

**Copeland**<sup>™</sup>  
brand products

**Alco Controls**<sup>™</sup>

## General Product Guide 2015

For Refrigeration, Air Conditioning and Heat Pumps



**EMERSON**<sup>™</sup>  
Climate Technologies

# Copeland Scroll™ Indoor Condensing Units for Refrigeration

Copeland™ air-cooled condensing units for medium temperature and low temperature applications.

Copeland Scroll condensing units are equipped with the latest refrigeration scroll compressors and build the widest range of its kind. The modular line concept offers base units which can be adapted to the target application by various options including weather housings and fan speed controls.

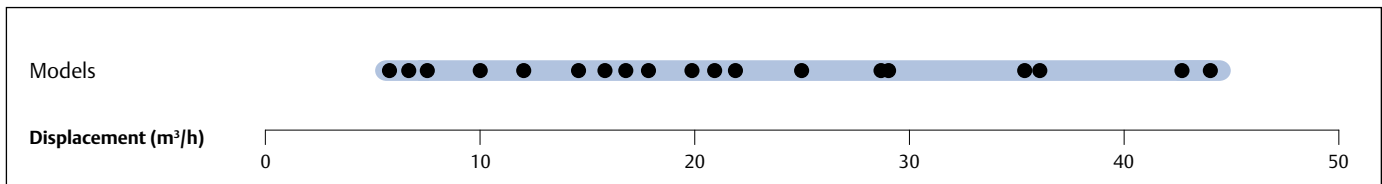
Copeland Scroll condensing units are available with normal or high capacity condensers to ensure optimum performance even under extreme conditions. They are equipped with dedicated medium or low temperature compressors which makes them suitable for all general refrigeration applications, such as:

- Mini markets and supermarkets
- Bars, restaurants and kitchens
- Beer cellars and beverage coolers
- Cold rooms
- Milk cooling tank

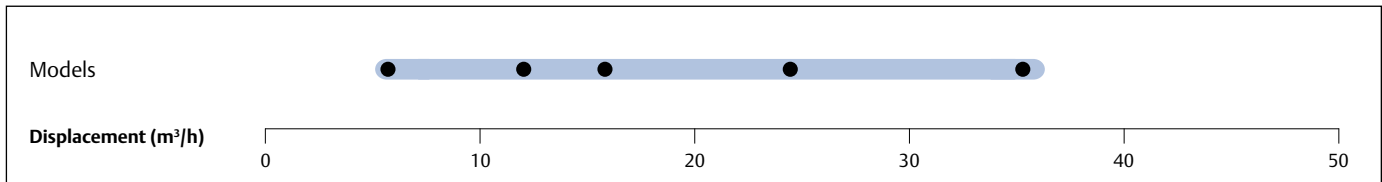


*Copeland Scroll  
Indoor Condensing Unit*

## Copeland Scroll Condensing Units Line-up



## Copeland Scroll Digital Condensing Units Line-up



### Features and Benefits

- Standard equipment: base plate, scroll compressor, crank case heater, condenser with 1ph fan(s), HP and LP switch, liquid receiver with rotalock-valve, suction- and discharge shut-off valves
- Suitable for multiple refrigerants: R404A, R407C, R134a, R407A and R407F
- Wide range of quality accessories
- Excellent efficiency and reliability

### Maximum Allowable Pressures (PS)

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

## Technical Overview

Models	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)	Length/Width/Height (mm)	Net Weight (kg)	Motor Version/Code		Maximum Operating Current, A		Locked Rotor Current, A		Sound Pressure @10 m - d(BA)***	
									1 Ph*	3 Ph**	1 Ph*	3 Ph**	1 Ph*	3 Ph**		
<b>Medium Temperature Models</b>																
MC-D8-ZB15KE	5.9	3.9	1	110	¾	½	570/560/446	48	PFJ	TFD	12.8	4.9	58	26	45.8	
MC-H8-ZB15KE	5.9	7.9	1	235	¾	½	680/735/533	57	PFJ	TFD	12.8	4.9	58	26	48.6	
MC-D8-ZB19KE	6.8	3.9	1	110	¾	½	570/560/446	49	PFJ	TFD	12.8	6.5	61	32	45.9	
MC-H8-ZB19KE	6.8	7.9	1	235	¾	½	680/735/533	61	PFJ	TFD	12.8	6.5	61	32	48.7	
MC-K9-ZB19KE	6.8	7.9	2	220	¾	½	640/950/454	66.5	PFJ	TFD	12.8	6.5	61	32	47.5	
MC-D8-ZB21KE	8.6	3.9	1	110	¾	½	570/560/446	50	PFJ	TFD	16.42	7.2	82	40	46.4	
MC-H8-ZB21KE	8.6	7.9	1	235	¾	½	680/735/533	61	PFJ	TFD	16.42	7.2	82	40	48.9	
MC-K9-ZB21KE	8.6	7.9	2	220	¾	½	640/950/454	67.5	PFJ	TFD	16.42	7.2	82	40	47.8	
MC-H8-ZB26KE	10.0	7.9	1	235	¾	½	680/735/533	62	PFJ	TFD	18	8.85	97	46	48.9	
MC-K9-ZB26KE	10.0	7.9	2	220	¾	½	640/950/454	68	PFJ	TFD	18	8.85	97	46	47.8	
MC-H8-ZB30KE	11.7	7.9	1	235	¾	½	680/735/533	74	PFJ	TFD	26.4	10.3	142	49.3	49.1	
MC-M8-ZB30KE	11.7	7.9	1	235	¾	½	730/735/708	86.5	PFJ	TFD	26.4	10.3	142	49.3	48.6	
MC-P8-ZB30KE	11.7	7.9	2	220	¾	½	640/950/633	86.5		TFD		10.3		49.3	48.5	
MC-H8-ZB38KE	14.4	7.9	1	235	¾	½	680/735/533	77	PFJ	TFD	32.3	12.8	142	65.5	49.2	
MC-M8-ZB38KE	14.4	7.9	1	235	¾	½	730/735/708	89	PFJ	TFD	32.3	12.8	142	65.5	48.8	
MC-P8-ZB38KE	14.4	7.9	2	220	¾	½	640/950/633	89	PFJ	TFD	32.3	12.8	142	65.5	48.7	
MC-M8-ZB42KE	16.2	7.9	1	235	¾	½	730/735/708	91	PFJ		35.7		150		49.4	
MC-R7-ZB42KE	16.2	7.9	2	470	¾	½	680/1130/633	101	PFJ		35.7		150		52.7	
MC-M8-ZB45KE	17.1	7.9	1	235	¾	½	730/735/708	91		TFD		13.1		74	49.4	
MC-M9-ZB45KE	17.1	7.9	1	400	¾	½	730/735/708	95.5		TFD		13.1		74	49.4	
MC-R7-ZB45KE	17.1	7.9	2	470	¾	½	680/1130/633	101		TFD		13.1		74	49.5	
MC-R7-ZB50KE	19.8	7.9	2	470	1 ⅜	½	820/1130/621	110		TFD		14.6		100	49.3	
MC-S9-ZB50KE	19.8	11.7	2	470	1 ⅜	⅝	820/1130/703	113		TFD		14.6		100	49.7	
MC-R7-ZB56KE	20.9	7.9	2	470	1 ⅜	½	820/1130/633	158		TWD		15.4		99	55.0	
MC-S9-ZB56KE	20.9	11.7	2	470	1 ⅜	⅝	820/1130/708	170		TWD		15.4		99	54.7	
MC-R7-ZB58KE	22.1	7.9	2	470	1 ⅜	½	820/1130/621	110		TFD		15.6		95		
MC-S9-ZB58KE	22.1	11.7	2	470	1 ⅜	⅝	820/1130/703	113		TFD		15.6		95		
MC-S9-ZB66KE	24.9	11.7	2	470	1 ⅜	⅝	820/1130/707	116		TFD		17.5		111	50.3	
MC-V9-ZB66KE	24.9	15.8	2	470	1 ⅜	¾	820/1330/821	150		TFD		17.5		111	50.2	
MC-V9-ZB75KE	28.8	15.8	2	470	1 ⅜	¾	820/1330/835	195		TWD		21.7		127	54.7	
MC-V9-ZF33KE	28.8	11.7	2	470	1 ⅜	⅝	820/1330/835	195		TWD		22.3		127	54.7	
MC-V6-ZB75KE	28.8	15.8	2	800	1 ⅜	¾	820/1330/835	207		TWD		21.7		127	57.4	
MC-V9-ZB76KE	29.1	15.8	2	470	1 ⅜	¾	820/1330/835	151		TFD		20.4		118	50.2	
MC-V6-ZB76KE	29.1	15.8	2	800	1 ⅜	¾	820/1330/835	168		TFD		20.4		118	54.7	
MC-V9-ZB92KE	35.6	15.8	2	470	1 ⅜	¾	820/1330/835	200		TWD		25.1		167	54.7	
MC-V6-ZB92KE	35.6	15.8	2	800	1 ⅜	¾	820/1330/835	218		TWD		25.1		167	57.4	
MC-V9-ZB95KE	36.4	15.8	2	470	1 ⅜	¾	820/1330/835	155		TFD		28.2		140	50.7	
MC-V6-ZB95KE	36.4	15.8	2	800	1 ⅜	¾	820/1330/835	172		TFD		28.2		140	54.7	
MC-V6-ZB11ME	42.8	15.8	2	800	1 ⅜	¾	820/1330/835	227		TWD		29.2		198	57.4	
MC-W9-ZB11ME	42.8	15.8	2	800	1 ⅜	¾	820/1330/835	227		TWD		29.2		198	57.4	
MC-V6-ZB114KE	43.3	15.8	2	800	1 ⅜	¾	820/1330/835	174		TFD		33.3		174	54.7	
MC-W9-ZB114KE	43.3	15.8	2	800	1 ⅜	¾	820/1640/864	174		TFD		33.3		174	54.7	
<b>Digital Medium Temperature Models</b>																
MC-M8-ZBD30	11.7	11.7	1	235	¾	⅝	730/735/708	86.5		TFD		7.9		0	48.6	
MC-M9-ZBD45	17.1	11.7	1	400	¾	⅝	730/735/708	95.5		TFD		12.1		0	49.4	
MC-V6-ZBDT60	23.4	18.9	2	800	1 ⅜	¾	820/1330/835	207		TFD		7.9		0	57.4	
MC-V6-ZBDT90	34.1	18.9	2	800	1 ⅜	¾	820/1330/835	218		TFD		12.1		0	57.4	

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

## Technical Overview

Models	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
								1 Ph*	3 Ph**	1 Ph*	3 Ph**	1 Ph*	3 Ph**	@ 10 m - d(BA)***
<b>Low Temperature Models</b>														
MC-B8-ZF06KE	3.3	1	85	7/8	1/2	560/570/396	64		TFD		5		26	47
MC-D8-ZF09KE	3.9	1	110	7/8	1/2	560/570/446	64		TFD		6		40	47
MC-H8-ZF09KE	7.9	1	235	7/8	1/2	735/680/533	66		TFD		6		40	49
MC-H8-ZF11KE	7.9	1	235	7/8	1/2	735/680/533	67		TFD		7		46	49
MC-H8-ZF13KE	7.9	1	235	7/8	1/2	735/680/533	77		TFD		8		52	50
MC-M8-ZF13KE	7.9	1	235	7/8	1/2	735/730/708	85		TFD		8		52	49
MC-H8-ZF15KE	7.9	1	235	7/8	1/2	735/680/533	83		TFD		10		64	50
MC-M8-ZF15KE	7.9	1	235	7/8	1/2	735/730/708	86		TFD		10		64	50
MC-M8-ZF18KE	7.9	1	235	7/8	1/2	735/730/708	88		TFD		13		74	50
MC-M9-ZF18KE	7.9	1	400	7/8	1/2	735/730/708	96		TFD		13		74	50
MC-P8-ZF24KE	7.9	2	220	1 3/8	1/2	950/640/633	146		TWD		16		99	52
MC-S9-ZF24KE	11.7	2	470	1 3/8	1/2	1130/820/708	170		TWD		16		99	54
MC-R7-ZF33KE	11.7	2	470	1 3/8	5/8	1130/820/633	160		TWD		22		127	55
MC-V9-ZF33KE	11.7	2	470	1 3/8	5/8	1330/820/835	195		TWD		22		127	55
MC-S9-ZF40KE	11.7	2	470	1 3/8	5/8	1130/820/708	180		TWD		25		167	55
MC-V6-ZF40KE	11.7	2	800	1 3/8	5/8	1330/820/835	218		TWD		25		167	57
MC-S9-ZF48KE	11.7	2	470	1 3/8	5/8	1130/820/708	189		TWD		29		198	55

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

\* 1 Ph: 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																	
R134a		Cooling Capacity (kW)						R134a		Power Input (kW)							
		Evaporating Temperature (°C)								Evaporating Temperature (°C)							
Model		-45	-35	-30	-20	-10	-5	+5	Model		-45	-35	-30	-20	-10	-5	+5
MC-D8-ZB15KE					1.4	2.2	2.7	3.9	MC-D8-ZB15KE					1.0	1.0	1.1	1.2
MC-D8-ZB15KE					1.4	2.2	2.7	3.9	MC-D8-ZB15KE					1.0	1.0	1.1	1.2
MC-H8-ZB15KE					1.4	2.3	2.8	4.1	MC-H8-ZB15KE					1.1	1.1	1.1	1.2
MC-D8-ZB19KE					1.6	2.5	3.1	4.4	MC-D8-ZB19KE					1.1	1.2	1.3	1.4
MC-D8-ZB19KE					1.6	2.5	3.1	4.4	MC-D8-ZB19KE					1.1	1.2	1.3	1.4
MC-H8-ZB19KE					1.6	2.6	3.2	4.7	MC-H8-ZB19KE					1.2	1.2	1.3	1.3
MC-K9-ZB19KE					1.6	2.6	3.2	4.7	MC-K9-ZB19KE					1.2	1.3	1.3	1.4
MC-D8-ZB21KE					1.9	3.1	3.7	5.3	MC-D8-ZB21KE					1.4	1.5	1.6	1.7
MC-H8-ZB21KE					2.1	3.2	4.0	5.7	MC-H8-ZB21KE					1.4	1.5	1.6	1.8
MC-K9-ZB21KE					2.1	3.2	4.0	5.8	MC-K9-ZB21KE					1.5	1.5	1.6	1.7
MC-H8-ZB26KE					2.3	3.7	4.5	6.5	MC-H8-ZB26KE					1.6	1.7	1.8	1.9
MC-K9-ZB26KE					2.4	3.7	4.5	6.5	MC-K9-ZB26KE					1.7	1.8	1.8	2.0
MC-H8-ZB30KE					2.6	4.2	5.2	7.4	MC-H8-ZB30KE					1.8	1.9	2.0	2.1
MC-M8-ZB30KE					2.8	4.4	5.3	7.7	MC-M8-ZB30KE					1.9	2.0	2.0	2.2
MC-P8-ZB30KE					2.8	4.4	5.4	7.8	MC-P8-ZB30KE					1.9	2.0	2.1	2.3
MC-H8-ZB38KE					3.0	5.1	6.3	8.9	MC-H8-ZB38KE					2.2	2.4	2.5	2.7
MC-M8-ZB38KE					3.1	5.3	6.5	9.3	MC-M8-ZB38KE					2.2	2.4	2.5	2.8
MC-P8-ZB38KE					3.3	5.4	6.6	9.5	MC-P8-ZB38KE					2.3	2.6	2.7	3.0
MC-M8-ZB45KE					3.8	6.2	7.6	10.9	MC-M8-ZB45KE					2.6	2.9	3.0	3.3
MC-M9-ZB45KE					3.9	6.4	7.8	11.3	MC-M9-ZB45KE					2.7	2.9	3.0	3.3
MC-R7-ZB45KE					4.2	6.5	8.0	11.6	MC-R7-ZB45KE					2.8	2.9	3.0	3.2
MC-S9-ZB50KE					4.8	7.5	9.1	13.1	MC-S9-ZB50KE					3.5	3.8	4.0	4.2
MC-R7-ZB58KE					5.2	8.1	9.9	14.1	MC-R7-ZB58KE					3.7	3.8	4.0	4.3
MC-S9-ZB58KE					5.3	8.3	10.2	14.6	MC-S9-ZB58KE					3.8	4.0	4.1	4.5
MC-S9-ZB66KE					6.1	9.4	11.4	16.4	MC-S9-ZB66KE					4.0	4.2	4.4	4.7
MC-V9-ZB66KE					6.2	9.5	11.6	16.7	MC-V9-ZB66KE					4.1	4.3	4.5	4.9
MC-V9-ZB76KE					7.0	10.8	13.1	18.8	MC-V9-ZB76KE					4.2	4.6	4.8	5.3
MC-V6-ZB76KE					7.1	11.1	13.6	19.6	MC-V6-ZB76KE					4.9	5.0	5.2	5.6
MC-V9-ZB95KE					8.3	13.3	16.2	22.9	MC-V9-ZB95KE					5.9	6.3	6.5	7.1
MC-V6-ZB95KE					8.6	13.8	16.9	24.2	MC-V6-ZB95KE					5.9	6.4	6.7	7.4
MC-V6-ZB114KE					9.9	16.1	19.8	28.4	MC-V6-ZB114KE					7.1	7.6	7.9	8.6
MC-W9-ZB114KE					16.7	19.9	28.7		MC-W9-ZB114KE					7.2	7.6	8.0	8.7

Conditions: EN13215: Suction Gas Return 20°C, Subcooling 0K

## Capacity Data

Ambient Temperature: 32°C															
R407A	Cooling Capacity (kW)							R407A	Power Input (kW)						
	Evaporating Temperature (°C)								Evaporating Temperature (°C)						
Model	-45	-35	-30	-20	-10	-5	+5	Model	-45	-35	-30	-20	-10	-5	+5
<b>Medium Temperature Models</b>															
MC-D8-ZB15KE					3.2	3.8	5.3	MC-D8-ZB15KE					1.8	1.9	2.1
MC-H8-ZB15KE**					3.5	4.2	5.9	MC-H8-ZB15KE**					1.7	1.8	1.9
MC-D8-ZB19KE					3.7*	4.5	6.1	MC-D8-ZB19KE					2.2*	2.3	2.5
MC-H8-ZB19KE**					4.1	4.9	6.9	MC-H8-ZB19KE**					2.1	2.2	2.3
MC-K9-ZB19KE**					4.1	4.9	6.8	MC-K9-ZB19KE**					2.1	2.1	2.3
MC-D8-ZB21KE					4.2*	5.1		MC-D8-ZB21KE					2.8*	3.0	
MC-H8-ZB21KE**					4.9	5.8	8.0	MC-H8-ZB21KE**					2.6	2.7	2.8
MC-K9-ZB21KE**					4.8	5.8	7.9	MC-K9-ZB21KE**					2.6	2.7	2.8
MC-H8-ZB26KE					5.4	6.4	8.9	MC-H8-ZB26KE					2.9	3.0	3.4
MC-K9-ZB26KE**					5.4	6.4	8.8	MC-K9-ZB26KE**					2.9	3.0	3.4
MC-H8-ZB30KE					6.3*	7.7		MC-H8-ZB30KE					3.5*	3.8	
MC-M8-ZB30KE**					6.8	8.1	11.1	MC-M8-ZB30KE**					3.3	3.5	3.9
MC-P8-ZB30KE**					6.8	8.2	11.3	MC-P8-ZB30KE**					3.3	3.4	3.8
MC-H8-ZB38KE					7.2*	8.6*		MC-H8-ZB38KE					4.5*	4.9*	
MC-M8-ZB38KE**					7.7*	9.5		MC-M8-ZB38KE**					4.2*	4.5	
MC-P8-ZB38KE**					7.8*	9.6	13.0	MC-P8-ZB38KE**					4.1*	4.4	5.0
MC-M8-ZB42KE				5.56*	8.2*	10.0	13.4	MC-M8-ZB42KE				4.6*	5.1*	5.5	6.0
MC-R7-ZB42KE**				6.0*	9.3	11.1	15.3	MC-R7-ZB42KE**				4.4*	4.8	5.0	5.3
MC-M8-ZB45KE					8.5*	10.3		MC-M8-ZB45KE					5.2*	5.6	
MC-M9-ZB45KE**					9.3	11.0	14.9	MC-M9-ZB45KE**					5.1	5.3	5.8
MC-R7-ZB45KE**					9.6	11.5	15.7	MC-R7-ZB45KE**					4.9	5.1	5.5
MC-R7-ZB50KE**					11.7*	14.6		MC-R7-ZB50KE**					6.9*	7.5	
MC-S9-ZB50KE**					12.7	15.3	21.5	MC-S9-ZB50KE**					6.7	7.1	7.8
MC-R7-ZB58KE					11.1*	13.8		MC-R7-ZB58KE					6.6*	7.1	
MC-S9-ZB58KE**					11.9	14.5	20.4	MC-S9-ZB58KE**					6.3	6.7	7.4
MC-S9-ZB66KE**					13.2	15.9	21.9	MC-S9-ZB66KE**					7.3	7.7	8.7
MC-V9-ZB66KE**					13.8	16.7	23.2	MC-V9-ZB66KE**					6.9	7.3	8.1
MC-V9-ZB76KE					15.8	19.0	26.3	MC-V9-ZB76KE					8.2	8.7	9.8
MC-V6-ZB76KE**					16.7	20.2	28.4	MC-V6-ZB76KE**					8.0	8.4	9.2
MC-V9-ZB95KE					17.4*	21.5		MC-V9-ZB95KE					11.3*	12.1	
MC-V6-ZB95KE**					19.5	23.5	32.6	MC-V6-ZB95KE**					10.7	11.3	12.6
MC-V6-ZB114KE					21.4*	26.8		MC-V6-ZB114KE					13.0*	13.9	
MC-W9-ZB114KE**					22.5	27.4	38.4	MC-W9-ZB114KE**					12.9	13.6	15.4
<b>Medium Temperature Digital Models</b>															
MC-M8-ZBD30					6,8	8,1	11,1	MC-M8-ZBD30					3,4	3,6	4,0
MC-M9-ZBD45					9,2	11,0	15,0	MC-M9-ZBD45					4,9	5,2	5,8
MC-V6-ZBDT60				9,4	14,4	17,4	24,3	MC-V6-ZBDT60				6,0	6,4	6,7	7,3
MC-V6-ZBDT90				12,7	19,1	22,8	31,4	MC-V6-ZBDT90				8,8	9,5	9,9	10,9

Conditions: EN13215: Suction Gas Return 20°C, Subcooling 0K

\* Suction Superheat 10 K

\*\* Models for high ambient temperatures

Preliminary Data

Ambient Temperature: 32°C															
R407A	Cooling Capacity (kW)							R407A	Power Input (kW)						
	Evaporating Temperature (°C)								Evaporating Temperature (°C)						
Model	-45	-35	-30	-20	-10	-5	+5	Model	-45	-35	-30	-20	-10	-5	+5
<b>Low Temperature Models</b>															
MC-D8-ZF09KE		1,9	2,3	3,4				MC-D8-ZF09KE		1,9	2,1	2,9			
MC-H8-ZF09KE**		1,9	2,3	3,5	4,9	5,8	7,7	MC-H8-ZF09KE**		1,8	2,1	2,7	3,6	4,2	5,8
MC-H8-ZF11KE		2,1	2,7	4,0	5,7	6,7	9,0	MC-H8-ZF11KE		2,0	2,1	2,4	2,8	3,0	3,5
MC-H8-ZF13KE		2,2	2,8	4,3	6,1	7,1	8,9	MC-H8-ZF13KE		2,3	2,4	2,8	3,1	3,3	3,6
MC-M8-ZF13KE**		2,2	2,8	4,4	6,3	7,3	9,2	MC-M8-ZF13KE**		2,2	2,3	2,6	2,9	3,1	3,3
MC-M9-ZF13KE**		2,2	2,9	4,5	6,5	7,5	9,5	MC-M9-ZF13KE**		2,3	2,4	2,7	3,0	3,1	3,2
MC-H8-ZF15KE		2,7	3,3	5,1	7,3	8,5		MC-H8-ZF15KE		2,8	3,0	3,6	4,1	4,3	
MC-M8-ZF15KE**		2,8	3,4	5,3	7,6	8,9	11,6	MC-M8-ZF15KE**		2,7	2,9	3,4	3,8	3,9	3,8
MC-R7-ZF15KE**		2,8	3,5	5,5	8,0	9,4	12,3	MC-R7-ZF15KE**		2,8	3,0	3,3	3,6	3,7	3,6
MC-M8-ZF18KE		3,3	4,1	6,2	8,8	10,2	13,0	MC-M8-ZF18KE		3,2	3,5	4,2	4,7	4,9	4,5
MC-M9-ZF18KE**		3,3	4,1	6,4	9,1	10,6	13,7	MC-M9-ZF18KE**		3,3	3,5	4,1	4,6	4,6	4,2
MC-S9-ZF18KE**		3,4	4,2	6,6	9,5	11,2	14,5	MC-S9-ZF18KE**		3,2	3,4	3,9	4,3	4,3	3,7
MC-P8-ZF24KE		4,2	5,2	7,8	10,8	12,5		MC-P8-ZF24KE		4,5	4,9	5,7	6,6	7,1	
MC-S9-ZF24KE**		4,4	5,5	8,5	12,2	14,5	19,5	MC-S9-ZF24KE**		4,4	4,7	5,3	6,0	6,4	7,3
MC-R7-ZF33KE		5,9	7,3	10,9	15,3	17,7		MC-R7-ZF33KE		6,0	6,5	7,5	8,8	9,5	
MC-V9-ZF33KE**		6,1	7,7	11,6	16,7	19,7	26,3	MC-V9-ZF33KE**		5,7	6,1	7,0	8,0	8,6	9,9
MC-S9-ZF40KE		7,2	9,0	13,3	18,6	21,5		MC-S9-ZF40KE		7,5	8,1	9,5	11,1	11,9	
MC-V6-ZF40KE**		7,5	9,5	14,4	20,8	24,5	32,9	MC-V6-ZF40KE**		7,3	7,8	8,9	10,2	10,8	12,4
MC-S9-ZF48KE		8,5	10,6	15,4	20,9			MC-S9-ZF48KE		10,1	10,9	12,9	15,2		

Conditions: EN13215: Suction Gas Return 20°C, Subcooling 0K

\* Suction Superheat 10 K

\*\* Models for high ambient temperatures

Preliminary Data

## Capacity Data

Ambient Temperature: 32°C																
R407F	Cooling Capacity (kW)							R407F	Power Input (kW)							
	Evaporating Temperature (°C)								Evaporating Temperature (°C)							
Model	-45	-35	-30	-20	-10	-5	+5	Model	-45	-35	-30	-20	-10	-5	+5	
<b>Medium Temperature Models</b>																
MC-D8-ZB15KE					3.0	3.7	5.0	MC-D8-ZB15KE					2.0	2.0	2.2	
MC-H8-ZB15KE**					3.4	4.1	5.7	MC-H8-ZB15KE**					1.8	1.9	1.9	
MC-D8-ZB19KE					3.5*	4.3	5.9	MC-D8-ZB19KE					2.4*	2.5	2.8	
MC-H8-ZB19KE**					4.0	4.8	6.7	MC-H8-ZB19KE**					2.2	2.3	2.5	
MC-K9-ZB19KE**					4.0	4.8	6.7	MC-K9-ZB19KE**					2.2	2.3	2.5	
MC-D8-ZB21KE					3.9*	4.7*		MC-D8-ZB21KE					3.0*	3.2*		
MC-H8-ZB21KE**					3.9*	4.7*		MC-H8-ZB21KE**					3.0*	3.2*		
MC-K9-ZB21KE**					4.7	5.6	7.7	MC-K9-ZB21KE**					2.7	2.9	3.1	
MC-H8-ZB26KE					5.1*	6.3	8.6	MC-H8-ZB26KE					3.3*	3.5	3.9	
MC-K9-ZB26KE**					5.1*	6.3	8.6	MC-K9-ZB26KE**					3.3*	3.5	3.9	
MC-H8-ZB30KE					6.1*	7.5		MC-H8-ZB30KE					3.8*	4.0		
MC-M8-ZB30KE**				4.0*	6.6	8.0	11.2	MC-M8-ZB30KE**				3.3*	3.5	3.7	4.1	
MC-P8-ZB30KE**				4.1*	6.7	8.0	11.3	MC-P8-ZB30KE**				3.2*	3.5	3.6	4.0	
MC-H8-ZB38KE					7.0*	8.4*		MC-H8-ZB38KE					5.0*	5.3*		
MC-M8-ZB38KE**					7.6*	9.3		MC-M8-ZB38KE**					4.7*	4.9		
MC-P8-ZB38KE**					7.7*	9.4		MC-P8-ZB38KE**					4.6*	4.9		
MC-M8-ZB45KE					8.4*	10.2*		MC-M8-ZB45KE					5.6*	6.0*		
MC-M9-ZB45KE**					9.1*	11.2	15.5	MC-M9-ZB45KE**					5.4*	5.7	6.4	
MC-R7-ZB45KE**				5.9*	9.7	11.8	16.4	MC-R7-ZB45KE**				4.7*	5.2	5.5	6.0	
MC-R7-ZB58KE					11.7*	14.6		MC-R7-ZB58KE					7.1*	7.6		
MC-S9-ZB58KE**				7.1*	12.4*	15.4	21.5	MC-S9-ZB58KE**				6.0*	6.7*	7.2	8.1	
MC-S9-ZB66KE**					13.6*	16.8		MC-S9-ZB66KE**					7.7*	8.3		
MC-V9-ZB66KE**				8.7*	14.6	17.7	24.6	MC-V9-ZB66KE**				6.6*	7.4	7.8	8.7	
MC-V9-ZB76KE				9.8*	16.3*	20.1	27.8	MC-V9-ZB76KE				7.6*	8.7*	9.4	10.7	
MC-V6-ZB76KE**				10.6*	17.8	21.6	30.2	MC-V6-ZB76KE**				7.61*	8.5	8.9	9.9	
MC-V9-ZB95KE					18.2*	22.2*		MC-V9-ZB95KE					11.9*	12.9*		
MC-V6-ZB95KE**				11.8*	20.2*	25.1	34.8	MC-V6-ZB95KE**				10.0*	11.3*	12.0	13.6	
MC-V6-ZB114KE					22.6*	28.2		MC-V6-ZB114KE					14.0*	15.1		
MC-W9-ZB114KE**				13.3*	23.2*	29.0		MC-W9-ZB114KE**				12.1*	13.7*	14.7		
<b>Medium Temperature Digital Models</b>																
MC-M8-ZBD30				4.6*	6.8	8.1	10.9	MC-M8-ZBD30				2.8*	3.3	3.6	4.1	
MC-M9-ZBD45					9.4*	11.6	15.5	MC-M9-ZBD45					5.1*	5.5	6.6	
MC-V6-ZBDT60				9.1*	14.3	17.2	24.0	MC-V6-ZBDT60				6.1*	6.7	6.9	7.6	
MC-V6-ZBDT90				12.1*	19.7	23.7	32.6	MC-V6-ZBDT90				8.7*	10.1	10.7	12.2	
<b>Low Temperature Models</b>																
MC-B8-ZF06KE**		1.2	1.4	2.1				MC-B8-ZF06KE**		1.5	1.6	1.8				
MC-D8-ZF09KE		1.7	2.1	3.1	4.4	5.2		MC-D8-ZF09KE		1.8	1.8	2.0	2.3	2.5		
MC-H8-ZF09KE**		1.7	2.2	3.3	4.9	5.8	7.9	MC-H8-ZF09KE**		1.8	1.8	1.9	2.2	2.4	2.8	
MC-H8-ZF11KE		2.2	2.7	4.1	5.9	6.9	9.3	MC-H8-ZF11KE		2.1	2.2	2.4	2.7	3.0	3.5	
MC-M8-ZF13KE**		2.4	3.0	4.6	6.8	8.1	11.0	MC-M8-ZF13KE**		2.5	2.6	2.9	3.4	3.7	4.5	
MC-M9-ZF13KE**		2.4	3.1	4.7	7.0	8.3	11.6	MC-M9-ZF13KE**		2.6	2.7	3.0	3.3	3.6	4.3	
MC-H8-ZF13KE		2.4	3.0	4.5	6.5	7.7		MC-H8-ZF13KE		2.6	2.8	3.1	3.6	4.0		
MC-H8-ZF15KE		2.8	3.6	5.3	7.5			MC-H8-ZF15KE		3.2	3.5	4.1	5.0			
MC-M8-ZF15KE**		2.9	3.7	5.5	8.0	9.4		MC-M8-ZF15KE**		3.0	3.3	3.8	4.5	5.0		
MC-R7-ZF15KE**		3.0	3.8	5.8	8.5	10.2	14.0	MC-R7-ZF15KE**		3.1	3.3	3.7	4.2	4.6	5.6	
MC-M8-ZF18KE		3.5	4.3	6.5	9.2	10.8		MC-M8-ZF18KE		3.8	4.1	4.7	5.5	6.0		
MC-M9-ZF18KE**		3.5	4.5	6.8	9.7	11.5		MC-M9-ZF18KE**		3.8	4.0	4.6	5.2	5.7		
MC-S9-ZF18KE**		3.6	4.6	7.1	10.4	12.3	17.0	MC-S9-ZF18KE**		3.7	3.9	4.3	4.9	5.2	6.1	

Conditions: EN13215: Suction Gas Return 20°C, Subcooling 0K \* Suction Superheat 10K \*\* Models for high ambient temperatures K 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															
MC-D8-ZB15KE			1.2*	2.2	3.3	3.8	5.0	MC-D8-ZB15KE			1.8*	1.9	2.0	2.0	
MC-H8-ZB15KE**			1.5	2.5	3.6	4.3	5.8	MC-H8-ZB15KE**			1.8	1.9	1.9	1.9	1.9
MC-D8-ZB19KE			1.7*	2.8	3.9	4.5	5.8	MC-D8-ZB19KE			2.1*	2.3	2.4	2.5	2.7
MC-H8-ZB19KE**			2.0	3.1	4.3	5.1	6.8	MC-H8-ZB19KE**			2.1	2.1	2.2	2.3	2.4
MC-K9-ZB19KE**			2.1	3.1	4.3	5.1	6.8	MC-K9-ZB19KE**			2.0	2.1	2.2	2.3	2.4
MC-D8-ZB21KE			1.9*	3.2	4.4	5.0	6.4	MC-D8-ZB21KE			2.5*	2.8	3.1	3.2	3.5
MC-H8-ZB21KE**			2.4	3.6	5.1	5.9	7.8	MC-H8-ZB21KE**			2.5	2.6	2.7	2.8	3.0
MC-K9-ZB21KE**			2.4	3.6	5.1	5.9	7.8	MC-K9-ZB21KE**			2.4	2.6	2.7	2.8	3.0
MC-H8-ZB26KE			2.4*	4.1	5.7	6.6	8.6	MC-H8-ZB26KE			2.9*	3.1	3.3	3.4	3.7
MC-K9-ZB26KE**			2.4*	4.1	5.7	6.6	8.7	MC-K9-ZB26KE**			2.9*	3.1	3.3	3.4	3.6
MC-H8-ZB30KE		2.1*	2.7	4.6	6.4	7.4	9.6	MC-H8-ZB30KE		3.3*	3.4	3.7	3.9	4.1	4.4
MC-M8-ZB30KE**		2.2*	3.2	4.8	6.8	7.9	10.5	MC-M8-ZB30KE**		3.1*	3.3	3.4	3.6	3.7	4.0
MC-P8-ZB30KE**		2.3*	3.3	5.0	7.1	8.3	11.1	MC-P8-ZB30KE**		3.1*	3.2	3.3	3.5	3.5	3.8
MC-H8-ZB38KE		2.5*	3.2	5.3	7.3	8.4	10.7	MC-H8-ZB38KE		4.2*	4.3	4.8	5.2	5.4	6.0
MC-M8-ZB38KE**		2.7*	3.4	5.7	8.0	9.2	12.0	MC-M8-ZB38KE**		4.0*	4.1	4.4	4.8	5.0	5.4
MC-P8-ZB38KE**		2.7*	3.4	5.7	8.0	9.2	12.0	MC-P8-ZB38KE**		4.0*	4.1	4.4	4.8	5.0	5.4
MC-M8-ZB45KE		3.0*	3.9	6.5	8.9	10.3	13.2	MC-M8-ZB45KE		4.6*	4.8	5.3	5.7	6.0	6.5
MC-M9-ZB45KE**		3.2*	4.1	6.9	9.6	11.1	14.5	MC-M9-ZB45KE**		4.6*	4.8	5.1	5.5	5.7	6.1
MC-R7-ZB45KE**		3.3*	4.8	7.1	10.1	11.8	15.6	MC-R7-ZB45KE**		4.6*	4.7	5.0	5.3	5.4	5.8
MC-R7-ZB50KE			3.1*	7.5	11.4	13.4	17.7	MC-R7-ZB50KE			5.5*	6.0	6.5	6.7	7.2
MC-S9-ZB50KE**			3.3*	7.9	12.0	14.2	18.9	MC-S9-ZB50KE**			5.3*	5.8	6.1	6.3	6.7
MC-R7-ZB58KE			4.1*	8.5	12.4	14.5	18.8	MC-R7-ZB58KE			6.1*	6.7	7.3	7.6	8.3
MC-S9-ZB58KE**			4.4*	8.9	13.1	15.4	20.3	MC-S9-ZB58KE**			5.9*	6.4	6.9	7.1	7.7
MC-S9-ZB66KE			6.0*	10.3	14.5	16.8	21.7	MC-S9-ZB66KE			6.6*	7.4	7.9	8.2	8.9
MC-V9-ZB66KE**			6.2*	10.7	15.1	17.6	23.0	MC-V9-ZB66KE**			6.5*	7.1	7.6	7.8	8.5
MC-V9-ZB76KE			6.9*	12.2	17.2	19.9	25.8	MC-V9-ZB76KE			7.5*	8.3	9.0	9.4	10.3
MC-V6-ZB76KE**			7.4*	12.9	18.5	21.6	28.7	MC-V6-ZB76KE**			7.4*	8.0	8.6	8.9	9.6
MC-V9-ZB95KE				12.2*	19.3	22.3	28.7	MC-V9-ZB95KE				11.2*	12.4	13.0	14.3
MC-V6-ZB95KE**			7.8*	14.9	21.5	25.2	33.1	MC-V6-ZB95KE**			10.2*	10.7	11.4	11.9	13.0
MC-V6-ZB114KE			8.4*	16.6	24.3	28.4	37.3	MC-V6-ZB114KE			12.5*	13.3	14.3	14.8	16.2
MC-W9-ZB114KE**			8.5*	16.8	24.6	28.8	38.0	MC-W9-ZB114KE**			12.4*	13.2	14.1	14.7	16.0
Digital Medium Temperature Models															
MC-M8-ZBD30KE			3.0*	5.0	6.9	8.0	10.5	MC-M8-ZBD30KE			2.5*	3.0	3.4	3.6	4.0
MC-M9-ZBD45KE			3.7*	6.7	9.9	11.8	16.1	MC-M9-ZBD45KE			4.4*	4.9	5.5	5.8	6.7
MC-V6-ZBDT60KE			7.0	10.4	14.9	17.6	23.6	MC-V6-ZBDT60KE			5.8	6.3	6.7	7.0	7.5
MC-V6-ZBDT90KE			8.0*	14.1	20.4	24.1	32.5	MC-V6-ZBDT90KE			8.8*	9.6	10.4	10.8	11.9

Conditions: EN13215: Suction Gas Return 20°C, Subcooling 0K

\* Conditions: EN13215: Suction Superheat 10K

\*\* Models for high ambient temperatures

## Capacity Data

Ambient Temperature: 32°C															
R407C		Cooling Capacity (kW)						R407C		Power Input (kW)					
		Evaporating Temperature (°C)								Evaporating Temperature (°C)					
Model	-45	-35	-30	-20	-10	-5	+5	Model	-45	-35	-30	-20	-10	-5	+5
MC-V6-ZB11ME				14.5*	21.5*	26,2	35,8	MC-V6-ZB11ME				10.7*	11.8*	12,7	14,1
MC-W9-ZB11ME				14.7*	21.9*	26,6	36,5	MC-W9-ZB11ME				10.5*	11.7*	12,4	13,7
MC-D8-ZB15KE				1.8*	3,0	3,6	5,1	MC-D8-ZB15KE				1.6*	1,6	1,7	1,8
MC-H8-ZB15KE**				1.9*	3,2	3,9	5,6	MC-H8-ZB15KE**				1.6*	1,6	1,6	1,7
MC-D8-ZB19KE				2.0*	3.2*	4,0	5,7	MC-D8-ZB19KE				1.7*	1.9*	2,0	2,2
MC-H8-ZB19KE**				2.2*	3,5	4,3	6,3	MC-H8-ZB19KE**				1.7*	1,8	1,9	2,0
MC-K9-ZB19KE**				2.2*	3,5	4,3	6,3	MC-K9-ZB19KE**				1.7*	1,8	1,9	2,0
MC-D8-ZB21KE				2.6*	4.0*	4.9*	6,8	MC-D8-ZB21KE				2.2*	2.5*	2.6*	3,0
MC-H8-ZB21KE**				2.9*	4,6	5,5	7,8	MC-H8-ZB21KE**				2.1*	2,3	2,4	2,6
MC-K9-ZB21KE**				2.8*	4,6	5,5	7,7	MC-K9-ZB21KE**				2.1*	2,3	2,4	2,6
MC-D8-ZR22KE				1.6*	2.6*	3.2*	4.7*	MC-D8-ZR22KE				1.3*	1.4*	1.5*	1.6*
MC-H8-ZR22KE**				1.7*	2.7*	3.4*	5.0*	MC-H8-ZR22KE**				1.4*	1.4*	1.4*	1.5*
MC-H8-ZB26KE				3.3*	5.1*	6,3	8,8	MC-H8-ZB26KE				2.5*	2.7*	2,9	3,2
MC-K9-ZB26KE**				3.3*	5.1*	6,2	8,7	MC-K9-ZB26KE**				2.5*	2.7*	2,9	3,2
MC-H8-ZB30KE				4.0*	5.9*	7,1	9,7	MC-H8-ZB30KE				3.0*	3.4*	3,6	4,0
MC-M8-ZB30KE**				4.2*	6.2*	7,5	10,4	MC-M8-ZB30KE**				2.8*	3.2*	3,3	3,7
MC-P8-ZB30KE**				4.2*	6,3	7,5	10,5	MC-P8-ZB30KE**				2.8*	3,1	3,3	3,6
MC-H8-ZB38KE					7.0*	8.4*	11,4	MC-H8-ZB38KE					4.3*	4.5*	5,3
MC-M8-ZB38KE**				4.9*	7.5*	9,1	12,3	MC-M8-ZB38KE**				3.6*	3.9*	4,2	4,7
MC-P8-ZB38KE**				4.9*	7.5*	9,1	12,5	MC-P8-ZB38KE**				3.6*	3.9*	4,1	4,6
MC-M8-ZB42KE				5.3*	7.9*	9.4*	13,0	MC-M8-ZB42KE				4.5*	4.9*	5.1*	5,6
MC-R7-ZB42KE**				5.7*	8,8	10,5	14,7	MC-R7-ZB42KE**				4.3*	4,6	4,7	4,8
MC-M8-ZB45KE				5.4*	8.2*	9.8*	13,8	MC-M8-ZB45KE				4.3*	4.8*	5.1*	5,9
MC-M9-ZB45KE**				5.6*	8.7*	10,7	14,8	MC-M9-ZB45KE**				4.2*	4.6*	4,9	5,5
MC-R7-ZB45KE**				5.8*	9,1	11,1	15,5	MC-R7-ZB45KE**				4.1*	4,5	4,7	5,1
MC-R7-ZB50KE**				5.7*	10,1	12,3	17,1	MC-R7-ZB50KE**				5.0*	5,5	5,7	6,3
MC-S9-ZB50KE**				6.1*	10,5	12,8	17,8	MC-S9-ZB50KE**				4.8*	5,2	5,4	6,0
MC-R7-ZB56KE				6.8*	10.2*	12,4	17,0	MC-R7-ZB56KE				5.6*	6.1*	6,4	7,0
MC-S9-ZB56KE				7.0*	10,8	12,9	17,8	MC-S9-ZB56KE				5.4*	5,9	6,1	6,6
MC-S9-ZB66KE**					13,3	15,9	22,0	MC-S9-ZB66KE**					6,7	7,1	7,9
MC-V9-ZB66KE**				9.0*	13,8	16,5	23,0	MC-V9-ZB66KE**				5.8*	6,4	6,7	7,3
MC-V6-ZB75KE				10.1*	15,4	18,5	25,7	MC-V6-ZB75KE				6.5*	7,2	7,6	8,3
MC-V9-ZB75KE				9.7*	14.5*	17,7	24,2	MC-V9-ZB75KE				6.5*	7.3*	7,8	8,7
MC-V9-ZB76KE				10.0*	15,6	18,7	26,0	MC-V9-ZB76KE				6.9*	7,7	8,1	9,1
MC-V6-ZB76KE**				10.4*	16,3	19,7	27,6	MC-V6-ZB76KE**				6.9*	7,5	7,7	8,5
MC-R7-ZR81KE				5.7*	9.4*	11.6*	16.4*	MC-R7-ZR81KE				4.5*	5.0*	5.3*	5.9*
MC-S9-ZR81KE				5.9*	9.7*	12.0*	17.2*	MC-S9-ZR81KE				4.4*	4.8*	5.0*	5.5*
MC-V6-ZB92KE				12.2*	18.1*	22,1	30,3	MC-V6-ZB92KE				8.5*	9.4*	9,9	11,0
MC-V9-ZB92KE				11.7*	17.2*	20,8	28,0	MC-V9-ZB92KE				8.7*	9.8*	10,5	11,8
MC-V9-ZB95KE				10.3*	17,3	21,0	29,8	MC-V9-ZB95KE				9.1*	10,3	11,0	12,7
MC-V6-ZB95KE**				11.1*	18,5	22,7	32,7	MC-V6-ZB95KE**				8.8*	9,7	10,2	11,5
MC-W9-ZB114KE**				13.6*	22,2	26,9	37,7	MC-W9-ZB114KE**				10.7*	11,9	12,5	14,0

Conditions: EN13215: Suction Gas Return 20°C, Subcooling 0K

\* Suction Superheat 10 K

\*\* Models for high ambient temperatures K

Preliminary Data



#### BENELUX

Josephinastraat 19  
NL-6462 EL Kerkrade  
Tel. +31 77 324 02 34  
Fax +31 77 324 02 35  
benelux.sales@emerson.com

#### UK & IRELAND

Unit 17, Theale Lakes Business Park  
Reading, Berkshire RG7 4GB  
Tel: +44 1189 83 80 00  
Fax: +44 1189 83 80 01  
uk.sales@emerson.com

#### BALKAN

Selska cesta 93  
HR-10 000 Zagreb  
Tel. +385 1 560 38 75  
Fax +385 1 560 38 79  
balkan.sales@emerson.com

#### GERMANY, AUSTRIA & SWITZERLAND

Senefelder Str. 3  
DE-63477 Maintal  
Tel. +49 6109 605 90  
Fax +49 6109 60 59 40  
ECTGermany.sales@emerson.com

#### SWEDEN, DENMARK, NORWAY & FINLAND

Norra Koxåsvägen 7  
SW-443 38 Lerum  
Tel. +46 725 386486  
nordic.sales@emerson.com

#### UKRAINE

Kurenevskiy lane, 12, build. A, office 302  
UA-04073 Kiev  
T +38 044 492 99 24 Ext. 232  
F +38 044 492 99 28  
Andrey.Gladchenko@emerson.com

#### FRANCE, GREECE & MAGHREB

8, Allée du Moulin Berger  
FR-69134 Ecully Cédex  
Tel. +33 4 78 66 85 70  
Fax +33 4 78 66 85 71  
mediterranean.sales@emerson.com

#### EASTERN EUROPE & TURKEY

Pascalstr. 65  
DE-52076 Aachen  
Tel. +49 2408 929 0  
Fax +49 2408 929 525  
easterneurope.sales@emerson.com

#### ROMANIA

Tel. +40 374 13 23 50  
Fax +40 374 13 28 11  
Ancuta.Ionescu@Emerson.com

#### ITALY

Via Ramazzotti, 26  
IT-21047 Saronno (VA)  
Tel. +39 02 96 17 81  
Fax +39 02 96 17 88 88  
italy.sales@emerson.com

#### POLAND

Szturmowa 2  
PL-02678 Warsaw  
Tel. +48 22 458 92 05  
Fax +48 22 458 92 55  
poland.sales@emerson.com

#### MIDDLE EAST & AFRICA

PO Box 26382  
Jebel Ali Free Zone - South, Dubai - UAE  
Tel. +971 4 811 81 00  
Fax +971 4 886 54 65  
mea.sales@emerson.com

#### SPAIN & PORTUGAL

C/ LLull, 321 (Edifici CINC)  
ES-08019 Barcelona  
Tel. +34 93 412 37 52  
Fax +34 93 412 42 15  
iberica.sales@emerson.com

#### RUSSIA & CIS

Letnikovskaya 10, Bld. 2, floor 5  
RU-115114 Moscow  
Tel. +7 495 981 98 11  
Fax +7 495 981 98 16  
ECT.Holod@emerson.com

For more details, see [www.emersonclimate.eu](http://www.emersonclimate.eu)

Connect with us: [facebook.com/EmersonClimateEurope](https://facebook.com/EmersonClimateEurope)



**Emerson Climate Technologies - European Headquarters** - Pascalstrasse 65 - 52076 Aachen, Germany  
Tel. +49 (0) 2408 929 0 - Fax: +49 (0) 2408 929 570 - Internet: [www.emersonclimate.eu](http://www.emersonclimate.eu)

The Emerson Climate Technologies logo is a trademark and service mark of Emerson Electric Co. Emerson Climate Technologies Inc. is a subsidiary of Emerson Electric Co. Copeland is a registered trademark and Copeland Scroll is a trademark of Emerson Climate Technologies Inc.. All other trademarks are property of their respective owners. Emerson Climate Technologies GmbH shall not be liable for errors in the stated capacities, dimensions, etc., as well as typographic errors. Products, specifications, designs and technical data contained in this document are subject to modification by us without prior notice. Illustrations are not binding.  
© 2015 Emerson Climate Technologies, Inc.

