

Rating Conditions

4.4 °C Return Gas
 0 K Subcooling
 35 °C Ambient Air Over
 50 Hz Operation

**EXTENDED MEDIUM
 TEMPERATURE**

**HFCs Require Use of Polyol Ester
 Lubricant Approved on Form 93-11**

Refer AE-1298 for restrictions

CS33K3E-TFD

HFC-404A
 COPELAWELD®
 TFD 380/420-3-50

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

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

	-30.0 (2)	-25.0 (2.5)	-20.0 (3)	-15.0 (3.6)	-10.0 (4.3)	-5.0 (5.1)	-2.0 (5.6)
60.0 (28.7) C P A M E %			2,125	2,950	4,050	5,500	6,550
			2,530	3,230	3,930	4,570	4,910
			6.2	7.4	8.6	9.8	10.4
			26	37	52	73	88
			0.8	0.9	1.0	1.2	1.3
		54.3	53.1	54.3	56.9	59.0	
55.0 (25.7) C P A M E %		1,925	2,715	3,750	5,050	6,750	7,900
		2,030	2,660	3,320	3,950	4,520	4,810
		5.4	6.4	7.5	8.6	9.7	10.2
		21	30	42	58	78	94
		1.0	1.0	1.1	1.3	1.5	1.6
	57.3	55.5	55.4	56.5	58.5	60.0	
50.0 (23) C P A M E %	1,635	2,420	3,400	4,650	6,150	8,000	9,350
	1,630	2,180	2,770	3,360	3,930	4,430	4,690
	4.9	5.7	6.6	7.6	8.6	9.5	10.0
	16	24	34	47	63	84	99
	1.0	1.1	1.2	1.4	1.6	1.8	2.0
57.7	57.9	57.5	57.6	58.3	59.6	60.7	
45.0 (20.4) C P A M E %	2,030	3,000	4,150	5,550	7,250	9,300	10,750
	1,780	2,280	2,830	3,380	3,890	4,320	4,530
	5.1	5.8	6.7	7.6	8.5	9.3	9.7
	18	27	38	52	68	89	104
	1.1	1.3	1.5	1.6	1.9	2.2	2.4
57.7	59.3	59.3	59.2	59.4	60.0	60.7	
40.0 (18.1) C P A M E %	2,485	3,600	4,900	6,500	8,350	10,550	12,050
	1,880	2,360	2,860	3,360	3,810	4,180	4,350
	5.2	5.9	6.7	7.6	8.4	9.0	9.3
	21	30	42	56	73	94	108
	1.3	1.5	1.7	1.9	2.2	2.5	2.8
58.6	60.5	60.4	59.9	59.5	59.5	59.8	
35.0 (16.1) C P A M E %	2,950	4,200	5,650	7,350	9,350	11,700	13,300
	1,950	2,390	2,860	3,310	3,710	4,020	4,140
	5.3	6.0	6.7	7.5	8.2	8.7	8.9
	23	33	45	59	76	97	111
	1.5	1.8	2.0	2.2	2.5	2.9	3.2
59.3	61.0	60.6	59.6	58.7	58.0	57.9	
30.0 (14.1) C P A M E %	3,400	4,750	6,350	8,150	10,300	12,750	14,450
	1,980	2,390	2,820	3,230	3,580	3,830	3,910
	5.3	6.0	6.7	7.4	8.0	8.4	8.5
	25	35	47	62	79	99	113
	1.7	2.0	2.2	2.5	2.9	3.3	3.7
59.2	60.5	59.6	58.1	56.7	55.4	54.8	
25.0 (12.4) C P A M E %	3,750	5,250	6,900	8,800	11,050	13,650	15,400
	1,970	2,360	2,760	3,120	3,420	3,610	3,660
	5.3	5.9	6.6	7.2	7.7	8.0	8.1
	26	37	49	63	80	100	114
	1.9	2.2	2.5	2.8	3.2	3.8	4.2
58.0	58.8	57.5	55.5	53.5	51.6	50.6	

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