

Comfort-Aire®



HMG**F

Standard Air Handler

SPECIFICATIONS

APPLICATION

- 2 - 5 ton systems
- Upflow and horizontal (counterflow capable with kits)
- Sequenced for demand management
- External access to heater circuit breakers

INSTALLATION

- 1 Piece design for easier installation
- Multiposition - Upflow/Horizontal Left/Right
- Unit approved for installation in manufactured housing and mobile homes

CABINET

- Foil faced insulation
- Painted, heavy-gauge galvanized cabinet
- Filter rack built into every air handler
- High-strength, UV- and heat-resistant plastic drain pan for corrosion resistance
- Microban® antimicrobial built in to drain pan to resist mold and mildew growth and fouling of the drain
- 2% or less air leakage

COMPONENTS

- Efficient PSC blower motors
- Standard transformer and blower relay
- Field-installed 2.5-20 kW electric heat kits with easy plug connections
- Built-in indoor time delay for increased efficiency
- Sleeves on distributor tubing to protect tubing

ACCESSORIES

- Counterflow kit
- Single point power kit

WARRANTY

Standard warranty or Extended warranty available with product registration. See warranty document for details or visit www.marsdelivers.com



MODEL NUMBER GUIDE

H	M	G	24	F	1	M
DX Air Handler	Multi-Tubed Coil	'Green' Gas R-410A	Capacity BTUH x 1000	Flowrator (piston) with PSC Drive	Power 1 = 208/230-1-60	Series/ Revision

PHYSICAL

Model	Volts/Hz/Phase	Max. Elec. Heat Available (kW)	Transformer Size & Type	Filter Size (in.)	Refrigerant Connection (IDS)		Florator Piston Size	Weight (lbs.)
					Suction (in.)	Liquid (in.)		
HMG24F1M	208-230/60/1	10kW	40 VA Class 2	15 X 20	3/4	3/8	0.057	122
HMG30F1M	208-230/60/1	15kW	40 VA Class 2	15 X 20	3/4	3/8	0.062	125
HMG36F1M	208-230/60/1	15kW	40 VA Class 2	18 X 20	7/8	3/8	0.071	160
HMG42F1M	208-230/60/1	15kW	40 VA Class 2	18 X 24	7/8	3/8	0.076	162
HMG48F1M	208-230/60/1	20kW	40 VA Class 2	18 X 24	7/8	3/8	0.080	185
HMG60F1M	208-230/60/1	20kW	40 VA Class 2	18 X 24	7/8	3/8	0.093	185

BLOWER

Model	Motor Size (hp)	Blower Size (in.)	Speed Tap	CFM @ ESP - in. W.C.				
				0.1	0.2	0.3	0.4	0.5
HMG24F1M	1/3	9 x 6	Low (Red)	630	625	615	610	580
			Med (Blue)	885	875	850	820	780
			High (Black)	1130	1100	1070	1010	950
HMG30F1M	1/3	10 x 8	Low (Red)	900	865	830	780	740
			Med (Blue)	1075	1060	1030	985	940
			High (Black)	1240	1210	1170	1135	1085
HMG36F1M	1/3	10 x 8	Low (Red)	1075	1040	1000	950	900
			Med (Blue)	1300	1250	1205	1145	1085
			High (Black)	1510	1450	1390	1320	1245
HMG42F1M	1/3	12 x 8	Low (Red)	1325	1315	1300	1275	1225
			Med (Blue)	1490	1465	1440	1395	1315
			High (Black)	1820	1770	1690	1600	1500
HMG48F1M	1/2	11 x 9	Low (Red)	1775	1710	1645	1565	1470
			Med (Blue)	1995	1895	1800	1685	1560
			High (Black)	2070	1970	1850	1719	1595
HMG60F1M	1/2	12 x 9	Low (Red)	1675	1630	1580	1520	1450
			Med (Blue)	1965	1925	1875	1800	1695
			High (Black)	2140	2085	2000	1895	1795

All data given while air handler is operating with a wet DX coil and air filter installed.
 Speeds marked in italics with an asterisk* are the factory settings for both heating and cooling.
 Cooling speeds should not be reduced below factory settings.
 Different speeds can be set for heating mode.

ELECTRICAL

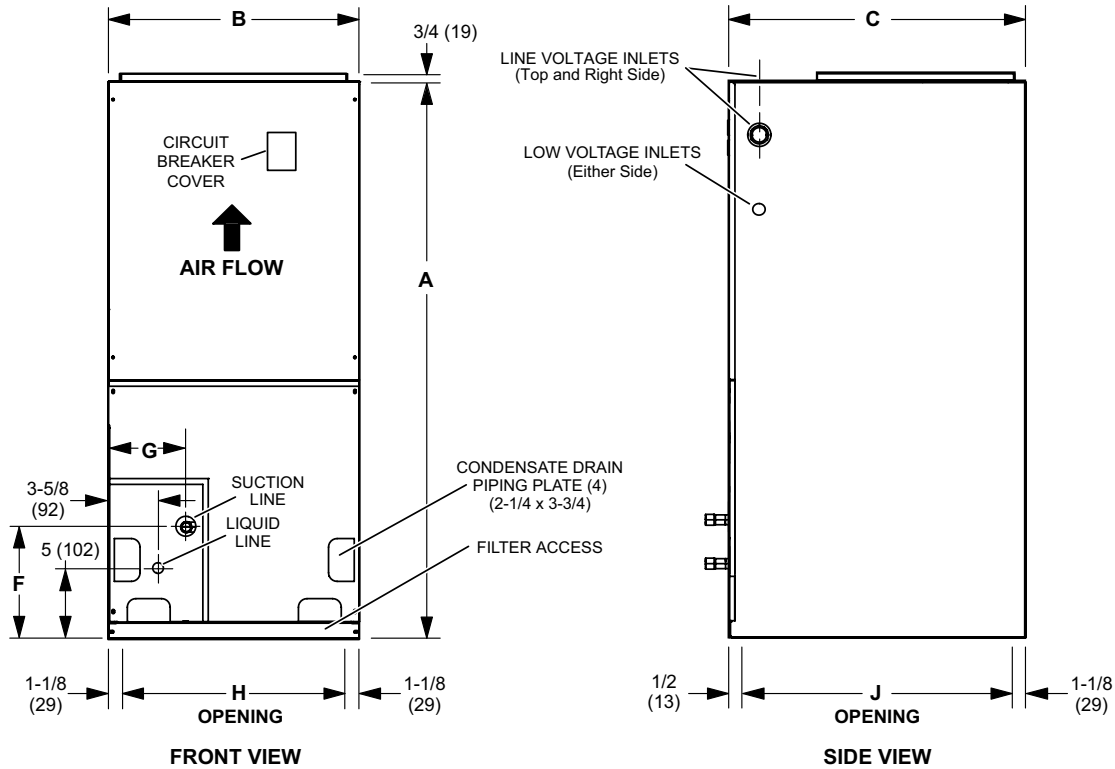
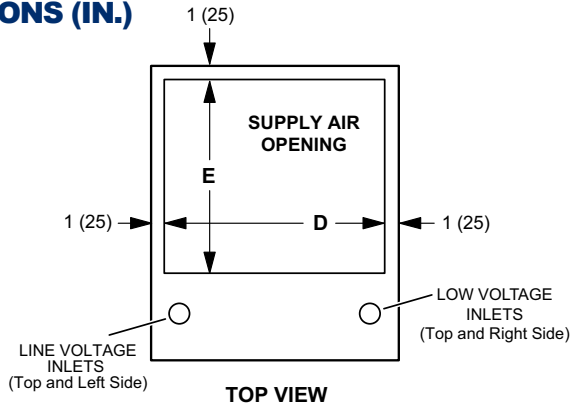
Model	Elec. Heating Cap.		Blower Amps	Min. Circuit Ampacity				Max. Circuit Breaker Size				Single Point Power Supply			
	kW	Btuh		208v		240v		208v		240v		208v		240v	
	240v	240v		1	2	1	2	1	2	1	2	Amps	Fuse	Amps	Fuse
HMG24F1M	0	0	1.6	-	-	-	-	15	-	15	-	-	-	-	-
	2.5	8600	1.6	13.0	-	15.0	-	15	-	15	-	-	-	-	-
	5	17100	1.6	25.0	-	28.0	-	25	-	30	-	-	-	-	-
	7.5	25600	1.6	36.0	-	41.0	-	40	-	45	-	-	-	-	-
	9	30700	1.6	43.0	-	49.0	-	45	-	50	-	-	-	-	-
HMG30F1M	0	0	1.9	-	-	-	-	15	-	15	-	-	-	-	-
	2.5	8600	1.9	14.0	-	15.0	-	15	-	15	-	-	-	-	-
	5	17100	1.9	25.0	-	28.0	-	25	-	30	-	-	-	-	-
	7.5	25600	1.9	36.0	-	41.0	-	40	-	45	-	-	-	-	-
	9	30700	1.9	43.0	-	49.0	-	45	-	50	-	-	-	-	-
	12.5	42700	1.9	40.0	19.0	46.0	22.0	40	20	50	25	59	60	67	70
	15	51200	1.9	25.0	45.0	28	52	25	50	30	60	70	70	81	90
HMG36F1M	0	0	2.3	-	-	-	-	15	-	15	-	-	-	-	-
	2.5	8600	2.3	14.0	-	16.0	-	15	-	20	-	-	-	-	-
	5	17100	2.3	25.0	-	29.0	-	25	-	30	-	-	-	-	-
	7.5	25600	2.3	36.0	-	42.0	-	40	-	45	-	-	-	-	-
	9	30700	2.3	43.0	-	49.0	-	45	-	50	-	-	-	-	-
	12.5	42700	2.3	40.0	19.0	46.0	22.0	40	20	50	25	59	60	68	70
	15	51200	2.3	25.0	45.0	29.0	52.0	25	50	30	60	70	70	81	90
HMG42F1M	0	0	1.9	-	-	-	-	15	-	15	-	-	-	-	-
	2.5	8600	1.9	14.0	-	15.0	-	15	-	15	-	-	-	-	-
	5	17100	1.9	25.0	-	28.0	-	25	-	30	-	-	-	-	-
	7.5	25600	1.9	36.0	-	41.0	-	40	-	45	-	-	-	-	-
	9	30700	1.9	43.0	-	49.0	-	45	-	50	-	-	-	-	-
	12.5	42700	1.9	40.0	19.0	46.0	22.0	40	20	50	25	54	60	67	70
	15	51200	1.9	25.0	45.0	28.0	52.0	25	50	30	60	70	70	81	90
HMG48F1M	0	0	3.9	-	-	-	-	15	-	15	-	-	-	-	-
	5	17100	3.9	27.0	-	31.0	-	30	-	35	-	-	-	-	-
	7.5	25600	3.9	39.0	-	44.0	-	40	-	45	-	-	-	-	-
	9	30700	3.9	45.0	-	52.0	-	45	-	60	-	-	-	-	-
	12.5	42700	3.9	42.0	19.0	48.0	22.0	45	20	50	25	61	70	70	70
	15	51200	3.9	27.0	45.0	31.0	52.0	30	50	35	60	72	80	83	90
	20	68300	3.9	45.0	50.0	52.0	57.0	45	50	60	60	95	100	109	110
HMG60F1M	0	0	3.9	-	-	-	-	15	-	15	-	-	-	-	-
	5	17100	3.9	27.0	-	31.0	-	30	-	35	-	-	-	-	-
	7.5	25600	3.9	39.0	-	44.0	-	40	-	45	-	-	-	-	-
	9	30700	3.9	45.0	-	52.0	-	45	-	60	-	-	-	-	-
	12.5	42700	3.9	42.0	19.0	48.0	22.0	45	20	50	25	61	70	70	70
	15	51200	3.9	27.0	45.0	31.0	52.0	30	50	35	60	72	80	83	90
	20	68300	3.9	45.0	50.0	52.0	57.0	45	50	60	60	95	100	109	110

- 1 For 208 volt use .751 correction factor for kW and Btuh
- 2 12.5kW, 15 and 20kW (2 stage models) require 2 supply circuits

ELECTRIC HEAT KITS

DESCRIPTION	WHERE USED	KIT NUMBER
ECB25-2.5-P 2.5 kW Electric Heater with Terminal Block	HMG 24, 30, 36, 42	12R08
ECB25-5-P 5 kW Electric Heater with Terminal Block	HMG 24, 30, 36, 42, 48, 60	12R45
ECB25-5CB-P 5 kW Electric Heater with Circuit Breaker	HMG 24, 30, 36, 42, 48, 60	12R60
ECB25-7-P 7.5 kW Electric Heater with Terminal Block	HMG 24, 30, 36, 42, 48, 60	12S08
ECB25-7CB-P 7.5 kW Electric Heater with Circuit Breaker	HMG 24, 30, 36, 42, 48, 60	12R61
ECB25-10-P Electric Heater/9 kW	HMG 24, 30, 36, 42, 48, 60	12S59
ECB25-10CB-P Electric Heater/9 kW w/breaker	HMG 24, 30, 36, 42, 48, 60	12S60
ECB25-12.5CB-P 12.5 kW Electric Heater with Circuit Breaker	HMG 30, 36, 42, 48, 60	12S77
ECB25-15CB-P Electric Heater/15 kW	HMG 30, 36, 42, 48, 60	12S87
ECB25-20CB-P Electric Heater/20 kW	HMG 48, 60	12S88

DIMENSIONS (IN.)



ACCESSORIES

DESCRIPTION	WHERE USED	KIT NUMBER
Counterflow Kit	24, 30	96W38
	36	97W95
	42, 48, 60	97W96
Single Point Power Kit	ALL HMG**F	21H39

Dimension	024		030		036		042		048-060	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
A	40-1/2	1029	43	1092	52-1/2	1334	48	1219	52-1/2	1334
B	18-1/2	470	18-1/2	470	21-7/8	556	21-7/8	556	21-7/8	556
C	22	559	22	559	22	559	26-1/4	667	26-1/4	667
D	16-1/2	419	16-1/2	419	19-7/8	505	19-7/8	505	19-7/8	505
E	14-1/2	368	14-1/2	368	14-1/2	368	18-3/4	476	18-3/4	476
F	8	203	8	203	8	203	9-1/4	235	9-1/4	235
G	5-5/8	143	5-5/8	143	5-5/8	143	4-1/2	114	4-1/2	114
H	16-1/4	413	16-1/4	413	19-5/8	498	19-5/8	498	19-5/8	498
J	20-3/8	518	20-3/8	518	20-3/8	518	24-5/8	625	24-5/8	625

Due to ongoing product improvements, specifications and dimensions are subject to change and correction without notice or incurring obligations. Determining the application and suitability for use of any product is the responsibility of the installer. Additionally, the installer is responsible for verifying dimensional data on the actual product prior to beginning any installation preparations.

Third party incentive and rebate programs have precise requirements as to product performance and certification. All products meet applicable regulations in effect on date of manufacture; however, certifications are not necessarily granted for the life of a product. Therefore, it is the responsibility of the applicant to determine whether a specific model qualifies for these incentive/rebate programs.