

ZXDY-030E-TFM-454

3274886 digital scroll

COPELAND

Evaporating Temperature, °C

R407C

Ambient °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
27.0	2.49	3.14	3.90	4.79	5.79	6.93	8.18	8.72	9.55	10.30
32.0	2.34	2.96	3.68	4.51	5.45	6.52	7.70	8.20	8.98	9.66
38.0			3.40	4.16	5.03	6.01	7.09	7.56	8.28	8.91
43.0				3.86	4.67	5.57	6.58	7.01	7.68	8.27
46.0					4.44	5.31	6.26	6.67		
49.0						5.03				

R448A

Ambient °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	
27.0		3.63	4.44	5.35	6.38	7.51	8.75	9.26	10.05	
32.0		3.44	4.19	5.05	6.00	7.06	8.20	8.69	9.43	
38.0			3.89	4.67	5.54	6.50	7.54	7.97	8.65	
43.0				4.35	5.14	6.02				
46.0				4.15						
49.0										

R449A

Ambient °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	
27.0		3.64	4.45	5.37	6.40	7.54	8.78	9.30	10.10	
32.0		3.45	4.21	5.06	6.02	7.08	8.23	8.72	9.47	
38.0			3.90	4.69	5.56	6.52	7.57	8.01	8.68	
43.0				4.36	5.16	6.04				
46.0				4.16						
49.0										

R454C

Ambient °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	
27.0	2.79	3.45	4.21	5.07	6.04	7.11	8.26	8.75	9.51	
32.0	2.60	3.22	3.93	4.73	5.63	6.62	7.71	8.16	8.87	
38.0	2.37	2.93	3.58	4.31	5.13	6.04	7.02	7.44	8.09	
43.0	2.18	2.69	3.28	3.95	4.70	5.54	6.44	6.83		
46.0	2.06	2.55	3.10	3.74	4.44	5.23				
49.0		2.40	2.92	3.51						

R455A

Ambient °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	
27.0	3.14	3.83	4.62	5.51	6.48	7.53	8.65	9.12	9.84	
32.0	2.92	3.57	4.30	5.12	6.02	6.99	8.04	8.47	9.14	
38.0	2.65	3.24	3.90	4.64	5.45	6.34	7.29	7.68		
43.0	2.42	2.96	3.56	4.23	4.97	5.78				
46.0	2.28	2.78	3.35	3.98	4.68					
49.0		2.61	3.13							

ZXDY-040E-TFM-454

3274897 digital scroll

COPELAND

Evaporating Temperature, °C

R407C

Ambient °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
27.0	3.30	4.17	5.21	6.42	7.83	9.44	11.25	12.00	13.25	14.35
32.0	3.11	3.93	4.91	6.05	7.38	8.90	10.60	11.35	12.50	13.55
38.0		3.63	4.54	5.59	6.82	8.23	9.82	10.50	11.60	12.55
43.0				5.20	6.34	7.66	9.14	9.79	10.80	11.70
46.0				4.97	6.05	7.31	8.73	9.35	10.35	11.20
49.0					5.76	6.95	8.31	8.90	9.84	

R448A

Ambient °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	
27.0	3.89	4.83	5.93	7.20	8.65	10.30	12.10	12.85	14.05	
32.0		4.58	5.61	6.80	8.16	9.68	11.40	12.10	13.25	
38.0			5.22	6.31	7.56	8.95	10.50	11.15	12.20	
43.0				5.89	7.04	8.33	9.76	10.35	11.35	
46.0				5.63	6.72	7.95	9.31			
49.0				5.36	6.40					

R449A

Ambient °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	
27.0	3.90	4.85	5.95	7.23	8.68	10.30	12.15	12.90	14.15	
32.0		4.59	5.63	6.83	8.19	9.72	11.40	12.15	13.30	
38.0			5.24	6.34	7.59	8.99	10.55	11.20	12.25	
43.0			4.90	5.91	7.07	8.37	9.81	10.40	11.40	
46.0				5.65	6.75	7.98	9.35			
49.0				5.39	6.43					

R454C

Ambient °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	
27.0	3.72	4.61	5.65	6.85	8.21	9.74	11.45	12.15	13.25	
32.0	3.47	4.31	5.28	6.40	7.67	9.10	10.70	11.35	12.40	
38.0	3.17	3.93	4.82	5.84	7.01	8.32	9.78	10.40	11.40	
43.0	2.91	3.61	4.43	5.37	6.44	7.66	9.01	9.59	10.50	
46.0	2.75	3.42	4.19	5.08	6.10	7.25	8.54	9.09	9.96	
49.0		3.22	3.95	4.79	5.75	6.84				

R455A

Ambient °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	
27.0	4.18	5.09	6.15	7.37	8.73	10.25	11.90	12.65	13.75	
32.0	3.90	4.76	5.74	6.86	8.13	9.55	11.10	11.75	12.80	
38.0	3.56	4.34	5.23	6.25	7.40	8.69	10.10	10.70	11.65	
43.0	3.26	3.98	4.80	5.73	6.79	7.97	9.27	9.83		
46.0	3.08	3.76	4.54	5.42	6.41	7.53				
49.0		3.54	4.27	5.09	6.03					

ZXDY-050E-TFM-454

3274900 digital scroll

COPELAND

Evaporating Temperature, °C

R407C

Ambient °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
27.0	4.13	5.24	6.53	8.01	9.70	11.60	13.75	14.65	16.05	17.30
32.0	3.86	4.92	6.14	7.55	9.16	10.95	13.00	13.85	15.20	16.35
38.0			5.67	6.98	8.48	10.15	12.05	12.85	14.10	15.25
43.0				6.49	7.89	9.48	11.25	12.00	13.20	14.25
46.0					7.53	9.05	10.75	11.50	12.65	
49.0						8.62	10.25			

R448A

Ambient °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	
27.0	4.85	6.04	7.41	8.96	10.70	12.60	14.75	15.60	17.00	
32.0		5.71	7.00	8.46	10.10	11.90	13.90	14.70	16.00	
38.0			6.49	7.84	9.34	11.00	12.85	13.60	14.80	
43.0				7.31	8.70	10.25	11.95			
46.0				6.98	8.31					
49.0										

R449A

Ambient °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	
27.0	4.87	6.06	7.43	8.98	10.75	12.65	14.80	15.70	17.05	
32.0		5.73	7.02	8.48	10.10	11.95	13.95	14.75	16.10	
38.0			6.52	7.87	9.38	11.05	12.90	13.65	14.85	
43.0				7.34	8.74	10.30	11.95			
46.0				7.01	8.34					
49.0										

R454C

Ambient °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	
27.0	4.64	5.74	7.01	8.45	10.05	11.85	13.85	14.70	16.00	
32.0	4.32	5.35	6.54	7.89	9.41	11.10	12.95	13.75	14.95	
38.0	3.93	4.87	5.96	7.20	8.60	10.15	11.85	12.60	13.75	
43.0	3.60	4.47	5.47	6.61	7.91	9.35	10.95	11.65	12.70	
46.0	3.39	4.22	5.17	6.26	7.49	8.86	10.40			
49.0		3.97	4.87	5.90	7.06					

R455A

Ambient °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	
27.0	5.21	6.35	7.66	9.13	10.75	12.60	14.55	15.35	16.65	
32.0	4.85	5.92	7.14	8.52	10.05	11.75	13.60	14.35	15.55	
38.0	4.42	5.40	6.51	7.76	9.16	10.70	12.40	13.10	14.25	
43.0	4.05	4.95	5.97	7.12	8.41	9.84	11.40			
46.0	3.83	4.68	5.64	6.73	7.95					
49.0		4.40	5.30	6.33						

ZXDY-060E-TFM-454

3274911 digital scroll

COPELAND

Evaporating Temperature, °C

R407C

Ambient °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
27.0	4.91	6.21	7.72	9.44	11.40	13.55	15.95	16.95	18.55	19.95
32.0	4.59	5.83	7.27	8.90	10.75	12.80	15.05	16.05	17.55	18.85
38.0			6.71	8.24	9.96	11.90	14.00	14.90	16.30	17.55
43.0				7.67	9.28	11.10	13.10	13.95	15.25	
46.0					8.87	10.60	12.50	13.35		
49.0						10.10				

R448A

Ambient °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	
27.0		7.18	8.80	10.60	12.60	14.85	17.20	18.20	19.75	
32.0		6.78	8.30	10.00	11.90	13.95	16.20	17.15	18.60	
38.0			7.69	9.27	11.00	12.90	14.95	15.80	17.15	
43.0				8.62	10.25	12.00				
46.0				8.23						
49.0										

R449A

Ambient °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	
27.0	5.78	7.20	8.82	10.65	12.65	14.85	17.25	18.30	19.85	
32.0		6.80	8.33	10.05	11.95	14.00	16.25	17.20	18.65	
38.0			7.72	9.30	11.05	12.95	15.00	15.85	17.20	
43.0				8.66	10.30	12.05				
46.0				8.26						
49.0										

R454C

Ambient °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	
27.0	5.50	6.80	8.28	9.95	11.80	13.90	16.10	17.05	18.55	
32.0	5.11	6.33	7.71	9.28	11.05	12.95	15.10	15.95	17.35	
38.0	4.64	5.75	7.02	8.46	10.05	11.85	13.80	14.60	15.90	
43.0	4.24	5.27	6.44	7.77	9.26	10.90	12.70			
46.0	4.00	4.98	6.09	7.35	8.76	10.35				
49.0		4.68	5.73	6.92						

R455A

Ambient °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	
27.0	6.17	7.52	9.05	10.75	12.65	14.75	16.95	17.90	19.35	
32.0	5.75	7.01	8.43	10.05	11.80	13.75	15.85	16.70	18.05	
38.0	5.23	6.38	7.68	9.14	10.75	12.55	14.45	15.25		
43.0	4.80	5.85	7.04	8.38	9.87	11.50				
46.0	4.53	5.52	6.65	7.91	9.32					
49.0		5.20	6.25	7.44						

ZXDY-075E-TFM-454

3274922 digital scroll

COPELAND

Evaporating Temperature, °C

R407C

Ambient °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
27.0	6.06	7.67	9.53	11.65	14.10	16.80	19.75	21.00	23.00	24.70
32.0	5.66	7.19	8.96	11.00	13.25	15.85	18.65	19.85	21.70	23.40
38.0			8.25	10.15	12.25	14.65	17.25	18.40	20.10	21.70
43.0					11.40	13.60	16.05	17.10	18.75	
46.0					10.85	12.95	15.35			
49.0						12.30				

R448A

Ambient °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	
27.0		8.85	10.80	13.00	15.50	18.20	21.10	22.30	24.20	
32.0		8.35	10.20	12.30	14.60	17.10	19.85	21.00	22.80	
38.0			9.44	11.35	13.45	15.80	18.30	19.35		
43.0				10.55	12.50	14.65				
46.0				10.05						
49.0										

R449A

Ambient °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	
27.0		8.87	10.85	13.05	15.50	18.25	21.20	22.40	24.30	
32.0		8.38	10.25	12.30	14.65	17.15	19.90	21.10	22.80	
38.0			9.48	11.40	13.50	15.85	18.35	19.40	21.00	
43.0				10.60	12.55	14.70				
46.0				10.10						
49.0										

R454C

Ambient °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	
27.0	6.80	8.39	10.20	12.25	14.55	17.10	19.85	21.00	22.80	
32.0	6.32	7.81	9.51	11.45	13.60	15.95	18.55	19.65	21.30	
38.0	5.73	7.10	8.65	10.40	12.40	14.55	16.95	17.95	19.50	
43.0	5.24	6.49	7.92	9.54	11.35	13.35	15.55			
46.0	4.94	6.13	7.48	9.01	10.75	12.65				
49.0		5.76	7.03	8.48						

R455A

Ambient °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	
27.0	7.63	9.29	11.15	13.25	15.60	18.15	20.90	22.00	23.80	
32.0	7.11	8.65	10.40	12.35	14.55	16.90	19.45	20.60	22.20	
38.0	6.46	7.87	9.45	11.25	13.20	15.40	17.75	18.75		
43.0	5.92	7.20	8.65	10.30	12.10	14.10				
46.0	5.58	6.79	8.16	9.70	11.40					
49.0		6.38	7.66							