

Rating Conditions

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

60 Hz Operation

AIR CONDITIONING

ZR12M3E-TWD

HCFC-22

COPELAND SCROLL®

TWD 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 P A M E %						99,000	109,000	121,000	133,000
						13,800	13,800	13,800	13,800
						19.4	19.4	19.5	19.5
						1,625	1,783	1,952	2,131
						7.2	7.9	8.7	9.6
						62.4	64.3	66.1	67.6
140.0 (337) C P A M E %					86,500	106,000	117,000	129,000	142,000
					12,300	12,300	12,300	12,300	12,300
					17.8	17.8	17.9	17.9	17.9
					1,365	1,656	1,815	1,986	2,167
					7.0	8.6	9.5	10.5	11.5
				61.1	65.3	67.1	68.6	69.8	
130.0 (297) C P A M E %				74,000	92,500	114,000	125,000	138,000	152,000
				10,900	11,000	11,000	11,000	11,000	11,000
				16.4	16.5	16.5	16.5	16.5	16.5
				1,130	1,391	1,684	1,845	2,017	2,201
				6.8	8.4	10.3	11.4	12.6	13.8
			59.2	64.0	67.8	69.3	70.4	71.2	
120.0 (260) C P A M E %			62,500	79,500	98,500	121,000	133,000	147,000	161,000
			9,750	9,800	9,850	9,800	9,800	9,750	9,750
			15.2	15.3	15.3	15.3	15.3	15.2	15.2
			920	1,153	1,414	1,709	1,872	2,045	2,231
			6.4	8.1	10.0	12.3	13.6	15.0	16.5
		56.4	62.0	66.4	69.5	70.5	71.1	71.1	
110.0 (226) C P A M E %		51,000	66,500	84,500	105,000	128,000	141,000	155,000	170,000
		8,600	8,700	8,750	8,750	8,700	8,700	8,700	8,700
		14.1	14.2	14.3	14.3	14.2	14.2	14.2	14.2
		731	941	1,173	1,434	1,730	1,894	2,069	2,257
		5.9	7.6	9.6	11.9	14.7	16.2	17.8	19.6
	52.8	59.2	64.3	68.0	70.1	70.4	70.1	69.2	
100.0 (196) C P A M E %	40,400	55,000	71,000	89,000	110,000	135,000	148,000	163,000	179,000
	7,600	7,700	7,800	7,800	7,800	7,750	7,750	7,750	7,750
	13.2	13.3	13.4	13.4	13.4	13.4	13.4	13.4	13.4
	562	751	957	1,188	1,449	1,748	1,913	2,090	2,279
	5.3	7.1	9.1	11.4	14.2	17.3	19.1	21.0	23.0
48.1	55.6	61.4	65.8	68.4	69.1	68.4	67.1	64.9	
90.0 (168) C P A M E %	43,700	58,000	74,500	93,500	115,000	141,000	155,000	170,000	187,000
	6,800	6,900	6,950	6,950	6,900	6,900	6,900	6,950	6,950
	12.5	12.6	12.7	12.7	12.7	12.6	12.7	12.7	12.7
	584	767	970	1,199	1,460	1,761	1,927	2,105	2,296
	6.4	8.4	10.8	13.5	16.7	20.4	22.4	24.6	26.9
51.2	57.9	62.9	66.2	67.4	65.9	64.0	61.2	57.4	
80.0 (144) C P A M E %	46,700	61,500	78,000	97,500	120,000	147,000	162,000	178,000	195,000
	6,050	6,100	6,150	6,150	6,150	6,150	6,200	6,250	6,300
	12.0	12.0	12.1	12.0	12.0	12.1	12.1	12.1	12.2
	600	778	978	1,205	1,467	1,769	1,936	2,116	2,308
	7.7	10.0	12.7	15.9	19.6	23.8	26.1	28.5	31.0
53.7	59.4	63.3	65.1	64.3	60.1	56.6	52.0	46.2	

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