

Mega Modular Hi-Rise Series

FAN COIL TECHNICAL CATALOG



A **NIBE** GROUP MEMBER



- **Cost Effective Solution**
- **Easy to Install/Service**
- **Variety of Sizes/Applications**

- Ideal for hospitality, educational and multi-family
- Designed for ducted applications
- Nominal CFM range of 1400 to 2000 CFM

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International Environmental Corporation (IEC) works continually to improve its products. As a result, the design and specifications of each product may be changed without notice and may not be as described herein. Please contact IEC for information regarding current design and product specifications. Statements and other information contained herein are not express warranties and do not form the basis of any bargain between the parties but are merely IEC's opinion or commendation of its products. Manufacturer's standard limited warranty applies.

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Portfolio



Concealed Modular (MGY) 1400 CFM to 2000 CFM

The Concealed Mega Modular (MGY) fan coil unit, International Environmental Corporation's (IEC) premier Modular unit, is designed to deliver nominal airflow up to 0.5" w.g. ESP for EC Motors in a ducted application. For details, reference fan curves. Although usually installed in a small mechanical closet, the unit also features an optional decorative return air panel to allow for a classic high-rise type installation. Standard MGY units are constructed of 18 gauge galvanized steel and are provided with a galvanized finish on the cabinet.

Hospitality

Consider using a Mega Modular Hi-Rise Unit in lieu of multiple smaller units. Mega Modular Hi-Rise Units conditioning lower level conference rooms and upper level suites can share a riser with the smaller high rise units, which are conditioning guest rooms in between.

Residential

Decrease system complexity by utilizing fewer risers of Mega Modular Hi-Rise Units on a high-rise condo project. The unit's high static capability will easily handle high efficiency air filters and decorative supply grilles, while the modular design provides quiet operation and factory installed valve packages.

Features and Benefits

Versatility In Design and Installation

Mega Modular Hi-Rise fan coil systems offer versatile unit arrangements made possible as a factory-assembled and integrated package. They are designed to be installed in a closet or furred in enclosure and ducted to provide indoor air comfort.

Application Fit

- Cabinet designed for a ducted application and feature an optional supply plenum to provide for multiple supply locations.
- An aesthetically pleasing optional return air grille that will blend with most décor.
- 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. Coils with different materials and pressure drops to meet the needs of custom applications are also available.
- Optional supply air plenum is available when requirements dictate non-ducted applications.
- Wide variety of valve packages are factory installed to meet desired control specification requirements.
- Make-up air knockouts are provided to meet ventilation requirements.
- Multiple filter media types are available to address IAQ requirements.
- Different types of control options are available.
- Wide variety of insulation materials are available to address IAQ concerns.
- Stainless steel drain pan with external insulation and pre-formed rubber p-trap is standard.
- Antimicrobial drain pan coating available to address IAQ concerns.

Ease of Installation

- Units assembled at the factory in coordination with the jobsite construction schedule to minimize field installation labor.
- Units palletized and shipped floor by floor in coordination with the construction schedule.
- Riser length is matched to the job specifications and pre-fabricated with the specified material. Risers are shipped separately for field installation by others.
- Risers swaged to reduce field brazing labor.
- Units are field connected to the risers using factory furnished flex hoses.
- Drywall can be applied directly to the surface of the unit with factory provided duct collars and drywall stops to ensure a high quality finished appearance.

Ease of Service

- Filters are easily accessible.
- Removable motor and blower with quick-connect plug and minimal fasteners.
- Control box at eye level for ease of field wiring and easy access.

Quality and Safety

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

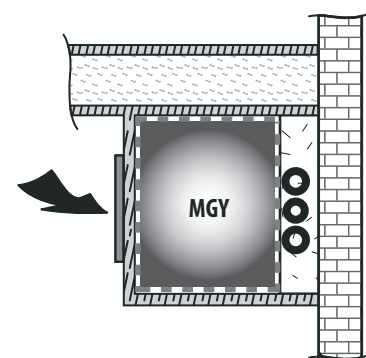
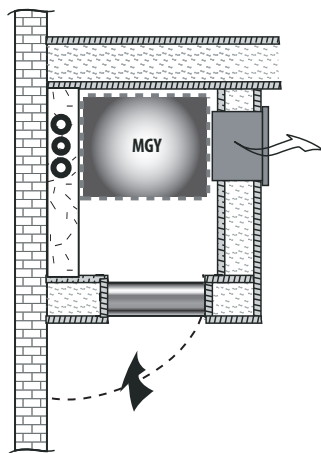
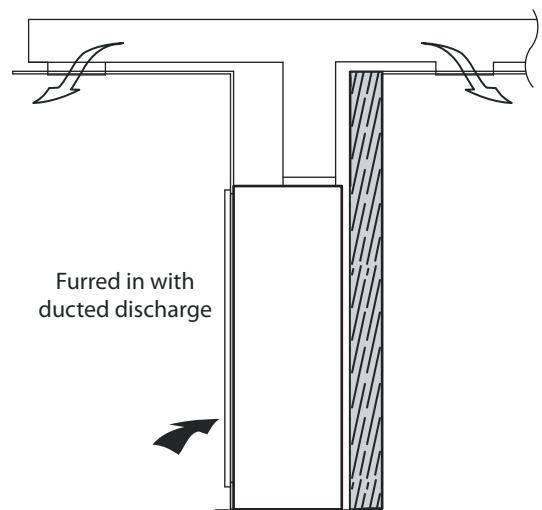
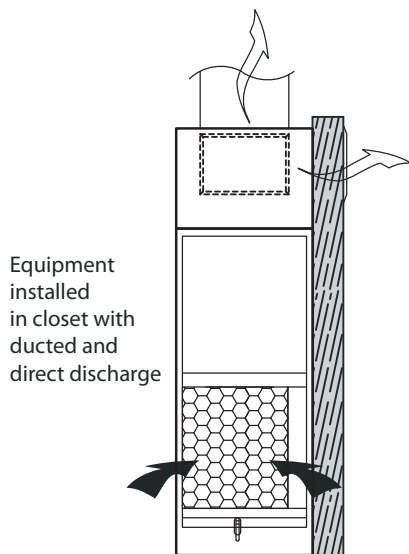
Product Application

Unit Configuration Options

Mega Modular Hi-Rise units are designed to be installed either in a small mechanical closet, or furred in with drywall adhered directly to the cabinet. One of the unique traits of the Mega Modular Hi-Rise fan coil system is its optional discharge plenum. The discharge plenum is a factory installed option that adds 22" to the unit height and provides multiple air duct or supply air grille connections.


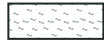

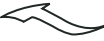




The designer is afforded the luxury of specifying a single unit, which can duct to multiple spaces, direct discharge to a single space, or provide a combination of the two. If necessary, the plenum can be added or removed in the field to accommodate design changes.

Below are a few of the many arrangement possibilities of the Mega Modular Hi-Rise fan coil system.



NOTE: Risers ship separately. Units should be field connected using factory furnished flex hoses.

LEGEND

- | | | | |
|---|-----------------------------|---|--------------------------------|
|  | Exterior Wall |  | Partition (or Separation) Wall |
|  | Field Sheetrock |  | Supply Air |
|  | Separation or Utility Chase |  | Return Air |
|  | Modular Riser Unit |  | Field Installed Risers |

Product Application, Cont'd.

Riser Material, Sizing and Insulation

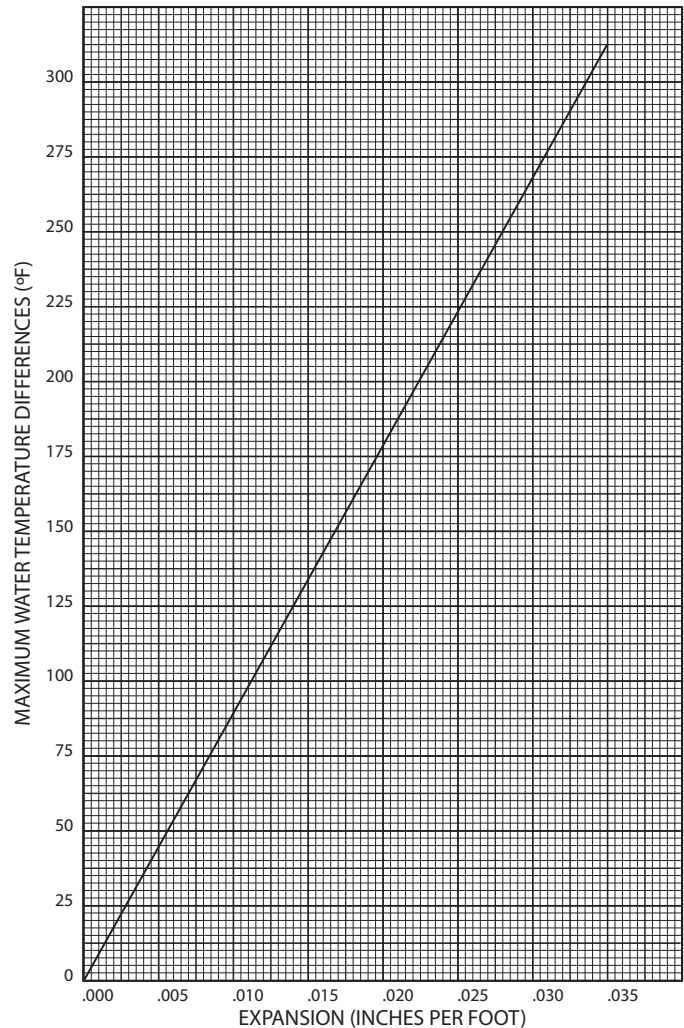
Mega Modular Hi-Rise units can be installed with or without risers, making it ideal for a high-rise building, or a shorter building with horizontal runs. Risers are factory fabricated and shipped loose for field installation. The riser type, size, and length must be determined based on the position of the unit in the building. The chilled and hot water risers are available in a variety of diameters from 3/4" through 3". Condensate risers are available in 1" and 1-1/4" for standard configuration units. All risers and riser extensions, including condensate drains, should be insulated for the full riser length. Other materials to accommodate such critical specifications as riser expansion and between-the-floor fire proofing must be field furnished and installed by others. Consult the factory for special applications.

Riser sizing is normally based on the water flow requirements of each unit and the units above and below the unit in the riser column depending on the type of system being used. A common design technique is to select the risers to limit water velocity at 4 to 6' per second. Using this method, risers may be reduced in size as the water flow reduces from floor to floor.

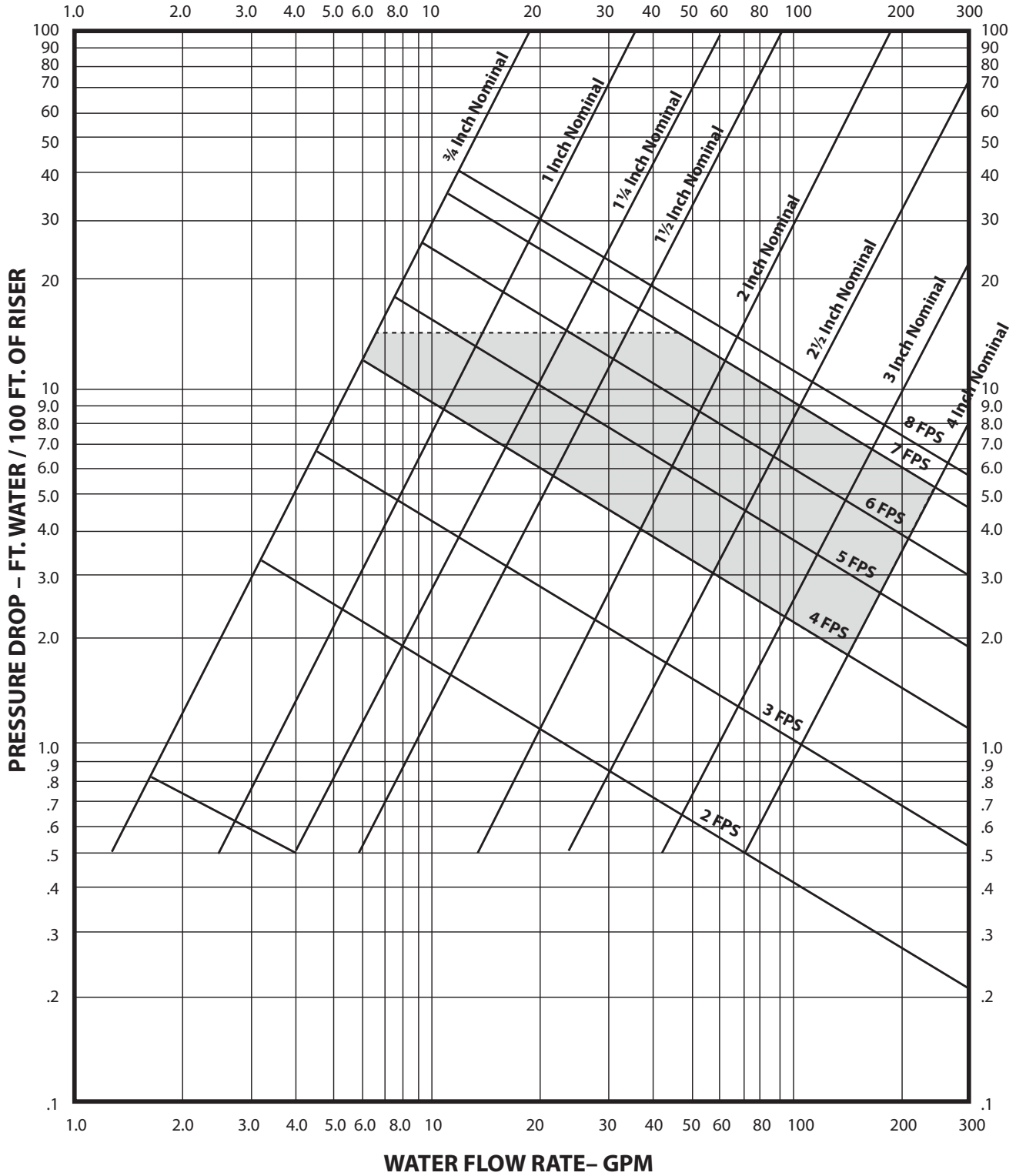
Riser Expansion

IEC's Mega Modular Hi-Rise units are designed to be used with flexible hose connections between the coil and risers. This only allows for expansion between the unit and the riser. This allowance for the movement within the unit is not intended to replace expansion compensation devices that the consulting engineer may deem advisable for the external riser system. External riser expansion/contraction compensation and anchoring are the responsibility of the consulting engineer and the installing contractor.

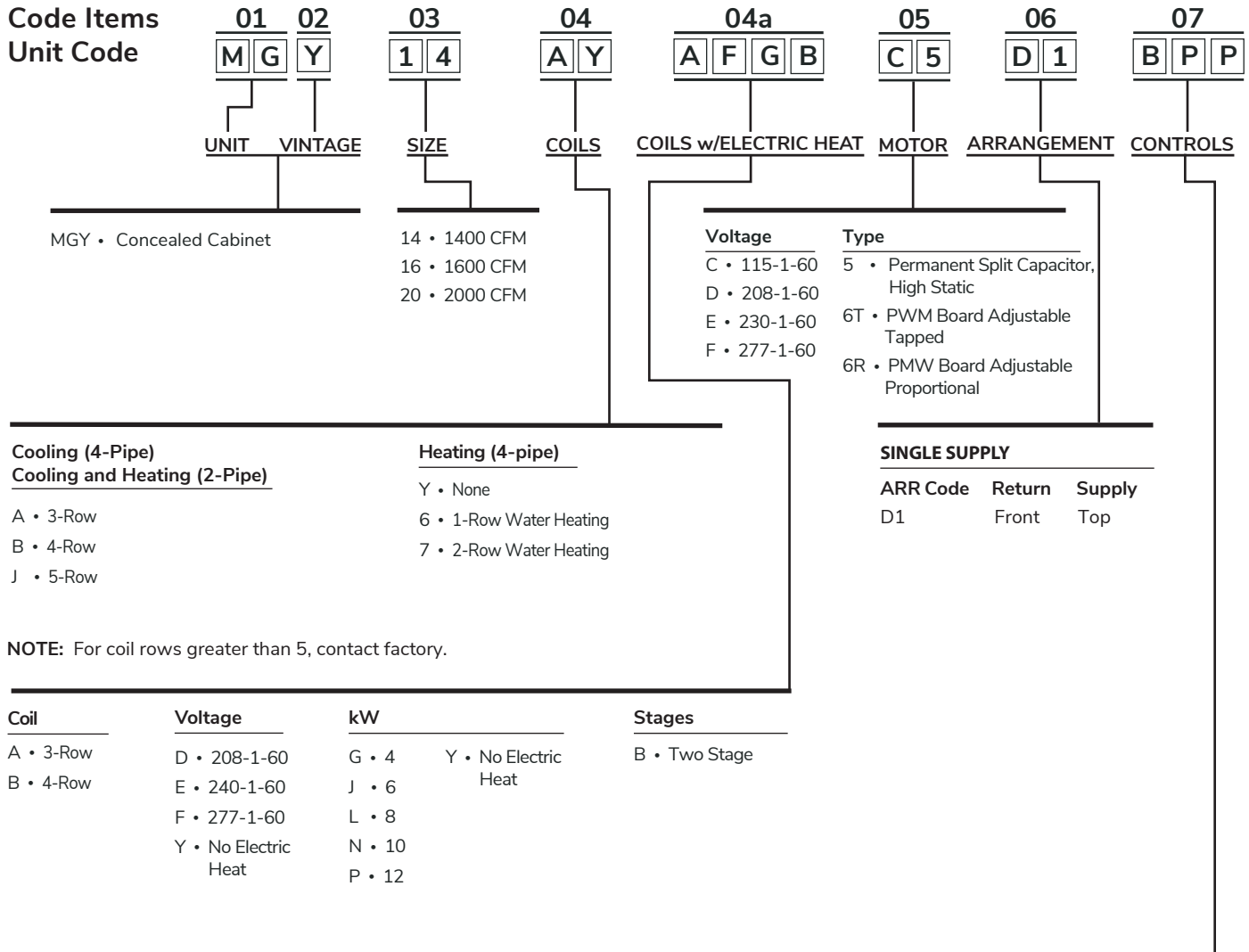
THERMAL EXPANSION OF COPPER RISERS



Product Application, Cont'd.



Unit Model Key



Voltage
B • 24 Volt

System / Thermostat

Function Control

G • 2 Pipe Heat Only
H • 2 Pipe Cool Only
K • 2 Pipe Heat and Cool
M • 2 Pipe Heat and Cool w/Aux. Elec. Heat
P • 2 Pipe Cool Only w/Total Elec. Heat
R • 4 Pipe Heat and Cool

Thermostat

P • Basic 24V Digital, 7-Day Programmable
N • Basic 24V Digital, Non-Programmable
F • Premium 24V Digital, 7-Day Programmable/ BACnet with Proportional Fan/ Valves Option
G • Premium 24V Digital BACnet with Proportional Fan/ Valves Option
W • Venture 24V Wi-Fi Programmable

Mega Modular Hi-Rise Series

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Ratings and Listings

AHRI Certification

IEC's Mega Modular Hi-Rise Series Units are certified in compliance with Air-Conditioning, Heating, and Refrigeration Institute (AHRI) industry standard AHRI-440 for room fan coils. Approved Standard Ratings are tabulated below.



C-ETL-US Listing

IEC's Mega Modular Hi-Rise Series units are certified by Intertek Testing Services (ITS). ITS's C ETL US

listing signifies that IEC's blower coil units have been examined by ITS and comply with the minimum requirements of U.S. and Canadian national product safety standard, UL 1995/CSA C22.2 No. 236, and that IEC's manufacturing site has been audited. ITS's re-examination service includes periodic visits to IEC's factory to ensure continued compliance for all listed products.



Standard Ratings – EC Motors

Model	Size	Coil Rows	Air Flow Rating (SCFM)	Water Pressure Drop (ft. water)	Total Cap (Btuh)	Sensible Cap (Btuh)	Power Input (Watts)
MGY	14	3	1,400	15.0	38,300	27,900	515
MGY	14	4	1,400	7.5	45,200	32,400	670
MGY	16	3	1,600	11.0	42,900	31,600	675
MGY	16	4	1,600	12.0	49,900	36,000	730
MGY	20	3	2,000	15.0	49,000	35,600	800
MGY	20	4	2,000	15.0	58,700	42,000	715

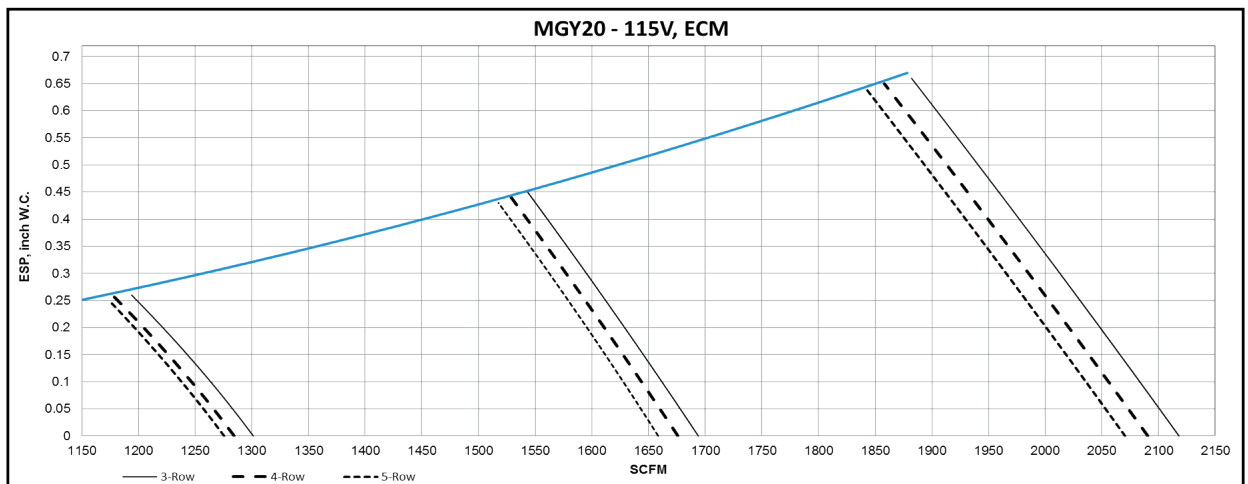
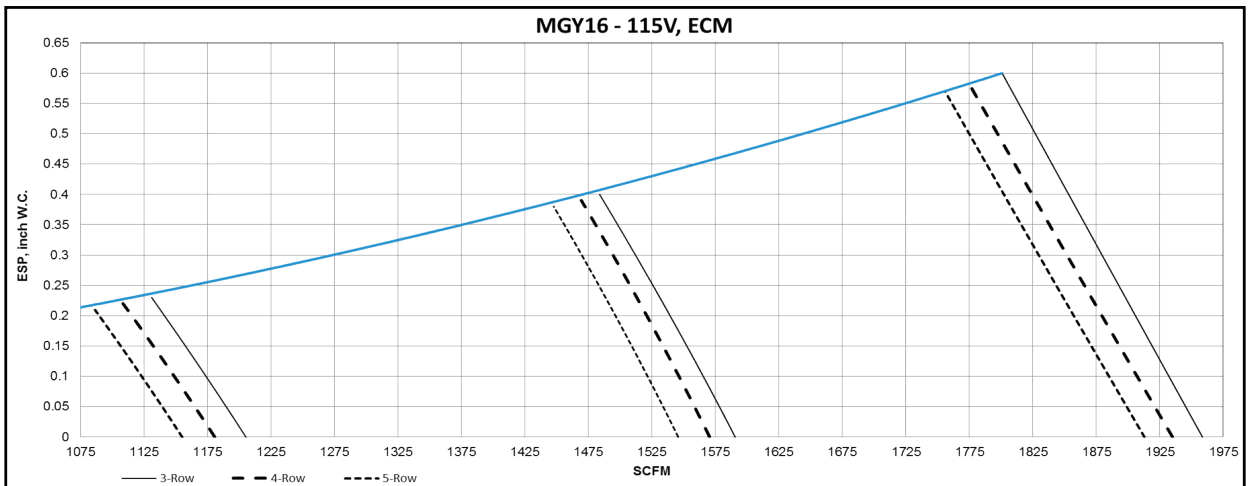
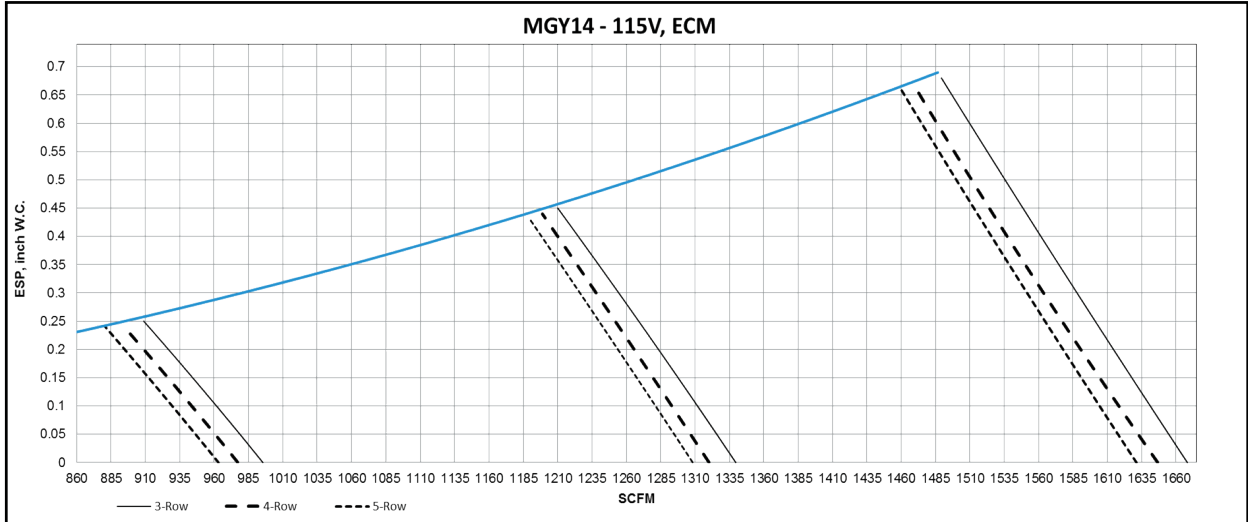
- NOTES: 1. Ratings are based on 80°F DB and 67°F WB EAT, 45°F EWT, 10°F water temperature rise, high fan speed, 0.20" w.g. ESP, motor voltage 120-1-60, no deco panel and no electric heater.
 2. For information regarding performance at specific conditions, use the IEC Rating Program or contact your IEC representative for assistance.

Standard Hydronic Heating Capacity

Model	Size	Coil Rows	Air Flow Rating (SCFM)	Total Cap. (Btuh)	Sensible Cap. (Btuh)	Water Flow GPM	Water Pressure Drop (ft. Water)
MGY	14	3	1,400	38,300	27,900	7.7	15.0
MGY	14	4	1,400	45,200	32,400	9.0	7.5
MGY	14	5	1,400	55,700	37,300	11.1	8.8
MGY	16	3	1,600	42,900	31,600	8.6	12.0
MGY	16	4	1,600	49,900	36,000	10.0	12.0
MGY	16	5	1,600	63,200	42,700	12.6	11.4
MGY	20	3	2,000	49,000	35,600	9.8	15.0
MGY	20	4	2,000	58,700	42,000	11.7	15.0
MGY	20	5	2,000	73,400	49,500	14.7	16.3

Fan Performance Curves

NOTE: Supply air grille, return air panel and factory-installed throwaway air filter static pressure losses are included in all fan performance curves for all sizes.



Electric Resistance Heating

Electric heaters are available on IEC Mega Modular Hi-Rise Series fan coil units for the following applications.

Total Electric Heat

Total electric heat eliminates the requirement for a boiler. Heating and/or cooling may be available on an individual basis throughout the year. Two-pipe chilled water is used for cooling, and the electric heater is used for heating. Individual room controls can be supplied for either manual or automatic changeover.

Auxiliary Electric Heat

Auxiliary electric heat is ideal for tempering room air between seasons and during the cooling season when chilled water is being circulated. Individual room controls are supplied to provide electric heat only when chilled water is being circulated. During regular heating season, heating is provided by hot water being circulated in the system.

Two Stage Electric Heat

Two stage electric heat is available for a two stage thermostat or other special control sequence via Special Feature Request (SFR).

Construction

Heater coils of high-grade nickel chromium wire are supported by ceramic insulators on plated steel brackets. These heating elements are located at the discharge area of the motor/blower. High limit thermal cutouts protect the unit in the event of airflow loss. There are many special applications and control sequences for electric heat. For special applications please consult the factory.

Electric Heater Selection

Voltage	kW	Unit Size		
		14	16	20
120V		Not Available		
208V	4	•	•	•
	6	•	•	•
	8	•	•	•
240V	4	•	•	•
	6	•	•	•
	8	•	•	•
	10	•	•	•
277V	4	•	•	•
	6	•	•	•
	8	•	•	•
	10	•	•	•
	12	•	•	•

Motor Information and Sound Power Data

Motor Performance Data – MGY

Note that this data is for design purposes and should not be used for an energy analysis. An EC motor reaches full load condition at the unit's maximum external static because it has increased output to maintain airflow. An EC motor decreases output with lower static causing the minimum power usage to occur at 0.0" w.g. ESP.

EC Motor Performance Data

Voltage	Unit Size	14	16	20
	Nominal HP	3/4	1	1
120V	Rated Motor FLA	9.6	12.8	12.8
	Max Program Current	9.6	12.8	12.8
208V	Rated Motor FLA	7.5	10.1	10.1
	Max Program Current	7.5	10.1	10.1
230V	Rated Motor FLA	6.8	9.1	9.1
	Max Program Current	6.8	9.1	9.1
277V	Rated Motor FLA	5.5	6.9	6.9
	Max Program Current	5.5	6.9	6.9

- NOTES: 1. Total unit motor AMPS and watts shown.
 2. UL approves the motor and thermal overload combination at locked rotor conditions only.
 3. Consult factory for 50 Hz applications.

MGY Sound Power Data

UNIT SIZE	RATING	FAN SPEED	CFM	SOUND POWER LEVEL, Lw (dB reference one picowatt)							A-wgt (dBA)
				125 Hz	250 Hz	500 Hz	1K Hz	2K Hz	4K Hz	8K Hz	
14	CASING RADIATED w/#1 Style RA Panel	H	1275	73	63	59	58	54	47	39	63
		M	1110	71	60	57	55	51	44	36	61
		L	880	67	56	53	50	45	38	34	56
	DUCTED DISCHARGE w/#1 Style RA Panel	H	1275	66	59	59	61	55	53	46	64
		M	1110	63	57	57	58	53	51	43	61
		L	880	59	52	53	51	47	45	37	56
16	CASING RADIATED w/#1 Style RA Panel	H	1510	77	64	59	57	55	48	38	64
		M	1400	75	63	58	56	53	46	37	63
		L	1180	73	59	56	53	50	42	35	60
	DUCTED DISCHARGE w/#1 Style RA Panel	H	1510	67	63	59	60	57	54	45	64
		M	1400	66	60	58	59	56	53	44	63
		L	1180	64	57	56	56	53	49	40	60
20	CASING RADIATED w/#1 Style RA Panel	H	1825	81	69	61	59	55	50	41	68
		M	1540	79	66	59	56	52	46	38	65
		L	1085	72	57	53	49	44	36	34	58
	DUCTED DISCHARGE	H	1825	73	67	62	63	59	57	49	67
		M	1540	70	64	60	60	56	54	46	65
		L	1085	65	57	53	52	49	45	37	58

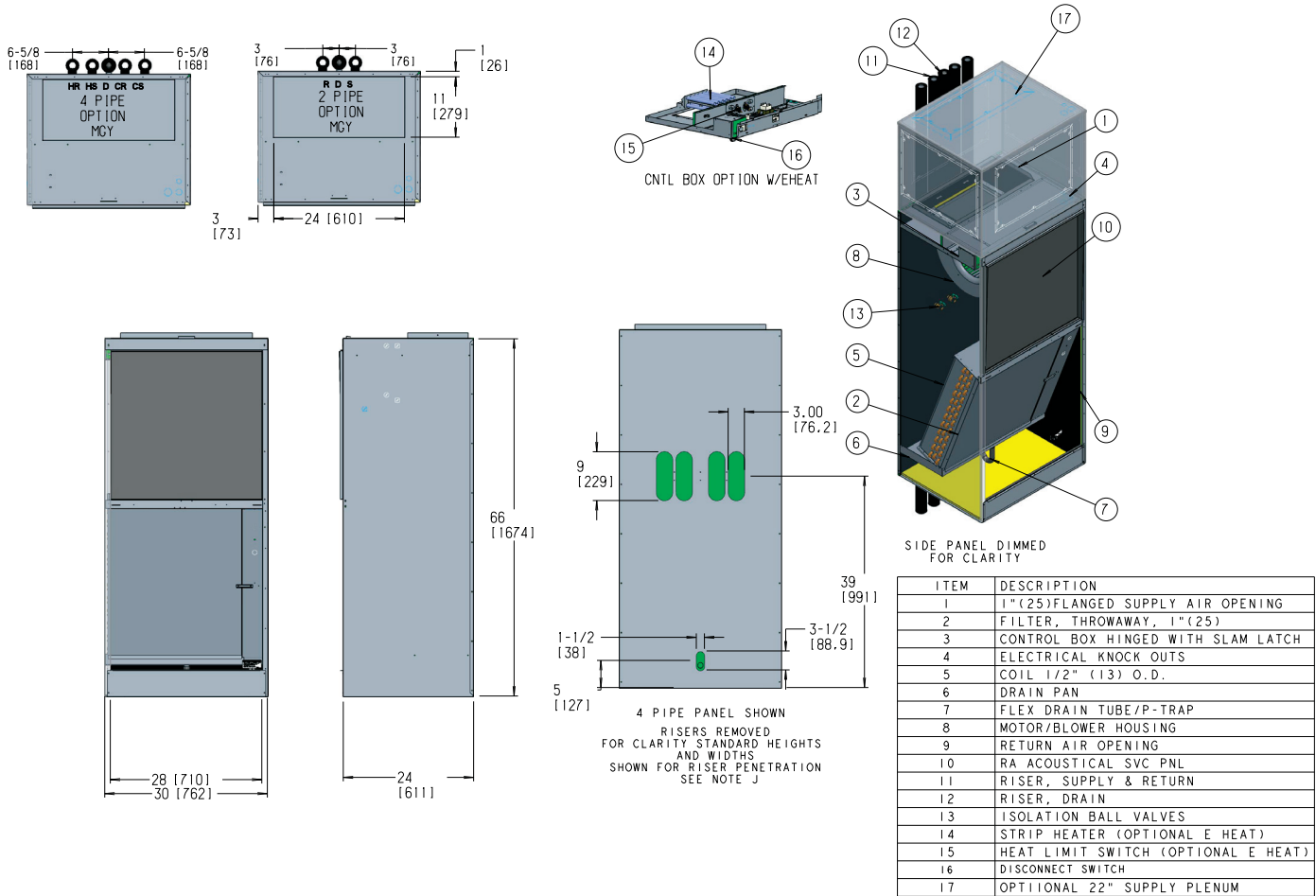
- NOTES: 1. Unit Test Configuration: Front Return/Top Ducted Supply using standard 22" plenum, 4 Row, 14 FPI Coil, 115 VAC Motor, #1 Return Air Panel.
 2. Casing Radiated Testing per AHRI 260-2001: 4.2.2.3 Casing radiated with free inlet, Sound Rating of Ducted Air Moving and Conditioning Equipment.
 3. Ducted Discharge Testing per AHRI 260-2001: 4.2.2.1 Ducted discharge, Sound Rating of Ducted Air Moving and Conditioning Equipment.
 4. Sound power data is expressed in decibels, dB RE: 1 x 10⁻¹² w (picowatts).

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Submittal Data

Model MGY – Concealed (Sizes 14-20)

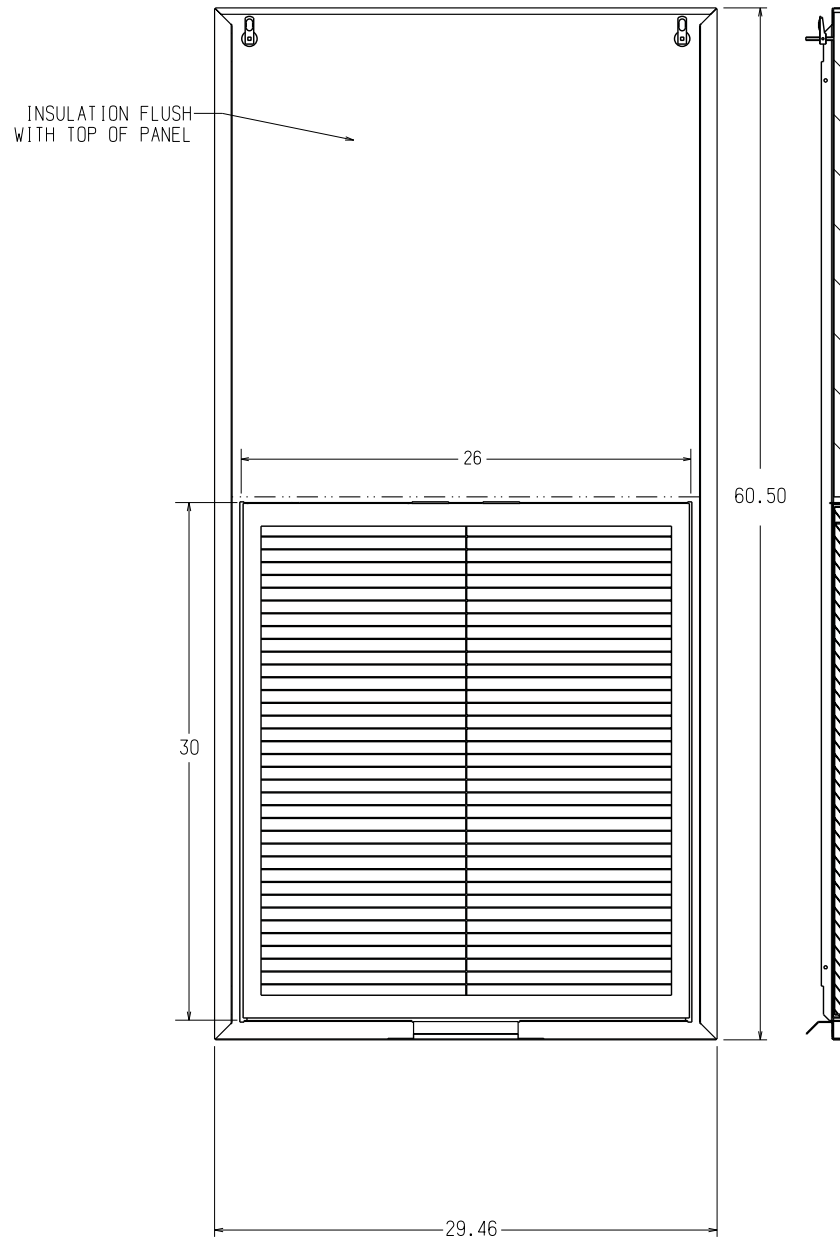


- NOTES:**
- A. Units are fabricated of galvanized steel with a 16 gauge galvanized fan deck.
 - B. All risers are insulated
 - C. Thermostats shipped loose for field installation.
 - D. Risers are factory piped to coil with valves as specified.
 - E. Blower, motor, valves, coil, and filter are accessible through the return air opening.
 - F. Unit and control box are insulated.
 - G. Riser length = [(floor to floor) + 2 inches (51)]. Maximum riser length is 115 inches (2921). Consult riser submittals for specifications.
 - H. Maximum riser diameter is 2-1/2 inches (64). If larger diameters are required, consult the factory.
 - I. Expansion loops in hot water heating circuits are required.
 - J. Slots provided in the back panel for coil connection to permit expansion and contraction of risers. Coil connections to be at the center of the slots.
 - K. See unit arrangements for supply and return air orientation.
 - L. Dimensions are in inches, dimensions in () are in millimeters.

Drawing is provided for reference only.
Dimensions may vary with options ordered.
Consult IEC website for submittal drawings.

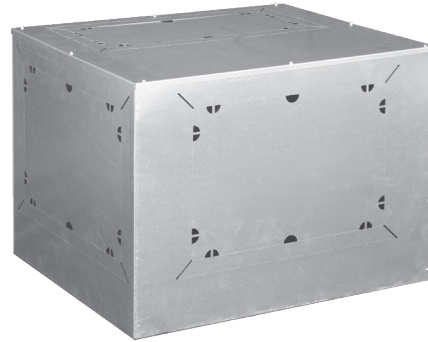
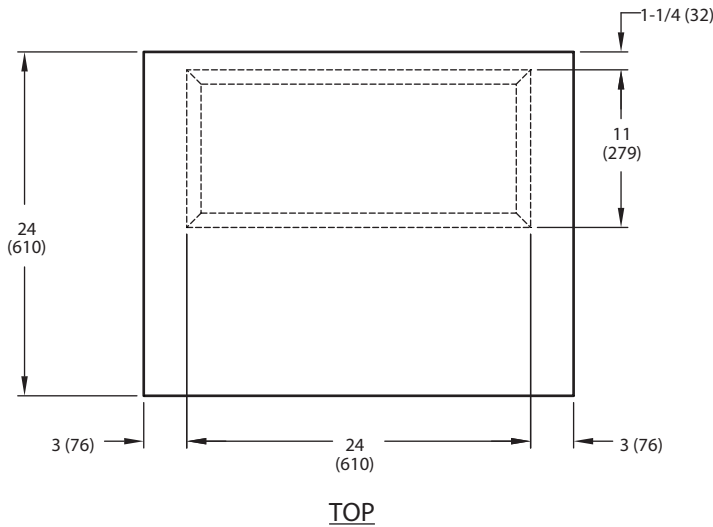
Submittal Data, Cont'd.

Return Air Panel

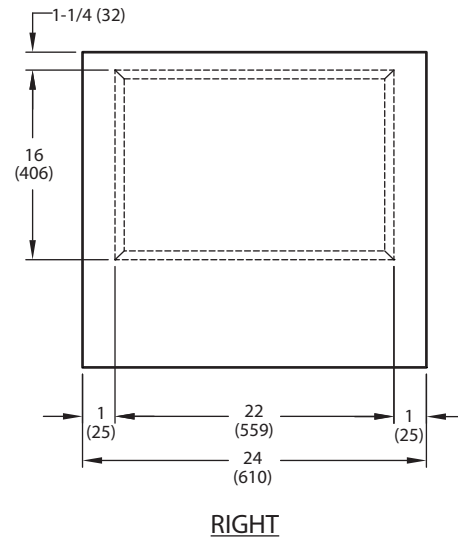
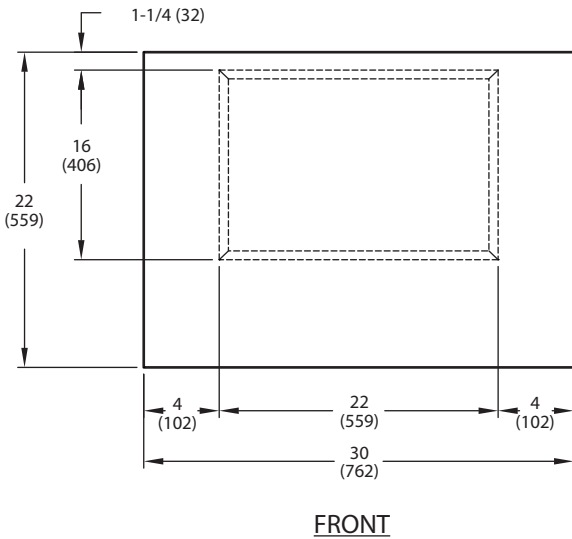


Submittal Data, Cont'd.

Optional Supply Plenum



Drawing is provided for reference only. Dimensions may vary with options ordered. Consult IEC website for submittal drawings.



- NOTES:**
1. Plenum box adds 22" (559) to unit height, adds 26 lbs. to unit weight, and is factory installed.
 2. 1/4" closed cell insulation is standard for the plenum box.
 3. Side supply is 22" (559) x 16" (406) on all four sides.
 4. Top supply is 24" (610) x 11" (279) which matches unit top ducted discharge.

Filters

Unit Size	Nominal 1" Filter Size
	MGY
14	24.5" (622) x 29.5" (749)
16	24.5" (622) x 29.5" (749)
20	26.5" (673) x 29.5" (749)

NOTE: Sizes shown are nominal ordering sizes.

Filter Static Resistance (in w.c.)

Unit Data		Filter Pressure Drop			
Model	Unit Size	Nominal CFM	1" Throwaway	1" Permanent	1" Merv 8
MGY	14	1400	0.064	0.136	0.17
	16	1600	0.071	0.168	0.19
	20	2000	0.079	0.213	0.23

Options and Accessories

Controls

As detailed in the table on page 17, we offer a control for most customer needs. Additional controls and devices are available to meet even the most demanding operating logic.

Three-speed Fan Control

All of our basic control schemes utilize a 2- or 3-speed switch to modulate the cooling output, to maximize the percentage of latent heat removal, and to further minimize the sound level when maximum cooling or heating performance is not required.

Low Voltage Control (24V)

A low voltage control is standard with all of our control schemes.

Condensate Float Switch

This switch shuts down the unit when the water level in the drain pan reaches an unsafe level. Building code changes in many locales now require this type of device.

Service Switches

We offer concealed service switches for use by maintenance and service personnel to shut off the power while working on the unit.

Fusing

We offer incoming power fusing for all units as well as blower motor and control sub-fusing for units that use electric heat. The blower motor and control sub-fusing (single power source wiring) is required when single source power with electric heat is specified.

Thermostat Control Packages



Venture 24V,
Wi-Fi Programmable



Basic 24V Digital
7-Day Programmable and
Non-Programmable Series



Premium 24V Digital
7-Day Programmable/BACnet

Options and Accessories, Cont'd.

Control Package Applications

Unit Type	Control Option	System Type	Changeover Type	W	P	N	F	G
-	Manual Fan	Manual ¹	None	-	-	-	-	-
2-Pipe	Valve Cycle*	Heat Only	None	•	•	•	•	•
		Cool Only	None	•	•	•	•	•
		Heat/Cool	Manual	-	-	-	-	-
			Automatic	•	•	•	•	•
		Heat/Cool with Auxiliary Electric Heat	Manual	-	-	-	-	-
			Automatic	•	•	•	•	•
Cool with Total Electric Heat	Manual	-	-	-	-	-		
	Automatic	•	•	•	•	•		
4-Pipe	Heat/Cool	Manual	-	-	-	-		
		Automatic	•	•	•	•		

NOTE: 1. Fan switch only; no thermostat

Thermostat Features

All listed controls include fan switching.	Control Type ¹				
	W	P	N	F	G
24V, 115V, 208V, 240V, 277V	24V only	24V only	24V only	24V only	24V only
Wi-Fi Enabled	•	-	-	-	-
Mobile and Web App for Remote Control	•	-	-	-	-
Staged Cooling	•	-	-	-	-
Programmable	•	•	-	•	-
Remote Wall Mounted	•	•	•	•	•
Manual Fan Switch Operation	•	•	•	•	•
Auto Fan Speed Control	•	•	•	•	•
Continuous 3-Speed Fan	•	•	•	•	•
Cycling Fan	•	•	•	•	•
O.A Damper Signal	•	•	•	•	•
Remote Temperature Sensor	Opt	Opt	Opt	Opt	Opt
Digital Display & Buttons	•	•	•	•	•
Local Temperature Set-Back	•	•	•	•	•
Water Temperature Purge Cycle	•	•	•	•	•
Proportional Control Valves	-	-	-	•	•
Floating Control Valves	-	-	-	-	-
Pipe Sensor	•	•	•	•	•

NOTES: 1. Control packages with valve cycle are continuous fan operation only.
 2. All wall-mounted control packages are shipped loose for field installation (Boxes, tile rings, plaster rings, etc. are not provided.).
 3. Aquastats are included in control packages, as required.

*LEGEND: P • Basic 24 V Digital, 7-Day Programmable
 N • Basic 24 V Digital, Non-Programmable
 F • Premium 24 V Digital, 7-Day Programmable/BACnet with Proportional Fan/Valves Option
 G • Premium 24 V Digital BACnet with Proportional Fan/Valves Option
 W • Venture 24 V Wi-Fi Programmable

Eco-telligent® Motor

Interface Options	Standard Package	Applied Package	Proportional Package
Speed Control	3 discrete speeds (H, M, L)	3 discrete speeds (H, M, L)	Proportional Airflow
Compatible With:	Thermostat or controller with 1 to 3 discrete speed outputs	Thermostat or controller with 1 to 3 discrete speed outputs	Thermostat or DDC controller with a 0-10 VDC or 4-20mA fan output
Field Airflow Adjustment	Jumpers provide 4 different predetermined airflow settings per speed	Adjustable rheostats allow each speed to be set anywhere in the unit's operating range	Controller is able to set fan to any speed in motor's operating range

Options and Accessories, Cont'd.

Features and Options	Standard	Factory Installed Option	Field Installed Option	Factory Special Quote
Air Flow Arrangement				
Front Return	X			
Bottom Return		X		X
Supply - Top	X			
Discharge Plenum (Field Configurable Supply Openings)		X		
Paint Options (Return Air Panel, Supply Air Grille)				
Arctic White	X			
Polar White, Flat Black, Ermine Gray, Champagne Beige, Toffee Brown		X		
Special Color				X
Coils				
4-Rows 2-Pipe	X			
3-Rows, 5-Rows, 2-Pipe		X		
3/1, 3/2, or 4/1-Rows CW/HW		X		
Manual Air Vent	X			
Automatic Air Vent		X		
Drain Pan				
Stainless Steel Externally Coated with a 2 part closed cell foam	X			
Removable Drain Pan		X		
Fin Material				
Aluminum w/Galvanized End Sheets	X			
Aluminum w/Stainless End Sheets		X		
Copper w/Stainless End Sheets & Bottom Coil Baffle		X		X
Nickrome Wire Strip Electric Heater				
Indoor Air Quality				
1" Throwaway Nonwoven Synthetic	X			
1" Pleated MERV 8		X		
Bipolar Ionizer		X		
Insulation				
1/2" Standard Fiberglass	X			
1/2" Premium IAQ Fiberglass, Sealed Edges		X		X
1/2" Foil Face, Taped Edges		X		
1/4" Closed Cell		X		
Motor Type				
EC Motor	X			
Motor Voltage				
120/1/60	X			
208/230/277/1/60		X		
Supply Grilles				
Double Deflection, Aluminum or Arctic White Supply Grille			X	
Double Deflection, Aluminum or Arctic White Supply Grille w/Opposed Blade Dampers			X	
Custom Painted Supply Grille			X	X
Return Air				
Acoustical Service Access Panel	X			
Standard Panel with Arctic White Linear Grille			X	
Custom Return Air Panel			X	X

table continued on next page

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Options and Accessories, Cont'd.

Features and Options	Standard	Factory Installed Option	Field Installed Option	Factory Special Quote
Risers				
Risers Shipped Loose			X	
Flex Hoses		X	X	
Riser Length (Up to 119")	X			
Riser Diameter (3/4"-3") Chilled or Hot Water			X	
Riser Diameter (1", 1-1/4") Condensate Drain			X	
Custom Risers			X	X
Closed Cell Riser Insulation				
1/2"	X			
3/4"		X		
Fiberglass Riser Insulation				
Riser/Drain Material				
Type M Copper			X	
Type L Copper			X	
Riser Extension (M or L)			X	
Controls				
Interlocking Disconnect		X		
Single Point Power Connection		X		
Incoming Power Fusing (Required for Electric Heat)		X		
24V Controls	X			
Condensate Float Switch		X		
Thermostats			X	
Wall/Remote Mounted			X	
Special Control (DDC)		X		X
Make-Up Air Dampers				
Manual Controlled Damper		X		
Motorized Controlled Damper		X		X
Valve Package Options* (* Valve packages are assembled at the factory but field installed.)				
Union Connections at the Coil			X	
24" Braided Hoses			X	
Ball Valves			X	
2-Way/3-Way 25 psi Control Valve			X	
2-Way/3-Way 150 psi, Normally Closed, Control Valve			X	
2-Way/3-Way 150 psi, Normally Open, Control Valve			X	
2-Way/3-Way 35 psi Floating Control Valve			X	
2-Way/3-Way 35 psi Proportional Control Valve			X	
Combination Supply/Return Valves			X	
Fixed Flow Control 1.0-8.0 GMP			X	
Y-Strainer/Y-Strainer with Blowdown			X	
P-T Ports			X	
Circuit Setter			X	
Balance Valve (Return Line)			X	
Balance Valve (3-Way Bypass)			X	

Options and Accessories, Cont'd.

Bipolar Ionizer Specifications

SPECIFICATIONS:

Airflow Capacity: 2,400 CFM
 Pressure Drop: Less than 0.01 In. WG
 Housing Material: ABS
 Weight: 0.2 lbs.
 Maximum Operating Temperature: 200° F (93°C)
 Electrical:
 Voltage: 24V AC (602)
 Power Consumption: Less than 1 watt
 Frequency: 50/60 hertz
 Over Current Protection:.. 500mA Glass Cartridge Fuse
 Lead Wires 50"(L)

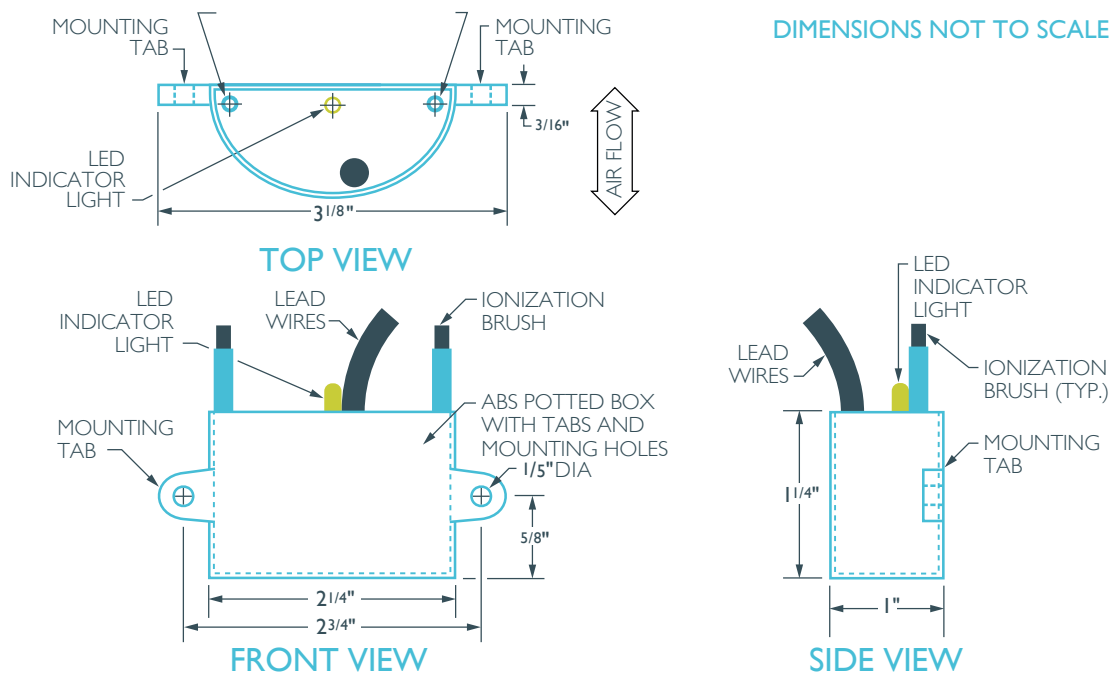
Ionization Output:

Mode of Operation Needlepoint Type
 Needle Configuration: Brush Type

DIMENSIONS: See Figure 1

APPROVALS: Intertek/ETL Standard UL 867

Figure 1.



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Contact your local IEC Sales Representative for further details and pricing applicable to this product. Visit our website (iec-okc.com) to find your local IEC Sales Rep.

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