



Comfort Where It Counts.

DATE: June 19, 2007

PRODUCT: UNCA/UNHA

UNCA/UNHA Universal Air Handler Release

EMI is pleased to announce the release of the UNCA/UNHA Universal Air Handler. This product completes the *America Series* 13 SEER Indoor Air Handler Product Line.

The UNHA/UNCA Universal Air Handler has many Installer-friendly features.

- The UNCA/UNHA can be ceiling or floor console mounted without field modification. A unique back plate mount allows for easy installation in either application. All components are accessible from the front of the machine. The unit can be recessed into the wall or ceiling.
- Factory-supplied knockouts allow for piping, wiring and condensate drains from a variety of locations.
- Voltage Options include: 115-1-60 (UNHA09, 12 and 24) or 208/230-1-60 (all sizes)
- Electric Heat Options are available and depend on size and voltage. UNHA09 and 12 are available with 0.75 kW (115 Volt)/3.0 kW (208/230 Volt) Electric Heat. The UNHA24 is available with 0.75 or 1.25 kW (115 Volt)/3.0 or 5 kW (208/230 Volt) Electric Heat. The UNCA36 is available with 5.0 kW (208/230 Volt) Electric Heat.
- The unit can be controlled from the on-board control, an Accessory 24-Volt wall mounted thermostat or an Accessory Infra-red Hand Held controller.
- Non-volatile memory allows for quick start-up after a power failure, by maintaining control settings.
- Unit Control allows for seven-day programming, with a copy feature for programming ease.
- Many control features such as coil freeze protection, minimum operating time and anti-short cycle ensure long reliable operation.
- Condensate Overflow Safety is standard on all units.
- Field programmed "Check Filter" timer alerts occupant when maintenance should be performed.

Approved single zone combination ratings with the new air handlers and Single Zone Condensing Units and Heat Pumps are listed below. These units can be applied to

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Multizone Condensing Units and Heat Pumps also. For specific multizone combination data, refer to the Specification and Performance Sheets.

Straight Cooling:

Capacity (BTUH) SEER/EER SHR	S1CA9000	S1CA2000	S1CA8000	S1CA4000	SC1A3000	S1CA6000
Universal Units						
UNHA09	9,000 13.0/11.6 0.79					
UNHA12		11,800 13.0/12.3 0.74				
UNHA24			18,000 14.0/13.0 0.78	24,000 13.0/12.0 0.70		
UNCA36					30,000 13.0/11.7 0.67	32,600 13.0/12.0 0.65

Heat Pump:

	Duty	Cooling: Capacity (BTUH) SEER/EER SHR			
		S1HA9000	S1HA2000	S1HA8000	S1HA4000
	Duty	Heating: Capacity (BTUH) HSPF/COP			
		S1HA9000	S1HA2000	S1HA8000	S1HA4000
UNHA09	Cooling	8,800 13.0/11.6 0.75			
	47 °F Heating	7,800 7.7/ 3.6			
	17 °F Heating	4,600			
UNHA12	Cooling		11,800 13.0/11.7 0.73		
	47 °F Heating		10,200 7.7/ 3.4		
	17 °F Heating		6,000		
UNHA24	Cooling			18,000 13.0/11.7 0.73	23,000 13.0/12.0 0.71
	47 °F Heating			16,400 7.7/ 3.8	20,600 7.7/ 3.5
	17 °F Heating			9,200	11,400

Note: Ratings in **Bold Italics** do not appear in the ARI Certified Directory.

The following units are available:

- UNHA09A0 - DX, Heat Pump or Cooling Only, Universal Ceiling/Floor, 9,000 Btuh (2.6 kW), 115-1-60
- UNHA09A3 - DX, Heat Pump or Cooling Only, Universal Ceiling/Floor, Wall-mount Thermostat/Infra-Red Handheld Remote Capability, 9,000 Btuh (2.6 kW), 115-1-60, 0.75 kW Electric Heat
- UNHA09D0 - DX, Heat Pump or Cooling Only, Universal Ceiling/Floor, 9,000 Btuh (2.6 kW), 208/230-1-60
- UNHA09D3 - DX, Heat Pump or Cooling Only, Universal Ceiling/Floor, 9,000 Btuh (2.6 kW), 208/230-1-60, 3.0 kW Electric Heat
- UNHA12A0 - DX, Heat Pump or Cooling Only, Universal Ceiling/Floor, 12,000 Btuh (3.5 kW), 115-1-60
- UNHA12A3 - DX, Heat Pump or Cooling Only, Universal Ceiling/Floor, 12,000 Btuh (3.5 kW), 115-1-60, 0.75 kW Electric Heat
- UNHA12D0 - DX, Heat Pump or Cooling Only, Universal Ceiling/Floor, 12,000 Btuh (3.5 kW), 208/230-1-60
- UNHA12D3 - DX, Heat Pump or Cooling Only, Universal Ceiling/Floor, 12,000 Btuh (3.5 kW), 208/230-1-60, 3.0 kW Electric Heat
- UNHA24A0 - DX, Heat Pump or Cooling Only, Universal Ceiling/Floor, 18,000/24,000 Btuh (5.2/7.0 kW), 115-1-60
- UNHA24A3 - DX, Heat Pump or Cooling Only, Universal Ceiling/Floor, 18,000/24,000 Btuh (5.2/7.0 kW), 115-1-60, 0.75 kW Electric Heat
- UNHA24A5 - DX, Heat Pump or Cooling Only, Universal Ceiling/Floor, 18,000/24,000 Btuh (5.2/7.0 kW), 115-1-60, 1.25 kW Electric Heat
- UNHA24D0 - DX, Heat Pump or Cooling Only, Universal Ceiling/Floor, 18,000/24,000 Btuh (5.2/7.0 kW), 208/230-1-60
- UNHA24D3 - DX, Heat Pump or Cooling Only, Universal Ceiling/Floor, 18,000/24,000 Btuh (5.2/7.0 kW), 208/230-1-60, 3.0 kW Electric Heat
- UNHA24D5 - DX, Heat Pump or Cooling Only, Universal Ceiling/Floor, 18,000/24,000 Btuh (5.2/7.0 kW), 208/230-1-60, 5.0 kW Electric Heat
- UNCA36D0 - DX, Cooling Only, Universal Ceiling/Floor, 30,000/36,000 Btuh (8.8/10.5 kW), 208/230-1-60
- UNCA36D5 - DX, Cooling Only, Universal Ceiling/Floor, 30,000/36,000 Btuh (8.8/10.5 kW), 208/230-1-60, 5 kW Electric Heat

Several Accessories are available for this product family; most are listed with pricing in the current Trade Price Book.

Description	Part Number
Condensate Pump, 115 V, 48" Lift	240006199
Condensate Pump, 208/230 V, 48" Lift	240006200
Condensate Pump, 115 V, 144" Lift *	550001728
Condensate Pump, 208/230 V, 144" Lift *	550001727
Infra-Red Digital Remote Control	240005766
Thermostat, Manual Changeover, Single Stage, Cool-Heat	240003926
Thermostat, Manual Changeover, Two Stage, Cool-Heat	240004180
Universal Floor Mount Trim Kit, UNHA09-12	550001785
Universal Floor Mount Trim Kit, UNHA24	550001786
Universal Floor Mount Trim Kit, UNCA36	550001787

Note: * - When used in the floor application, the Universal Floor Mount Trim Kit Accessory is required. This pump cannot be mounted internal to the unit in the ceiling application.

Lead time for these units is 2-4 weeks with one exception. The UNHA24D5 will not be available for shipping until the end of June. After that time, the lead time will follow the standard product. Lead time for the Universal Floor Mount Trim Kit is currently at 5 weeks and is expected to improve.

The Specification and Performance, Engineering Submittals, and the Installation, Operation and Maintenance manual are available on the website. The current Trade Price Book 0407 has been released with this base unit and factory installed options with pricing.

New for this release are three new tools to aid in specifying equipment: Guide Specifications, a Detailed Dimensional Drawing, and Unit Template Drawings. The Guide Specifications list features of the equipment and follow an outline format in Microsoft Word format. A detailed dimensional drawing indicating airflow and service clearance, mounting information, piping and wiring locations and knockouts is available. A scaleable front, top and side view drawing in a .dxf format is available for architectural drawings. All three views are available on a single file. All of these elements are on the website.

For additional information, contact EMI Technical Service at 800-325-5479.