

# Copeland EazyCool™ ZX Outdoor Refrigeration Units with Scroll Compressors

Copeland™ compact outdoor refrigeration units are for medium-temperature and low-temperature applications.

With this new range of outdoor refrigeration units, Emerson Climate Technologies offers a solution for refrigeration applications with space and noise constraints which responds to the increasing demand for energy-efficient refrigeration solutions units.

Copeland EazyCool ZX outdoor refrigeration units feature the most complete and unique equipment. Their advanced electronic controller enables precise parameter control and displays the system status. Vapor injection and liquid injection technology significantly increase system efficiency and operation map. Electronic protection functions, oil separator and suction accumulator guarantee optimum system safety.

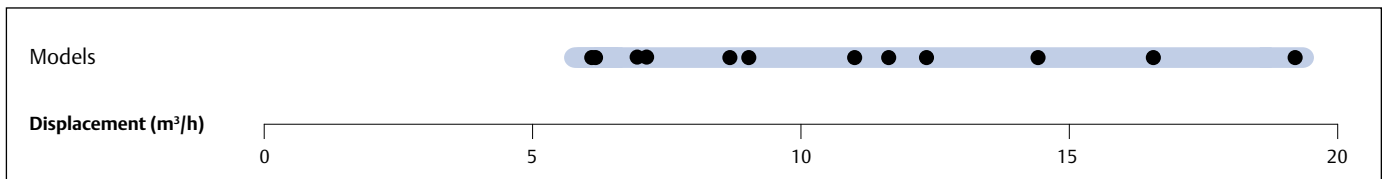
Lowest life cycle costs and comprehensive safety features make Copeland EazyCool ZX a cost efficient and reliable choice for:

- Convenience stores
- Cold rooms
- Fast food stores, bars and restaurants
- Beverage coolers

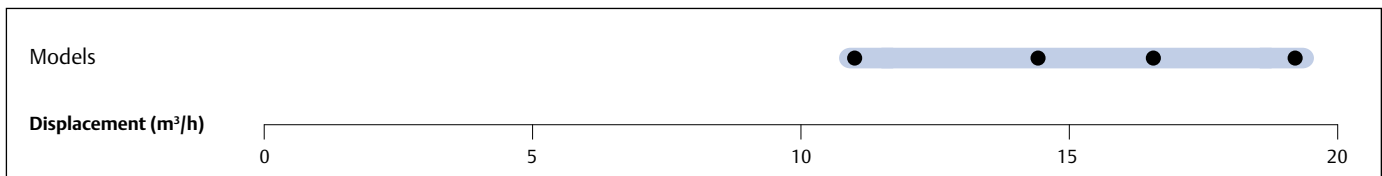


*Copeland EazyCool ZX Outdoor Refrigeration Units with Scroll Compressors*

## Copeland EazyCool ZX Line-up



## Copeland EazyCool ZX Digital Line-up



## Features and Benefits

- Standard equipment: Copeland Scroll™ compressor, crankcase heater, electronic controller, fan(s) with speed control, liquid receiver, safety switches, filter drier and sight glass, oil separator and suction accumulator (LT models only)
- Copeland EazyCool ZX Digital models allow for 10% to 100% continuous capacity modulation
- Diagnostic capabilities protect the unit from over-current, phase loss and phase imbalance
- LED display shows real time system status
- Precise electronic suction pressure control
- Energy and operation cost saving due to excellent energy efficiency
- Noise attenuation due to low speed fan motors with sickle blades, fan speed control and sound jacket
- High capacity vapor injection technology for LT models
- Space saving due to compact dimensions
- Easy and quick installation
- Multiple refrigerant approvals incl. R407A/F, R448A/R449A, R404A, R134a, R450A and R513A

## Maximum Allowable Pressures (PS)

- Low Side PS 22.5 bar (g)
- High Side PS 28.8 bar (g)

## Technical Overview

Model	Displacement (m <sup>3</sup> /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 @10m - dB(A)***
									1 Ph*	3 Ph**	1 Ph*	3 Ph**	1 Ph*	3 Ph**	
<b>Medium Temperature Models</b>															
ZXME020E	5.9	4.4	1	116	3/4	1/2	1029/424/840	76.0	PFJ	TFD	13	5	58	26	39.0
ZXME025E	6.8	4.4	1	116	3/4	1/2	1029/424/840	79.0	PFJ	TFD	12	5	61	38	40.0
ZXME030E	8.6	4.4	1	116	3/4	1/2	1029/424/840	79.0	PFJ	TFD	16	7	82	40	40.0
ZXME040E	11.7	4.4	1	116	7/8	1/2	1029/424/840	91.0	PFJ	TFD	24	10	114	49	40.0
ZXME040E	14.4	4.4	1	116	7/8	1/2	1029/424/840	91.0		TFD		10		49	40.0
ZXME050E	17.1	6.3	2	246	7/8	1/2	1029/424/1242	108.0		TFD		13		66	41.0
ZXME060E	18.8	6.3	2	246	7/8	1/2	1029/424/1242	112.0		TFD		13		74	41.0
ZXME075E	11.9	6.3	2	246	7/8	1/2	1029/424/1242	118.0		TFD		14		101	42.0
<b>Digital Medium Temperature Models</b>															
ZXDE-040E	11.4	6.3	2	246	7/8	1/2	1029/424/1242	104.0		TFD		8		48	40.0
ZXDE-050E	14.4	6.3	2	246	7/8	1/2	1029/424/1242	108.0		TFD		11		64	41.0
ZXDE-060E	17.1	6.3	2	246	7/8	1/2	1029/424/1242	112.0		TFD		11		74	41.0
ZXDE-075E	18.8	6.3	2	246	7/8	1/2	1029/424/1242	118.0		TFD		14		100	42.0
<b>Low Temperature Models</b>															
ZXLE020E	6.1	4.4	1	116	3/4	1/2	1029/424/840	79.0	PFJ	TFD	14	6	57	39	39.0
ZXLE025E	7.1	4.4	1	116	3/4	1/2	1029/424/840	79.0	PFJ	TFD	16	6	74	39	39.0
ZXLE030E	8.0	4.4	1	116	3/4	1/2	1029/424/840	81.0	PFJ	TFD	18	7	82	36	40.0
ZXLE040E	12.7	4.4	1	116	7/8	1/2	1029/424/840	93.0		TFD		9		52	40.0
ZXLE050E	14.4	6.3	2	246	7/8	1/2	1029/424/1242	106.0		TFD		12		52	41.0
ZXLE060E	17.1	6.3	2	246	7/8	1/2	1029/424/1242	116.0		TFD		14		74	41.0
ZXLE075E	18.8	6.3	2	246	7/8	1/2	1029/424/1242	121.0		TFD		15		101	41.0

\* 1ph: 230V/ 50Hz

\*\* 3 Ph: 380-420V/ 50Hz

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

## Capacity Data

Ambient Temperature: 32°C															
R407A	Cooling Capacity (kW)							R407A	Power Input (kW)						
	Evaporating Temperature (°C)								Evaporating Temperature (°C)						
	-45	-35	-30	-20	-10	-5	+5		-45	-35	-30	-20	-10	-5	+5
Medium Temperature Models															
ZXME020E					3.5	4.1	5.6	ZXME020E					1.7	1.7	1.7
ZXME025E**					3.9	4.7	6.6	ZXME025E**					1.7	1.8	1.9
ZXME030E					4.9	5.9	8.3	ZXME030E					2.3	2.4	2.6
ZXME040E**					6.0	7.1	9.9	ZXME040E**					3.0	3.1	3.5
ZXME040E					6.3	7.5	10.3	ZXME040E					3.2	3.4	3.8
ZXME050E					8.7	10.4	14.4	ZXME050E					3.7	3.9	4.3
ZXME060E					9.8	11.8	16.4	ZXME060E					4.3	4.5	5.0
ZXME075E					11.3	13.6	18.9	ZXME075E					4.9	5.1	5.6
Low Temperature Models															
ZXLE020E		1.5	1.9	3.0	4.3	5.1	6.7	ZXLE020E		1.4	1.5	1.6	1.8	1.8	2.0
ZXLE025E		1.8	2.2	3.4	5.0	5.9	7.9	ZXLE025E		1.6	1.7	1.8	2.0	2.0	2.3
ZXLE030E		2.0	2.5	3.9	5.6	6.6	8.7	ZXLE030E		1.8	1.9	2.0	2.2	2.3	2.5
ZXLE040E		3.1	3.9	5.9	8.3	9.6		ZXLE040E		2.7	2.9	3.4	4.0	4.4	
ZXLE050E		3.6	4.5	6.8	9.7	11.4	14.8	ZXLE050E		3.1	3.2	3.7	4.3	4.7	5.4
ZXLE060E		4.2	5.3	7.9	11.3	13.1		ZXLE060E		3.7	3.9	4.5	5.3	5.8	
ZXLE075E		4.8	5.9	9.0	13.0	15.2	19.9	ZXLE075E		3.9	4.1	4.6	5.4	5.8	6.7
Digital Medium Temperature Models															
ZXDE-040E				4.7	7.3	8.8	12.5	ZXDE-040E				2.7	2.8	2.9	3.1
ZXDE-050E				5.8	8.7	10.4	14.4	ZXDE-050E				3.5	3.7	3.9	4.3
ZXDE-060E				6.4	9.8	11.8	16.4	ZXDE-060E				4.0	4.3	4.5	5.0
ZXDE-075E				7.4	11.3	13.6	18.9	ZXDE-075E				4.5	4.9	5.1	5.6

Suction Gas Return 20°C / Subcooling 0K

\*\* Single Phase only

Preliminary data

## Capacity Data

Ambient Temperature: 32°C															
R407F	Cooling Capacity (kW)							R407F	Power Input (kW)						
	Evaporating Temperature (°C)								Evaporating Temperature (°C)						
	-45	-35	-30	-20	-10	-5	+5		-45	-35	-30	-20	-10	-5	+5
Medium Temperature Models															
ZXME020E					3.4	4.0	5.7	ZXME020E					1.6	1.6	1.7
ZXME025E**				3.3	5.0	6.0	8.4	ZXME025E**				2.1	2.3	2.5	2.7
ZXME030E					4.9	5.9	8.3	ZXME030E					2.3	2.4	2.6
ZXME040E**				4.0	6.0	7.1	9.9	ZXME040E**				2.8	3.0	3.1	3.5
ZXME040E					6.5*	8.0	10.9	ZXME040E					3.3*	3.5	4.0
ZXME050E				5.7*	8.6	10.4	14.4	ZXME050E				3.5*	3.7	3.9	4.3
ZXME060E				6.2*	9.7	11.8	16.4	ZXME060E				4.0*	4.3	4.5	5.0
ZXME075E				7.1*	11.2	13.6	18.9	ZXME075E				4.5*	4.9	5.1	5.6
Low Temperature Models															
ZXLE020E		1.6	2.0	3.1	4.5	5.3	7.0	ZXLE020E		1.5	1.6	1.7	1.9	1.9	2.2
ZXLE025E		1.8	2.3	3.6	5.3	6.2	8.2	ZXLE025E		1.7	1.8	1.9	2.1	2.2	2.4
ZXLE030E		2.1	2.6	4.0	5.9	6.9	9.1	ZXLE030E		1.9	2.0	2.1	2.3	2.4	2.7
ZXLE040E		3.3	4.1	6.1	8.6*	10.0*		ZXLE040E		2.9	3.1	3.6	4.3*	4.7*	
ZXLE050E		3.8	4.7	7.1	10.2	11.9	15.4	ZXLE050E		3.2	3.4	3.9	4.6	5.0	5.8
ZXLE060E		4.4	5.5	8.3	11.8	13.7		ZXLE060E		3.9	4.1	4.8	5.7	6.2	
ZXLE075E		5.0	6.2	9.4	13.6	15.9	20.8	ZXLE075E		4.1	4.3	4.9	5.7	6.2	7.2
Digital Medium Temperature Models															
ZXDE-040E				4.7	7.2	8.8	12.4	ZXDE-040E				2.8	2.9	3.0	3.2
ZXDE-050E				5.7	8.6	10.5	14.6	ZXDE-050E				3.6	3.9	4.1	4.5
ZXDE-060E				5.9	9.0	10.9	15.1	ZXDE-060E				3.9	4.2	4.4	4.8
ZXDE-075E				6.7	10.2	12.3	17.2	ZXDE-075E				4.3	4.6	4.8	5.2

Suction Gas Return 20°C / Subcooling 0K

\*Suction Superheat 10K, Subcooling 0K

\*\* Single Phase only

Preliminary data

## Capacity Data

Ambient Temperature: 32°C															
R448A	Cooling Capacity (kW)							R448A	Power Input (kW)						
	Evaporating Temperature (°C)								Evaporating Temperature (°C)						
	-45	-35	-30	-20	-10	-5	+5		-45	-35	-30	-20	-10	-5	+5
Medium Temperature Models															
ZXME020E				2.2	3.4	4.1	5.8	ZXME020E				1.6	1.6	1.6	1.8
ZXME025E**				2.6	4.0	4.8	6.8	ZXME025E**				1.7	1.8	1.9	2.0
ZXME030E				3.4	5.0	6.1	8.4	ZXME030E				2.1	2.3	2.4	2.6
ZXME040E				4.3	6.6	7.8	10.7	ZXME040E				3.0	3.3	3.5	3.9
ZXME050E				5.8	8.8	10.5	14.6	ZXME050E				3.6	3.8	3.9	4.3
ZXME060E				6.6	10.1	12.0	16.7	ZXME060E				4.1	4.4	4.6	5.0
ZXME075E				7.6	11.6	13.9	19.2	ZXME075E				4.7	5.1	5.3	5.8
Low Temperature Models															
ZXLE020E		1.6	2.0	3.1	4.4	5.2	7.0	ZXLE020E		1.4	1.5	1.7	1.8	1.8	1.9
ZXLE025E		1.8	2.3	3.6	5.2	6.2	8.3	ZXLE025E		1.6	1.7	1.9	2.0	2.0	2.1
ZXLE030E		2.1	2.6	4.0	5.7	6.8	9.3	ZXLE030E		1.8	1.9	2.0	2.1	2.2	2.3
ZXLE040E		3.2	4.0	6.0	8.3	9.7		ZXLE040E		2.6	2.9	3.3	3.7	3.9	
ZXLE050E		4.0	5.0	7.3	10.4	12.1	16.3	ZXLE050E		3.1	3.4	3.9	4.3	4.5	4.9
ZXLE060E		4.7	5.8	8.5	12.0	14.0		ZXLE060E		3.7	4.1	4.7	5.3	5.6	
ZXLE075E		5.2	6.5	9.7	13.7	16.2	21.8	ZXLE075E		3.9	4.2	4.8	5.3	5.6	6.1
Digital Medium Temperature Models															
ZXDE-040E				4.8	7.2	8.7	12.3	ZXDE-040E				2.5	2.7	2.8	3.1
ZXDE-050E				5.8	8.7	10.4	14.4	ZXDE-050E				3.2	3.7	3.9	4.4
ZXDE-060E				6.8	10.1	12.0	16.6	ZXDE-060E				3.9	4.5	4.8	5.5
ZXDE-075E				7.7	11.4	13.6	18.8	ZXDE-075E				4.2	4.8	5.1	5.8

Suction Gas Return 20°C / Subcooling 0K

\*\* Single Phase only

Preliminary data

Capacity Data

Ambient Temperature: 32°C															
R449A	Cooling Capacity (kW)							R449A	Power Input (kW)						
	Evaporating Temperature (°C)								Evaporating Temperature (°C)						
	-45	-35	-30	-20	-10	-5	+5		-45	-35	-30	-20	-10	-5	+5
<b>Medium Temperature Models</b>															
ZXME020E				2.2	3.4	4.1	5.8	ZXME020E				1.6	1.6	1.6	1.8
ZXME025E**				2.6	4.0	4.8	6.8	ZXME025E**				1.7	1.8	1.9	2.0
ZXME030E				3.4	5.0	6.1	8.4	ZXME030E				2.1	2.3	2.4	2.6
ZXME040E				4.3	6.6	7.8	10.7	ZXME040E				3.0	3.3	3.5	3.9
ZXME050E				5.8	8.8	10.5	14.6	ZXME050E				3.6	3.8	3.9	4.3
ZXME060E				6.6	10.1	12.0	16.7	ZXME060E				4.1	4.4	4.6	5.0
ZXME075E				7.6	11.6	13.9	19.2	ZXME075E				4.7	5.1	5.3	5.8
<b>Low Temperature Models</b>															
ZXLE020E		1.6	2.0	3.1	4.4	5.2	7.0	ZXLE020E		1.4	1.5	1.7	1.8	1.8	1.9
ZXLE025E		1.8	2.3	3.6	5.2	6.2	8.3	ZXLE025E		1.6	1.7	1.9	2.0	2.0	2.1
ZXLE030E		2.1	2.6	4.0	5.7	6.8	9.3	ZXLE030E		1.8	1.9	2.0	2.1	2.2	2.3
ZXLE040E		3.2	4.0	6.0	8.3	9.7		ZXLE040E		2.6	2.9	3.3	3.7	3.9	
ZXLE050E		4.0	5.0	7.3	10.4	12.1	16.3	ZXLE050E		3.1	3.4	3.9	4.3	4.5	4.9
ZXLE060E		4.7	5.8	8.5	12.0	14.0		ZXLE060E		3.7	4.1	4.7	5.3	5.6	
ZXLE075E		5.2	6.5	9.7	13.7	16.2	21.8	ZXLE075E		3.9	4.2	4.8	5.3	5.6	6.1
<b>Digital Medium Temperature Models</b>															
ZXDE-040E				4.8	7.2	8.7	12.3	ZXDE-040E				2.5	2.7	2.8	3.1
ZXDE-050E				5.8	8.7	10.4	14.4	ZXDE-050E				3.2	3.7	3.9	4.4
ZXDE-060E				6.8	10.1	12.0	16.6	ZXDE-060E				3.9	4.5	4.8	5.5
ZXDE-075E				7.7	11.4	13.6	18.8	ZXDE-075E				4.2	4.8	5.1	5.8

Suction Gas Return 20°C / Subcooling 0K

\*\* Single Phase only

Preliminary data

Capacity Data

Ambient Temperature: 32°C															
R404A	Cooling Capacity (kW)							R404A	Power Input (kW)						
	Evaporating Temperature (°C)								Evaporating Temperature (°C)						
	-45	-35	-30	-20	-10	-5	+5		-45	-35	-30	-20	-10	-5	+5
Medium Temperature Models															
ZXME020E				2.4	3.6	4.2	5.7	ZXME020E				1.8	1.8	1.8	1.8
ZXME025E**				3.0	4.3	5.1	6.9	ZXME025E**				1.9	2.0	2.0	2.1
ZXME030E				3.7	5.2	6.2	8.2	ZXME030E				2.4	2.5	2.6	2.7
ZXME040E**				4.7	6.8	8.0	10.6	ZXME040E**				3.2	3.4	3.5	3.8
ZXME040E				4.9	7.0	8.2	10.8	ZXME040E				3.2	3.4	3.5	3.8
ZXME050E				6.4	9.1	10.7	14.4	ZXME050E				4.0	4.2	4.3	4.5
ZXME060E				7.3	10.4	12.2	16.2	ZXME060E				4.6	4.8	5.0	5.3
ZXME075E				8.4	11.9	13.9	18.5	ZXME075E				5.1	5.4	5.5	5.9
Low Temperature Models															
ZXLE020E		1.9	2.4	3.5	4.9	5.7		ZXLE020E		1.6	1.7	1.9	2.1	2.1	
ZXLE025E		2.2	2.8	4.1	5.8	6.7		ZXLE025E		1.9	2.0	2.2	2.4	2.5	
ZXLE030E		2.6	3.2	4.6	6.4	7.4		ZXLE030E		2.1	2.2	2.4	2.6	2.6	
ZXLE040E		4.0	4.9	7.0	9.6	11.0		ZXLE040E		3.0	3.2	3.6	4.1	4.4	
ZXLE050E		5.0	6.0	8.5	11.5	13.2		ZXLE050E		3.6	3.9	4.4	5.0	5.4	
ZXLE060E		5.8	7.0	9.8	13.2	15.0	18.9	ZXLE060E		4.4	4.7	5.5	6.3	6.7	7.7
ZXLE075E		6.5	7.9	11.2	15.3	17.6		ZXLE075E		4.6	4.9	5.5	6.2	6.6	
Digital Medium Temperature Models															
ZXDE-040E				5.3	7.6	8.9	12.2	ZXDE-040E				2.7	3.0	3.1	3.3
ZXDE-050E				6.4	9.0	10.6	14.1	ZXDE-050E				3.6	4.0	4.3	4.7
ZXDE-060E				7.4	10.5	12.2	16.1	ZXDE-060E				4.3	4.9	5.2	5.8
ZXDE-075E				8.4	11.9	13.8	18.3	ZXDE-075E				4.7	5.3	5.6	6.3

Suction Gas Return 20°C / Subcooling 0K

\*\* Single Phase only

Ambient Temperature: 32°C															
R134a	Cooling Capacity (kW)							R134a	Power Input (kW)						
	Evaporating Temperature (°C)								Evaporating Temperature (°C)						
	-45	-35	-30	-20	-10	-5	+5		-45	-35	-30	-20	-10	-5	+5
Medium Temperature Models															
ZXME020E				1.4	2.3	2.8	4.0	ZXME020E				1.0	1.0	1.0	1.1
ZXME025E**				1.5	2.6	3.2	4.7	ZXME025E**				1.2	1.3	1.3	1.4
ZXME030E				2.1	3.2	4.0	5.8	ZXME030E				1.3	1.4	1.4	1.5
ZXME040E**				2.6	4.3	5.3	7.8	ZXME040E**				2.0	2.1	2.2	2.4
ZXME040E				2.8	4.4	5.4	7.8	ZXME040E				1.7	1.8	1.9	2.0
ZXME050E				3.4	5.5	6.8	9.9	ZXME050E				2.1	2.3	2.4	2.5
ZXME060E				4.2	6.5	8.0	11.7	ZXME060E				2.5	2.6	2.7	3.0
ZXME075E				4.8	7.5	9.1	13.2	ZXME075E				3.1	3.2	3.3	3.6
Digital Medium Temperature Models															
ZXDE-040E				4.3	5.3	8.0		ZXDE-040E				1.8	1.9	1.9	
ZXDE-050E				5.3	6.5	9.7		ZXDE-050E				2.3	2.4	2.5	
ZXDE-060E				6.3	7.9	11.7		ZXDE-060E				2.7	2.8	3.0	
ZXDE-075E				7.2	8.8	12.7		ZXDE-075E				3.0	3.0	3.3	

Suction Gas Return 20°C / Subcooling 0K

\*\* Single Phase only

Preliminary data

Capacity Data

Ambient Temperature: 32°C															
R450A	Cooling Capacity (kW)							R450A	Power Input (kW)						
	Evaporating Temperature (°C)								Evaporating Temperature (°C)						
	-45	-35	-30	-20	-10	-5	+5		-45	-35	-30	-20	-10	-5	+5
Medium Temperature Models															
ZXME020E				1.2	2.0	2.5	3.6	ZXME020E				0.9	0.9	0.9	0.9
ZXME025E**				1.4	2.3	2.8	4.2	ZXME025E**				1.0	1.0	1.0	1.1
ZXME030E				1.8	2.9	3.6	5.3	ZXME030E				1.2	1.2	1.2	1.3
ZXME040E				2.5	3.9	4.9	7.1	ZXME040E				1.6	1.6	1.6	1.7
ZXME050E				3.1	5.0	6.1	9.1	ZXME050E				2.0	2.1	2.1	2.2
ZXME060E				3.6	5.8	7.1	10.5	ZXME060E				2.3	2.4	2.4	2.5
ZXME075E				4.0	6.5	8.0	11.8	ZXME075E				2.6	2.7	2.7	2.9
Digital Medium Temperature Models															
ZXDE-040E				2.5	3.9	4.9	7.1	ZXDE-040E				1.6	1.6	1.6	1.7
ZXDE-050E				3.1	5.0	6.1	9.1	ZXDE-050E				2.0	2.1	2.1	2.2
ZXDE-060E				3.6	5.8	7.1	10.5	ZXDE-060E				2.3	2.4	2.4	2.5
ZXDE-075E				4.0	6.5	8.0	11.8	ZXDE-075E				2.6	2.7	2.7	2.9

Suction Gas Return 20°C / Subcooling 0K

\*\* Single Phase only

Preliminary data

Ambient Temperature: 32°C															
R513A	Cooling Capacity (kW)							R513A	Power Input (kW)						
	Evaporating Temperature (°C)								Evaporating Temperature (°C)						
	-45	-35	-30	-20	-10	-5	+5		-45	-35	-30	-20	-10	-5	+5
Medium Temperature Models															
ZXME020E				1.5	2.3	2.9	4.2	ZXME020E				1.0	1.0	1.0	1.1
ZXME025E**				1.7	2.7	3.3	4.9	ZXME025E**				1.2	1.2	1.2	1.3
ZXME030E				2.2	3.4	4.2	6.0	ZXME030E				1.4	1.4	1.5	1.6
ZXME040E				3.0	4.6	5.7	8.2	ZXME040E				1.9	1.9	2.0	2.1
ZXME050E				3.8	5.9	7.2	10.5	ZXME050E				2.4	2.5	2.5	2.6
ZXME060E				4.4	6.8	8.4	12.1	ZXME060E				2.8	2.8	2.9	3.0
ZXME075E				4.9	7.7	9.4	13.5	ZXME075E				3.1	3.2	3.2	3.4
Digital Medium Temperature Models															
ZXDE-040E				3.0	4.6	5.7	8.2	ZXDE-040E				1.9	1.9	2.0	2.1
ZXDE-050E				3.8	5.9	7.2	10.5	ZXDE-050E				2.4	2.5	2.5	2.6
ZXDE-060E				4.4	6.8	8.4	12.1	ZXDE-060E				2.8	2.8	2.9	3.0
ZXDE-075E				4.9	7.7	9.4	13.5	ZXDE-075E				3.1	3.2	3.2	3.4

Suction Gas Return 20°C / Subcooling 0K

\*\* Single Phase only

Preliminary data