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UNCG/UNHG

R-410A High-Efficiency Ductless Split System
Universal Air Handlers

Straight cool / Heat pump nominal capacities			
UNHG09	UNHG12	UNHG24	Units
9,000	12,000	18,000 - 23,800	Btuh
2.6	3.5	5.3 - 7.0	kW
Straight cooling only — nominal capacity			
UNCG30			Units
	28,200		Btuh
		8.3	kW

Specifications and Performance

(with EMI AmericaSeries condensers)



NOTICE

EMI AmericaSeries air handlers and condensers are backed by EMI and ECR International and are tested, rated and certified in accordance with ARI Standard 210/240 and UL-1995. Due to ongoing product development, product designs and specifications may change without notice. Please contact the factory for more information.

UNCG/UNHG Air Handlers — Product Description

Product description

- The AmericaSeries UNCG/UNHG is available as a (DX) direct expansion straight cool and heat pump.
- It offers a contemporary design in a ductless type air handlers and combines attractive appearance with high efficiency conditioning for small to medium size commercial or residential spaces.
- The UNCG/UNHG is equipped with unit mounted infrared compatible controls which also supports 24V remote wall thermostat operation. Optional handheld remote is available.
- Heat pump models provide up to 23,800 Btuh of cooling and 20,600 Btuh of heating. Electric heat options are available for up to 5 kW of supplemental heat.
- This American-made air handlers offers ease of installation, operation, and service.
- It can be matched with EMI's:
 - Single-zone condensing units — S1CG/S1HG 9,000-24,000 Btuh and S1CG 30,000 Btuh.
- All EMI air handlers are backed by Enviromaster International LLC and are tested, rated and certified in accordance with ARI standards 210/240 and UL 1995.



Controls and components (Factory-installed or supplied)

- Large LCD Backlit Display
- Single unit-mounted control package, configurable to either unit mount or remote wall thermostat operation, increasing installation flexibility.
- Unit control can be used in cooling only, cooling with electric heat, heat pump, or heat pump with second stage electric heat applications.
- Operational range set point temperature adjustable between 55°F and 90°F (13 to 32°C) in one-degree increments.
- Infrared-compatible controller allows use of optional IR hand held controller.
- Operation modes include Heat, Cool, Dry, Fan and Auto Change-over.
- Fan Operation – Auto/On, High or Low speed fan
- Fan Purge – Fan remains on for 60 seconds after Heat/Cool call is dropped for improved efficiency (Auto mode only)
- Room air sampling — Selectable time intervals ensure the fan will cycle on periodically, in Auto Fan Mode to help eliminate room temperature stratification.
- Selectable Fahrenheit (°F) or Celsius (°C) temperature scale.
- Dry mode – Operates cooling and electric heat simultaneously to remove humidity. Optional electric heat must be selected.
- Anti-Short Cycle Compressor Protection.
- Minimum on time for heating and cooling Helps eliminate room temperature drop and system short cycling.
- Freeze Protection – Prevents air handlers freeze up.
- Test operation – Allows ease of testing after installation (all timers are reduced).
- Non-volatile back-up memory will maintain control settings for an indefinite period during a power outage. When power is restored the equipment

will resume operation after a three-minute compressor time delay.

- 7-day, 4 event programmable with copy feature.
- Filter change indicator: A timer feature indicates when the filter should be cleaned according to the selected time.
- Modular design – reduces parts required for control package. Deco panel, relay board, ribbon cables and microprocessor are combined into one package.
- Integral condensate pump safety-switch connection where-by the microprocessor monitors the condensate pump safety switch and displays an error code when a fault occurs. (Applies only with optional condensate pump).
- CEC (California Energy Commission) compliant.
- Condensate drain pan over flow protection.

Cabinet features:

- Easily accessible, washable, reusable, nylon mesh filter.
- Easy access to piping connections and condensate pump allows installation with the unit mounted in place.
- Condensate drain pan constructed of galvannealed steel (G60U), with anti-corrosion coating.

Optional equipment

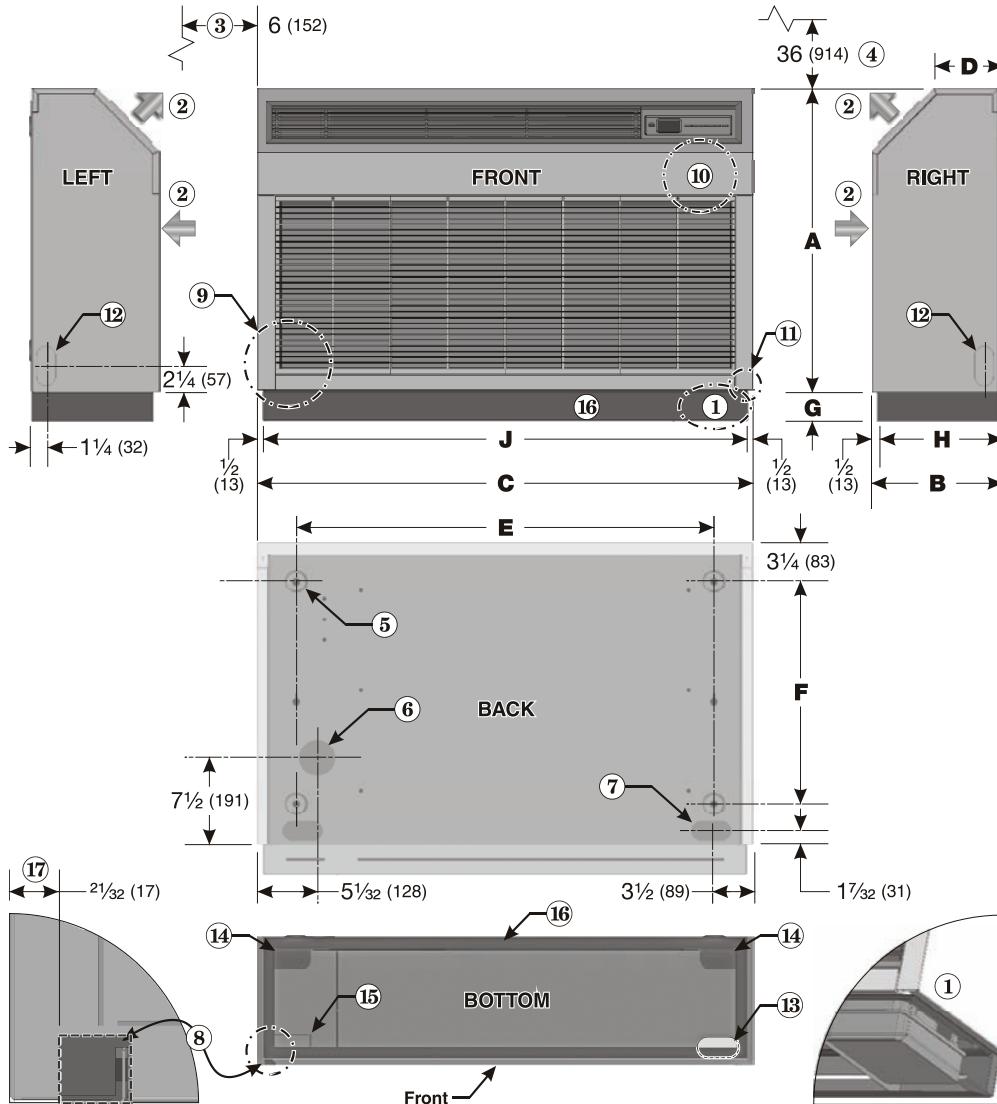
- Floor mount trim kit.
- Condensate pump (field installed only).
- 24V remote wall thermostat.
- Electric heat with automatic reset high temperature cutout and redundant high temperature fuse link (when heat option is selected). 208/230V only.
- Hand-held infrared controller.
- Metal return air grille.

Installer-supplied Items

- Low voltage wiring (18 AWG required).
- High voltage power supply wiring.
- Mounting screws and fasteners.
- Condensate piping.
- Refrigerant piping (if not supplied).
- Refrigerant (for interconnect charge).
- High voltage electrical disconnect.

Table 1 Discharge air speed and flow @ 230 VAC / Sound values

Model	High speed CFM (l/s)	Low speed CFM (l/s)	Coil	FPM (m/s)	Throw feet (m)	Observed sound values (dBA)
09-12	425 (200)	375 (175)	Dry	900 (4.6)	15 (4.6)	51
18-24	700 (350)	550 (250)	Dry	1,225 (6.2)	24 (7.3)	56
30	1,000 (470)	825 (400)	Dry	1,250 (6.4)	27 (8.2)	50

UNCG/UNHG Air Handlers — Product Description (continued)
Figure 1 UNCG/UNHG ductless air handlers — dimensions, openings and knockouts


DIMENSIONS inches (mm)			
Model	A	B	C
UNHG09 UNHG12	26" (660)	11" (279)	41 1/2" (1054)
UNHG24	26" (660)	11" (279)	51 1/2" (1308)
UNCG30	27 1/2" (699)	12 3/8" (314)	62" (1575)
Model	D	E	F
UNHG09 UNHG12	5 1/2" (140)	35" (887)	19 3/16" (487)
UNHG24	5 1/2" (140)	45" (1141)	19 3/16" (487)
UNCG30	5 1/16" (141)	55 7/16" (1408)	20 23/32" (526)
Model	G	H	J
UNHG09 UNHG12	2 1/2" (64)	10 7/16" (265)	40 1/2" (1029)
UNHG24	2 1/2" (64)	10 7/16" (265)	50 1/2" (1283)
UNCG30	2 1/2" (64)	11 13/16" (300)	61" (1549)

- 1 Optional condensate pump floor-mount location (requires floor mount trim kit)
- 2 Supply and return air flow directions
- 3 Minimum clearance for air flow and access — BOTH sides of cabinet
- 4 Minimum clearance — ensure minimum clearance of 36 inches (914 mm) above supply air outlet and in front of return air inlet for air flow and access
- 5 Clearance holes (4) for securing unit to wall or ceiling, using appropriate hardware — 11/16 inch diameter
- 6 Knockout, 3-inch (76 mm), for optional customer-supplied/installed fresh air intake device
- 7 15/8 x 3 3/8 inches knockout each side of rear panel for refrigeration tubing, condensate drainage and/or power
- 8 Opening, 7/8x7/8 inch, on bottom right front corner of cabinet — for condensate drain tube routing when unit is ceiling mounted
- 9 Refrigeration and condensate draining connections are located in this area
- 10 Electrical connections are located in this area
- 11 Location of item 7, above
- 12 15/8 x 3 3/8 inches knockout each side panel for refrigeration tubing, condensate drainage and/or power
- 13 15/8 x 3 3/8 inches knockout at bottom left front for refrigeration tubing, condensate drainage and/or power, most often used when unit is ceiling mounted; pump kit riser flanges do not interfere with knockouts
- 14 15/8 x 3 3/8 inches knockouts at bottom left rear each side for refrigeration tubing, condensate drainage and/or power; pump kit riser flanges do not interfere with knockouts
- 15 15/8 x 3 3/8 inches knockout at bottom right front for refrigeration tubing, condensate drainage and/or power, most often used when unit is ceiling mounted; pump kit riser flanges do not interfere with knockouts
- 16 Optional floor mount trim kit — with 1-inch bottom flange; recessed 1/2 inch on front and sides, flush at rear
- 17 Distance from side of cabinet to 7/8 x 7/8 inch opening

UNCG/UNHG Air Handlers with S1CG/S1HG/S2CG/S2HG Condensers

S1CG/S1HG/S2CG/S2HG — description

The AmericaSeries S1CG/S1HG and S2CG/S2HG condensing units are air-cooled, vertically-arranged side-discharge, high-efficiency units designed specifically to meet or exceed a 13 SEER rating.

- The S1CG Models 9,000-36,000 Btuh and S1HG Models 9,000-24,000 Btuh condensing units will provide cooling and heating for a single evaporator.
- The S2CG/S2HG 18,000 (99), 21,000 (92) and 24,000 (22) Btuh capacity condensing units will provide cooling and heating for two evaporators.
- The S1CG/S1HG, S2CG/S2HG are quiet units that can be recommended for both commercial and residential applications.

NOTICE

When specifying heat pump(s), it is recommended that the matching indoor unit(s) be equipped with electric heat.

Features

- Installation of the S1CG/S1HG and S2CG/S2HG condensing units is simplified by a 24v control interconnection from the evaporator.
- Multiple units can be lined up in close proximity to an exterior wall.
- Service valves are recessed to reduce tampering.
- All 9,000–12,000 Btuh units are equipped with a an oversized suction accumulator with surge baffles and enhanced oil management and a factory-installed solid core filter drier.
- A factory-installed crankcase heater is standard on S1HG 9,000-12,000 Btuh (thermostatically-controlled) and S2HG models, and is available as optional equipment on other models.

Controls and components (Factory-installed or supplied)

- Compressor and fan motor contactor
- Run capacitor
- Low voltage terminal connections
- High pressure switch with manual external reset
- Heat pump hard start
- Cooling operation down to 60° F (15.6° C) standard on all units
- Models 9,000-12,000 Btuh only:
 - Large capacity suction accumulator
 - Solid-core filter drier

Thermostatically-controlled crankcase heater

- This feature energizes the crankcase heater only when needed, saving unnecessary power usage and increasing overall system efficiency.

System options

- Corrosion-resistant coil options (sea coast and harsh environment usage):
 - Copper fin/copper tube condenser coil
 - Coated aluminum fin/copper tube condenser coil
- Low Ambient controls for cooling operation down to 0° F (-18° C)
 - Optional field-installed kits, when specified, for cooling operation down to 0°F — kits include louvers/wind baffle, crankcase heater, and/or fan cycle switch, and installation instructions
- Models S1CG 9,000-12,000 Btuh only:
 - 115v (single-zone only — S1CG or S1HG)
 - Field-installed thermostatically-controlled crankcase heater for heat pump units (S1HG or S2CG)

Installer-supplied items

- Power wiring.
- Low-voltage wiring (18 AWG minimum).
- Secure mounting pad or foundation.
- Refrigerant piping (if not purchased from EMI).
- High-voltage disconnect.
- Refrigerant for charging interconnect piping.

Table 2 Dimensional data, sound data and shipping weights

Model	Size Btu	Unit dimensions Inches (mm)			Sound level dBA	Shipping weight Lbs (kg)
		A	B	C		
S1CG/S1HG9	9,000	24 (610)	15 (381)	36 (914)	59	98 (44.5)
S1CG/S1HG2	12,000	24 (610)	15 (381)	36 (914)	59	98 (44.5)
S1CG/S1HG8	18,000	32 (813)	15 (381)	36 (914)	62	156 (70.9)
S1CG/S1HG4	24,000	32 (813)	15 (381)	40 (1016)	63	156 (70.9)
S1CG3	30,000	38 (965)	15 (381)	44 (1118)	68	210 (95.5)
S2CG	18,000/21,000/ 24,000	38 (965)	15 (381)	44 (1118)	68	197 (89.6)
S2HG	18,000/21,000/ 24,000	38 (965)	15 (381)	44 (1118)	68	197 (89.6)
S1CG6	36,000	38 (965)	15 (381)	48 (1219)	68	210 (95.5)

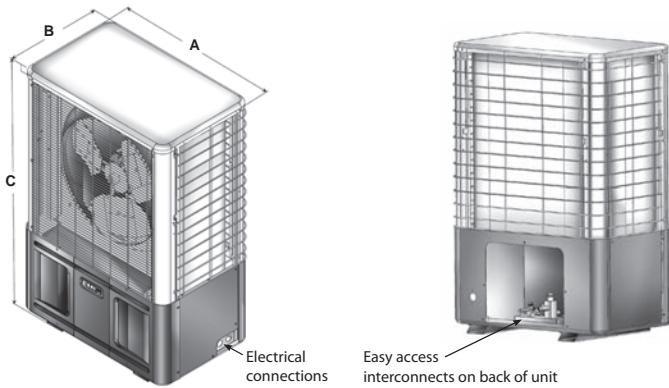


Table 3 Operational Ranges

Unit	Voltage	Accessories Part Numbers (Quantity) Required *** Order ALL Kits Listed Under the Operational Range ***			
		Operational Range		Architectural Louver/Hail Guard/Wind Baffle Kit	
32° to 115° F (0 to 46° C)		Crankcase Heater Kit	Fan Cycle Switch Kit		
S1CG9000	115	550002072 (1)	550002072 (1)	550002074 (1)	550001577 (1)
S1CG2000	208/230	550002073 (1)	550002073 (1)	550002074 (1)	
S1CG8000	208/230	N/R	N/R	550002074 (1)	550001578 (1)
S1CG4000	208/230	N/R	N/R	550002074 (1)	550001602 (1)
S1CG3000	208/230	N/R	N/R	550002074 (1)	550001580 (1)
S2CG	208/230	550002073 (2)	550002073 (2)	550002074 (2)	550001580 (1)
S2HG	208/230	N/R	N/R	550002074 (2)	550001580 (1)
S1CG6000	208/230	N/R	N/R	550002074 (1)	550001581 (1)
S1HG9000	115	N/R	N/R	550002074 (1)	550001577 (1)
S1HG2000	208/230	N/R	N/R	550002074 (1)	550001577 (1)
S1HG8000	208/230	N/R	N/R	550002074 (1)	550001578 (1)
S1HG4000	208/230	N/R	N/R	550002074 (1)	550001602 (1)

Note: N/R - Not Required



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UNCG/UNHG

High Efficiency Ductless Split System Universal Air Handler
with EMI AmericaSeries condensers

Straight cool / Heat pump nominal capacities			
UNHG09	UNHG12	UNHG24	Units
9,000	12,000	18,000-23,800	Btuh
2.6	3.5	5.3-7.0	kW
Straight cooling only — nominal capacity			
UNCG30			Units
28,200			Btuh
8.3			kW

Engineering Submittal

Job Name:

Location:

Customer:

Project Engineer:

Project Architect:

General Contractor:

Submitted by:

For: Reference [] Approval []

Date:

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Please fill in the boxes below to specify the air handler units' codings

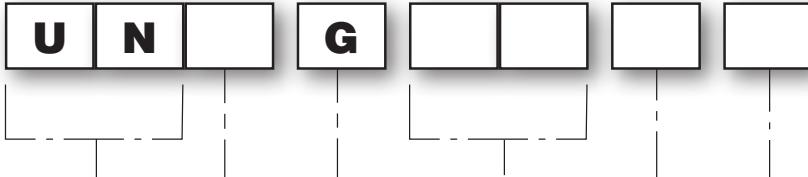
Selection 1

Quantity required:



Selection 2

Quantity required:



Type [**UN** = universal air handler]

Operation [**C** = cooling—DX (UNCG 30 only)] — .
[**H** = heat pump (UNHG 09–24 only)]

Revision [**G** = R-410A refrigerant] — - — - — -

Capacity [**09** = 9,000 Btuh] — - — - — -
[**12** = 12,000 Btuh]
[**24** = 18 / 24,000 Btuh]
[**30** = 30 / 30,000 Btuh (cooling only)]

Auxiliary heat:

[**0** = no auxiliary heat]
[**3** = 3 kw @ 208/230 VAC, (UNHG 09, 12, 24 only)]
[**5** = 5 kw @ 208/230 VAC, (UNHG 24, UNCG 30 only)]

Voltage [**A** = 115 VAC (UNHG 09–12 only)]
[**D** = 208/230 VAC]

EXAMPLES

U N C G 3 0 D 5

Cooling application | 30 / 36,000 Btuh capacity
| 208/230 VAC | 5 kw auxiliary heat

U N H G 2 4 D 5

Heat pump application | 18 / 24,000 Btuh capacity
| 208/230 VAC | 5 kw auxiliary heat

Please check the boxes below to specify optional field-installed accessories

<input type="checkbox"/>	Condensate Pump	<input type="checkbox"/>	Metal return air grille
<input type="checkbox"/>	Remote thermostat for air handler	<input type="checkbox"/>	Floor mount trim kit
<input type="checkbox"/>	Wind baffle / hail guard, architectural louver kit (required for cooling operation to 0°F (-18°C))	<input type="checkbox"/>	Refrigerant line set, 10-feet
<input type="checkbox"/>	Crankcase Heater (S1CG 9,000 - 12,000 Btuh only) required for cooling operating below 60°F (15°C)	<input type="checkbox"/>	Refrigerant line set, 25-feet
<input type="checkbox"/>	Hard Start Kit	<input type="checkbox"/>	Refrigerant line set, 50-feet
<input type="checkbox"/>	Fan Cycle Switch (required for cooling operation below 32°F (0°C))		

Please fill in the boxes below to specify the condenser unit coding

<p>Type [S = side discharge]</p> <p><input type="checkbox"/> Number of zones [1]</p> <p><input type="checkbox"/> Cooling [C (9,000-30,00 Btuh)] or heat pump [H (9,000-24,00 Btuh)]</p> <p><input type="checkbox"/> Revision (Revision G is R-410A)</p> <p><input type="checkbox"/> Capacity</p> <p><input type="checkbox"/> Zone 1</p> <p><input type="checkbox"/> Zone 2</p> <p><input type="checkbox"/> Zone 3</p> <p><input type="checkbox"/> Zone 4</p> <p><input type="checkbox"/> Control</p> <p><input type="checkbox"/> Voltage [A = 115 VAC (S1C/H 9,000-12,000 Btuh only)] [D = 208/230 VAC]</p> <p><input type="checkbox"/> Coil [0 = Aluminum/copper, std] [1 = Copper/copper] [2 = Coated]</p>	<p><input type="checkbox"/> Quantity required: <input type="text"/></p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="background-color: #cccccc;">Capacity code</th> <th colspan="2" style="background-color: #cccccc;">Available Units</th> </tr> <tr> <th colspan="2">Individual zone capacity</th> <th colspan="2"></th> </tr> <tr> <th>Code</th> <th>Capacity Btuh</th> <th>(S)</th> <th>Description</th> </tr> <tr> <td>0</td> <td>Empty zone</td> <td>9000</td> <td>One zone 9,000 Btuh</td> </tr> <tr> <td>9</td> <td>9,000</td> <td>2000</td> <td>One zone 12,000 Btuh</td> </tr> <tr> <td>2</td> <td>12,000</td> <td>8000</td> <td>One zone 18,000 Btuh</td> </tr> <tr> <td>8</td> <td>18,000</td> <td>4000</td> <td>One zone 24,000 Btuh</td> </tr> <tr> <td>4</td> <td>24,000</td> <td>3000 *</td> <td>One zone 30,000 Btuh</td> </tr> <tr> <td>3</td> <td>30,000 *</td> <td>6000 *</td> <td>One zone 36,000 Btuh</td> </tr> <tr> <td>6</td> <td>36,000 *</td> <td>9900</td> <td>Two zones 9,000 / 9,000 Btuh</td> </tr> <tr> <td colspan="2" style="text-align: center;"><i>* Straight cooling units ONLY</i></td> <td>9200</td> <td>Two zones 9,000 / 12,000 Btuh</td> </tr> <tr> <td colspan="2" style="text-align: center;">Max total capacity</td> <td>2200</td> <td>Two zones 12,000 / 12,000 Btuh</td> </tr> <tr> <td colspan="2" style="text-align: center;">(S) 2 zones</td> <td colspan="2" style="text-align: center;"><i>* Available in straight cooling units ONLY</i></td> </tr> <tr> <td colspan="2" style="text-align: center;">24,000 Btuh max total</td> <td colspan="2"></td> </tr> </table>	Capacity code		Available Units		Individual zone capacity				Code	Capacity Btuh	(S)	Description	0	Empty zone	9000	One zone 9,000 Btuh	9	9,000	2000	One zone 12,000 Btuh	2	12,000	8000	One zone 18,000 Btuh	8	18,000	4000	One zone 24,000 Btuh	4	24,000	3000 *	One zone 30,000 Btuh	3	30,000 *	6000 *	One zone 36,000 Btuh	6	36,000 *	9900	Two zones 9,000 / 9,000 Btuh	<i>* Straight cooling units ONLY</i>		9200	Two zones 9,000 / 12,000 Btuh	Max total capacity		2200	Two zones 12,000 / 12,000 Btuh	(S) 2 zones		<i>* Available in straight cooling units ONLY</i>		24,000 Btuh max total			
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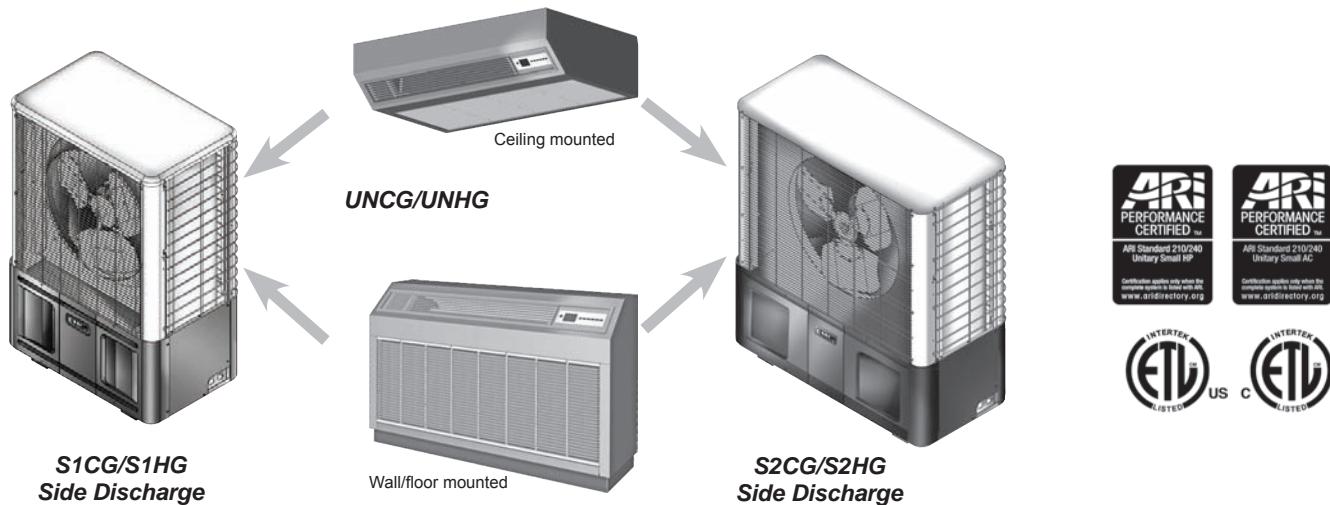
EXAMPLES

<p>S 1 C G 8 0 0 0 D 0 1</p> <p>Side discharge one zone cooling only rev. G 18,000 Btuh 208/230 V 32°F Low ambient control copper fin, copper coil</p>	<p>T 2 H G 9 8 0 0 D 1 2</p> <p>Top discharge two zones heat pump rev. G 9,000 / 18,000 Btuh 208/230 V 32°F Low ambient control coated exchanger</p>
<p>S 2 H G 9 2 0 0 D 1 0</p> <p>Side discharge two zones heat pump rev. G 9,000 / 12,000 Btuh 208/230 V standard low volt control aluminum fin, copper coil</p>	<p>T 4 C G 9 9 2 2 D 0 0</p> <p>Top discharge four zones cooling only rev. G 9,000 / 9,000 / 12,000 / 12,000 Btuh 208/230 V standard low volt control aluminum fin, copper coil</p>

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UNCG/UNHG Air Handlers with S1CG/S1HG/S2CG/S2HG Condensers (continued)

Table 4 Performance — cooling system with universal units

Condenser	Universal Units	Btuh (Kw)	SEER	SHR	EER	Ref.
S1CG9000	UNHG09	9,000 (2.6)	13.0	0.74	12.2	R-410A
S1CG2000	UNHG12	12,000 (3.5)	13.0	0.68	11.9	R-410A
S1CG8000	UNHG24	18,000 (5.3)	13.0	0.77	12.0	R-410A
S1CG4000	UNHG4	23,800 (7.0)	13.0	0.67	11.4	R-410A
S1CG3000	UNCG30	28,200 (8.1)	13.0	0.79	11.7	R-410A
S2CG2200	UNHG12 + UNHG12	18,000 (5.3)	13.0	0.73	12.1	R-410A
S2CG9200	UNHG09 + UNHG12	21,000 (6.2)	13.0	0.70	12.0	R-410A
S2CG9900	UNHG09 + UNHG09	24,000 (7.0)	13.0	0.68	12.0	R-410A

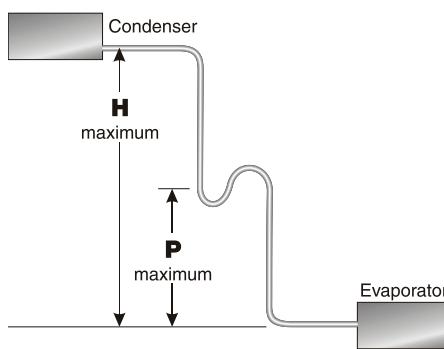
Table 5 Performance — heat pump system with universal units

Condenser	Universal Units	Cooling Btuh (Kw)	Heating Btuh (Kw)	SEER	HSPF	SHR	EER	COP	Ref.
S1HG9000	UNHG09	9,000 (2.6)	8,800 (2.6)	13.0	7.7	0.72	12.2	3.3	R-410A
S1HG2000	UNHG12	12,000 (3.5)	10,600 (3.1)	13.0	7.7	0.67	11.7	3.3	R-410A
S1HG8000	UNHG24	18,000 (5.3)	17,600 (5.2)	13.0	7.7	0.77	12.1	3.5	R-410A
S1HG4000	UNHG4	23,800 (7.0)	20,600 (6.0)	13.0	7.7	0.67	11.7	3.4	R-410A
S2HG2200	UNHG12 + UNHG12	18,000 (5.3)	17,400 (5.1)	13.0	7.7	0.73	12.1	3.2	R-410A
S2HG9200	UNHG09 + UNHG12	21,000 (6.2)	19,200 (5.6)	13.0	7.7	0.70	12.0	3.2	R-410A
S2HG9900	UNHG09 + UNHG09	24,000 (7.0)	21,000 (6.2)	13.0	7.7	0.68	12.0	3.2	R-410A

Table 6 UNCG/UNHG interconnecting line sizes

Capacity	Max. Equivalent Length	Max. Lift	Max. Trap Height	Liquid Line	Suction Line	Condensate Line		
				"H"	"P"	O.D.	O.D.	I.D.
9,000	50' (15 m)	20'	15'	1/4"	1/2"	1/2"		
12,000		(6 m)	(5 m)	1/4"	1/2"	1/2"		
18,000				3/8"	5/8" *	1/2"		
24,000				3/8"	3/4"	1/2"		
30,000				3/8"	3/4"	1/2"		

* Must bush down to 5/8" interconnect for 18K system



Electrical Specifications

NOTICE

Due to ongoing product development, designs, specifications, and performance are subject to change without notice. Please consult the factory for further information.

Table 7 Electrical specifications — UNCG/UNHG

MODEL	VOLTS/HZ/PH	FAN RLA	HP	HEATER K.W.	AMPS	TOTAL AMPS	MIN VOLT	M.C.A.	HACR BRKR
UNHG 09-12	115/60/1	0.64	0.02	—	—	0.64	104	0.8	15
	208/230/60/1	0.34	0.02	—	—	0.34	197	0.4	15
	208/230/60/1	0.34	0.02	3	13.04	13.38	197	16.7	20
UNHG 24	208/230/60/1	0.56	0.07	—	—	0.56	197	0.7	15
	208/230/60/1	0.56	0.07	3	13.04	13.6	197	17	20
	208/230/60/1	0.56	0.07	5	21.74	22.3	197	27.9	30
UNCG 30	208/230/60/1	0.8	0.10	—	—	0.8	197	1	15
	208/230/60/1	0.8	0.10	5	21.74	22.54	197	28.2	30

Table 8 Electrical specifications — S1CG/S1HG,S2CG/S2HG

Model #	Volts/HZ/PH	Fan Motor		Compressor				Total amps	Min volt	M.C.A.	HACR BRKR				
				Circuit 1		Circuit 2									
		AMPS	HP	RLA	LRA	RLA	LRA								
S1CG9000A S1HG9000A	115/60/1	1.4	0.125	7.5	47	N/A		8.9	104	10.8	15				
S1CG2000A S1HG2000A	115/60/1	1.4	0.125	9.9	53	N/A		11.3	104	13.8	20				
S1CG9000D S1HG9000D	208/230/60/1	0.8	0.125	3.9	20	N/A		4.7	197	5.7	15				
S1CG2000D S1HG2000D	208/230/60/1	0.8	0.125	5.2	27	N/A		6.0	197	7.3	15				
S1CG8000D S1HG8000D	208/230/60/1	0.8	0.125	5.9	43	N/A		6.7	197	8.2	15				
S1CG4000D S1HG4000D	208/230/60/1	0.8	0.125	8.0	43	N/A		8.8	197	10.8	15				
S1CG3000D	208/230/60/1	1.8	0.330	11.6	74	N/A		13.4	197	16.3	25				
S1CG6000D	208/230/60/1	1.8	0.330	12.7	74	N/A		14.5	197	17.7	30				
S2CG2200D S2HG2200D	208/230/60/1	1.8	0.330	5.2	27	5.2	27	9.6	197	10.6	15				
S2CG9200D S2HG9200D	208/230/60/1	1.8	0.330	3.9	20	5.2	27	10.9	197	12.2	15				
S2CG9900D S2HG9900D	208/230/60/1	1.8	0.330	3.9	20	3.9	20	12.2	197	13.5	15				
M.C.A. - minimum circuit amps															

Notes

[Large area for notes, consisting of 20 horizontal grey bars]

EMI's Product Line

Indoor Units

WLCG/WLHG
High Wall Air Handler



CACG/CAHG
Cassette Air Handler

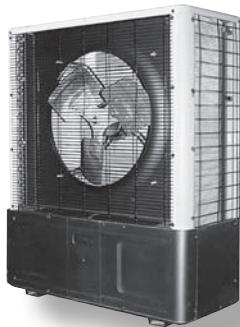


UNCG/UNHG
Universal Floor or Ceiling Air Handler



Outdoor Units

S2CG/S2HG Dual Zone Side Discharge



S1CG/S1HG Single Zone Side Discharge



T2CG, T3CG and T4CG 2, 3 and 4 Zone Top Discharge

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