

RATING CONDITIONS

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

AIR CONDITIONING

ZPS49K4E-TFD

HFC-410A
COPELAND SCROLL®
TFD 460-3-60

60 Hz Operation**Condensing Temperature °F****(Sat Dew Pt Pressure, psig)****Evaporating Temperature °F (Sat Dew Pt Pressure, psig)**

150 (611)	-10(36)	0(48)	10(62)	20(78)	30(97)	40(118)	45(130)	50(142)	55(155)
C						35900	40100	44500	49100
P						6250	6230	6210	6190
A						8.95	8.9	8.85	8.85
M						625	694	765	839
E						5.75	6.45	7.15	7.95
%						57.9	60.6	62.8	64.6
140 (540)					32600	40800	45200	49900	54800
C					5470	5440	5420	5410	5400
P					8.05	8	8	7.95	7.95
A					529	652	717	786	858
M					5.95	7.5	8.35	9.2	10.15
E					58.5	63.8	65.9	67.5	68.6
%									
130 (475)				28900	36500	45100	49800	54700	59800
C				4790	4770	4750	4740	4740	4740
P				7.25	7.25	7.2	7.2	7.2	7.2
A				442	549	669	734	801	872
M				6.05	7.65	9.5	10.5	11.55	12.6
E				58.2	64	68.3	69.7	70.6	70.9
%									
120 (417)			25100	31900	39900	48900	53900	59100	64500
C			4190	4190	4180	4180	4180	4180	4190
P			6.6	6.6	6.55	6.55	6.55	6.55	6.55
A			364	455	561	680	744	811	882
M			6	7.6	9.55	11.7	12.9	14.15	15.4
E			57.1	63.1	67.9	71	71.8	71.9	71.2
%									
110 (364)		21400	27300	34500	42900	52400	57600	63100	68900
C		3670	3690	3690	3690	3690	3700	3710	3720
P		6	6	6	6	6	6	6	6.05
A		296	372	464	569	687	751	819	889
M		5.85	7.4	9.35	11.6	14.2	15.6	17	18.5
E		55.5	61.2	66.4	70.2	72	71.8	71	69.3
%									
100 (316)	18100	23000	29200	36800	45600	55700	61200	67000	73100
C	3200	3240	3260	3270	3270	3280	3290	3300	3320
P	5.45	5.5	5.5	5.55	5.55	5.55	5.55	5.55	5.6
A	240	301	377	468	574	693	757	824	895
M	5.65	7.1	8.95	11.25	13.95	17	18.6	20.3	22
E	53.9	58.7	63.8	68.1	70.8	70.9	69.7	67.7	64.8
%									
90 (273)	19150	24300	31000	38900	48300	58900	64700	70800	77200
C	2840	2870	2890	2900	2910	2920	2930	2940	2960
P	5.05	5.05	5.1	5.1	5.1	5.15	5.15	5.15	5.15
A	242	302	379	472	578	698	762	830	901
M	6.75	8.5	10.7	13.45	16.6	20.2	22.1	24.05	26.05
E	56.3	60.6	65.1	68.5	69.6	67.7	65.3	62	57.6
%									
80 (235)	20100	25600	32600	41100	51000	62200	68300	74700	81500
C	2510	2550	2560	2570	2570	2580	2600	2610	2630
P	4.65	4.7	4.7	4.75	4.75	4.75	4.75	4.75	4.8
A	242	304	382	475	583	704	769	838	910
M	8	10.1	12.75	16	19.8	24.05	26.3	28.6	30.95
E	57.9	61.9	65.6	67.6	66.9	62.4	58.6	53.6	47.3
%									

NON-STANDARD CONDITIONS: Nominal Performance Values (±10%) 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), %:Isentropic Efficiency(%)

