

# HEAT CONTROLLER

## HMG AIR HANDLER WITH OPTIONAL ELECTRIC HEAT

### Matched to HCl Condensers & Heat Pumps

Rated at 13 SEER when properly matched to HCl HVAC split systems

### Multi-Position Design

Can be installed in upflow, downflow, horizontal or vertical position (downflow adapter needed)

### Drain Pan

Durable plastic drain pan is corrosion-proof

### Micro-Channel A-Coil

Units are A/C ready, coil uses all-aluminum micro-channel technology for corrosion resistance

### Multi-Speed

Delivers application flexibility

### Advanced Circuit Board

Incorporates blower time delay relay, low voltage terminal strip, and heat strip sequencing

### Control Board

Controls the sequencing of heat stages with sequence timing that can be selected in the field

### Quiet Operation

1" blower compartment insulation with R-4.2 factor reduces blower motor sound and prevents cabinet sweating under difficult applications

### Installation/Maintenance Convenience

Components can be easily accessed; built-in filter rack and plug-in wiring connections save installation and service time; breaker is accessible from the front when heat is applied

### Durable Cabinet

Heavy duty galvanized steel cabinet has polyester urethane finish for maximum corrosion protection

### Electric Heat

Plug-in heater kits are available in 5 kW to 30 kW

Meets 610.2A.2 Florida Building Code requirements for air leakage



## HMG AIR HANDLER 208/240V For R-410A 1½ to 5 Tons



### Outstanding Warranty Coverage—up to 12 years when part of an AHRI-matched system

With registration within 90 days of purchase, other limitations apply, see printed warranty for details.

Exact coverage depends on warranty for matched condenser/heat pump.

# HMG MATCHES & PERFORMANCE DATA

208/240V-1-60

CONDENSING UNITS	AIR HANDLER	NOMINAL TONS	SEER	EER	COOLING CAPACITY (BTUH)	REQUIRED CFM
RSG1318S1E	HMG24F1E	1.5	13.0	11.00	17,400	555
RSG1324S1E	HMG24F1E	2.0	13.0	11.00	23,000	700
RSG1330S1E	HMG30F1E	2.5	13.0	11.00	28,400	920
RSG1336S1E	HMG36F1E	3.0	13.0	10.90	35,000	1160
RSG1342S1E	HMG42F1E	3.5	13.0	11.00	40,000	1370
RSG1348S1E	HMG48F1E	4.0	13.0	11.00	47,500	1630
RSG1360S1E	HMG60F1E	5.0	13.0	11.00	57,500	1950
RSG1418S1E	HMG24V1E*	1.5	15.0	12.5	18,000	600
RSG1424S1E	HMG24V1E*	2.0	15.0	12.5	24,000	800
RSG1430S1E	HMG30V1E*	2.5	15.0	12.5	30,000	1000
RSG1436S1E	HMG36V1E*	3.0	15.0	12.5	35,000	1200
RSG1442S1E	HMG42V1E*	3.5	15.0	12.5	41,000	1400
RSG1448S1E	HMG48V1E*	4.0	15.0	12.0	46,000	1600
RSG1460S1E	HMG60V1E	5.0	15.0	12.5	57,500	2000

## CONDENSING UNITS—BUILDERS SERIES

RSG1318R1E	HNG23F1E	1.5	13.0	11.0	18,000	605
RSG1324R1E	HMG24F1E	2.0	13.0	11.00	22,800	700
RSG1330R1E	HMG30F1E	2.5	13.0	11.00	28,800	915
RSG1336R1E	HMG42F1E	3.0	13.0	10.70	35,400	1225

HEAT PUMPS	AIR HANDLER	NOMINAL TONS	SEER	EER	COOLING CAP. (BTUH)	HEATING CAP. (BTUH)	HSPF	REQUIRED CFM
HRG1318S1E	HMG24F1E	1.5	13.0	11.00	18,000	19,000	8.00	650
HRG1324S1E	HMG24F1E	2.0	13.0	11.00	23,000	24,800	8.00	850
HRG1330S1E	HMG30F1E	2.5	13.0	11.00	28,800	30,800	8.00	900
HRG1336S1E	HMG36F1E	3.0	13.0	11.00	34,800	36,800	8.00	1170
HRG1342S1E	HMG42F1E	3.5	13.0	11.00	40,000	42,000	7.80	1495
HRG1348S1E	HMG48F1E	4.0	13.0	11.00	47,500	47,500	8.00	1620
HRG1360S1E	HMG60F1E	5.0	13.0	11.00	57,500	60,500	8.00	1660

**NOTE:** These combinations of indoor and outdoor units are certified by AHRI; see the current AHRI Directory for all certified combinations and ratings: [www.ahridirectory.com](http://www.ahridirectory.com)

## MODEL NOMENCLATURE

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

# SPECIFICATIONS

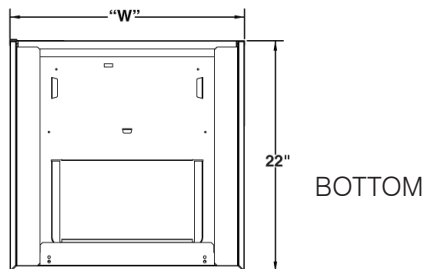
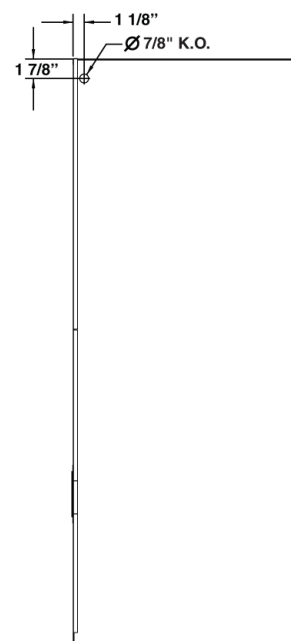
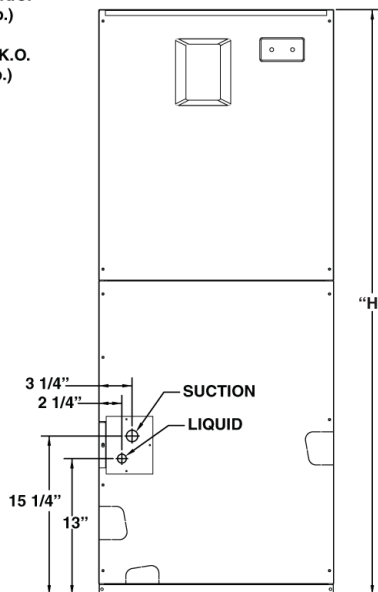
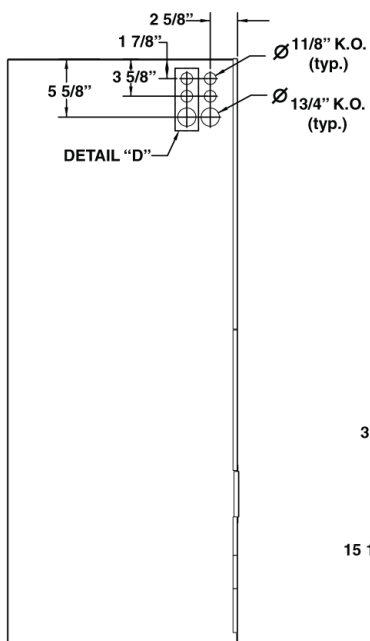
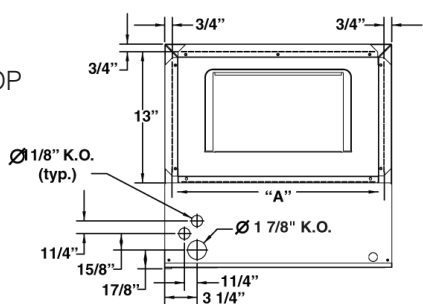
MODEL	NOM. COOLING CAPACITY BTUH	MAXIMUM AVAILABLE AUX. HEAT (kW)	NOM. BLOWER SIZE DIA x W (in.)	MOTOR HP-SPEEDS-TYPE	FILTER SIZE (inches)*	REFRIGERANT CONNECTIONS (in.)	
						SUCTION	LIQUID
HMG24F1E	24,000	10	10 x 6	1/5-3-PSC	12 x 20 x 1	3/4	3/8
HMG30F1E	30,000	15	10 x 6	1/3-3-PSC	12 x 20 x 1	3/4	3/8
HMG36F1E	36,000	20	10 x 8	1/3-3-PSC	18 x 20 x 1	3/4	3/8
HMG42F1E	42,000	20	10 x 8	1/3-3-PSC	18 x 20 x 1	7/8	3/8
HMG48F1E	48,000	30	10 x 10	1/2-3-PSC	20 x 20 x 1	7/8	3/8
HMG60F1E	60,000	30	11 x 10	3/4-5-BDC	20 x 20 x 1	7/8	3/8

# DIMENSIONS (inches)

\*Unit comes with internal filter rack; filter not supplied with unit.

MODEL	HEIGHT	WIDTH	SUPPLY AIR DUCT DIM. (in.)	SHIPPING WT. (lbs)
HMG24F1E	43 <sup>5</sup> / <sub>16</sub>	14 <sup>3</sup> / <sub>16</sub>	12 <sup>7</sup> / <sub>8</sub> x 12 <sup>3</sup> / <sub>4</sub>	80
HMG30F1E	43 <sup>5</sup> / <sub>16</sub>	14 <sup>3</sup> / <sub>16</sub>	12 <sup>7</sup> / <sub>8</sub> x 12 <sup>3</sup> / <sub>4</sub>	82
HMG36F1E	43 <sup>5</sup> / <sub>16</sub>	19 <sup>11</sup> / <sub>16</sub>	12 <sup>7</sup> / <sub>8</sub> x 18 <sup>1</sup> / <sub>4</sub>	101
HMG42F1E	49 <sup>5</sup> / <sub>16</sub>	19 <sup>11</sup> / <sub>16</sub>	12 <sup>7</sup> / <sub>8</sub> x 18 <sup>1</sup> / <sub>4</sub>	119
HMG48F1E	55 <sup>15</sup> / <sub>16</sub>	22 <sup>7</sup> / <sub>16</sub>	12 <sup>7</sup> / <sub>8</sub> x 21	137
HMG60F1E	55 <sup>15</sup> / <sub>16</sub>	22 <sup>7</sup> / <sub>16</sub>	12 <sup>7</sup> / <sub>8</sub> x 21	142

TOP



# BLOWER PERFORMANCE

DRY COIL ESP*	COOLING OR HEATING AIRFLOW CFM: LOW-MEDIUM-HIGH					
	HMG24F1E	HMG30F1E	HMG36F1E	HMG42F1E	HMG48F1E	HMG60F1E
0.10	683-861-1072	849-1118-1277	953-1265-1427	1324-1485-1637	1605-1977-2264	Dependent on switch settings, see Technical Specifications for complete listing
0.20	647-823-1026	825-1087-1233	915-1232-1385	1302-1455-1601	1606-1939-2182	
0.30	607-781-975	793-1046-1184	871-1188-1333	1271-1418-1558	1592-1890-2095	
0.40	563-734-920	753-997-1130	821-1133-1270	1233-1373-1506	1565-1830-2003	
0.50	515-682-860	704-940-1070	764-1067-1196	1187-1320-1447	1524-1758-1906	
0.60	463-625-797	647-874-1005	701-991-1113	1134-1260-1380	1468-1675-1805	
0.70	406-564-730	581-799-935	631-903-1018	1072-1193-1305	1399-1580-1698	
0.80	345-498-659	508-717-860	555-805-913	1003-1118-1223	1316-1474-1586	

Airflow is shown in CFM =/- 5%.

External Static Pressure (ESP) is shown in inches W.C.

See unit installation instructions for maximum recommended external static pressure.

# ELECTRIC HEATER KIT SPECIFICATIONS

## 240V SINGLE PHASE ELECTRIC HEATER KITS

PART NUMBER	NOM. kW	MATCHED UNITS					
		HMG -24F1E	HMG -30F1E	HMG -36F1E	HMG -42F1E	HMG -48F1E	HMG -60F1E
H6HK005H-11	5	●	●	●	●	●	●
H6HK008H-11	8	●	●	●	●	●	●
H6HK010H-11	10	●	●	●	●	●	●
H6HK015H-21	15	N/A	●	●	●	●	●
H6HK020H-21	20	N/A	N/A	●	●	●	●
H6HK024H-31	25	N/A	N/A	N/A	N/A	●	●
H6HK029H-31	30	N/A	N/A	N/A	N/A	●	●

PART NO.	ACCESSORIES
913874	Single Circuit Adapter for 2 Circuit Breakers
913556	Single Circuit Breaker Adapter for 3 Circuit Breakers, for HMG48 and HMG60
DOWNFLOW ADAPTER KITS	
917342	Fits HMG24 and HMG30 Air Handlers
919321	Fits HMG36 and HMG42 Air Handlers
919322	Fits HMG48 and HMG60 Air Handlers

**Design, specifications, performance data and materials subject to change without notice.**

# HEAT CONTROLLER

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