

RATING CONDITIONS

65 °F Return Gas
Actual Subcooling
95 °F Ambient Air Over

60 Hz Operation

LOW TEMPERATURE

Bold Area Restrictions: EVI + Demand Cooling

Required WITH ECONOMIZER

ZF18KVE-TFD

HCFC-407A
COPELAND SCROLL®
TFD 460-3-60

Evaporating Temperature °F (Sat Dew Pt Pressure, psig)

-40(-0.9) -35(1.1) -30(3.3) -25(5.8) -20(8.6) -15(12) -10(15) -5(19) 0(23)

Condensing Temperature °F (Sat Dew Pt Pressure, psig)		Evaporating Temperature °F (Sat Dew Pt Pressure, psig)									
		-40(-0.9)	-35(1.1)	-30(3.3)	-25(5.8)	-20(8.6)	-15(12)	-10(15)	-5(19)	0(23)	
140 (374) C P A M E L	C										34900
	P										7300
	A										10.3
	M										424
	L										4.8 64
130 (326) C P A M E L	C				20400	23200	26200	29500	33100	36900	
	P				5750	5850	5950	6050	6200	6350	
	A				8.5	8.6	8.7	8.8	9	9.2	
	M				227	260	296	337	381	431	
	L				3.5	4	4.4	4.9	5.3	5.8	5.8 54.5
120 (283) C P A M E L	C			18900	21500	24400	27600	31000	34600	38600	
	P			4930	5000	5100	5200	5300	5450	5600	
	A			7.5	7.6	7.7	7.8	8	8.1	8.3	
	M			200	230	264	301	342	387	437	
	L			3.8	4.3	4.8	5.3	5.8	6.4	6.9	6.9 46.7
110 (244) C P A M E L	C	14900	17200	19700	22400	25400	28700	32200	35900	40000	
	P	4130	4220	4300	4380	4460	4550	4650	4770	4910	
	A	6.6	6.7	6.8	6.9	7	7.1	7.2	7.3	7.5	
	M	150	175	203	233	267	304	346	391	442	
	L	3.6	4.1	4.6	5.1	5.7	6.3	6.9	7.5	8.1	8.1 40.4
105 (227) C P A M E L	C	15200	17500	20100	22800	25900	29100	32700	36500	40600	
	P	3850	3940	4020	4100	4180	4270	4360	4480	4620	
	A	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7	7.2	
	M	151	176	204	234	268	306	347	393	444	
	L	3.9	4.4	5	5.6	6.2	6.8	7.5	8.1	8.8	8.8 37.7
100 (210) C P A M E L	C	15500	17800	20400	23200	26300	29600	33200	37000	41100	
	P	3600	3690	3770	3840	3920	4010	4100	4210	4350	
	A	6.1	6.2	6.2	6.3	6.4	6.5	6.6	6.7	6.9	
	M	152	177	205	235	269	307	349	395	446	
	L	4.3	4.8	5.4	6	6.7	7.4	8.1	8.8	9.5	9.5 35.2
80 (151) C P A M E L	C	16300	18800	21400	24300	27500	30900	34600	38600	42800	
	P	2790	2880	2960	3030	3090	3170	3250	3350	3470	
	A	5.3	5.4	5.4	5.5	5.6	5.6	5.7	5.8	6	
	M	155	180	208	239	273	311	354	401	452	
	L	5.8	6.5	7.2	8	8.9	9.8	10.6	11.5	12.3	12.3 27.8
70 (127) C P A M E L	C	16600	19100	21800	24700	27900	31400	35100	39200	43400	
	P	2490	2570	2640	2710	2780	2850	2920	3020	3130	
	A	5	5.1	5.1	5.2	5.3	5.3	5.4	5.5	5.6	
	M	156	181	209	240	275	313	356	403	455	
	L	6.7	7.4	8.2	9.1	10.1	11	12	13	13.9	13.9 25
40 (69) C P A M E L	C	17500	19900	22600	25600	28900	32500	36300	40500	44900	
	P	1770	1850	1920	1980	2030	2090	2150	2220	2310	
	A	4.5	4.5	4.6	4.6	4.7	4.7	4.8	4.8	4.9	
	M	159	184	212	243	277	316	359	406	458	
	L	9.9	10.8	11.8	12.9	14.2	15.5	16.9	18.2	19.4	19.4 17.7

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 460 V

C:Capacity(Btu/hr), P:Power(Watts), A:Current(Amps), M:Mass Flow(lbs/hr), E:EER(Btu/Watt-hr), L:Liquid Temp (°F)