

300 to 1200 CFM

MUY CONCEALED UNIVERSAL MODULAR HI-RISE

300 CFM TO 1200 CFM

The Concealed MUY fan coil unit is designed for concealed applications in corners or along room walls. International Environmental Corporation's (IEC) unique design utilizes laser cut knock-outs so that installers can easily field configure each unit to the desired configuration. Once installed, only the thermostat control, supply air grille and decorative return air panel of the unit are visible in the room. Removal of the return air panel provides easy access to all internal components. Standard units are provided with a galvanized finish on the cabinet and an arctic white powder-coat paint finish on the return air panel. Supply air grilles are provided with arctic white powder-coat or anodized aluminum finish.

VERSATILITY IN DESIGN AND INSTALLATION

IEC's MUY fan coil systems offer unit arrangement versatility, made possible as a factory-assembled and integrated package. They are designed to be of low visual impact in the room, often positioned in a corner, along the perimeter wall or as part of a partition separating two areas.

The MUY fan coil was designed for new construction and the retrofit-replacement markets. These units can easily be field configured into most conventional applications. Riser and condensate drain knock-outs have been strategically located on three sides of each unit for field configuration. Supply air knock-outs are located on 4 sides of the unit as well as the top of the unit (for ducted applications). Outside air knock-outs are located on each side of the return air opening. All risers ship separately from units so contractors can pre-install the riser system earlier in the construction cycle and complete riser testing prior to installation of the units.

APPLICATION FIT

- Concealed cabinets with multiple airflow configurations provide solutions for most applications.
- A variety of aesthetically pleasing return air panels will blend with most décors.
- Thermostats are available as surface or remote wall mounted for ease of interface.
- Units are specifically designed for quiet operation.

DESIGN FLEXIBILITY

- Easy to use computer rating program to speed up project design.
- Wide variety of coil configurations to match the heating and cooling loads of the space.

EASE OF INSTALLATION

- Units assembled at the factory in coordination with the jobsite construction schedule.
- Riser length is matched to the job specifications and pre-fabricated and insulated with the specified material. Risers are shipped separately.
- Risers are swaged to reduce field brazing labor.
- Drywall can be applied directly to the surface of the concealed unit with factory provided duct collars and drywall stops to ensure a high quality finished appearance.

EASE OF SERVICE

- Filters are easily accessible by removing return air panel.
- Motor and blower assemblies are removable with quick-connect plug and fasteners.
- Control box at eye level for ease of field wiring and easy access.

QUALITY AND SAFETY

- Every unit is tested and inspected at the factory for trouble free start-up.
- ETL listed
- AHRI certified

STANDARD FEATURES

- Nominal CFM sizes: 300, 400, 600, 800, 1,000, and 1,200.
- Knockouts for risers, condensate drain riser, supply air, outside air, and electrical locations.
- Units are fabricated of galvanized steel with 16 gauge galvanized fan deck.
- Motor/blower assemblies will meet most needs of applications where duct work is required. Unit applications should not exceed a maximum of 0.25" external static pressure.
- Risers, supply air grilles, thermostats, and return air panels shipped loose for field installation by others.
- 1" throwaway nonwoven synthetic and 1" pleated MERV 8 filters are available to address IAQ requirements.
- 24 V controls.
- 1/2" standard fiberglass unit insulation material.
- Heavy galvanized or stainless steel drain pan with pre-formed rubber p-trap. Optional antimicrobial coating available.

Universal Modular Hi-Rise Series Fan Coils

MUY PHYSICAL DATA - INCHES (MILLIMETERS)

Unit Size	Width	Depth	Height
03	17" (432)	17" (432)	88" (2235)
04	17" (432)	17" (432)	88" (2235)
06	20" (508)	20" (508)	88" (2235)
08	20" (508)	20" (508)	88" (2235)
10	24" (610)	24" (610)	88" (2235)
12	24" (610)	24" (610)	88" (2235)

STANDARD RATINGS

Unit Type	Unit Coil Size	Nominal CFM	Cooling Capacity		Power Input-Watts (Perm. Split Cap. Motor)
			Total MBH	Sensible MBH	
MUY 3-row	03-A	300	11.5	7.0	85
	04-A	400	13.6	9.0	115
	06-A	600	21.9	14.0	135
	08-A	800	27.5	17.8	250
	10-A	1000	37.7	24.5	325
	12-A	1200	43.1	28.4	440
MUY 4-row	03-B	300	12.2	7.3	85
	04-B	400	15.6	9.6	115
	06-B	600	26.0	15.3	135
	08-B	800	31.4	19.5	250
	10-B	1000	42.2	25.6	325
	12-B	1200	46.5	30.5	440

- NOTES:**
1. Ratings are based on 80°F DB and 67°F WB EAT, 45°F EWT, 10°F water temperature rise, high fan speed, motor voltage 115-1-60, and airflow under dry coil conditions.
 2. For all application ratings, use IEC's computer selection program, the quick-selection ratings provided in this catalog, or contact your local IEC representative.
 3. For additional information, please consult ARI's website at www.ari.org.

Contact your local representative for more details about the MUY product family.

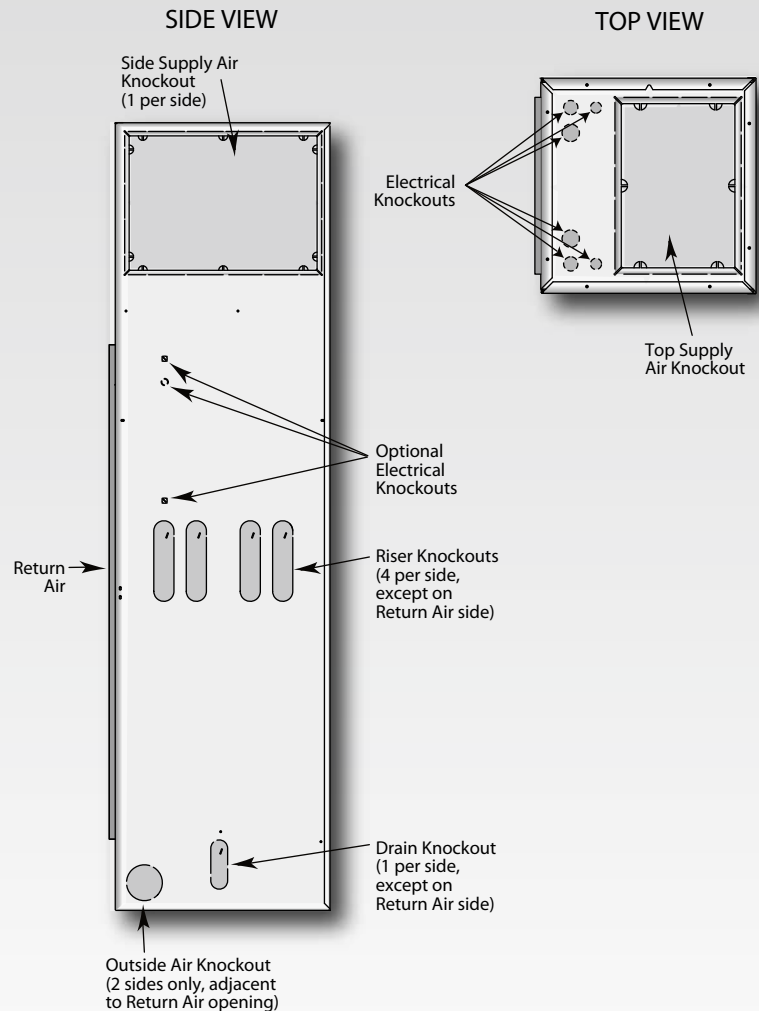
Visit www.iec-okc.com for more details about IEC and its products.

Universal Modular Hi-Rise Series Fan Coils

For more than half a century, IEC has led the way in improving indoor air quality with high performance fan coil units. Today IEC is shaping the future through sustainable building options.

IEC'S "GREEN" STANDARDS AND OPTIONS:

- Environmentally friendly hydronic fan coil system (uses no refrigerants)
- High MERV filter option available
- Highly efficient Eco-telligent™ ECM option
- Outside/Conditioned air options
- Variety of unit insulation options
- Programmable thermostat options
- Anti-microbial drain pan coating option
- Recycled materials used in manufacturing processes whenever possible
- No HCFC foams or VOC paints used in manufacturing processes



- NOTES:**
1. All risers ship separately from units.
 2. Return air panel, supply air grille, and thermostat not shown.



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