9.4	11.9	14.7	16.2	18.0	19.9
E		44.6	55.0	62.5	67.3	70.0	70.5	70.6	70.3
%									
100.0 (196)	11,150	15,950	21,200	26,900	33,500	40,900	45,000	49,400	54,000
C	2,490	2,420	2,390	2,380	2,370	2,350	2,330	2,300	2,270
P	8.4	8.2	8.2	8.2	8.2	8.1	8.1	8.0	7.9
A	155	219	286	359	440	531	581	633	690
M	4.5	6.6	8.9	11.3	14.1	17.4	19.3	21.4	23.9
E	40.5	51.6	59.8	65.2	68.2	69.3	69.1	68.4	67.2
%									
90.0 (168)	13,050	17,600	22,700	28,400	35,100	42,800	47,100	51,700	56,600
C	2,160	2,130	2,110	2,110	2,100	2,070	2,040	2,000	1,945
P	7.8	7.7	7.7	7.7	7.6	7.6	7.5	7.4	7.3
A	174	232	294	364	444	535	585	638	696
M	6.1	8.3	10.7	13.5	16.7	20.7	23.1	25.9	29.1
E	48.0	56.7	62.6	66.1	67.5	66.9	65.9	64.4	62.2
%									
80.0 (144)	14,450	18,850	23,900	29,700	36,600	44,700	49,200	54,100	59,300
C	1,875	1,860	1,860	1,855	1,835	1,780	1,740	1,685	1,615
P	7.3	7.2	7.2	7.2	7.2	7.1	7.0	6.9	6.8
A	186	239	299	367	447	538	589	644	703
M	7.7	10.1	12.9	16.1	20.0	25.1	28.3	32.1	36.8
E	53.8	60.0	63.9	65.7	65.5	63.3	61.3	58.5	54.8
%									

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