

TECHNICAL SPECIFICATIONS

MG1E Series Furnaces

Gas Furnace 80% AFUE Hot Surface Ignition

The MG1 Series furnace is designed for all sizes of manufactured and modular homes. These units incorporate high efficiency, reliability, and low maintenance. Units may be installed free standing in a utility room or enclosed in an alcove or closet. MG1 Series furnaces are available in A/C adaptable or A/C ready, with or without coil cavity box and many burner options.

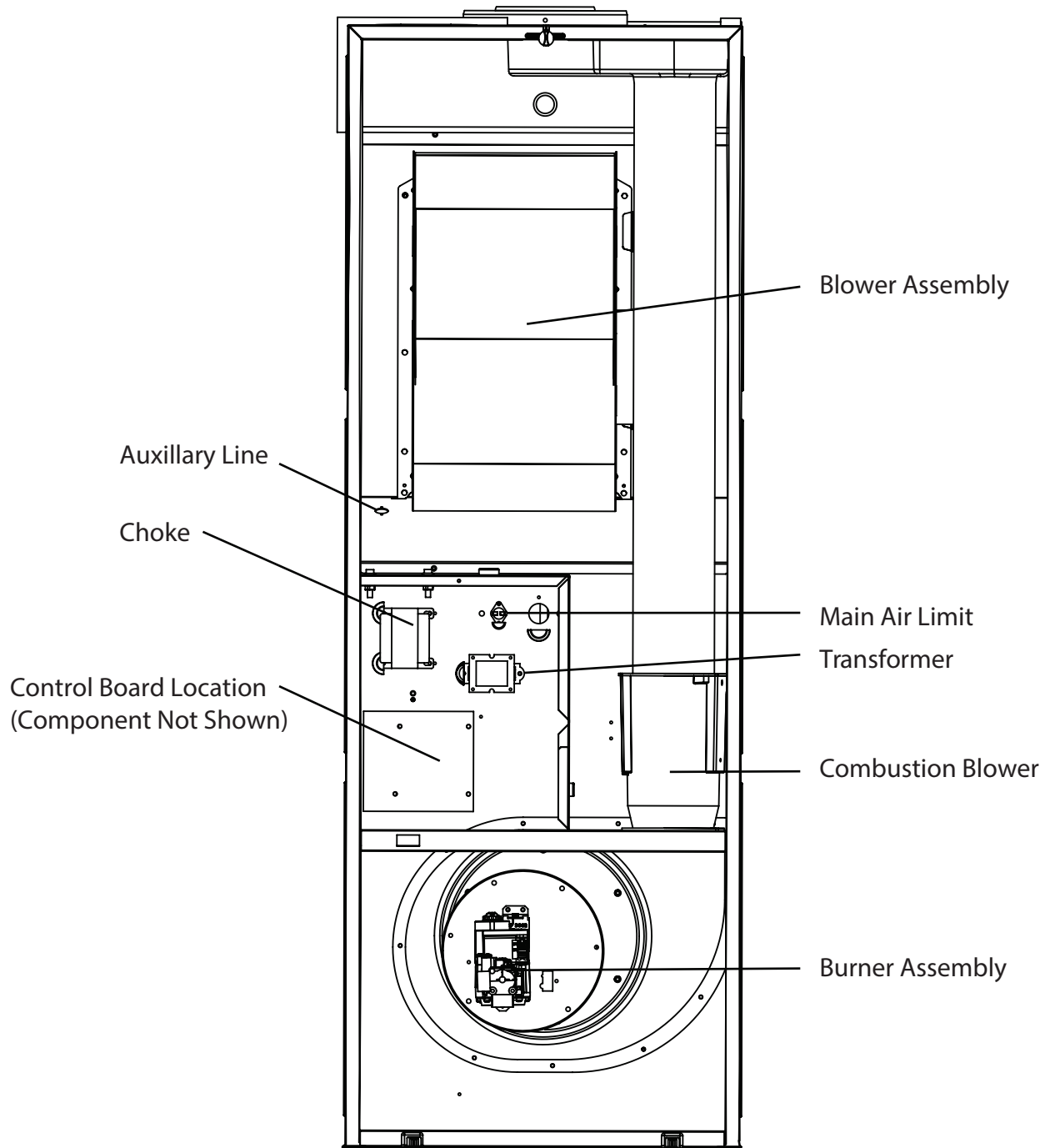


For California installations in SCAQMD only: This furnace does not meet the SCAQMD Rule 1111 NOx emission limit (14 ng/J), and thus is subject to a mitigation fee of up to \$450. This furnace is not eligible for the Clean Air Furnace Rebate Program: www.CleanAirFurnaceRebate.com.

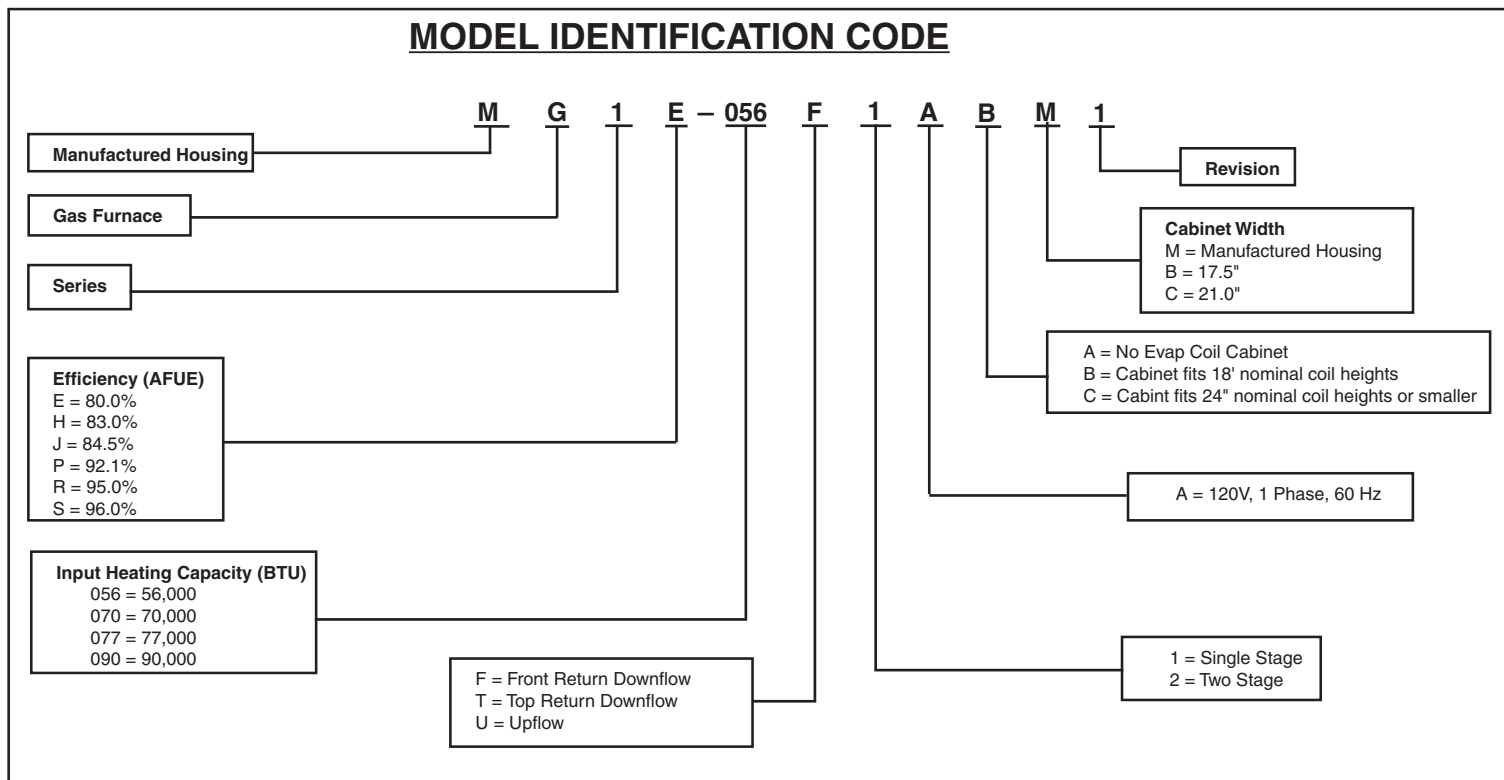
FEATURES and BENEFITS

- **Sealed Combustion System:** Vents exhaust gas directly outdoors and draws in 100% outside air for the burner.
- **Easy Open Pawl Latch:** Secures the door firmly for transit, yet allows easy removal for access.
- **Choice of Air Conditioning Options:** From 2 to 4 tons A/C ready.
- **Large, Effective Air Filter:** Room air is cleaner with this permanent washable filter.
- **High Efficiency Drum Heat Exchanger:** Delivers optimum heat transfer with low air resistance.
- **Appliance Quality Door:** Protects against rust and other corrosion. Baked enamel finish allows for easy cleaning.
- **Fully Insulated Cabinet:** Insures minimized heat loss and quiet operation.
- **Reliable Burner:** With uniform flame pattern extends life of heat exchanger.

COMPONENTS



MODEL IDENTIFICATION CODE



SPECIFICATIONS

Furnace Model No	Input	Output	Orifice Number		ESP in WC	Motor HP	Motor FLA	A / C Ready Tons	AFUE %	Shipping Weight	
			Nat	LP						A Cabinet	B Cabinet
MG1E-056	56000	45000	29	45	0.3	3/4	8.4	4	80%	157	171
MG1E-070	70000	57000	24	42	0.3	3/4	8.4	4	80%	157	171
MG1E-077	77000	62000	21	40	0.3	3/4	8.4	4	80%	157	171
MG1E-090	85000	68000	17	36	0.3	3/4	8.4	4	80%	157	171

Electrical Supply - 120 volts, 60HZ, 1 Ph.

Fuse or Breaker - 15 amps

Temperature Rise - 45° to 75°F

Gas Connection - 1/2" NFPT

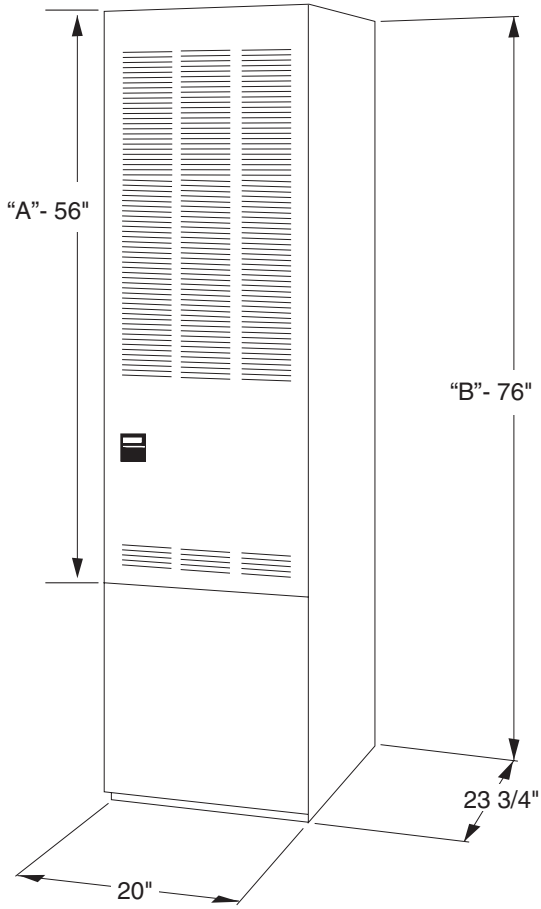
High Altitude - Tables in the Installation Instructions for elevations above 2,000 feet.

Thermostat Circuit - 24 volts, 60HZ, 30 vac

Normal Anticipator Setting - 0.4

Manifold Pressure - Natural Gas: 3.5" w.c. LP Gas: 10" w.c.

DIMENSIONS



"A" Model without Coil Cabinet
 "B" Model with Coil Cabinet

CLEARANCES

ALL MODELS	CLOSET	ALCOVE
Front	6"	18"
Back	0"	0"
Sides	0"	0"
Roof Jack	0"	0"
Top	6"	6"
Top and Sides of Duct	0"	0"
Bottom of Duct		
B Cabinet	0"	0"
A Cabinet (w/coil box)	0"	0"
A Cabinet (w/o coil box)	1/4"	1/4"

BLOWER PERFORMANCE

Heating Airflow (CFM) & Temperature Rise (°F)

MG1E-056F1A(A,B)M1											
MODEL NAME/ HEATING INPUT	MOTOR SPEED	EXTERNAL STATIC PRESSURE (IN. W.C.)									
		0.1		0.2		0.3		0.4		0.5	
		CFM	RISE	CFM	RISE	CFM	RISE	CFM	RISE	CFM	RISE
MG1E-056F1AAM1 56,000 BTU/Hr	5 - High										
	4 - Alternate										
	3 - Med-Hi*					928	45	876	47	829	50
	2 - Med-Low	890	47	843	49	790	53	735	56	683	61
	1 - Low	798	52	749	55	695	60	629	66		

MG1E-070F1A(A,B)M1											
MODEL NAME/ HEATING INPUT	MOTOR SPEED	EXTERNAL STATIC PRESSURE (IN. W.C.)									
		0.1		0.2		0.3		0.4		0.5	
		CFM	RISE	CFM	RISE	CFM	RISE	CFM	RISE	CFM	RISE
MG1E-070F1AAM1 70,000 BTU/Hr	5 - High										
	4 - Alternate										
	3 - Med-High*	1,212	43	1,178	44	1,148	45	1,114	47	1,079	48
	2 - Med-Low	931	56	886	59	836	62	782	66	732	71
	1 - Low										

MG1E-077F1AAM1											
MODEL NAME/ HEATING INPUT	MOTOR SPEED	EXTERNAL STATIC PRESSURE (IN. W.C.)									
		0.1		0.2		0.3		0.4		0.5	
		CFM	RISE	CFM	RISE	CFM	RISE	CFM	RISE	CFM	RISE
MG1E-077F1AAM1 77,000 BTU/Hr	5 - High										
	4 - Alternate										
	3 - Med-High*	1,212	47	1,178	48	1,148	50	1,114	51	1,079	53
	2 - Med-Low	996	57	960	59	924	62	885	64	848	67
	1 - Low										

MG1E-090F1AAM1											
MODEL NAME/ HEATING INPUT	MOTOR SPEED	EXTERNAL STATIC PRESSURE (IN. W.C.)									
		0.1		0.2		0.3		0.4		0.5	
		CFM	RISE	CFM	RISE	CFM	RISE	CFM	RISE	CFM	RISE
MG1E-090F1AAM1 85,000 BTU/Hr	5 - High										
	4 - Med-High										
	3 - Med-Low*	1,188	56	1,154	58	1,119	60	1,091	61	1,054	63
	2 - Alternate	1,015	66	978	68	956	70	917	73		
	1 - Low										

NOTES:

1. To comply with government mandated efficiency standards, two openings are required for airflows above 1,600 CFM.
2. Data is shown without filter.
3. Temperature rises in the table are approximate. Actual temperature rises may vary.
4. To comply with government mandated efficiency standards, speed settings shaded in gray are not allowed in HEAT mode.
5. The "*" denotes the factory heat and cool setting. If a different motor speed is needed, the appropriate wire from the "HEAT" or "COOL" tap on the control board must be connected to the desired Tap (1-5) at the motor.

BLOWER PERFORMANCE (cont.)

Cooling Airflow (CFM)

MG1E-056F1AAM1									
MODEL NAME/ HEATING INPUT	MOTOR SPEED	EXTERNAL STATIC PRESSURE (IN. W.C.)							
		0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
		CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM
MG1E-056F1AAM1 56,000 BTU/Hr	5 - High*	1,524	1,491	1,458	1,421	1,385	1,348	1,308	1,270
	4 - Alternate	1,199	1,160	1,122	1,080	1,037	993	946	899
	3 - Med-High	1,013	972	928	876	829	780	728	675
	2 - Med-Low	890	843	790	735	683	615	566	510
	1 - Low	798	749	695	629	442	369		

MG1E-070F1AAM1									
MODEL NAME/ HEATING INPUT	MOTOR SPEED	EXTERNAL STATIC PRESSURE (IN. W.C.)							
		0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
		CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM
MG1E-070F1AAM1 70,000 BTU/Hr	5 - High*	1,573	1,541	1,511	1,479	1,452	1,419	1,388	1,358
	4 - Alternate	1,387	1,353	1,321	1,289	1,254	1,216	1,183	1,148
	3 - Med-High	1,212	1,178	1,148	1,114	1,079	1,036	1,005	964
	2 - Med-Low	931	886	836	782	732	670	620	565
	1 - Low	640	599	562	513	476	425		

MG1E-077F1AAM1									
MODEL NAME/ HEATING INPUT	MOTOR SPEED	EXTERNAL STATIC PRESSURE (IN. W.C.)							
		0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
		CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM
MG1E-077F1AAM1 77,000 BTU/Hr	5 - High*	1,573	1,541	1,511	1,479	1,452	1,419	1,388	1,358
	4 - Alternate	1,333	1,300	1,268	1,236	1,201	1,162	1,129	1,093
	3 - Med-High	1,212	1,178	1,148	1,114	1,079	1,036	1,005	964
	2 - Med-Low	996	960	924	885	848	814	772	734
	1 - Low	683	642	599	540	498	451	386	

MG1E-090F1AAM1									
MODEL NAME/ HEATING INPUT	MOTOR SPEED	EXTERNAL STATIC PRESSURE (IN. W.C.)							
		0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
		CFM	CFM	CFM	CFM	CFM	CFM	CFM	CFM
MG1E-085F1AAM1 85,000 BTU/Hr	5 - High*	1,590	1,555	1,521	1,493	1,458	1,426	1,397	1,371
	4 - Med-High	1,337	1,306	1,274	1,243	1,210	1,182	1,142	1,104
	3 - Med-Low	1,188	1,154	1,119	1,091	1,054	1,023	984	941
	2 - Alternate	1,015	978	956	917	871	834	792	740
	1 - Low	779	742	698	654	617	564	516	472

NOTES:

1. To comply with government mandated efficiency standards, two openings are required for airflows above 1,600 CFM.
2. Data is shown without filter.
3. The "*" denotes the factory heat and cool setting. If a different motor speed is needed, the appropriate wire from the "HEAT" or "COOL" tap on the control board must be connected to the desired Tap (1-5) at the moto

ACCESSORIES

Description	Part Number
Automatic Cavity Damper	901083
New England Safety Kit	901855
Ceiling Rings (2 piece adjustable)	902521
Duct Connector 10" x 6" - 6 / carton	902926
Transit Vent Kit 12 / carton	903838
High Altitude Orifice Kit	1018498
Evaporator Coil Box 20"	911969A
Evaporator Coil Box 24"	922594

Vent Kits	Part Number
Soffit Air Inlet (for VentilAire III only)	917201A
Air Tube Kit M (high capacity M Series gas/oil furnaces)	914118
VentilAire III - Sloped 3/12	914098B
VentilAire IV - Sloped 3/12	914229B
VentilAire V - Sloped 3/12	1018547

Plenum Connectors	Part Number
11.25 x 13.50 x 0.88 12 / carton	901987A
11.25 x 13.50 x 2.00 12 / carton	901988A
11.25 x 13.50 x 4.25 6 / carton	901989A
11.25 x 13.50 x 6.25 6 / carton	901990A
11.25 x 13.50 x 8.25 4 / carton	901991A
11.25 x 13.50 x 10.25 3 / carton	901992A
11.25 x 13.50 x 12.25 3 / carton	901993A
11.25 x 13.50 x 6.25 24 / carton	902681A

Sloped Roof Flashings	Part Number
2.5" in 12" - 4 / carton	903893
3" in 12" - 4 / carton	903894
4" in 12" - 2 / carton	903895

Roof Jack	Part Number
FAW1523-0A	903658
FAW2135-0A	903659
FAW2747-0A	903660
SAW2135-2A	903662
SAW2747-2A	903663
SAW3563-2A	903664
SAW5195-2A	920638
SAW2747-4A	903678A
SAW3563-4A	903665A
SAW5195-4A	903666A

Flue Extensions	Part Number
EI10A-5	901935
EI18A-5	903107
EI16A-5	901937



GENERAL TERMS OF LIMITED WARRANTY

For complete details of the Limited Warranty, including applicable terms and conditions, see your local installer or contact the Nortek Global HVAC, LLC warranty department for a copy.

Before purchasing this appliance, read important energy cost and efficiency information available from your retailer. Specifications and illustrations subject to change without notice and without incurring obligations. Printed in U.S.A (08/2019)



Indoor Comfort Products Brought to You
by the Manufactured Home Experts!

South-AC Sweat Fit Split Systems (SEER2)



Micro-Channel Condenser

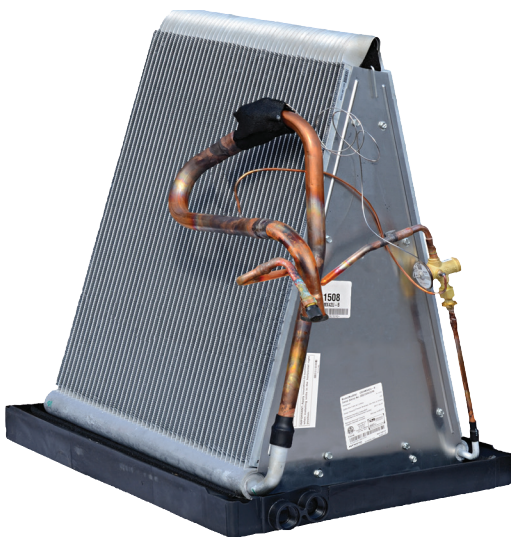
Robust Post and Jacket Design has independent louvered panels that are easily removed for service and maintenance, while protecting the coil from yard debris and extreme weather.

Corner-Post Packaging creates a gap around the entire unit, distributes the load evenly, and minimizes contact with the carton; so the unit arrives safely to your customer.

Micro-Channel Coils minimize refrigerant charge and cost; while mounted on a rugged, composite drain pan with damage-preventing molded steps and drainage holes, in a single competitive footprint.

All DOE Regions can use these same condensers for simplified stocking approach throughout your entire distribution and installation networks.

Dependable Warranty handled directly by Style Crest's dedicated HVAC Team, offering the most competitive warranty coverage and service in the Manufactured Housing Industry.



Micro-Channel Coil



Coil Accessory Kit



Sweat Fit Line Set



www.stylecrestinc.com | 800.945.4440

South-AC Sweat Fit Split Systems (SEER2)

Nominal Tons ¹	Style Crest Item #	AHRI Model #	Cooling Capacity	SEER2	EER2	R-410A Charge	MCA	MOP	Sound
2	RSA3ME4MIRN24	RSA3ME4MIRN24K	23.4 MBH	14.3	11.7	68 Oz	12.4	20 A	75 dB
2.5	RSA3ME4MIRN30	RSA3ME4MIRN30K	28.4 MBH	14.3	11.7	74 Oz	15.7	25 A	75 dB
3	RSA3ME4MISN36	RSA3ME4MISN36K	35 MBH	14.3	11.7	69 Oz	17.2	30 A	75 dB
3.5	RSA3ME4MISN42	RSA3ME4MISN42K	39.5 MBH	14.3	11.7	84 Oz	23.5	40 A	79 dB
4	RSA3ME4MISN48	RSA3ME4MISN48K	45 MBH	13.8	11.2	83 Oz	26.2	45 A	79 dB

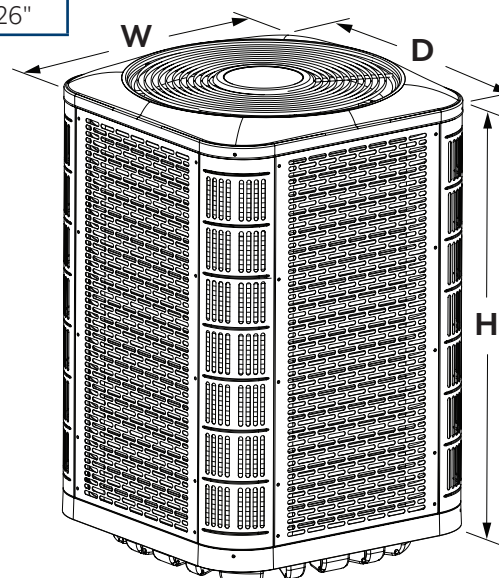
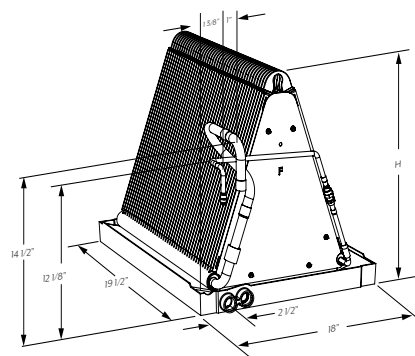
1) Refer to AHRI listings for actual capacities and performance data.

Nom. Tons ¹	Style Crest Item #	Item Width	Item Depth	Item Height	Minimum Pad Size	Liquid Line ϕ	Suction Line ϕ	Ship Width	Ship Depth	Ship Height	Ship Weight	UPC/GTIN
2	RSA3ME4MIRN24	31 3/4"	31 3/4"	29 1/4"	32" x 32"	3/8"	3/4"	35 1/2"	35 1/2"	30 3/4"	152 lbs	663132442270
2.5	RSA3ME4MIRN30	31 3/4"	31 3/4"	33 1/4"	32" x 32"	3/8"	3/4"	35 1/2"	35 1/2"	34 3/4"	161 lbs	663132442287
3	RSA3ME4MISN36	31 3/4"	31 3/4"	33 1/4"	32" x 32"	3/8"	3/4" ²	35 1/2"	35 1/2"	34 3/4"	167 lbs	663132442294
3.5	RSA3ME4MISN42	31 3/4"	31 3/4"	41 1/4"	32" x 32"	3/8"	7/8"	35 1/2"	35 1/2"	42 3/4"	205 lbs	663132442300
4	RSA3ME4MISN48	31 3/4"	31 3/4"	41 1/4"	32" x 32"	3/8"	7/8"	35 1/2"	35 1/2"	42 3/4"	205 lbs	663132442317

2) Line set vapor line increases to 7/8" over 24 ft equivalent length.

Micro-Channel Indoor (Evaporator) A-Coil Matches with TXV

Nom. Tons ¹	Condenser Item #	Indoor Coil Item #	AHRI Cert. #	Coil Height	Min. Coil Box Ht.
2	RSA3ME4MIRN24	C84DAMX24U-B	208404143	18"	20"
2.5	RSA3ME4MIRN30	C84DAMX30U-B	208404144	18"	20"
3	RSA3ME4MISN36	C84DAMX36U-B	208404147	18"	20"
3.5	RSA3ME4MISN42	C84DAMX42U-B	208404145	18"	20"
4	RSA3ME4MISN48	C84DAMX48U-B	208404146	25"	26"



Sweat Fit Line Sets

Primary Item #	Alternate Item #	Line Length	Liquid Line ϕ	Suction Line ϕ	Suction Insulation
N/A	6463S2041	20 ft	3/8"	3/4"	1/2"
13S7525	6463S2541	25 ft	3/8"	3/4"	1/2"
13S7530	6463S3041	30 ft	3/8"	3/4"	1/2"
13S7550	6463S5041	50 ft	3/8"	3/4"	1/2"
N/A	6473S2041	20 ft	3/8"	7/8"	1/2"
13S7825	6473S2541	25 ft	3/8"	7/8"	1/2"
13S7830	6473S3041	30 ft	3/8"	7/8"	1/2"
13S7850	6473S5041	50 ft	3/8"	7/8"	1/2"

Note: A furnace blower upgrade and/or time delay relay-TDR may be required to achieve the published AHRI-rated performance.