

HORIZONTAL IN-WALL STRAIGHT COOL CONDENSING UNITS

NOMINAL CIRCUITS: 18000 and 24000 BTU/h



DESCRIPTION

The HCA Horizontal In-Wall Condensing Unit is designed as a replacement for existing in-wall installations where the original wall opening dimensions are critical. These units are designed to provide cooling to evaporators previously supplied by Enviromaster International or other manufacturers.

Air is drawn in through both sides of the condenser coil and is discharged through the coil by forced air method. Architectural condenser side louver kit is supplied standard with each HCA and condensate drains are provided in the base pan outdoor side, allowing gravity drainage when the pan is slightly pitched to the outside.

WARNING: THE HCA CONDENSING UNIT DOES NOT MEET FEDERAL ENERGY EFFICIENCY STANDARDS FOR NEW CENTRAL AIR CONDITIONING AND IS NOT TO BE USED IN NEW CONSTRUCTION. EMI HAS A D.O.E. WAIVER TO SELL THE UNIT AS A REPLACEMENT UNIT ONLY.

Please note that, due to ongoing product development, design and specifications may change without notice. Consult the factory for current performance data.

MATERIALS OF CONSTRUCTION

- Cabinet fabricated of G-60 galvanealed steel and finished with corrosive inhibiting beige powder coat
- Standard architectural aluminum bar louver

COMPRESSOR

Hermetically sealed reciprocating type. Motor is PSC type with internal overload protection. Compressor is installed on resilient mountings. The removable back panel provides access to the compressor as well as to the fan motor and electrical box.

REFRIGERATION CIRCUIT

The HCA is delivered pre-charged with refrigerant. Charging of the field installed piping is required. Unit refrigeration valves are solid brass Primore for sweat connection.

COIL

Coil is seamless copper tubing arranged in staggered configuration with enhanced aluminum fins tested to 460 psig. The tubes are mechanically expanded for secure bonding to fin shoulder.

BLOWER AND MOTOR

The HCA uses a Propeller/Slinger type fan which can perform condensate re-evaporation to enhance efficiency and a direct-driven single speed motor with internal overload protection.

FACTORY INSTALLED CONTROLS/COMPONENTS

- Refrigeration connections for evaporator unit
- Compressor and fan motor contactor
- Capacitor
- Low voltage interconnection terminals
- High pressure control

REFRIGERANT RUN OPTIONS

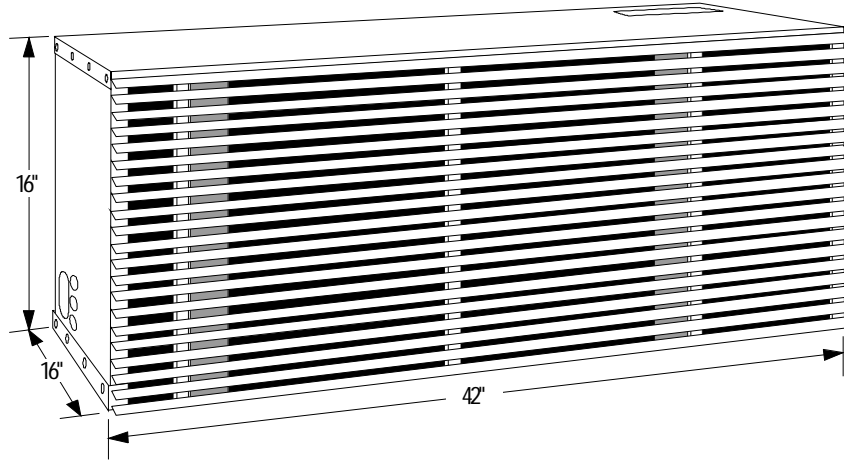
The standard system will support refrigerant runs to the inside unit of 35' of lift, up to 100' of interconnect. Consult factory if greater run/lift interconnect is required.

SYSTEM OPTIONS

- Sea coast coated coil
- Low ambient options available (consult factory for further information)

HCA SPECIFICATIONS AND PERFORMANCE

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



REFERENCE CIRCUIT RATINGS

MODEL	BTU/H	SEER	SHIPPING WT.
18	17,000	9.6	115
24	22,000	8.9	140

PIPING SPECIFICATIONS & CHARGE

MODEL	REF. LINE SIZES		REF. CHARGE OZ.
	LIQUID	SUCTION	
18	3/8"	5/8"	43
24	3/8"	3/4"	48.5

ELECTRICAL SPECIFICATIONS

MODEL	VOLTS/HZ/PHASE	FAN		COMP		TOTAL AMPS	MIN. VOLT	MCA	HACR BRKR
		AMPS	HP	RLA	LRA				
18	208/230/60/1	0.72	0.125	7.4	48	8.12	197	10	15
24	208/230/60/1	0.72	0.125	9.4	60	10.12	197	12.5	20



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