

# Copeland™ M-Line condensing units

Install confidence.  
It's your reputation.

In the fast paced world of retail establishments, servicing refrigeration equipment can be challenging. Customers are demanding, the work environment is less than optimal, and time is at a premium. Emerson can help with the Value-Add line of Copeland M-Line condensing units.

## Keep your customers happy

There are numerous refrigeration applications that utilize fractional horsepower sized condensing units. Reach-in cases, food prep tables, and under-counters are just a few examples. Servicing this equipment can be difficult due to limited space. Using a Value-Add condensing unit with factory installed system protection devices saves on installation time and reduces disruptions to foodservice operations. You win and your customer wins.

## Make your business more productive

A labor cost savings solution...a Value-Add condensing unit with factory installed components significantly reduces on-site tube prepping, brazing, supplies and materials. In addition, it diminishes the need for frequent leak inspections since all filter drier and moisture indicator braze joints have been factory tested. Fewer job site problems and fewer call backs.

## Make your business more profitable

Value-Add condensing units reduce installation costs, reduce call backs and cut warranty expense. This translates into increased billing efficiency and a better bottom line. So the next time you replace a fractional horsepower condensing unit ask for the Value-Add Copeland M-Line unit from Emerson.



## Benefits for the foodservice operator

- Less disruption to their business
- Less equipment downtime
- Increased equipment reliability
- No additional cost

## Benefits for the contractor

- Lower installation costs
- Fewer job site problems
- Lower warranty expense
- Reduced call backs
- Greater billing efficiency

## Factory installed system protection

- Provides higher system reliability
- Provides a solution to working in restricted spaces

These Value-Add models offer factory installed filter driers and moisture indicators so there is no need to purchase these components separately.

To avoid installation issues be sure to select the appropriate condensing unit based on your application requirements and replacement needs.

Refrig	Nominal HP	Old Copeland™ Condensing Unit			L (in)	W (in)	H (in)	Liquid	Suction	New Copeland™ Condensing Unit			L (in)	W (in)	H (in)	Liquid	Suction
		Model Number	Compressor	Btu/h						Model Number	Compressor	Btu/h					
HT-MT 25°F Evap/90°F Ambient																	
R-134a	1/4	M2FH-0026-IAA-103	ARE27C3E	2080	13.94	11.47	9.67	1/4	3/8	M7JH-H020-IAA-177	ARE25C4E	1970	14.11	11.45	11.37	1/4	3/8
	1/3	M2FH-A033-IAA-103	ARE37C3E	2620	13.80	11.50	9.70	1/4	3/8	M7JH-H029-IAA-177	ARE35C5E	2640	14.39	11.57	11.37	1/4	3/8
	1/2	M2FH-0049-IAA-103	ART51C1E	3600	16.20	12.82	11.78	1/4	3/8	M7JH-H038-IAA-177	ARE48C5E	3450	14.40	11.45	11.37	1/4	3/8
		M2FH-A050-IAA-103	RRT62C1E	4060	17.30	14.10	11.70	1/4	3/8	M7ZH-H046-IAA-177	RRT62C1E	4210	17.45	13.46	11.71	3/8	1/2
		M2FH-0056-IAA-103	ART64C1E	4630	17.38	14.03	11.82	1/4	3/8	M7ZH-H055-CFA-177	RRT64C1E	4930	17.36	13.45	11.75	3/8	1/2
		M2FH-0056-IAV-103	ART64C1E	4630	17.38	14.03	11.82	1/4	3/8	M7ZH-H055-CAV-177	RRT64C1E	4930	17.36	13.55	11.75	3/8	1/2
R-404A	1/4	M4FH-0025-IAA-103	ASE19C3E	2430	13.82	11.44	9.67	1/4	3/8	M6JM-H023-IAA-177	ASE14C4E	2180	14.11	11.45	11.37	1/4	3/8
	1/3	M4FH-A036-IAA-103	ASE24C3E	3370	16.06	12.87	11.78	1/4	3/8	M6JM-H035-IAA-177	ASE28C5E	3390	14.39	11.57	11.37	1/4	3/8
	1/2	M4FH-0050-CAA-103	ASE32C3E	4380	16.06	12.82	11.81	1/4	3/8	M6QM-H049-IAA-272	ASE39C5E	4250	15.67	12.12	11.37	1/4	3/8
		M4FH-0050-CAV-103	ASE32C3E	4380	16.06	12.82	11.81	1/4	3/8	M6QM-H049-CAV-078	ASE39C5E	4250	15.66	12.01	11.37	1/4	3/8
LT -10°F Evap/90°F Ambient																	
R-404A	1/4	M4FL-0025-IAA-072	AFB09C3E	872	14.14	12.32	11.15	1/4	3/8	M6JL-0021-IAA-078	AFE08C4E	872	14.13	12.12	11.37	1/4	3/8
	1/3	M4FL-0033-IAA-103	AFE11C3E	1390	13.80	11.80	9.70	1/4	3/8	M6ZM-0032-IAA-177	ASE24C5E	1340	16.51	12.68	11.73	1/4	3/8
		M4FL-0033-IAA-111	AFE11C3E	1390	13.80	11.80	9.70	1/4	3/8	M6ZM-0032-IAA-179	ASE24C5E	1340	16.17	13.38	11.73	1/4	3/8
	1/2	M4FL-0040-IAA-103	AFE13C3E	2040	16.06	12.68	11.78	1/4	3/8	M6JL-H048-IAA-177	AFE17C4E	1940	14.39	11.57	11.37	1/4	3/8
		M4FL-0040-IAV-103	AFE13C3E	2040	16.10	13.00	11.70	1/4	3/8	M6JL-H048-IAV-177	AFE17C4E	1940	14.39	11.57	11.37	1/4	3/8
		M4FL-H051-IAA-103	AFE17C4E	2150	17.38	12.93	11.87	1/4	3/8	M6ZL-0055-IAA-177	AFE20C5E	2350	16.51	12.68	11.73	1/4	3/8
	3/4	M4FL-0067-CFA-111	AFT26C1E	3290	18.10	14.03	11.82	1/4	1/2	M6GL-H079-CFA-179	RFT26C1E	3280	18.86	14.34	11.79	1/4	1/2
		M4FL-0067-CFA-103	AFT26C1E	3290	18.10	14.03	11.82	1/4	1/2	M6GL-H079-CFA-177	RFT26C1E	3130	18.86	14.34	11.79	3/8	1/2
		M4FL-0067-CFV-103	AFT26C1E	3290	18.10	14.00	11.80	1/4	1/2	M6GL-H079-CAV-177	RFT26C1E	3070	18.86	14.34	11.79	3/8	1/2

Orig. Refrig.	Nom. HP	Original R-12 Model	Original Comp.	L (in)	W (in)	H (in)	R-12 Capacity	R-134a Replacement	Comp.	L (in)	W (in)	H (in)	R-134a Capacity
MT R-12 45°F Evap/90°F Ambient													
R-12	1/4	MBFH-A026	ARE27C3	14.20	11.80	9.70	2770	M7JH-0018-IAA-177	ARE25C4E	14.10	11.45	11.37	2690
	1/3	MBFS-0033	ARE37C3	14.20	11.80	9.70	4080	M7JH-H029-IAA-177	ARE35C5E	14.10	11.45	11.37	3920
	1/2	MBFH-0050	ART62C1	16.30	11.80	11.70	5330	M7JH-H042-IAA-177	ARE54C5E	14.40	11.45	11.37	5380

Review form **93-04 Refrigerant Changeover Guidelines** for replacing R-12 with R-134a

Orig. Refrig.	Nom. HP	Original R-22 Model	Original Comp.	L (in)	W (in)	H (in)	R-22 Capacity	R-407C Replacement	Compressor	L (in)	W (in)	H (in)	R-407C Capacity
MT R-22 25°F Evap/90°F Ambient													
R-22	1/4	MCFH-0027-IAA-111	ARE36C3	13.82	11.25	9.67	2600	M6ZM-0031-IAA-179	ASE20C4E	16.17	13.38	11.73	2710
	1/3	MCFH-0036-IAA-103	ARE43C3	16.06	12.87	11.78	3140	M6JM-H028-IAA-177	ASE20C4E	14.11	11.45	11.37	2810
		MCFH-0036-IAA-111	ARE43C3	16.06	12.69	11.78	3140	M6JM-H028-IAA-179	ASE20C4E	13.91	11.46	9.67	2810
		MCFH-0049-CAA-111	ARE59C3	16.06	12.68	11.81	4250	M6ZP-0053-IAA-179	RST45C1E	16.60	14.18	11.73	4360
	1/2	MCFH-0049-CAV-111	ARE59C3	16.06	12.68	11.81	4250	M6ZP-0053-IAV-179	RST45C1E	16.60	14.10	11.73	4360
		MCFH-0056-IAA-103	ART69C1	17.38	14.03	11.82	4950	M6GP-H064-CAA-177	RST45C1E	18.86	14.34	11.79	5040
		MCFH-0056-IAV-103	ART69C1	17.38	14.03	11.82	4950	M6GP-H064-CAV-177	RST45C1E	18.86	14.34	11.79	5040

Review form **95-14 Refrigerant Changeover Guidelines** for replacing R-22 with R-407C

## Features

Steel Base Standard BOMs Air-Cooled	Receiver w/Valve	Suction Valve	Liquid Base Valve	Fan Guard	End Covers	Conduit	Power Cord	Filter Drier	Moisture Indicator	UL Listed	UL Recognized
177	X	X		X			X	X	X		X
179		X	X	X			X	X			X
078*	X	X		X	X	X		X	X	X	
272	X	X		X	X	X		X	X		X

\* Units with a compressor RLA under 6A do not require pressure controls for UL listing. xx8 identifies units under 6A that are listed, but do not have pressure controls.