

Rating Conditions

11.1 K Superheat
8.3 K Subcooling
35 °C Ambient Air Over

50 Hz Operation

AIR CONDITIONING

ZPD154KCE-TED

HFC-410A
COPELAND SCROLL®
TED 380/420-3-50

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

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

	-28.9(2.8)	-23.3(3.5)	-17.8(4.3)	-12.2(5.3)	-6.7(6.4)	-1.1(7.7)	4.4(9.2)	10.0(10.8)	15.6(12.8)	21.1(14.9)	23.9(16)	26.7(17.3)
65.6 (43.3)												
C												
P								27,000	33,000	40,000		
A								15,000	15,100	15,200		
M								25.6	25.8	25.9		
E								203	245	293		
%								1.8	2.2	2.6		
								62.4	65.9	68.3		
60.0 (38.3)												
C						24,800	30,500	37,000	44,500	53,500	58,500	63,500
P						13,100	13,200	13,300	13,400	13,500	13,500	13,600
A						22.9	23.1	23.2	23.4	23.5	23.6	23.7
M						173	209	251	299	354	385	419
E						1.9	2.3	2.8	3.3	4.0	4.3	4.7
%						63.4	67.3	69.9	71.1	70.9	70.1	68.9
54.4 (33.9)												
C					22,200	27,600	33,500	41,000	49,000	58,500	64,000	69,500
P					11,400	11,500	11,600	11,700	11,800	11,900	12,000	12,100
A					20.6	20.8	20.9	21.0	21.2	21.4	21.5	21.6
M					145	178	214	256	305	360	392	426
E					1.9	2.4	2.9	3.5	4.2	4.9	5.3	5.8
%					63.7	68.4	71.4	72.8	72.6	70.6	68.8	66.4
48.9 (29.9)												
C				19,300	24,300	30,000	36,500	44,000	53,000	63,000	69,000	75,000
P				9,950	10,000	10,100	10,200	10,300	10,500	10,600	10,700	10,800
A				18.7	18.8	18.9	19.1	19.2	19.4	19.6	19.7	19.9
M				120	149	182	218	260	310	366	397	432
E				1.9	2.4	3.0	3.6	4.3	5.1	6.0	6.4	7.0
%				63.1	68.7	72.3	74.2	74.2	72.2	68.0	64.9	61.1
43.3 (26.2)												
C			16,300	21,100	26,400	32,500	39,500	47,500	57,000	68,000	74,000	
P			8,650	8,700	8,800	8,900	9,000	9,150	9,300	9,500	9,600	
A			17.0	17.1	17.2	17.4	17.5	17.7	17.9	18.1	18.3	
M			97	123	152	184	221	264	313	370	403	
E			1.9	2.4	3.0	3.7	4.4	5.2	6.1	7.1	7.7	
%			61.1	68.2	72.7	75.1	75.5	73.6	69.3	62.4	57.7	
37.8 (22.9)												
C		13,350	17,800	22,700	28,100	34,500	42,000	50,500	60,500			
P		7,500	7,550	7,650	7,750	7,850	8,000	8,150	8,350			
A		15.7	15.7	15.8	15.9	16.1	16.2	16.4	16.7			
M		76	100	126	154	186	223	266	317			
E		1.8	2.4	3.0	3.6	4.4	5.2	6.2	7.3			
%		57.8	66.5	72.2	75.4	76.2	74.7	70.6	63.5			
26.7 (17.3)												
C	11,950	16,000	20,400	25,500	31,500	38,500	46,500	56,000				
P	5,650	5,700	5,750	5,850	5,950	6,150	6,350	6,550				
A	13.5	13.6	13.6	13.7	13.9	14.1	14.3	14.6				
M	62	82	104	128	155	188	225	270				
E	2.1	2.8	3.6	4.4	5.3	6.3	7.3	8.6				
%	60.7	69.5	74.6	76.7	76.0	72.2	65.3	54.7				
21.1 (14.9)												
C	13,250	17,200	21,600	26,800	33,000	40,000	48,500					
P	4,860	4,900	4,970	5,100	5,250	5,450	5,700					
A	12.6	12.7	12.8	12.9	13.1	13.3	13.6					
M	66	85	105	129	156	188	226					
E	2.7	3.5	4.3	5.3	6.3	7.4	8.6					
%	68.2	74.4	77.1	76.7	73.1	66.0	55.4					
10.0 (10.8)												
C	15,700	19,500	23,800	29,300	36,000							
P	3,460	3,530	3,660	3,840	4,060							
A	11.0	11.1	11.2	11.5	11.7							
M	72	88	107	130	157							
E	4.6	5.5	6.5	7.6	8.8							
%	83.4	82.6	78.3	70.2	58.4							

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