

ZXLY-020E-TFD-454 3274933

COPELAND

Evaporating Temperature, °C

R448A

Ambient °C	Cooling Capacity, kW							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
27.0	1.02	1.32	1.66	2.06	2.52	3.05	3.66	4.34
32.0	0.97	1.24	1.56	1.94	2.39	2.89	3.46	4.10
38.0	0.89	1.14	1.44	1.80	2.20	2.67	3.20	3.79
43.0	0.82	1.06	1.34	1.66	2.04	2.47	2.96	3.51
46.0	0.77	1.00	1.26	1.57	1.92	2.34		
49.0	0.72							

R449A

Ambient °C	Cooling Capacity, kW							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
27.0	1.02	1.32	1.66	2.06	2.53	3.07	3.68	4.36
32.0	0.97	1.25	1.57	1.95	2.39	2.90	3.48	4.13
38.0	0.89	1.15	1.45	1.80	2.21	2.68	3.22	3.82
43.0	0.82	1.06	1.34	1.66	2.05	2.48	2.98	3.54
46.0	0.77	1.00	1.27	1.58	1.94	2.35		
49.0	0.72	0.94						

R454C

Ambient °C	Cooling Capacity, kW										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	0.90	1.15	1.44	1.76	2.13	2.53	2.97	3.45	3.96	4.50	4.72
32.0	0.83	1.06	1.33	1.63	1.97	2.35	2.76	3.20	3.68		
38.0	0.75	0.96	1.20	1.47	1.78	2.12	2.49	2.90			
43.0	0.68	0.87	1.08	1.34	1.62	1.92					
46.0	0.63	0.81	1.02								
49.0											

R455A

Ambient °C	Cooling Capacity, kW										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	1.05	1.33	1.65	2.01	2.41	2.86	3.34	3.86	4.41	4.99	
32.0	0.97	1.23	1.52	1.86	2.23	2.64	3.08	3.57	4.08	4.63	
38.0	0.87	1.10	1.37	1.67	2.00	2.37	2.77	3.21			
43.0	0.80	1.01	1.25	1.51	1.81	2.14	2.51				
46.0	0.75	0.94	1.16	1.42	1.69	2.00					
49.0											

ZXLY-030E-TFD-454

3274944

COPELAND

Evaporating Temperature, °C

R448A

Ambient °C	Cooling Capacity, kW							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
27.0	1.38	1.77	2.23	2.76	3.38	4.10	4.90	5.80
32.0	1.32	1.70	2.13	2.64	3.22	3.89	4.65	5.50
38.0	1.25	1.60	2.00	2.47	3.01	3.63	4.33	5.12
43.0	1.18	1.51	1.89	2.33	2.83	3.40		
46.0	1.13	1.45	1.82	2.23				
49.0	1.08							

R449A

Ambient °C	Cooling Capacity, kW							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
27.0	1.38	1.78	2.23	2.77	3.40	4.11	4.93	5.84
32.0	1.33	1.70	2.14	2.64	3.23	3.91	4.67	5.53
38.0	1.26	1.60	2.01	2.48	3.02	3.65	4.36	5.16
43.0	1.18	1.52	1.90	2.33	2.84	3.42	4.09	
46.0	1.14	1.46	1.82	2.24	2.73			
49.0	1.08							

R454C

Ambient °C	Cooling Capacity, kW										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	1.23	1.54	1.91	2.33	2.80	3.32	3.87	4.45	5.04		
32.0	1.14	1.44	1.77	2.16	2.58	3.05	3.55	4.07			
38.0	1.03	1.30	1.60	1.94	2.31	2.71					
43.0	0.94	1.18	1.44								
46.0	0.88										
49.0											

R455A

Ambient °C	Cooling Capacity, kW										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	1.50	1.88	2.32	2.81	3.36	3.97	4.62	5.32	6.06	6.84	
32.0	1.38	1.74	2.14	2.60	3.10	3.66	4.27	4.91	5.60		
38.0	1.25	1.56	1.92	2.33	2.78	3.28	3.82				
43.0	1.12	1.41	1.73	2.09	2.50	2.94					
46.0	1.05	1.32									
49.0											

ZXLY-040E-TFD-454

3274955

COPELAND

Evaporating Temperature, °C

R448A

Ambient °C	Cooling Capacity, kW							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
27.0	2.02	2.57	3.22	3.96	4.82	5.79	6.87	8.05
32.0	1.91	2.44	3.05	3.75	4.56	5.47	6.48	7.60
38.0	1.76	2.26	2.82	3.48	4.22	5.06	5.99	
43.0	1.64	2.10	2.62	3.22				
46.0	1.56	1.99						
49.0								

R449A

Ambient °C	Cooling Capacity, kW							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
27.0	2.02	2.58	3.23	3.98	4.84	5.82	6.91	8.11
32.0	1.92	2.44	3.06	3.77	4.58	5.50	6.53	7.66
38.0	1.78	2.27	2.84	3.49	4.24	5.09	6.04	
43.0	1.64	2.11	2.63	3.24	3.94			
46.0	1.56	2.00						
49.0								

R454C

Ambient °C	Cooling Capacity, kW										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	1.74	2.16	2.64	3.18	3.75	4.34	4.93				
32.0	1.61	2.00	2.43	2.91	3.41	3.92					
38.0	1.44	1.79	2.16								
43.0	1.28										
46.0											
49.0											

R455A

Ambient °C	Cooling Capacity, kW										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	2.13	2.65	3.25	3.91	4.64	5.43	6.26	7.14	8.05		
32.0	1.96	2.44	2.98	3.59	4.25	4.97	5.73	6.52			
38.0	1.74	2.17	2.65	3.18	3.75	4.38					
43.0	1.54	1.92	2.34								
46.0											
49.0											

ZXLY-050E-TFD-454 3274966

COPELAND

R448A

Evaporating Temperature, °C

Ambient °C	Cooling Capacity, kW							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
27.0	2.48	3.14	3.90	4.76	5.73	6.81	7.99	9.24
32.0	2.33	2.95	3.66	4.46	5.35	6.34	7.42	8.57
38.0	2.14	2.70	3.34	4.05	4.85			
43.0	1.96	2.47	3.04					
46.0								
49.0								

R449A

Ambient °C	Cooling Capacity, kW							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
27.0	2.49	3.15	3.91	4.79	5.77	6.86	8.06	9.34
32.0	2.34	2.96	3.68	4.48	5.39	6.40	7.50	8.68
38.0	2.15	2.72	3.36	4.08	4.90	5.79		
43.0	1.98	2.49	3.07					
46.0								
49.0								

R454C

Ambient °C	Cooling Capacity, kW										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	2.18	2.72	3.35	4.05	4.83	5.66	6.54	7.44			
32.0	2.02	2.53	3.10	3.73	4.43	5.18	5.96				
38.0	1.82	2.28	2.78	3.34	3.94	4.57					
43.0	1.64	2.05									
46.0											
49.0											

R455A

Ambient °C	Cooling Capacity, kW										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	2.61	3.26	3.99	4.82	5.73	6.72	7.78	8.90	10.05		
32.0	2.40	3.00	3.67	4.42	5.25	6.15	7.12	8.14			
38.0	2.13	2.66	3.25	3.91	4.64	5.43	6.27				
43.0	1.89	2.36	2.88								
46.0	1.74										
49.0											

ZXLY-060E-TFD-454 3274977

COPELAND

Evaporating Temperature, °C

R448A

Ambient °C	Cooling Capacity, kW							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
27.0	2.88	3.72	4.65	5.68	6.81	8.04	9.35	10.75
32.0	2.61	3.42	4.30	5.27	6.31	7.44		
38.0	2.20	2.98	3.80	4.69				
43.0								
46.0								
49.0	1.94							

R449A

Ambient °C	Cooling Capacity, kW							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
27.0	2.89	3.74	4.68	5.72	6.86	8.11	9.46	10.90
32.0	2.63	3.45	4.34	5.31	6.38	7.53	8.76	
38.0	2.23	3.02	3.85	4.75				
43.0								
46.0								
49.0								

R454C

Ambient °C	Cooling Capacity, kW										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	2.52	3.14	3.84	4.60	5.42	6.25	7.07				
32.0	2.33	2.90	3.53	4.21	4.92	5.64					
38.0	2.09	2.59	3.14	3.71							
43.0	1.88										
46.0											
49.0											

R455A

Ambient °C	Cooling Capacity, kW										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	3.01	3.74	4.55	5.45	6.42	7.46	8.55	9.68			
32.0	2.75	3.41	4.15	4.96	5.83	6.76	7.74				
38.0	2.41	2.99	3.63	4.32	5.06						
43.0	2.10										
46.0											
49.0											

ZXLY-075E-TFD-454 3274988

COPELAND

R454C

Evaporating Temperature, °C

Ambient °C	Cooling Capacity, kW										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	3.20	3.99	4.89	5.87	6.94	8.06	9.21	10.35			
32.0	2.95	3.68	4.50	5.39	6.34	7.34	8.35				
38.0	2.66	3.31	4.03	4.79	5.61						
43.0	2.40	2.99									
46.0											
49.0											

R455A

Ambient °C	Cooling Capacity, kW										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	3.76	4.66	5.67	6.78	7.98	9.25	10.60	12.00	13.40		
32.0	3.42	4.25	5.16	6.15	7.22	8.36	9.56				
38.0	2.98	3.70	4.48	5.32	6.23	7.20					
43.0	2.57										
46.0											
49.0											