

### Rating Conditions

18.3 °C Return Gas  
 Actual Subcooling  
 35 °C Ambient Air Over

50 Hz Operation

### LOW TEMPERATURE

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

### ZF25KVE-TFD

HFC-404A  
 COPELAND SCROLL®  
 TFD 380/420-3-50

WITH ECONOMIZER

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

		-40.0(1.3)	-37.0(1.5)	-37.0(1.5)	-36.0(1.6)	-34.0(1.7)	-32.0(1.9)	-29.0(2.1)	-26.0(2.4)	-18.0(3.2)
60.0 (28.7)	C									12,300
	P									8,360
	A									13.5
	M									76
	E									1.5
53.0 (24.6)	L									18.9
	C						8,020	8,930	9,920	12,900
	P						6,060	6,370	6,660	7,300
	A						10.3	10.7	11.1	12.0
	M						42.9	49	55.8	78
46.0 (20.9)	E						1.3	1.4	1.5	1.8
	L						3.0	6.1	9.0	16.1
	C		6,930	6,930	7,200	7,760	8,360	9,340	10,400	13,600
	P		4,920	4,920	5,010	5,200	5,370	5,620	5,840	6,360
	A		8.7	8.7	8.9	9.1	9.3	9.7	10.0	10.7
39.0 (17.7)	M		34.7	34.7	36.4	39.9	43.6	49.9	57	79.5
	E		1.4	1.4	1.4	1.5	1.6	1.7	1.8	2.1
	L		-5.7	-5.7	-4.6	-2.4	-0.2	2.8	5.6	12.7
	C	6,370	7,170	7,170	7,450	8,060	8,700	9,740	10,850	14,250
	P	4,160	4,390	4,390	4,460	4,600	4,740	4,930	5,110	5,530
32.0 (14.9)	A	7.8	8.1	8.1	8.2	8.3	8.5	8.8	9.0	9.6
	M	30.5	35.1	35.1	36.8	40.4	44.3	50.7	57.9	80.5
	E	1.5	1.6	1.6	1.7	1.8	1.8	2.0	2.1	2.6
	L	-12.4	-9.0	-9.0	-7.9	-5.8	-3.7	-0.8	2.0	8.9
	C	6,550	7,390	7,390	7,700	8,340	9,020	10,100	11,300	14,850
25.0 (12.4)	P	3,720	3,890	3,890	3,950	4,050	4,160	4,310	4,450	4,810
	A	7.3	7.5	7.5	7.5	7.7	7.8	8.0	8.2	8.6
	M	30.7	35.5	35.5	37.2	40.9	44.8	51.4	58.6	81.5
	E	1.8	1.9	1.9	2.0	2.1	2.2	2.4	2.5	3.1
	L	-15.4	-12.2	-12.2	-11.1	-9.1	-7.2	-4.4	-1.8	4.9
18.0 (10.3)	C	6,710	7,600	7,600	7,920	8,590	9,300	10,450	11,700	15,350
	P	3,300	3,430	3,430	3,470	3,550	3,630	3,750	3,880	4,220
	A	6.8	6.9	6.9	7.0	7.1	7.2	7.3	7.5	7.8
	M	31	35.8	35.8	37.5	41.3	45.3	51.8	59.1	82
	E	2.0	2.2	2.2	2.3	2.4	2.6	2.8	3.0	3.6
11.0 (8.4)	L	-18.1	-15.1	-15.1	-14.1	-12.2	-10.4	-7.8	-5.3	1.1
	C	6,860	7,780	7,780	8,110	8,800	9,530	10,700	12,000	15,800
	P	2,900	3,000	3,000	3,030	3,100	3,170	3,270	3,390	3,740
	A	6.4	6.5	6.5	6.5	6.6	6.6	6.8	6.9	7.3
	M	31.3	36.1	36.1	37.9	41.6	45.6	52.2	59.4	82
4.0 (6.8)	E	2.4	2.6	2.6	2.7	2.8	3.0	3.3	3.5	4.2
	L	-20.1	-17.4	-17.4	-16.5	-14.8	-13.1	-10.7	-8.4	-2.4
	C	6,980	7,920	7,920	8,250	8,960	9,700	10,900	12,200	16,100
	P	2,530	2,610	2,610	2,630	2,700	2,760	2,870	2,990	3,400
	A	6.0	6.1	6.1	6.1	6.2	6.2	6.3	6.5	6.9
4.0 (6.8)	M	31.6	36.4	36.4	38.2	41.9	45.8	52.3	59.5	82
	E	2.8	3.0	3.0	3.1	3.3	3.5	3.8	4.1	4.7
	L	-21.4	-18.9	-18.9	-18.1	-16.5	-15.0	-12.8	-10.7	-5.3
	C	7,070	8,010	8,010	8,340	9,050	9,800	11,000	12,300	16,250
	P	2,190	2,260	2,260	2,290	2,350	2,420	2,550	2,690	3,180
4.0 (6.8)	A	5.7	5.7	5.7	5.8	5.8	5.9	6.0	6.2	6.7
	M	32	36.7	36.7	38.5	42.1	46	52.4	59.5	81.5
	E	3.2	3.5	3.5	3.7	3.9	4.0	4.3	4.6	5.1
	L	-21.5	-19.3	-19.3	-18.6	-17.2	-15.9	-14.0	-12.2	-7.3

C: Capacity (W), P: Power (W), A: Current (Amps), M: Mass Flow (gm/s), E: COP, L: Liquid Temp. (°C)

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