

Copeland™ ZX Outdoor Refrigeration Units For A2L Refrigerants

The Copeland ZX outdoor refrigeration units for A2L refrigerants offer additional benefits for wholesalers, installers and operators.

With this new range of Copeland ZX outdoor refrigeration units, Emerson offers a low GWP solution for refrigeration applications with space and noise constraints which responds to the increasing demand for energy-efficient and future-proof refrigeration solutions.

Copeland ZX units feature the most complete and unique equipment. The modified design, the innovative control logic and a selection of dedicated components enable legal compliance for applications with A2L refrigerants. The advanced electronic controller enables precise parameter control and displays the system status. Electronic protection functions, oil separator and suction accumulator guarantee optimum system safety. The range is completed by models with stepless digital capacity modulation which are well established in applications with multiple evaporators and precise temperature control.

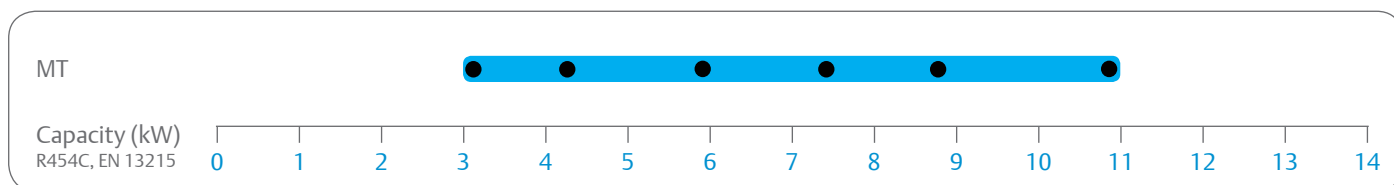


The new Copeland series of outdoor refrigeration units are specifically designed to cater for a wide range of refrigeration applications which request a low GWP and future-proof solution:

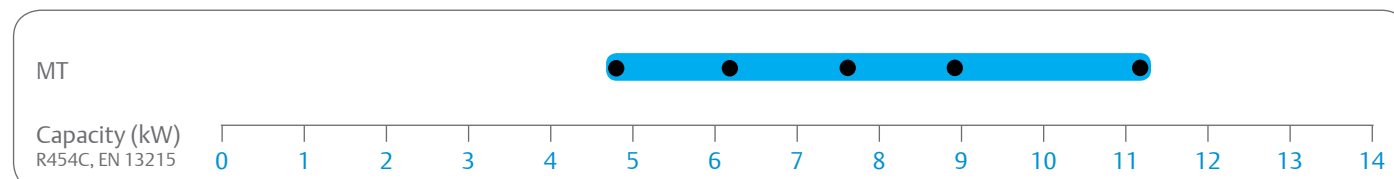
- Convenience stores
- Cold rooms
- Fast food chains and restaurants
- Beverage coolers

Capacity Line-up

ZX



ZX Digital



Technical Overview

Model	Displacement (m³/h)	Receiver Capacity (l)	Number of fans	Total Fan Motor Power (W)	Suction Line Diameter (inch)	Liquid Line Diameter (inch)	Width/ Depth/ Height (mm)	Net Weight (kg)	Motor Version/ Code	Maximum Operating Current (A)	Locked Rotor Current (A)	Sound Pressure
									3 Ph*	3 Ph*	3 Ph*	@10m - d(BA)**
Medium Temperature Models												
ZXMY-020E	5.8	4.1	1	115	3/4	1/2	446/1035/840	76	TFD	4.2	26	38
ZXMY-030E	8.0	4.1	1	115	3/4	1/2	446/1035/840	79	TFD	5.5	32	39
ZXMY-040E	11.4	4.1	1	115	3/4	1/2	446/1035/840	91	TFD	7.8	50	39
ZXMY-050E	14.4	5.9	2	230	7/8	1/2	446/1035/1244	108	TFD	10.1	64	40
ZXMY-060E	17.1	5.9	2	230	7/8	1/2	446/1035/1244	112	TFD	11.8	74	40
ZXMY-075E	21.4	5.9	2	230	7/8	1/2	446/1035/1244	118	TFD	15.9	102	41
Digital Medium Temperature Models												
ZXDY-030E	8.0	4.1	1	115	3/4	1/2	446/1035/840	79	TFD	6.7	40	39
ZXDY-040E	11.4	5.9	2	230	7/8	1/2	446/1035/1244	104	TFD	10.0	48	39
ZXDY-050E	14.4	5.9	2	230	7/8	1/2	446/1035/1244	108	TFD	11.3	64	40
ZXDY-060E	17.1	5.9	2	230	7/8	1/2	446/1035/1244	112	TFD	12.3	74	40
ZXDY-075E	21.4	5.9	2	230	7/8	1/2	446/1035/1244	118	TFD	15.9	102	41

* 3ph: 380-420V/ 50Hz

** @ 10m: sound pressure level at 10m distance from the compressor, free field condition

Features and Benefits

Standard equipment

- Copeland™ scroll compressor, crankcase heater, liquid receiver, service valves, filter drier & sight glass
- External main power switch
- Fan speed control

Wide choice of low GWP refrigerants

- Multiple A2L refrigerants approved: R454A, R454C, R455A, R1234yf
- Enabling F-Gas compliance
- Enabling Eco-design compliance

Quiet operation

- Low sound Copeland scroll compressor
- New fans with improved sound level
- Fan speed control

Minimized operating costs

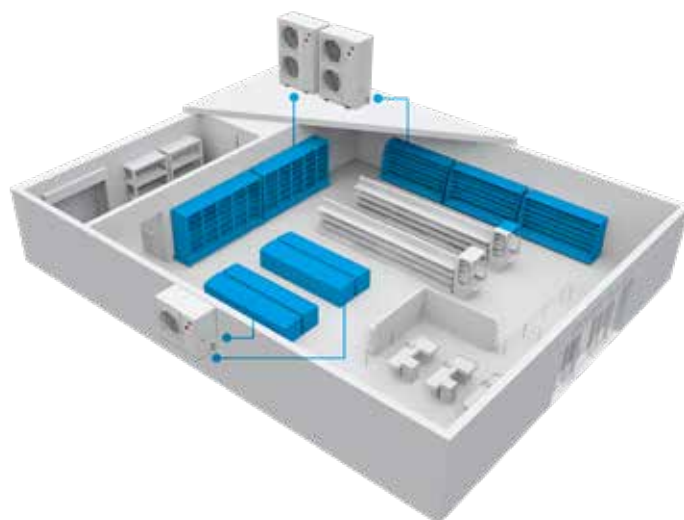
- High efficiency Copeland scroll compressor
- Digital capacity modulation (ZX Digital)
- Speed modulating high efficiency fan
- Intelligent protection and diagnostics

Reduced service costs

- Easy access to all components
- Scroll liquid handling capability for higher reliability than reciprocating technology
- Wider operating envelope of scroll than reciprocating technology

Designed for time and space saving installations

- Plug & Play installation/commissioning
- Hinged door for better access
- Easy handling through compact & light weight design
- Perfect for wall mount or roof mount applications



For more details, see climate.emerson.com/en-gb

Emerson Commercial & Residential Solutions

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