



Comfort Where It Counts.

WHP HIGH WALL AIR HANDLER

P/N# 240003249, Rev. 1.7 [9/05]

SPECIFICATIONS AND PERFORMANCE



STRAIGHT COOL/HEAT PUMP

Nominal Capacities: 9,000, 12,000, 15,000, 18,000, 24,000, 30,000, and 36,000 Btuh

PRODUCT DESCRIPTION

The WHP is a contemporary design, ductless type evaporator combining attractive appearance in any decor. It offers high efficiency conditioning of small to mid size commercial or residential spaces. The WHP is equipped with unit mounted infrared compatible controls, an optional hand held remote is available.

Heat Pump models provide up to a nominal 33,000 Btuh of cooling and 36,000 Btuh of heating. Electric heat options are available for up to 5KW of supplemental heat.

This American-made evaporator offers ease of installation, operation, and service. It can be matched with the SCC/SHC or the Hi SEER C2C, 09-24 Btuh Single-Zone Condensing Units and either of EMI's Multi-Zone Condensing Units, the MC2/MH2, or the MC4/MH4.

Please refer to the following manuals to complete the system installation: **EMI AmericaSeries Single-Zone & Multi-Zone Condensing Units, IOM #240004514, for the SCC/SHC, MC2/MH2 and MC4/MH4 and the C2C, IOM #240004479.**

AIR HANDLER STANDARD FEATURES

▲▼ Materials Of construction

- Cabinet fabricated of 20-gauge galvalume steel with powder coat matte finish
- High impact polystyrene air inlet panel with perforated steel grill
- Discharge grill constructed of high temperature Noryl
- Condensate drain pan constructed of galvanized steel (G90U) with anti-corrosion coating

▲▼ Controls and Components (Factory Installed)

- Low Volt transformer
- Relays and connections for condensing unit
- Unit mount control panel
 - ¾" backlit LCD display
 - Adjustable operational range from 55°F to 95°F (in one-degree increments)
 - Anti-short cycle compressor protection
 - Minimum compressor run time
 - 60 second fan purge
 - Freeze protection
 - Audio feedback on control setting changes
 - Universal control board for straight cool or heat pump condenser operation
 - Two-stage heating w/optional electric heat and heat pump condenser
 - Fan operation: Auto (cycling), high and low (constant)
 - Dry mode (operates cooling and electric heat simultaneously to remove humidity when optional electric heat is selected)
 - Test operation for ease of testing after installation (all timers are eliminated)
 - Non-volatile backup memory (control settings maintained indefinitely during power outages)

OPTIONAL EQUIPMENT

- Condensate pump (factory or field installed)
- 24V remote thermostat
- Controls and relays for 24V remote thermostat
- Electric heat with automatic reset high temperature cutout and redundant high temperature fuse link (when heat option is selected)
- Optional hand held infrared controller

NOTE: Unit mounted controls are fully functional without the remote.

INSTALLER SUPPLIED ITEMS

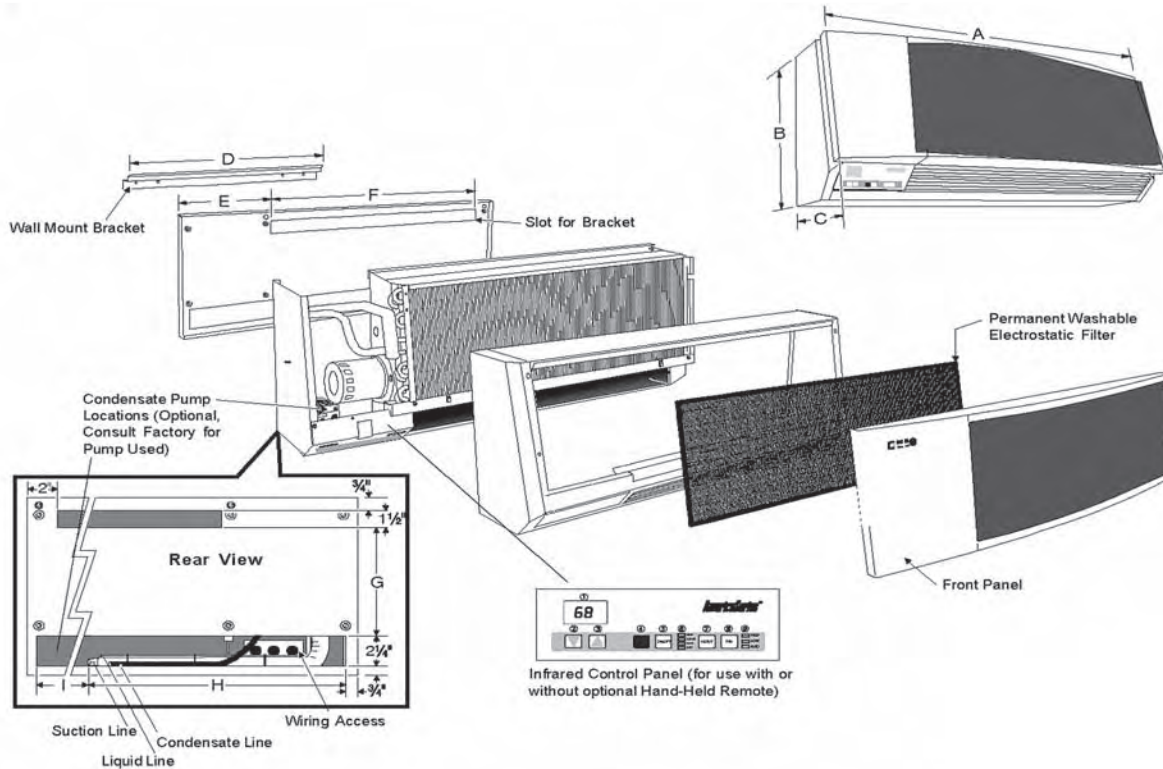
- Low voltage wiring
- Power wiring
- Mounting screws and fasteners
- Condensate piping
- Refrigerant piping (if not supplied)
- Refrigerant (for interconnect charge)

NOTE: WHP 12/18/30 units built after 4/05 may need a Piston/Orifice Change at time of installation (factory supplied). Refer to chart below.

Model # Air Handler	Condenser Btuh	Factory Installed		Field Changeover	
		Part # Piston/Orifice	Piston/Orifice Size	Part # Piston/Orifice	Piston/Orifice Size
WHP12	9,000	240-4064	.044"	240-727	.041"
	12,000			NO CHANGE	
WHP18	15,000	240-4111	.053"	240-1010	.049"
	18,000			NO CHANGE	
WHP30	24,000	240-2089	.063"	240-728	.059"
	30,000			NO CHANGE	

WHP DIMENSIONS AND SPECIFICATIONS

NOTE: Due to ongoing development programs, design and specifications may change without notice.



WHP PHYSICAL DIMENSIONS										
Model	Width "A"	Height "B"	Depth "C"	Width "D"	Width "E"	Width "F"	Width "G"	Width "H"	Width "I"	Shipping Wt.
09/12	36½"	14½"	10¾"	22"	9"	24½"	8"	18"	16"	85
15/18	47½"	14½"	10¾"	32"	10"	34½"	8"	18"	27"	115
24/30	57½"	14½"	10¾"	42"	10"	44½"	8"	27"	28"	115
36	57½"	17"	11¼"	42"	10"	44½"	10½"	25"	28½"	115

WHP ELECTRICAL SPECIFICATIONS					
Model	Voltage	Hertz	Fan FLA	Min Amp (1)	Max Fuse (1)
9/12	115	60	0.7	0.8	15
	208/230	60	0.34	0.43	15
15-36	115	60	1.2	1.5	15
	208/230	60	0.56	0.7	15

(1) If electric heaters are installed, use Min Amp and Max Fuse from Heater Options Chart.

WHP OBSERVED SOUND VALUES (230V High Speed Fan)	
Model	DbA
9/12	48
15/18	51
24/30	54
36	54

WHP CONNECTIONS		
Refrigerant Line Size		
Model	Liquid	Suction
9/12	1/4"	1/2"
15	1/4"	5/8"
18	3/8"	5/8"
24/30	3/8"	3/4"
36	3/8"	7/8"

* WHP Suction Connection is 3/4" O.D. and must be bushed down at the WHP Unit.

WHP ELECTRIC HEAT OPTIONS						
Model	Voltage	KW	Heater Amps	Total Amps	Min. Cir. Amps	Max Fuse
9/12	230	3	13.1	13.5	16.8	20
15/18	230	3	13.1	13.6	17	20
24/30	230	5	21.7	22.3	27.9	30
36	230	5	21.7	22.3	27.9	30

DISCHARGE AIR SPEED AND FLOW (230V High Speed Fan)				
Model	CFM	Coil	FPM	Throw/Ft.
9/12	310	Dry	960	16
15/18	600	Dry	1412	26
24/30	750	Dry	1400	25
36	750	Dry	1400	25



Comfort Where It Counts.

EnviroMaster International LLC
5780 Success Drive, Rome, NY 13440
www.enviromaster.com

The Ductless Split System of Choice

Made in Rome, New York, USA