

Copeland EazyCool™ Outdoor Condensing Units for Refrigeration Networks

Copeland™ outdoor condensing unit networks for medium temperature and low temperature applications.

Emerson Climate Technologies has developed this version of outdoor scroll condensing units with interconnectivity in order to create medium and large size refrigeration network systems.

The EazyCool condensing unit networks perfectly fit in applications where larger cooling capacities and capacity modulation are required.

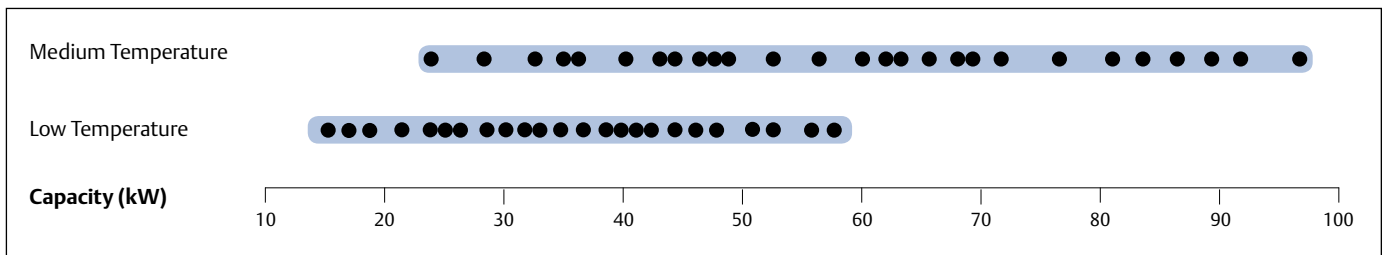
Typical applications are:

- Cold and freeze stores
- Discount and convenience stores
- Supermarkets and mini-markets
- Petrol station forecourts



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Copeland EazyCool Network Line-up



Conditions EN13215 R404A: Evaporating Temperature MT -10°C/LT -35°C, Ambient Temperature 32°C, Suction Gas Return 20°C

Features and Benefits

- Standard equipment: Copeland Scroll™ compressor(s), crankcase heater(s), condenser with thermally protected low speed fan(s), fan speed controller, oil separator, suction and liquid equalization lines, HP and LP switch, oil reservoir, EC2 Electronic controller, weather resistant housing
- Oil control system with oil separator, TRAX OIL on each compressor, oil distribution lines and additional liquid receiver unit for large networks
- LON Master/Slave communication
- Capacity modulation with up to 8 compressors or stepless with Digital Scroll™
- Perfect capacity adjustment by a wide range of combination opportunities

Maximum Allowable Pressures (PS)

- Low Side PS 22.5 bar(g)
- High Side PS 28 bar(g)

Capacity Data - OMQ

R404A		Medium Temperature (-10/+32°C)						
Cooling Capacity (kW)	Motor Capacity (kW)	Model Configuration						
2 Condensing Units Network								
28.0	14.8	OMQ75 NLO	+	OMQ56 NL				
32.2	17.1	OMQ75 NLO	+	OMQ75 NL				
36.0	19.7	OMQ92 NLO	+	OMQ75 NL				
39.8	22.2	OMQ92 NLO	+	OMQ92 NL				
42.8	25.1	OMQ110 NLO	+	OMQ 92 NL				
45.8	28.0	OMQ110 NLO	+	OMQ110 NL				
3 Condensing Units Network								
39.8	21.0	OMQ75 NO	+	OMQ56 N	+	OMQ56 N		
44.0	23.3	OMQ75 NO	+	OMQ75 N	+	OMQ56 N		
48.3	25.7	OMQ75 NO	+	OMQ75 N	+	OMQ75 N		
52.1	28.2	OMQ92 NO	+	OMQ75 N	+	OMQ75 N		
55.9	30.8	OMQ92 NO	+	OMQ92 N	+	OMQ75 N		
59.7	33.3	OMQ92 NO	+	OMQ92 N	+	OMQ92 N		
62.7	36.2	OMQ110 NO	+	OMQ92 N	+	OMQ92 N		
65.7	39.1	OMQ110 NO	+	OMQ110 N	+	OMQ92 N		
68.7	42.0	OMQ110 NO	+	OMQ110 N	+	OMQ110 N		
4 Condensing Units Network								
51.6	27.2	OMQ75 NO	+	OMQ56 N	+	OMQ56 N	+	OMQ56 N
55.9	29.5	OMQ75 NO	+	OMQ75 N	+	OMQ56 N	+	OMQ56 N
60.1	31.9	OMQ75 NO	+	OMQ75 N	+	OMQ75 N	+	OMQ56 N
64.4	34.2	OMQ75 NO	+	OMQ75 N	+	OMQ75 N	+	OMQ75 N
68.2	36.8	OMQ92 NO	+	OMQ75 N	+	OMQ75 N	+	OMQ75 N
72.0	39.3	OMQ92 NO	+	OMQ92 N	+	OMQ75 N	+	OMQ75 N
75.8	41.9	OMQ92 NO	+	OMQ92 N	+	OMQ92 N	+	OMQ75 N
79.6	44.4	OMQ92 NO	+	OMQ92 N	+	OMQ92 N	+	OMQ92 N
82.6	47.3	OMQ110 NO	+	OMQ92 N	+	OMQ92 N	+	OMQ92 N
85.6	50.2	OMQ110 NO	+	OMQ110 N	+	OMQ92 N	+	OMQ92 N
88.6	53.1	OMQ110 NO	+	OMQ110 N	+	OMQ110 N	+	OMQ92 N
91.6	56.0	OMQ110 NO	+	OMQ110 N	+	OMQ110 N	+	OMQ110 N

Conditions: EN13215: Suction Gas Return 20°C, Suction Superheat 10K

Capacity Data - OLQ

R404A		Low Temperature (-35/+32°C)						
Cooling Capacity (kW)	Motor Capacity (kW)	Model Configuration						
2 Condensing Units Network								
16.4	13.9	OLQ33V NLO	+	OLQ24V NL				
18.7	16.4	OLQ33V NLO	+	OLQ33V NL				
20.9	17.0	OLQ40V NLO	+	OLQ33V NL				
23.0	17.6	OLQ40V NLO	+	OLQ40V NL				
25.4	20.6	OLQ48V NLO	+	OLQ40V NL				
27.8	23.6	OLQ48V NLO	+	OLQ48V NL				
3 Condensing Units Network								
23.4	19.6	OLQ33V NO	+	OLQ24V N	+	OLQ24V N		
25.7	22.1	OLQ33V NO	+	OLQ33V N	+	OLQ24V N		
28.1	24.6	OLQ33V NO	+	OLQ33V N	+	OLQ33V N		
30.2	25.2	OLQ40V NO	+	OLQ33V N	+	OLQ33V N		
32.4	25.8	OLQ40V NO	+	OLQ40V N	+	OLQ33V N		
34.5	26.4	OLQ40V NO	+	OLQ40V N	+	OLQ40V N		
36.9	29.4	OLQ48V NO	+	OLQ40V N	+	OLQ40V N		
39.3	32.4	OLQ48V NO	+	OLQ48V N	+	OLQ40V N		
41.7	35.4	OLQ48V NO	+	OLQ48V N	+	OLQ48V N		
4 Condensing Units Network								
30.4	25.3	OLQ33V NO	+	OLQ24V N	+	OLQ24V N	+	OLQ24V N
32.7	27.8	OLQ33V NO	+	OLQ33V N	+	OLQ24V N	+	OLQ24V N
35.1	30.3	OLQ33V NO	+	OLQ33V N	+	OLQ33V N	+	OLQ24V N
37.4	32.8	OLQ33V NO	+	OLQ33V N	+	OLQ33V N	+	OLQ33V N
39.6	33.4	OLQ40V NO	+	OLQ33V N	+	OLQ33V N	+	OLQ33V N
41.7	34.0	OLQ40V NO	+	OLQ40V N	+	OLQ33V N	+	OLQ33V N
43.9	34.6	OLQ40V NO	+	OLQ40V N	+	OLQ40V N	+	OLQ33V N
46.0	35.2	OLQ40V NO	+	OLQ40V N	+	OLQ40V N	+	OLQ40V N
48.4	38.2	OLQ48V NO	+	OLQ40V N	+	OLQ40V N	+	OLQ40V N
50.8	41.2	OLQ48V NO	+	OLQ48V N	+	OLQ40V N	+	OLQ40V N
53.2	44.2	OLQ48V NO	+	OLQ48V N	+	OLQ48V N	+	OLQ40V N
55.6	47.2	OLQ48V NO	+	OLQ48V N	+	OLQ48V N	+	OLQ48V N

Conditions: EN13215: Suction Gas Return 20°C, Suction Superheat 10K

