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TO: All Customers
FROM: Emerson Commercial & Residential Solutions – Europe
Emerson Climate Technologies GmbH
SUBJECT: Copeland ZX Outdoor Low Temperature Refrigeration Units for
A2L Refrigerants - Product Launch

Emerson Commercial and Residential Solutions is pleased to announce the release of the new range of Copeland ZX outdoor low temperature refrigeration units for A2L refrigerants.

The new range of ZX low temperature refrigeration units comprises 6 models. The units are equipped with highly efficient Copeland Scroll compressors and are optimized for use with multiple A2L refrigerants, giving customers high reliability and flexibility for applications using low GWP refrigerants.



The key benefits of Copeland ZX outdoor refrigeration units for A2L refrigerants are:

Optimised design for mildly flammable refrigerants

- Use of dedicated A2L approved components
- Full hermetic design reducing risk of leakage
- New fan with safety logic to vent the housing in case of need
- Sealed electrical box
- Low volume mini-channel condenser minimizing refrigerant charge

Maximum reliability to reduce life cycle costs

- Corrosion protection through galvanized panels and coated condenser fins
- Oil separator maintaining correct oil levels
- Advanced electronic protection against incorrect voltage and phase imbalance

Superior energy efficiency to reduce operational costs

- Highly efficient Copeland Scroll™ compressors combined with generously sized condensers providing the highest level of efficiency and significant energy savings

Multiple refrigerant approval to increase application flexibility

- One model fits all as all models are approved for A1 and A2L refrigerants: R454A, R454C, R455A, R448A/R449A, R407A/F
- Easier logistics and lower stock levels
- Enabling long term F-Gas Compliance with low GWP (< 150) options

Cost and time saving installation and service

- Plug and Play installation
- External main power switch
- Easy access to components through the front door
- One single controller type for all models reducing complexity
- System information displayed through a transparent window

Advanced controller concept for precise system control

- Precise electronic suction pressure control on all models
- Precise and adjustable fan speed control on condensing pressure input
- Cold room temperature control functionality
- Modbus communication

The table below outlines the unit range and provides ordering information:

Application	HP	Ident	Model	LT Capacity*
Low Temp Fix Speed ~3phase	2HP	3274933	ZXLY-020E-TFD-454	1.1 kW
	3HP	3274944	ZXLY-030E-TFD-454	1.4 kW
	4HP	3274955	ZXLY-040E-TFD-454	2.0 kW
	5HP	3274966	ZXLY-050E-TFD-454	2.6 kW
	6HP	3274977	ZXLY-060E-TFD-454	3.0 kW
	7.5HP	3274988	ZXLY-075E-TFD-454	3.8 kW

* EN13215 LT condition with R454C

The new models comply with the latest energy efficiency requirements according to EU Regulation 2015/1095.

All new models listed above can be ordered starting 1st. of March 2022.

For further information please contact your local Emerson Climate Technologies representative.