

Rating Conditions

11.1 K Superheat
8.3 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

AIR CONDITIONING

ZP72KCE-TFD

HFC-410A
COPELAND SCROLL®
TFD 380/420-3-50

Condensing Temperature °C
(Sat. Dew Pt. Pressure, bar) Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-20.0(4)	-15.0(4.8)	-10.0(5.7)	-5.0(6.8)	0.0(8)	5.0(9.3)	7.0(9.9)	10.0(10.8)	12.0(11.5)
65.0 (42.8)	C						13,000	14,000	15,700	16,800
	P						7,300	7,300	7,300	7,300
	A						12.3	12.3	12.3	12.3
	M						96.5	103.5	114.5	122.5
	E %						1.8	1.9	2.1	2.3
60.0 (38.3)	C					11,900	14,350	15,500	17,200	18,500
	P					6,500	6,500	6,500	6,500	6,450
	A					11.0	11.0	11.0	11.0	11.0
	M					82.5	98.5	105.5	116.5	124.5
	E %					1.8	2.2	2.4	2.7	2.9
55.0 (34.3)	C				10,750	13,050	15,700	16,800	18,700	20,000
	P				5,750	5,750	5,750	5,750	5,750	5,750
	A				9.9	9.9	9.9	9.9	9.9	10.0
	M				70.5	84.5	100.5	107.5	118.5	127
	E %				1.9	2.3	2.7	2.9	3.3	3.5
50.0 (30.6)	C			9,550	11,650	14,100	16,900	18,100	20,100	21,500
	P			5,100	5,100	5,100	5,100	5,100	5,100	5,100
	A			9.0	9.0	9.0	9.0	9.0	9.0	9.0
	M			59.6	72	86	102	109	120.5	128
	E %			1.9	2.3	2.8	3.3	3.6	3.9	4.2
45.0 (27.3)	C		8,350	10,300	12,550	15,100	18,100	19,400	21,500	22,900
	P		4,500	4,520	4,530	4,540	4,550	4,550	4,550	4,560
	A		8.1	8.1	8.1	8.2	8.2	8.2	8.2	8.2
	M		50	60.9	73.5	87.5	103.5	110.5	122	130
	E %		1.9	2.3	2.8	3.3	4.0	4.3	4.7	5.0
40.0 (24.2)	C	7,150	8,950	11,000	13,400	16,100	19,200	20,600	22,800	24,300
	P	4,000	4,010	4,020	4,030	4,040	4,060	4,060	4,070	4,080
	A	7.4	7.4	7.4	7.4	7.5	7.5	7.5	7.5	7.5
	M	41.5	51.1	62	74.5	88.5	104.5	112	123	131
	E %	1.8	2.2	2.7	3.3	4.0	4.7	5.1	5.6	6.0
35.0 (21.4)	C	7,700	9,550	11,700	14,200	17,000	20,300	21,700	24,000	25,600
	P	3,570	3,570	3,580	3,590	3,610	3,630	3,640	3,650	3,670
	A	6.8	6.8	6.8	6.8	6.9	6.9	6.9	6.9	6.9
	M	42.4	52.1	63	75.5	89.5	105.5	112.5	124	132
	E %	2.2	2.7	3.3	4.0	4.7	5.6	6.0	6.6	7.0
30.0 (18.8)	C	8,200	10,150	12,400	14,950	17,900	21,300	22,800	25,100	26,800
	P	3,180	3,180	3,190	3,210	3,230	3,260	3,270	3,290	3,310
	A	6.3	6.3	6.3	6.3	6.4	6.4	6.4	6.5	6.5
	M	43.2	52.9	64	76	90.5	106.5	113.5	124.5	132
	E %	2.6	3.2	3.9	4.7	5.6	6.5	7.0	7.6	8.1
		63.5	67.9	70.6	71.5	70.2	66.4	64.1	59.8	56.3

C: Capacity (W), P: Power (W), A: Current (Amps), M: Mass Flow (gm/s), E: COP, %: Isentropic Efficiency (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 380 V