

HVAC Guide Specifications

Fan Coil Unit

Modular Cabinet Model, Ducted

HVAC Guide Specifications

Size Range: **800 to 8000 Nominal CFM**

MagicAire Model Number: **BM**

Part 1 — General

1.01 SYSTEM DESCRIPTION

Horizontal, 2-pipe or 4-pipe, belt-driven fan coil unit. External parts are to be made with polyurethane based powder coated galvanealed, while internal parts are to be built from heavy gauge galvanized steel casing model fan coil unit for ducted installation above the ceiling, with full access to internal components.

1.02 QUALITY ASSURANCE

Each coil shall be factory tested for leakage at minimum of 450 psig air pressure with coil submerged in water. Insulation and adhesive shall meet NFPA-90A requirements for flame spread and smoke generation.

1.03 DELIVERY, STORAGE AND HANDLING

Unit shall be handled and stored in accordance with the manufacturer's instructions.

Part 2 — Products

2.01 EQUIPMENT

A. General:

Factory-assembled, horizontal return air, modular discharge air, draw-thru type fan coil unit suitable for ducted installation above the ceiling or exposed. Unit shall be complete with water, DX or steam coil(s); fan(s); motor; belt drive; drain pan; and filters. 8 rows of coil total, maximum.

(Optional) Horizontal configuration for sizes 16-80.

B. Casing:

Construction shall be heavy gauge galvanized steel, painted with baked on polyurethane based powder coating, colored beige, lined with 3/4-in. thick fiberglass Tufskin II® thermal/acoustical insulation. Supply and return duct connections shall be approx. one inch long. Removable side panels shall be provided for access to the fan/motor assembly. Drainpans shall have 3/4-in FPT connection. BM 16-80 drainpans shall be galvanized steel, extending under the full length and width of the coil(s). BM 08 & 12 standard drain pans are Type 304 stainless steel coated with Aquaban.

(Optional) Stainless steel drain pan for sizes BM 16-80.

C. Fans:

Belt-driven, double-width fan wheels shall have forward-curved blades and be statically and dynamically balanced. Fan drive shall consist of variable-pitch motor pulley, fixed-pitch fan pulley and V-belt. Fans and scrolls shall be of galvanized steel.

D. Coils:

Unit shall be equipped with a standard capacity (3) or (4)-row CW/HW or DX coil for installation in a 2-pipe system. Additional coils shall be provided for installation in a 4-pipe system. Water coils shall have 3/8-in. (sizes 08-20) and 1/2-in. (sizes 30-80) copper tubes with aluminum fins bonded to the tubes by mechanical expansion. Coil(s) shall have a minimum working pressure of 400 psig at 200 F. Each coil shall have sweat connections for copper tubes. Water coil(s) shall have manual air vent(s).

E. Operating Characteristics:

A single-circuit coil unit installed in a 2-pipe CW/HW system shall be capable of providing heating or cooling. DX coils are suitable for R-22 or R-410A. A two coil unit installed in a 4-pipe system shall be capable of providing sequenced heating and cooling as determined by the controls provided by others.

F. Motor(s):

Fan motors shall be open, drip-proof, single-speed, 60 Hz, 1750 rpm single or 3-phase, suitable for continuous duty at 104-deg F (40 C) in 115, 208, 230, or 277 volts (60 Hz). Three-phase motors are available in 208, 230, or 460 volts (60 Hz). Single-phase motors shall be provided with resilient mount. Three-phase 575 volt motors are by others.

G. Filters:

- a. 2" throwaway filter(s) shall be installed in the unit.
- b. (Optional) 2" pleated filter(s), MERV-7, shall be installed as indicated on the equipment schedule.

H. Insulation:

- a. Units shall be equipped with 3/4-in thick, 1.5-lbs/ft³ Tufskin II®
- b. (Optional) Units shall be equipped with 1-in. thick, 1.5-lbs/ft³, Exact-O-Kote® IAQ insulation.
- c. (Optional) 3/4" closed cell insulation.

I. Coil Options:

- a. Unit shall be equipped with a high-capacity coil for installation in a 2-pipe system.
- b. For installation in a 4-pipe CW/HW system, unit shall be equipped with either a 4-row cooling/2-row hot water heating coils, or 4/4, 6/2 or 6/4 coils as required with 10 rows maximum total rows. 1-row HW coil available in sizes 08-12.
- c. Unit shall be equipped with either a standard capacity DX (direct expansion) cooling coil or a high capacity (single or split face) DX cooling coil as required.
- d. For installation in a 4-pipe system the unit shall be equipped with either a 3 or 4-row DX cooling/2-row heating coil or a 3 or 4/2, 3 or 4/4, 6/2 or 6/4 coils as required with 10 rows maximum total rows. (Note: Use of DX cooling with Hot water coil re-heat requires field supplied and installed heating coil low limit). 1-row HW coil available in sizes 08-12.
- e. Provide High or Standard capacity steam distributing coil.

Optional Accessories:

- a. Mixing Boxes shall include low leak damper assemblies constructed of steel channel frames with 18 gauge galvanized steel blades, die formed stiffeners with stops. Vinyl blade seals or equivalent to reduce leakage shall be standard. All hardware shall be zinc plated with brass pivot points and bronze oilite bearings. Shafts shall be corrosion resistant steel. Mixing box shall be fully insulated with 3/4-in. Tufskin II® insulation.

Optional - Provide actuators suitable for field mounting for (1) 3-position or (2) fully modulating control packages.

- b. Units to be provided with ETL listed motor start stop station with 24v transformer, terminal strip and interlocking on-off switch with lockout/tagout capability. Motors without thermal overload will have motor starters with overload protection.
- c. Provide discharge grille plenum with 4-way double deflection grille, painted with baked on polyurethane based powder coating, colored beige, lined with 3/4-in. thick fiberglass Tufskin II® thermal/acoustical insulation.
- d. Provide return air grille.
- e. Provide 6" leg kits.
- f. Provide return air grille with baked on polyurethane based powder coating, colored beige.

BMB Physical Data

Model BMB		08	12	16	20
Nominal Capacity (Tons)		2	3	4	5
Nominal Capacity (BTUH)		24000	36000	48000	60000
Nominal Airflow (CFM)		800	1200	1600	2000
Fan					
Fan Size		90-6R		100-10R	
Pre-Filter					
Quantity / Nominal size (in)	2" Pleated (MERV 3)	16 X 32 (qty 1)		20 X 25 (qty 2)	
	2" Pleated (MERV 8)				
			-	-	
Coil Face Area					
Face Area-Hydronic (sq ft.)	1- Row	1.60	2.40	-	-
	2- Row			4.20	5.21
	4- Row	2.00	3.10		
	6- Row				
Face Area-DX (sq ft.)					5.00
Face Area-Steam Heating (sq ft.)		2.86		4.06	
Coil Rows/FPI					
Hot Water/2-Pipe - 1 row		1/10		-	-
Hot Water/2-Pipe - 2 row		2/10			
Chilled Water/2-Pipe - 4 row		4/10			
Chilled Water/2-Pipe - 6 row		6/10			
Std Capacity Steam	(See Note 1)	1/6			
High Capacity Steam		1/14			
Std Capacity DX		3/10	4/12	4/10	
High Capacity DX		6/10			
Max Coil Rows		8			
Coil Connections (in)					
Chilled Water (OD Copper Tube)	4-Row	0.750	0.850	1.125	
	6-Row	0.875		1.125	
Hot Water (OD Copper Tube)		0.625		1.125	
Steam-Std Cap-Supply/Return (MPT)		1/1.5		2/2	
Steam-High Cap-Supply/Return (MPT)					
Std Cap DX	Liquid (OD Sweat)	0.500			
	Suction (OD Sweat)	0.875	1.125	0.875	1.125
High Cap DX	Liquid (OD Sweat)	0.500			
	Suction (OD Sweat)	0.750	0.875	0.875	1.125
Condensate Drain Line					
Primary & Auxiliary		3/4" FPT			
Coil Volume					
Hot Water - 1 row (gal)		0.17	0.26	-	-
Hot Water - 2 row (gal)		0.34	0.51	0.90	1.12
Chilled Water/2-Pipe - 4 row (gal)		0.57	0.93	1.80	2.24
Chilled Water/2-Pipe - 6 row (gal)		0.91	1.39	2.69	3.37
Std Capacity DX	(cu in) (note 2)	160.37	291.58	291.58	349.90
High Capacity DX		320.74	437.37	437.37	524.84
Component Weights (lbs) by size					
Fan & Cabinet		120	120	138	138
1 Row Water		4	6	-	-
2 Row Water		-	-	20	26
4 Row Water		-	-	41	52
6 Row Water		-	-	60	75
Std Cap DX		11	20	26	31
High Cap DX		15	29	39	46

Notes:

1. Steam coils are 1-row, 5/8" tube-in-tube steam distributing type construction. When calculating total rows of coil for the unit, these count as 2 rows.
2. For dual circuit coils, volume per circuit is half of that listed.
3. Not all combinations equaling 10 rows are allowed. Please refer to New Magic 4 Software for permissible selections.

BMB Physical Data

Model BMB		30	40	60	80
Nominal Capacity (Tons)		7.5	10	15	20
Nominal Capacity (BTUH)		90000	120000	180000	240000
Nominal Airflow (CFM)		3000	4000	6000	8000
Fan					
Fan Size		150-9R		(2) 150-12R	
Pre-Filter					
Quantity / Nominal size (in)	2" Pleated (MERV 3)	16 X 25 (qty 4)		16 X 20 (qty 2) 16 X 25 (qty 2) 20 X 20 (qty 2) 20 X 25 (qty 2)	
	2" Pleated (MERV 8)				
			-		
Coil Face Area					
Face Area-Hydronic (sq ft.)	1- Row	-	-	-	-
	2- Row	6.94	8.33	12.50	17.50
	4- Row				
	6- Row				
Face Area-DX (sq ft.)		6.67			
Face Area-Steam Heating (sq ft.)		6.67			
Coil Rows/FPI					
Hot Water/2-Pipe - 1 row		-	-	-	-
Hot Water/2-Pipe - 2 row		2/10			
Chilled Water/2-Pipe - 4 row		4/10			
Chilled Water/2-Pipe - 6 row		6/10			
Std Capacity Steam	(See Note 1)	1/6			
High Capacity Steam		1/14			
Std Capacity DX		4/10	4/12		
High Capacity DX		6/12			
Max Coil Rows		8			
Coil Connections (in)					
HW/Chilled Water (OD Cop- per Tube)	4-Row	1.125	1.375		1.625
	6-Row	1.375	1.625		
Hot Water (OD Copper Tube)		2-Row	1.125		
Steam-Std Cap-Supply/Return (MPT)		2/2			
Steam-High Cap-Supply/Return (MPT)					
Std Cap DX	Liquid (OD Sweat)	0.625	0.625	(2) 0.625	(2) 0.625
	Suction (OD Sweat)	1.125	1.375	(2) 1.125	(2) 1.375
High Cap DX	Liquid (OD Sweat)	0.625	0.625	(2) 0.625	(2) 0.625
	Suction (OD Sweat)	1.125	1.375	(2) 1.125	(2) 1.375
Condensate Drain Line					
Primary & Auxiliary		3/4" FPT			
Coil Volume					
Hot Water - 1 row (gal)		-	-	-	-
Hot Water - 2 row (gal)		1.50	1.80	2.69	3.81
Chilled Water/2-Pipe - 4 row (gal)		2.99	3.59	5.39	7.63
Chilled Water/2-Pipe - 6 row (gal)		4.49	5.39	8.08	11.44
Std Capacity DX	(cu in)	466.53	583.16	437.37 per ckt	699.79 per ckt
High Capacity DX	(note 2)	174.95	874.74	1166.32 per ckt	1866.11 per ckt
Component Weights (lbs) by size					
Fan & Cabinet		205	205	330	330
1 Row Water		-	-	-	-
2 Row Water		33	40	59	83
4 Row Water		70	79	117	166
6 Row Water		99	119	176	249
Std Cap DX		40	55	80	112
High Cap DX		61	82	151	212

Notes:

1. Steam coils are 1-row, 5/8" tube-in-tube steam distributing type construction. When calculating total rows of coil for the unit, these count as 2 rows.
2. For dual circuit coils, volume per circuit is half of that listed.
3. Not all combinations equaling 10 rows are allowed. Please refer to New Magic 4 Software for permissible selections.

MODEL NOMENCLATURE

Position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Example	B	M	B	2	0	A	B	A	A	H	2	M	G	3	1	L	1	A	A	A	A	A	M

Belt Drive Modular

Generation

Unit Size
2 through 20 Tons
(800 through 8000 CFM)

Discharge Air Arrangement	
Blower	Coil
Vertical	Upflow
	Downflow
	Horizontal
Horizontal	Upflow
	Downflow
	Horizontal

Primary Coil
4 or 6-Row CHW/2-Pipe or Std
Cap DX or High Cap DX (single or
dual circuit)

Coil Treatment
Phenolic Coating
Stainless Steel Coil Casings

TXV
1-20 tons

Secondary Coil
1, 2, 4, or 6-Row HW, Steam,
Accessory Electric Heat

Coil Arrangement
Multiple arrangements available: Right
Hand, Left Hand, Preheat and Reheat,
Opposite Hand Connections

Use our New Magic 4 Selection
Software for:

- exact unit model selection
- performance data
- submittal information

(visit www.magicaire.com)

Drain Pan
Galvanized or
Stainless Steel

Control Options
J-box
Motor Start/Stop Station

Insulation
3/4" FG "Tufskin II"
1" IAQ Fiberglass
3/4" Foil Faced Closed Cell

Filter
2" Throwaway MERV 3
2" Pleated MERV 8

Motor & Voltage
Numerous motor selections
including NEMA Premium 3-
phase inverter-ready.

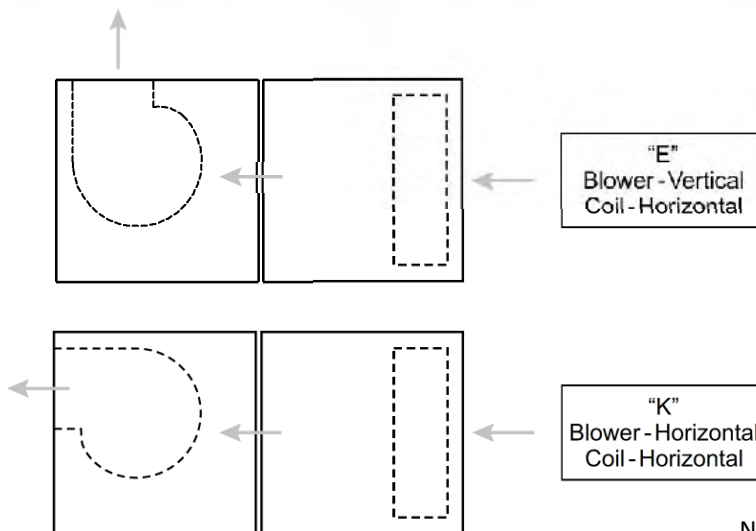
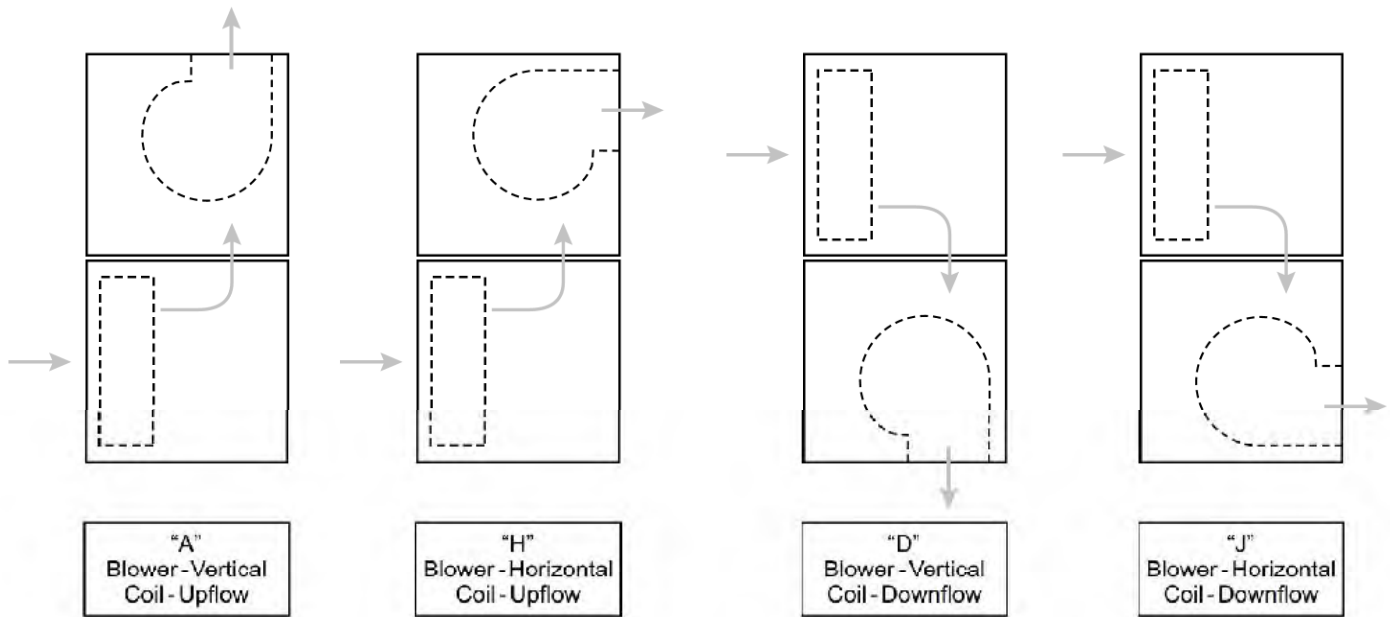
TSP
0 - 2.5", varies by selection

CFM
800 - 8,000 CFM

Power Supply (60Hz)
115V/1ph
208-230V/1ph
277V/1ph
208-240V/3ph
460V/3ph
575V/3ph

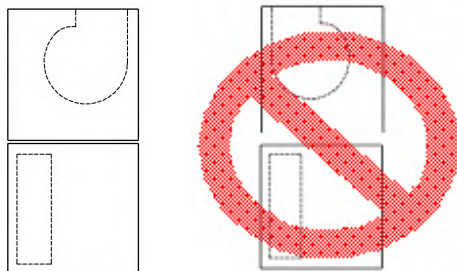
BM Series Discharge Air Arrangements

DISCHARGE AIR ARRANGEMENTS



CAUTION!

CAUTION: Deviating from the factory-designed configurations in on this page may result in improper or unacceptable operation including inadequate airflow, fan vibration, fan noise, or condensate carryover (blowoff).



NOTES:

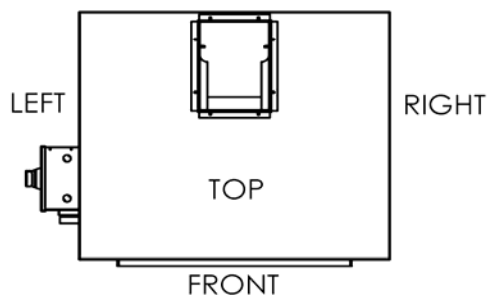
1. Refer to Nomenclature "code string" for discharge air arrangement selections.
2. Diagrams indicate general arrangement of coil and blower sections.
3. Arrows indicate airflow direction.
4. Refer to dimensional drawings for details and connections.
5. Unit Size 08 and 12 available in arrangements A and D only.

08/12 BMB COIL SECTION CONFIGURATIONS AS DEFINED BY REFERENCE CODE

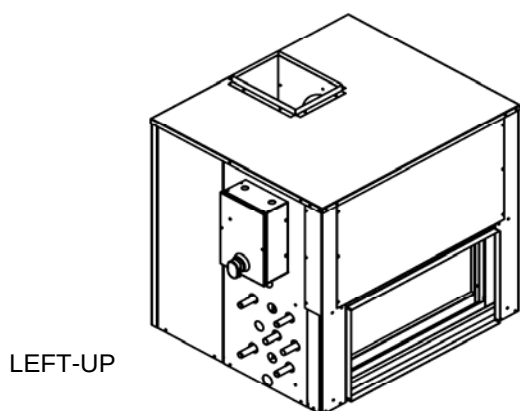
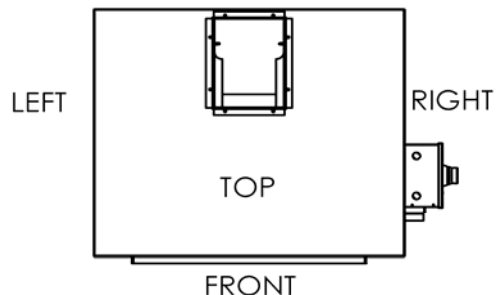
MODEL	DISCHARGE CODE	COIL CONF CODE	MANUFACTURING COIL CONFIGURATION	BLOWER DISCHARGE	REFERENCE
08/12	A	A,R	RIGHT	UP	RIGHT-UP
08/12	A	L,S	LEFT	UP	LEFT-UP
08/12	D	A,R	LEFT	DOWN	LEFT-DN
08/12	D	L,S	RIGHT	DOWN	RIGHT-DN

NOTE: COIL CONFIGURATION IS "MANUFACTURING" COIL CONFIGURATION AS DEFINED WITH THE BLOWER DISCHARGE IN UPWARD POSITION. IN THE CASE OF DOWNFLOW A CODESTRING (CUSTOMER) COIL HAND CONFIGURATION IS OPPOSITE OF THE "MANUFACTURING" CONFIGURATION. IN THE CASE OF DOWNFLOW, THE DRAIN PAN IS MOVED TO TOWARD THE CENTER OF THE CABINET AND ROTATED. THE COILS DO NOT CHANGE.

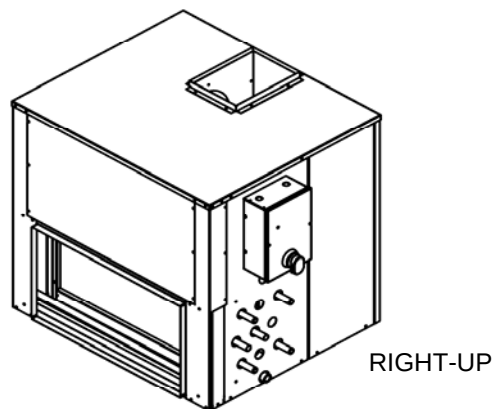
LEFT HAND CONFIGURATION



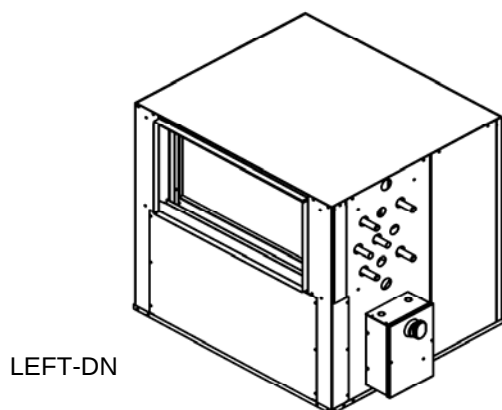
RIGHT HAND CONFIGURATION



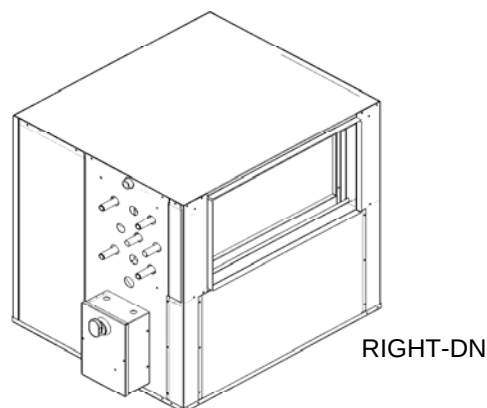
SHOWN AS A LEFT HAND UNIT IN UPFLOW
MANUFACTURED AS LEFT HAND UNIT



SHOWN AS A RIGHT HAND UNIT IN UPFLOW
MANUFACTURED AS RIGHT HAND UNIT



SHOWN AS A RIGHT HAND UNIT IN DOWNFLOW
MANUFACTURED AS LEFT HAND UNIT

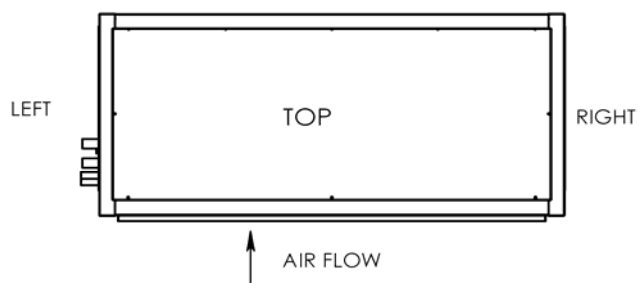


SHOWN AS A LEFT HAND UNIT IN DOWNFLOW
MANUFACTURED AS RIGHT HAND UNIT

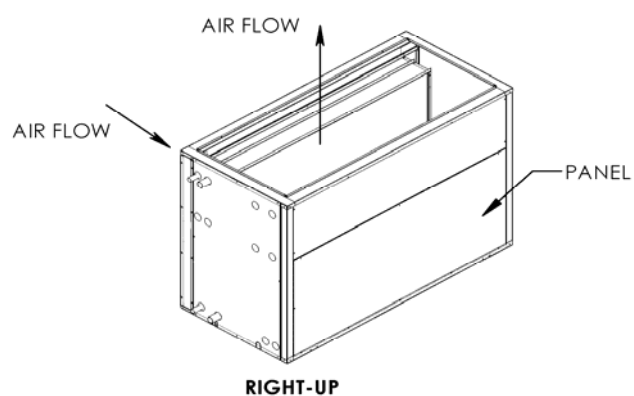
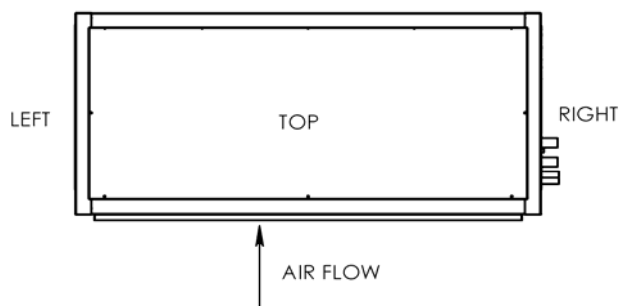
16/80 BMB COIL SECTION CONFIGURATIONS AS DEFINED BY REFERENCE CODE

MODEL	DISCHARGE CODE	COIL CONF CODE	MANUFACTURING COIL CONFIGURATION	COIL SECTION DISCHARGE	REFERENCE
16/80	A,H	A,R	RIGHT	UP	RIGHT-UP
16/80	A,H	L,S	LEFT	UP	LEFT-UP
16/80	D,J	A,R	RIGHT	DOWN	RIGHT-DN
16/80	D,J	L,S	LEFT	DOWN	LEFT-DN
16/80	E,K	A,R	RIGHT	HORIZONTAL	RIGHT-HOR
16/80	E,K	L,S	LEFT	HORIZONTAL	LEFT-HOR

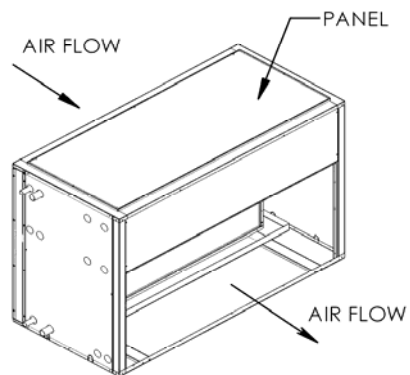
LEFT HAND CONFIGURATION



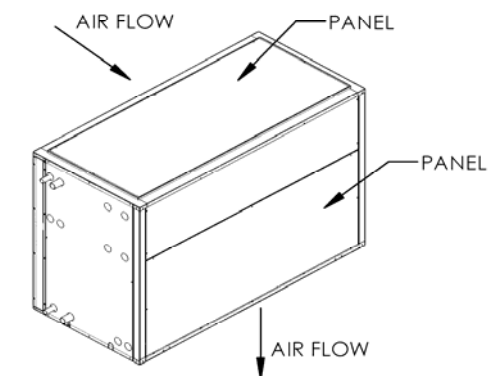
RIGHT HAND CONFIGURATION



RIGHT-UP



RIGHT-HOR

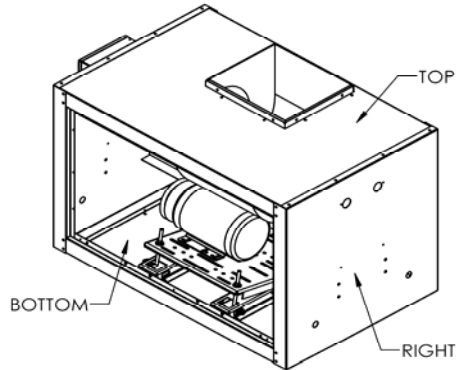
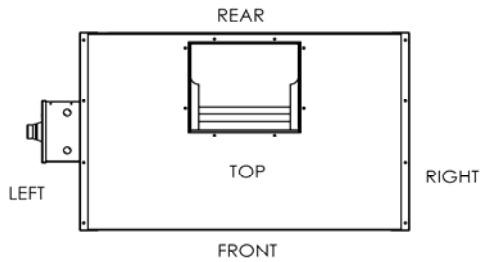


RIGHT-DN
ONE ADDITIONAL PANEL SUPPLIED
SPECIAL DOWNFLOW BOTTOM PANEL

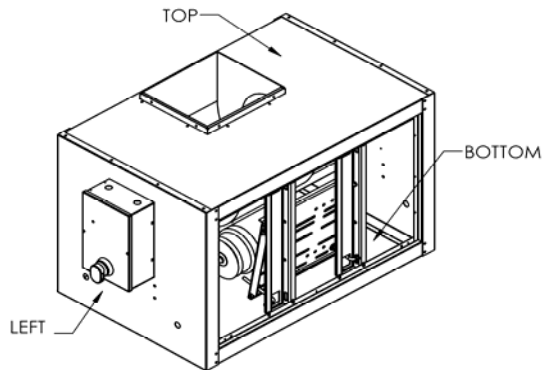
16/80 BMB BLOWER CONFIGURATIONS AS DEFINED BY REFERENCE CODE

DISCHARGE CODE	COIL CONFIGURATION	REFERENCE	BLOWER CONFIGURATION	MOTOR MOUNT POSITION	MOTOR SHAFT ROTATION LOOKING AT END OPPOSITE OF SHAFT	ENTRANCE DUCT
A	RIGHT	R-B-CW-B	RIGHT	BOTTOM	CCW	BOTTOM
D	RIGHT	L-F-CCW-B	LEFT	FRONT	CCW	BOTTOM
E	RIGHT	R-F-CW-F	RIGHT	FRONT	CW	FRONT
H	RIGHT	L-F-CCW-F	LEFT	FRONT	CCW	FRONT
J	RIGHT	R-B-CW-F	RIGHT	BOTTOM	CW	FRONT
K	RIGHT	L-B-CCW-B	LEFT	BOTTOM	CCW	BOTTOM
A	LEFT	L-B-CCW-B	LEFT	BOTTOM	CCW	BOTTOM
D	LEFT	R-F-CW-B	RIGHT	FRONT	CW	BOTTOM
E	LEFT	R-F-CW-R	RIGHT	FRONT	CW	REAR
H	LEFT	R-F-CW-F	RIGHT	FRONT	CW	FRONT
J	LEFT	L-B-CCW-F	LEFT	BOTTOM	CCW	FRONT
K	LEFT	L-B-CCW-B	LEFT	BOTTOM	CCW	BOTTOM

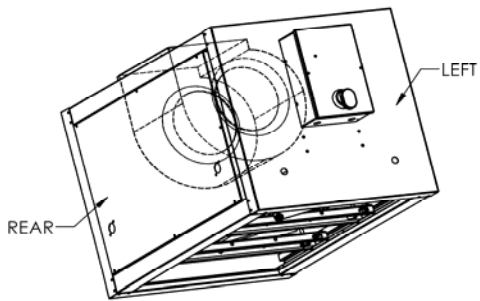
LEFT HAND CONFIGURATION



SHOWN AS L-B-CCW-F

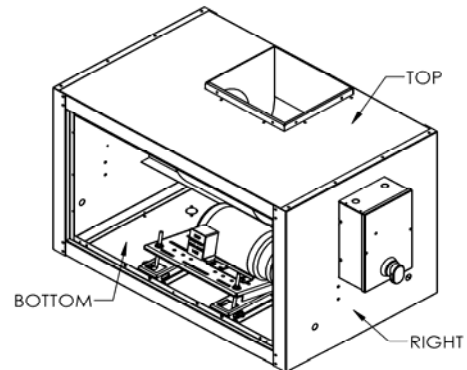
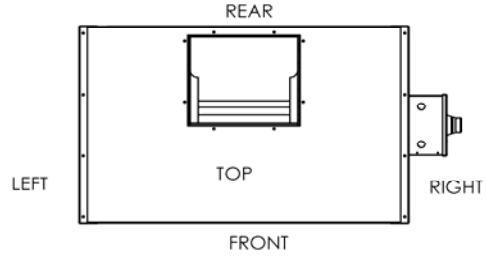


SHOWN AS L-F-CCW-F

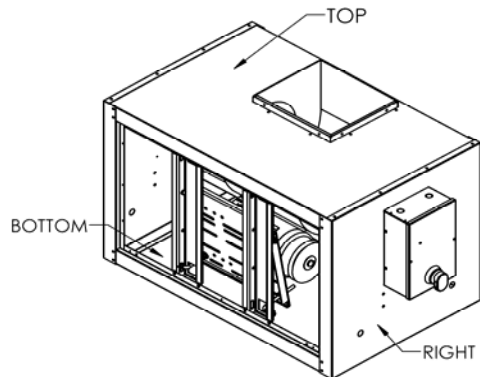


SHOWN AS L-B-CCW-B

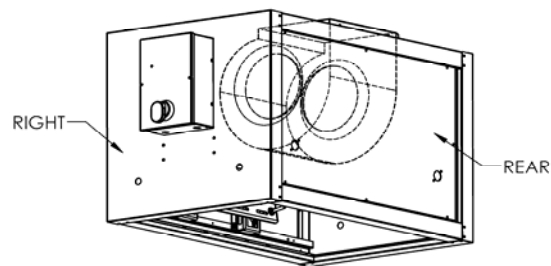
RIGHT HAND CONFIGURATION



SHOWN AS R-B-CW-F



SHOWN AS R-F-CW-F



SHOWN AS R-F-CW-B

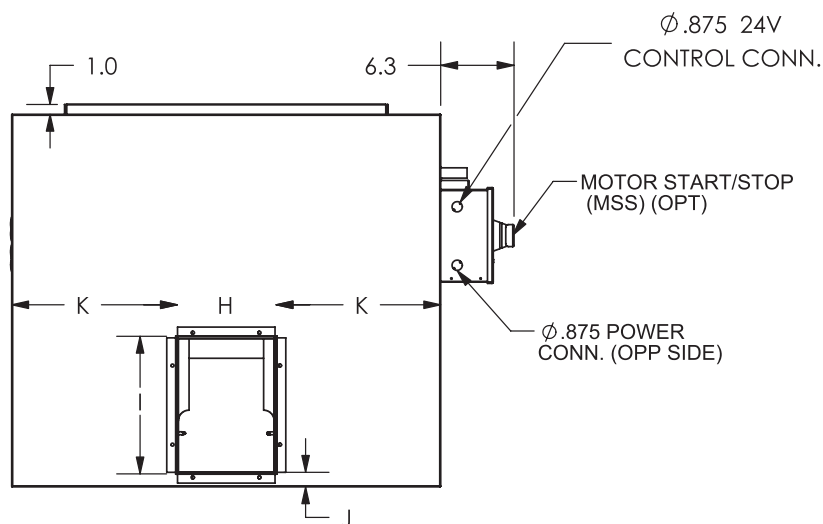
Technical drawing of a filter assembly. The drawing shows a cross-section of the assembly. Key components and dimensions are labeled:

- Dimensions:**
 - A:** Total width of the assembly.
 - D:** Width of the filter element.
 - E:** Height of the filter element.
 - F:** Thickness of the top frame.
 - G:** Thickness of the side frame.
 - B:** Total height of the assembly.
 - 1.0:** Width of the base frame.
 - 1.9:** Width of the base frame.
 - 12.5:** Height of the side frame.
- Components:**
 - FILTER:** The central rectangular component.
 - ACCESS PANEL:** The large rectangular component below the filter.

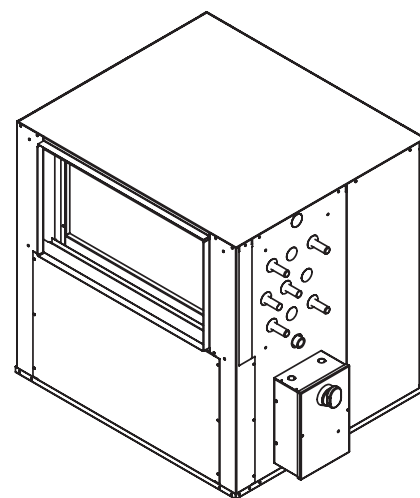
Diagram illustrating the rear panel layout of the 1000 Series Chiller, showing dimensions and component locations:

- Dimensions:**
 - Overall width: C
 - Overall height: M
 - Top section height: L
 - Right side panel width: N
 - Distance from left edge to power connector: 6.2
 - Distance from left edge to drain: 18.4
 - Distance from left edge to bottom panel: 8.2
- Labels and Components:**
 - FILTER ACCESS:** Located at the top left.
 - AIR FLOW:** Indicated by an arrow pointing right.
 - CW/HW RETURN AREA:** Located in the upper middle section.
 - CW/HW SUPPLY AREA:** Located in the lower middle section.
 - 3/4" FPT DRAIN:** Located on the left side, below the CW/HW areas.
 - .875 $\varnothing$ POWER CONN. 4 X 4 J-BOX (W/O MSS):** Located at the bottom left.
 - ACCESS PANEL:** Located on the right side.

RIGHT VIEW



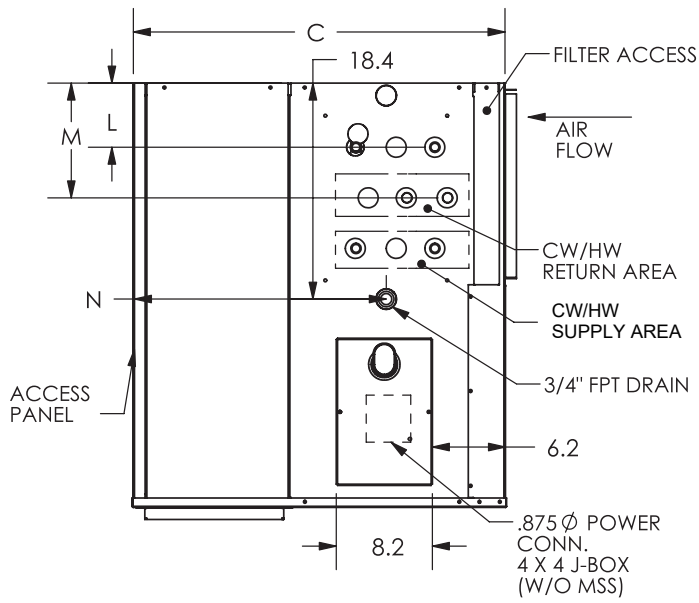
BOTTOM VIEW



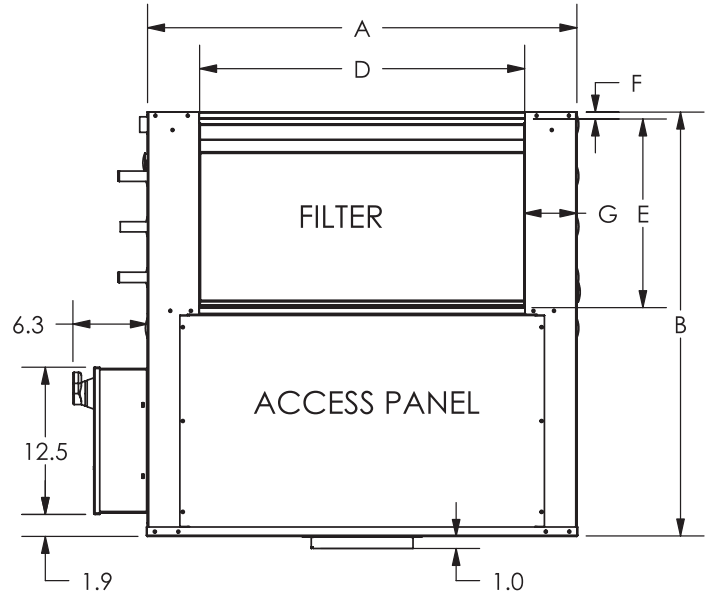
NOTE: HAND CONNECTIONS DEFINED AS LOOKING AT THE FILTERS IN THE DIRECTION OF AIRFLOW.

07-13-22

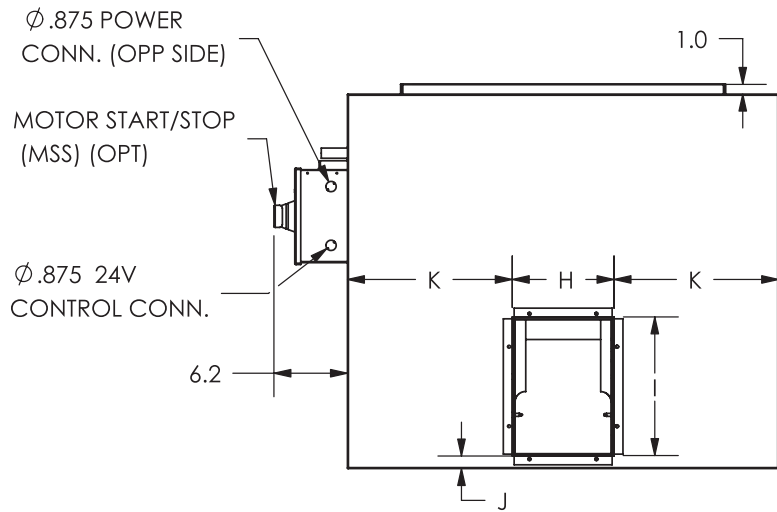
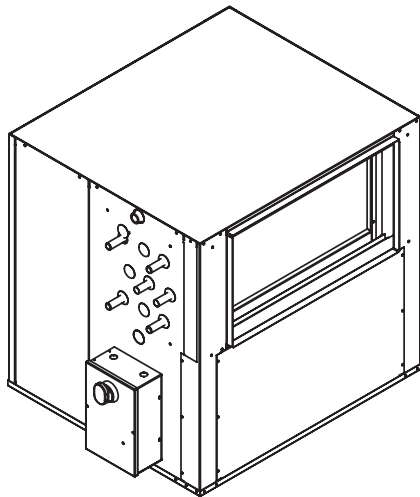
BMB-8/12 Unit LH Conn.- Inlet/Disch Arrangement D - CW



LEFT VIEW



REAR VIEW



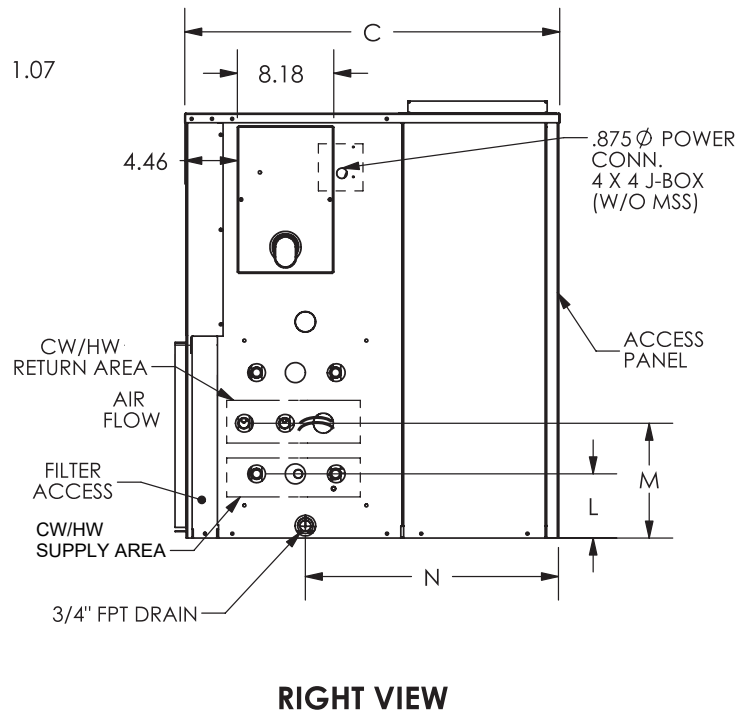
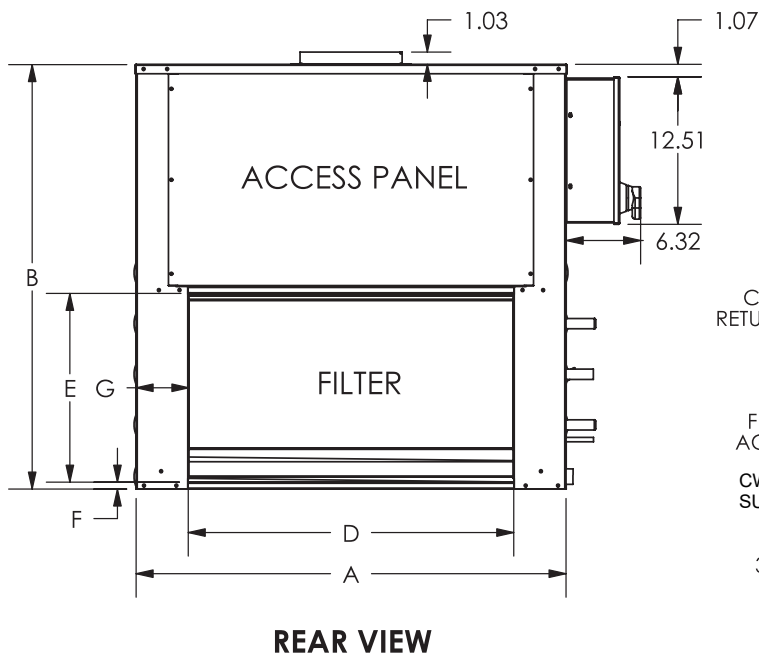
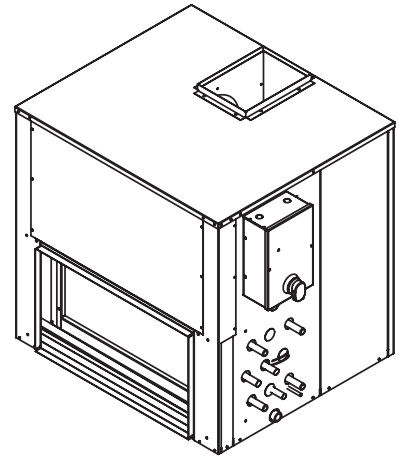
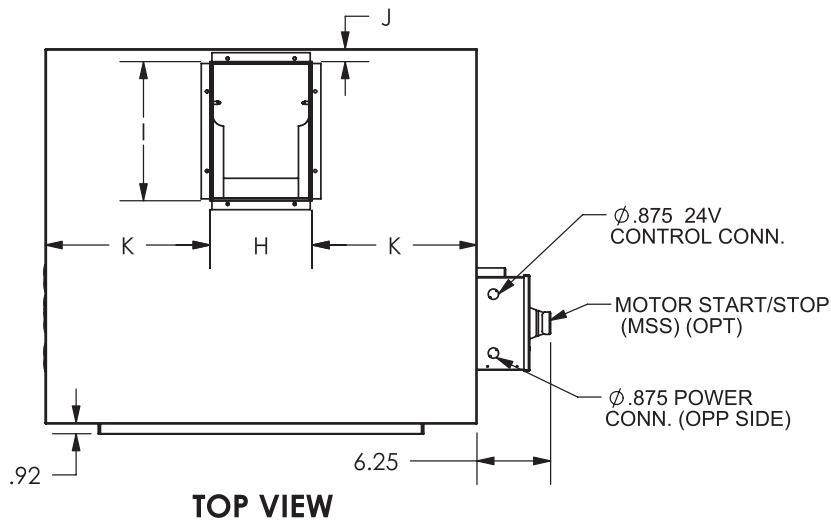
BOTTOM VIEW

	WIDTH	HEIGHT	DEPTH	RETURN DUCT				SUPPLY DUCT (BLOWER OPENING)				SUPPLY CONN.	RETURN CONN.	DRAIN
MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N
BMB-08-12	37.0	36.0	31.8	27.5	16.0	0.6	4.4	8.7	11.8	1.1	14.2	5.5	9.8	21.4

NOTE: HAND CONNECTIONS DEFINED AS LOOKING AT THE FILTERS IN THE DIRECTION OF AIRFLOW.

Product information is subject to change without notice.
Consult submittal data for current information.

BMB-8/12 Unit RH Conn.- Inlet/Disch Arrangement A - CW

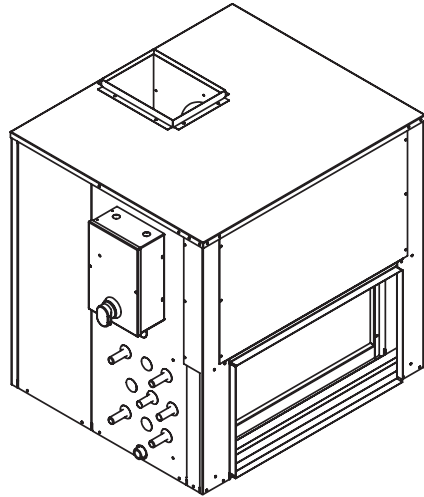


	WIDTH	HEIGHT	DEPTH	RETURN DUCT				SUPPLY DUCT (BLOWER OPENING)				SUPPLY CONN.	RETURN CONN.	DRAIN
MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N
BMB-08-12	37.0	36.0	31.8	27.5	16.0	0.6	4.4	8.7	11.8	1.1	14.2	5.5	9.8	21.4

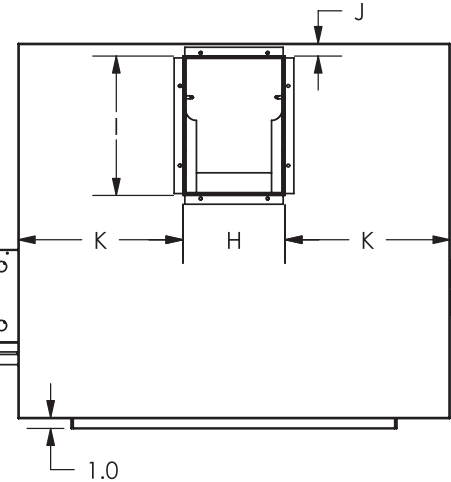
NOTE: HAND CONNECTIONS DEFINED AS LOOKING AT THE FILTERS IN THE DIRECTION OF AIRFLOW.

Product information is subject to change without notice.
Consult submittal data for current information.

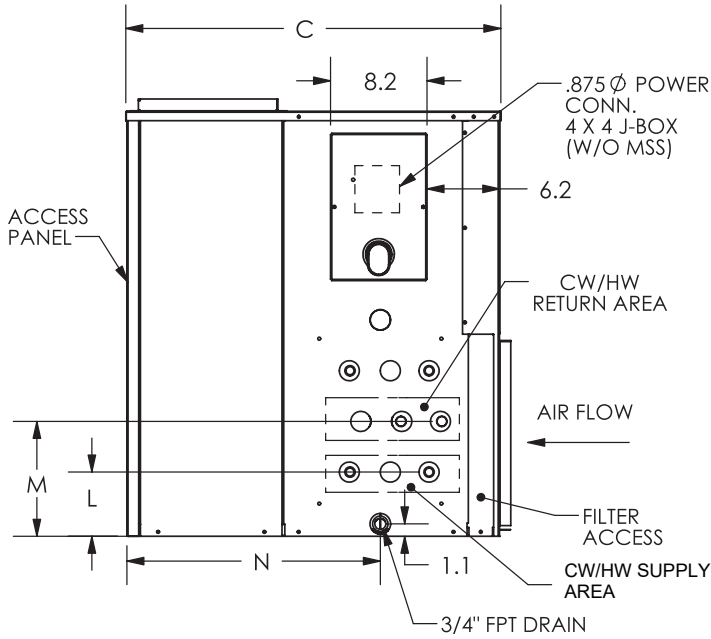
BMB-8/12 Unit LH Conn.- Inlet/Disch Arrangement A - CW



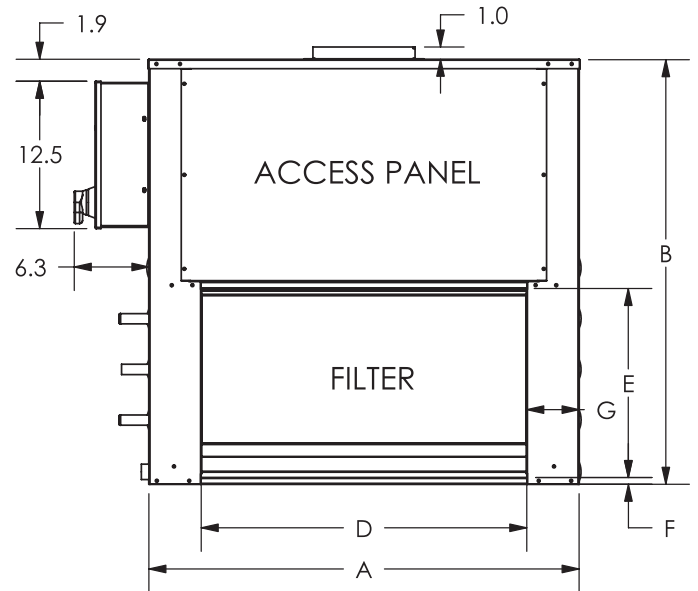
ϕ .875 POWER
CONN. (OPP SIDE)
 MOTOR START/STOP
(MSS) (OPT)
 ϕ .875 24V
CONTROL CONN.



TOP VIEW



LEFT VIEW



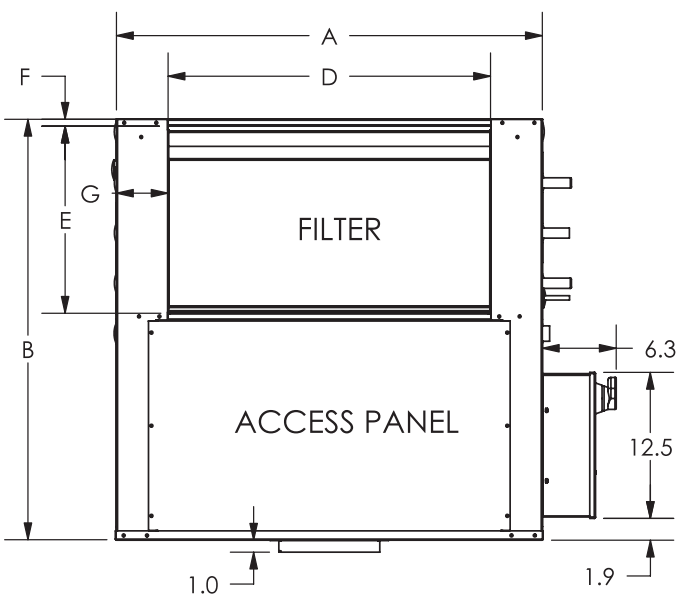
REAR VIEW

	WIDTH	HEIGHT	DEPTH	RETURN DUCT				SUPPLY DUCT (BLOWER OPENING)				SUPPLY CONN.	RETURN CONN.	DRAIN
MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N
BMB-08-12	37.0	36.0	31.8	27.5	16.0	0.6	4.4	8.7	11.8	1.1	14.2	5.5	9.8	21.4

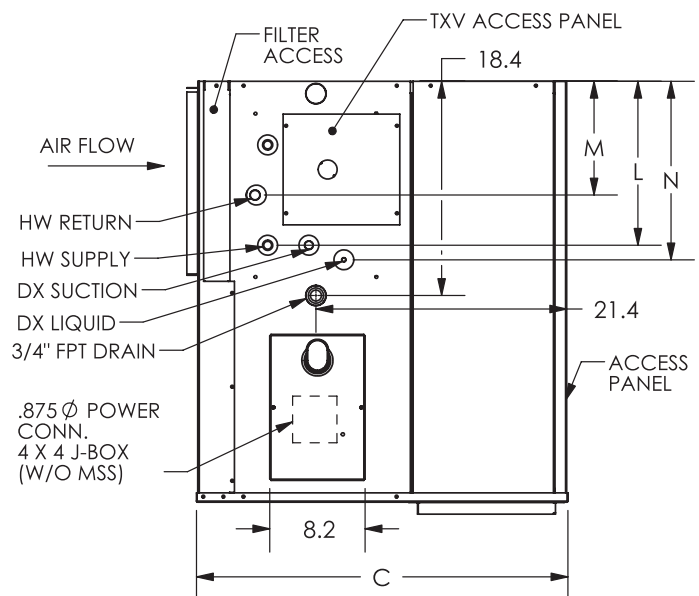
NOTE: HAND CONNECTIONS DEFINED AS LOOKING AT THE FILTERS IN THE DIRECTION OF AIRFLOW.

Product information is subject to change without notice.
Consult submittal data for current information.

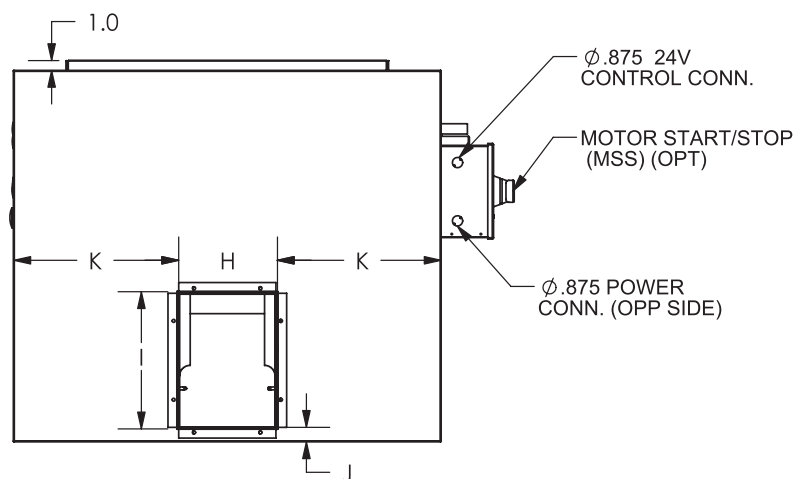
BMB-8/12 Unit RH Conn.- Inlet/Disch Arrangement D - DX



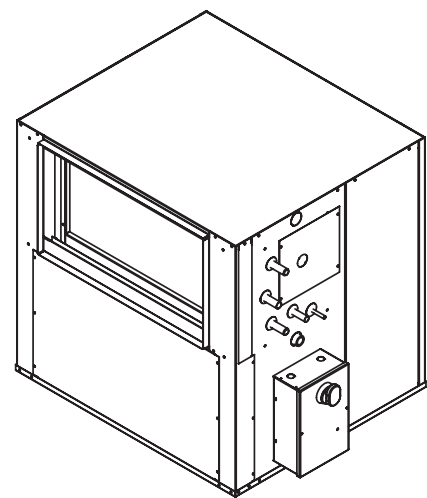
REAR VIEW



RIGHT VIEW



BOTTOM VIEW

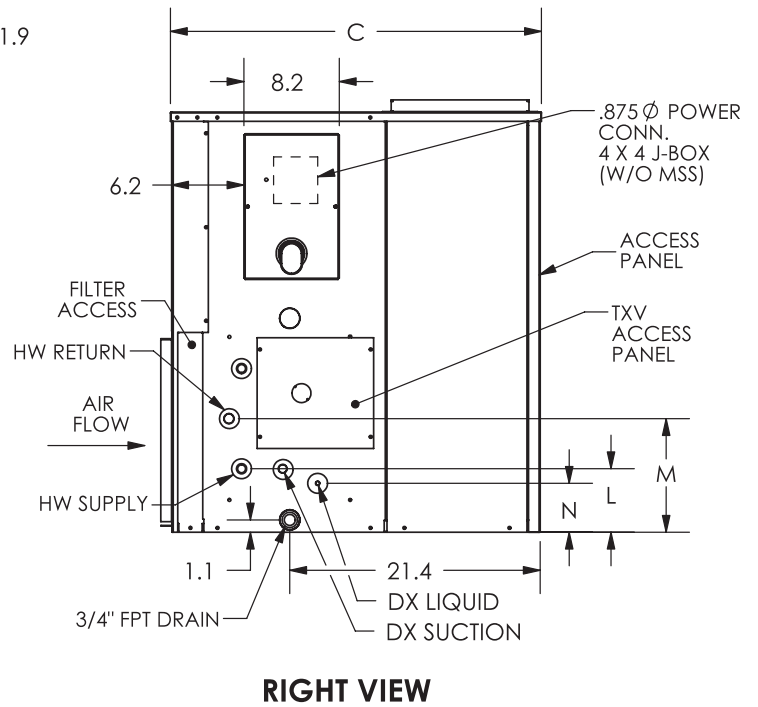
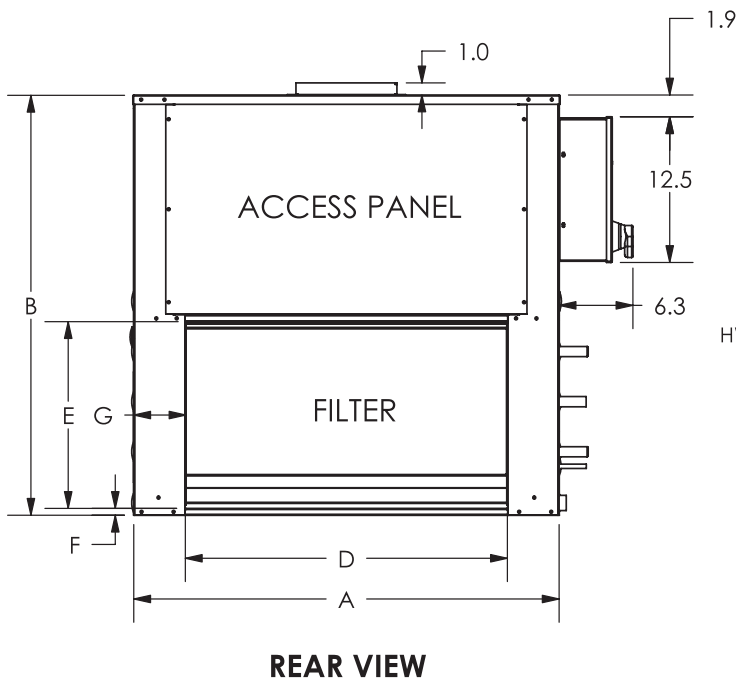
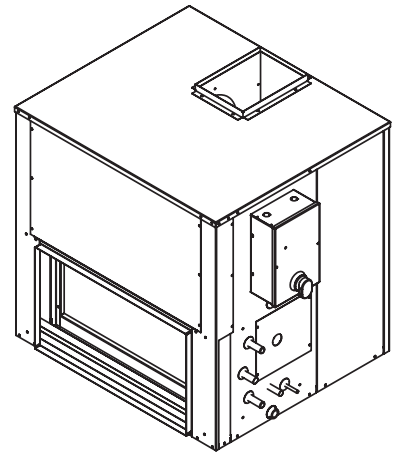
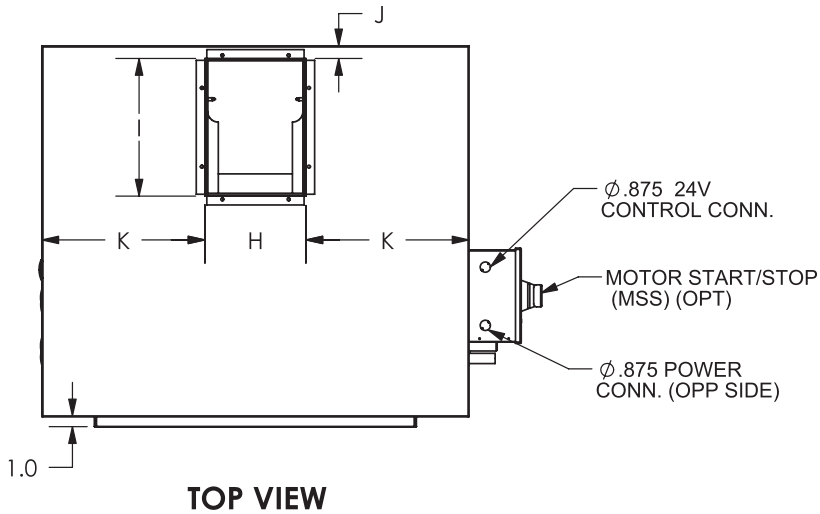


	WIDTH	HEIGHT	DEPTH	RETURN DUCT				SUPPLY DUCT (BLOWER OPENING)				HW SUPPLY DX SUCTION	HW RETURN	DX LIQUID
MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N
BMB-08-12	37.0	36.0	31.8	27.5	16.0	0.6	4.4	8.7	11.8	1.1	14.2	14.1	9.8	15.3

NOTE: HAND CONNECTIONS DEFINED AS LOOKING AT THE FILTERS IN THE DIRECTION OF AIRFLOW.

Product information is subject to change without notice.
Consult submittal data for current information.

BMB-8/12 Unit RH Conn.- Inlet/Disch Arrangement A - DX

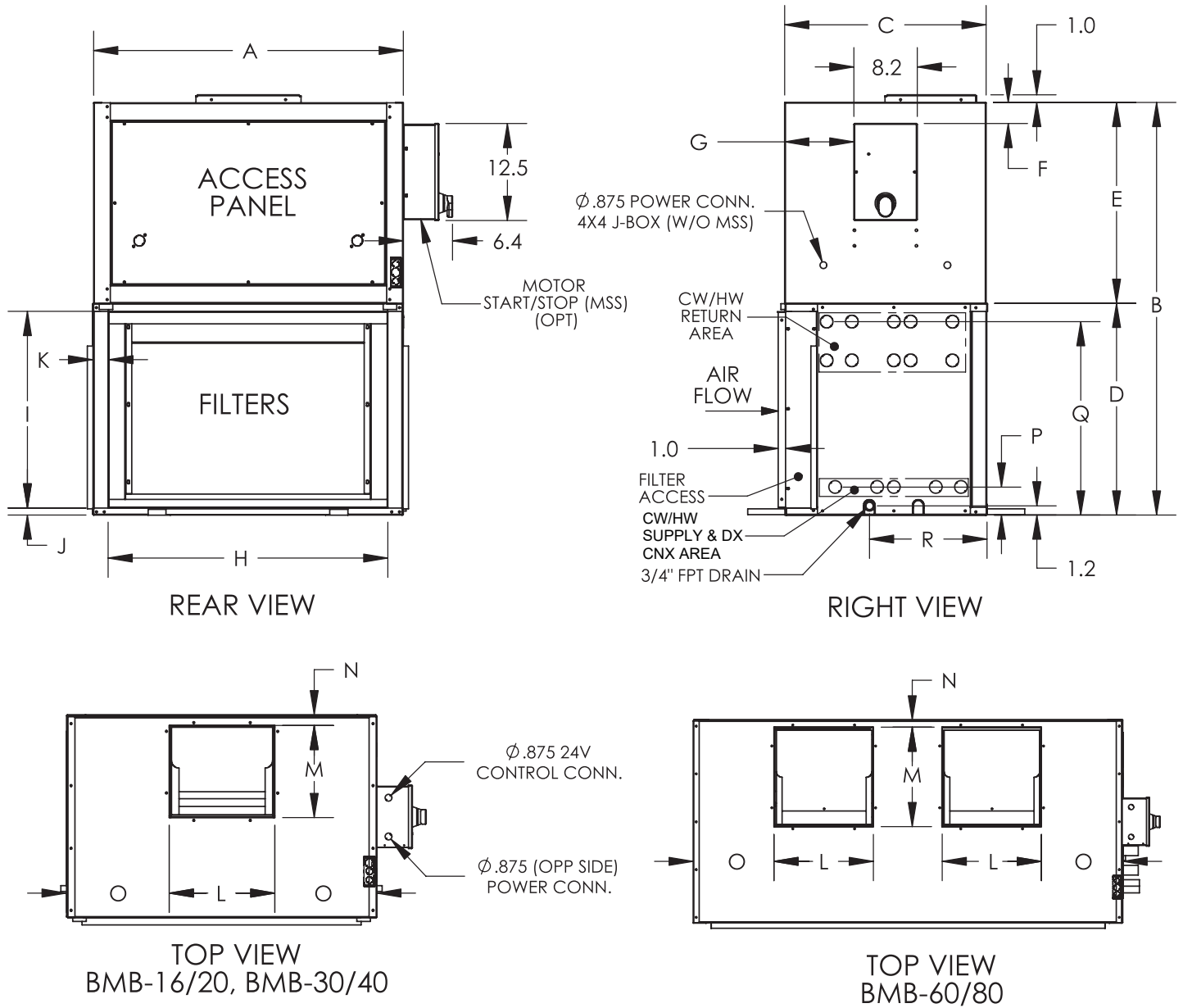


	WIDTH	HEIGHT	DEPTH	RETURN DUCT				SUPPLY DUCT (BLOWER OPENING)				HW SUPPLY DX SUCTION	HW RETURN	DX LIQUID
MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N
BMB-08-12	37.0	36.0	31.8	27.5	16.0	0.6	4.4	8.7	11.8	1.1	14.2	5.5	9.8	4.2

NOTE: HAND CONNECTIONS DEFINED AS LOOKING AT THE FILTERS IN THE DIRECTION OF AIRFLOW.

Product information is subject to change without notice.
Consult submittal data for current information.

BMB-16/80 Unit RH Conn.- Inlet/Disch Arrangement A



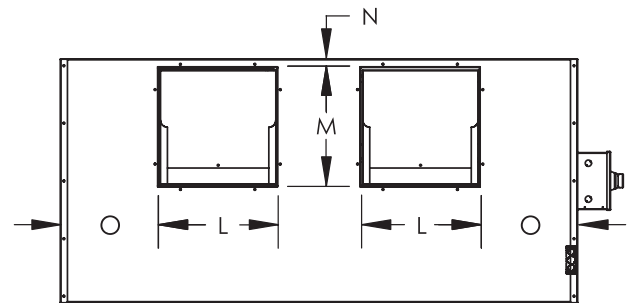
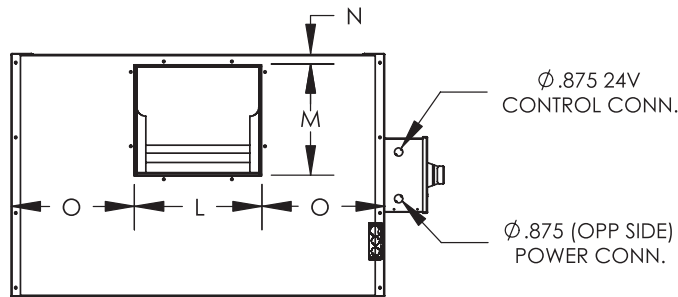
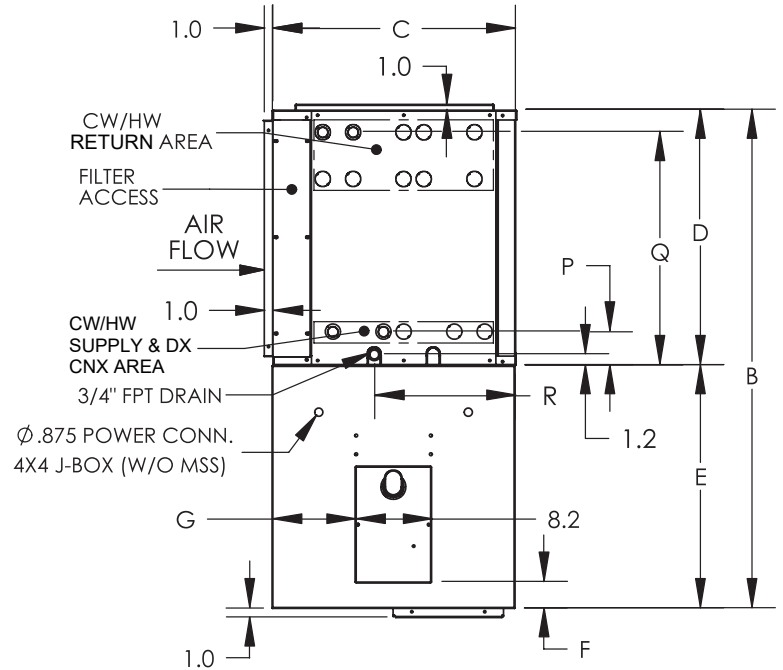
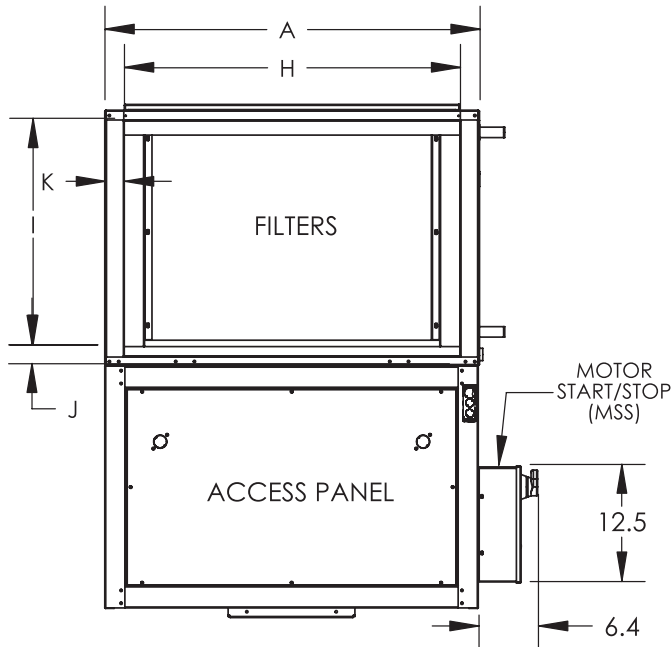
	Width	Height	Depth	Coil Section	Blower Section	Motor Start/Stop (OPT.)		Return Duct				Supply Duct (Blower Opening)				Supply Conn.	Return Conn.	Drain
Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
BMB-16	40.0	53.5	26.0	27.5	26.0	2.7	8.9	36.0	25.5	1.0	2.0	13.6	11.9	1.1	13.1	3.6	20.0	15.2
BMB-20	40.0	53.5	26.0	27.5	26.0	2.7	8.9	36.0	25.5	1.0	2.0	13.6	11.9	1.1	13.1	3.6	25.0	15.2
BMB-30	50.0	68.5	34.0	34.5	34.0	6.8	12.9	48.0	32.0	1.0	1.0	13.4	16.2	1.2	18.3	3.6	25.0	22.5
BMB-40	50.0	68.5	34.0	34.5	34.0	6.8	12.9	48.0	32.0	1.0	1.0	13.4	16.2	1.2	18.3	3.6	30.0	22.5
BMB-60	72.0	81.5	34.0	47.5	34.0	6.7	12.9	66.0	45.0	1.0	2.9	16.4	16.4	1.1	14.0	3.6	30.0	23.0
BMB-80	72.0	81.5	34.0	47.5	34.0	6.7	12.9	66.0	45.0	1.0	2.9	16.4	16.4	1.1	14.0	3.6	42.6	23.0

***NOTES:**

1. HAND CONNECTIONS DEFINED AS LOOKING AT THE FILTERS IN THE DIRECTION OF AIRFLOW.
2. COIL SECTION AND BLOWER SHIP SEPARATELY AND ARE INSTALLED BY OTHERS.

Product information is subject to change without notice.
Consult submittal data for current information.

BMB-16/80 Unit RH Conn.- Inlet/Disch Arrangement D



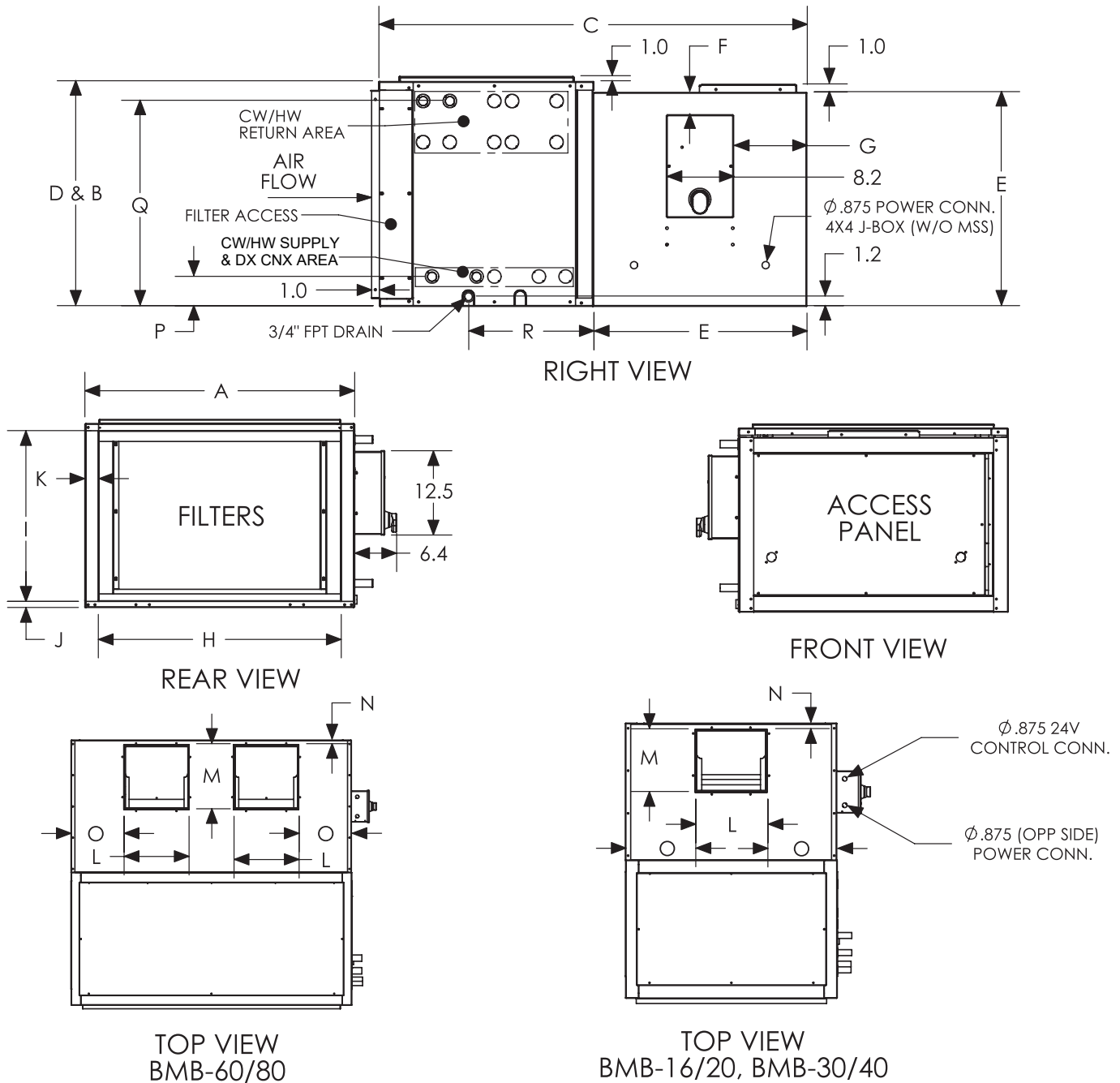
	Width	Height	Depth	Coil Section	Blower Section	Motor Start/Stop (OPT.)		Return Duct				Supply Duct (Blower Opening)				Supply Conn.	Return Conn.	Drain
Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
BMB-16	40.0	53.5	26.0	27.5	26.0	2.7	8.9	36.0	25.5	1.0	2.0	13.6	11.9	1.1	13.1	3.6	20.0	15.2
BMB-20	40.0	53.5	26.0	27.5	26.0	2.7	8.9	36.0	25.5	1.0	2.0	13.6	11.9	1.1	13.1	3.6	25.0	15.2
BMB-30	50.0	68.5	34.0	34.5	34.0	6.8	12.9	48.0	32.0	1.0	1.0	13.4	16.2	1.2	18.3	3.6	25.0	22.5
BMB-40	50.0	68.5	34.0	34.5	34.0	6.8	12.9	48.0	32.0	1.0	1.0	13.4	16.2	1.2	18.3	3.6	30.0	22.5
BMB-60	72.0	81.5	34.0	47.5	34.0	6.7	12.9	66.0	45.0	1.0	2.9	16.4	16.4	1.1	14.0	3.6	30.0	23.0
BMB-80	72.0	81.5	34.0	47.5	34.0	6.7	12.9	66.0	45.0	1.0	2.9	16.4	16.4	1.1	14.0	3.6	42.6	23.0

NOTES:

1. HAND CONNECTIONS DEFINED AS LOOKING AT THE FILTERS IN THE DIRECTION OF AIRFLOW.
2. COIL SECTION AND BLOWER SHIP SEPARATELY AND ARE INSTALLED BY OTHERS.

Product information is subject to change without notice.
Consult submittal data for current information.

BMB-16/80 Unit RH Conn.- Inlet/Disch Arrangement E

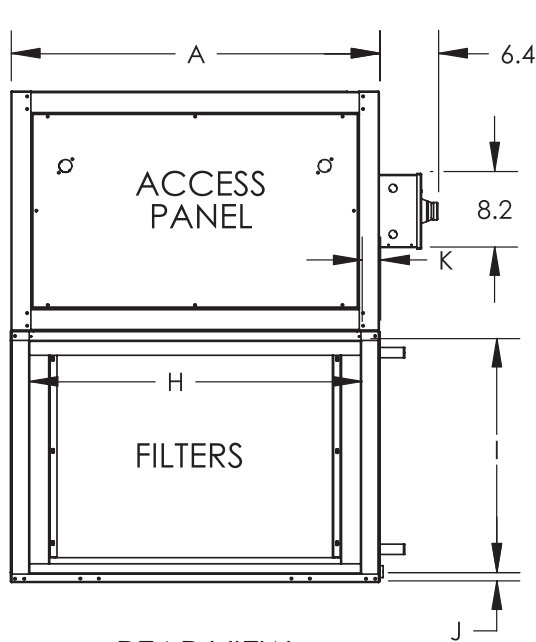


	Width	Height	Depth	Coil Section	Blower Section	Motor Start/Stop (OPT.)		Return Duct				Supply Duct (Blower Opening)				Supply Conn.	Return Conn.	Drain
Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
BMB-16	40.0	27.5	52.0	27.5	26.0	2.7	8.9	36.0	25.5	1.0	2.0	13.6	11.9	1.1	13.1	3.6	20.0	15.2
BMB-20	40.0	27.5	52.0	27.5	26.0	2.7	8.9	36.0	25.5	1.0	2.0	13.6	11.9	1.1	13.1	3.6	25.0	15.2
BMB-30	50.0	34.5	68.0	34.5	34.0	6.8	12.9	48.0	32.0	1.0	1.0	13.4	16.2	1.2	18.3	3.6	25.0	22.5
BMB-40	50.0	34.5	68.0	34.5	34.0	6.8	12.9	48.0	32.0	1.0	1.0	13.4	16.2	1.2	18.3	3.6	30.0	22.5
BMB-60	72.0	47.5	68.0	47.5	34.0	6.7	12.9	66.0	45.0	1.0	2.9	16.4	16.4	1.1	14.0	3.6	30.0	23.0
BMB-80	72.0	47.5	68.0	47.5	34.0	6.7	12.9	66.0	45.0	1.0	2.9	16.4	16.4	1.1	14.0	3.6	42.6	23.0

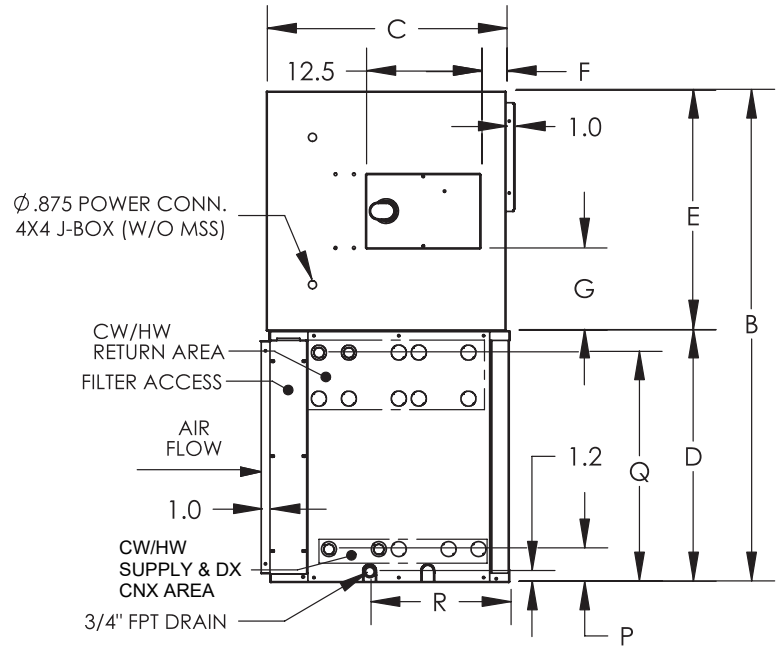
NOTES:
 1. HAND CONNECTIONS DEFINED AS LOOKING AT THE FILTERS IN THE DIRECTION OF AIRFLOW.
 2. COIL SECTION AND BLOWER SHIP SEPARATELY AND ARE INSTALLED BY OTHERS.

Product information is subject to change without notice.
 Consult submittal data for current information.

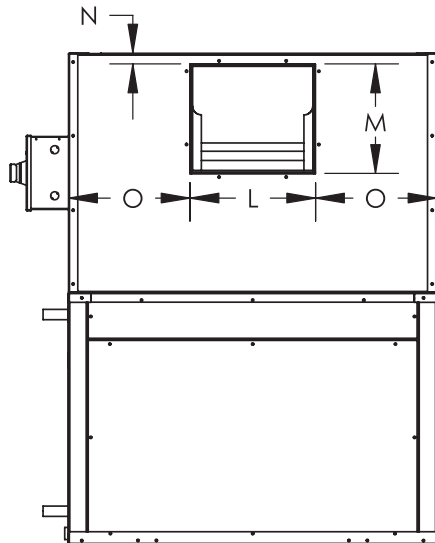
BMB-16/80 Unit RH Conn.- Inlet/Disch Arrangement H



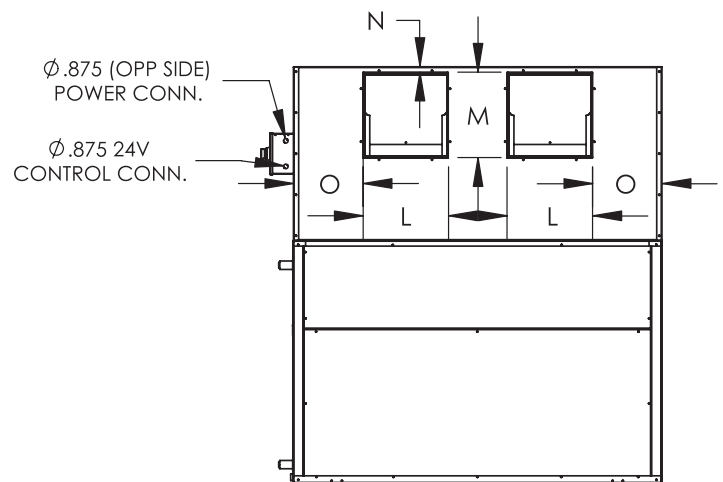
REAR VIEW



RIGHT VIEW



FRONT VIEW
BMB-16/20, BMB-30/40



FRONT VIEW
BMB-60/80

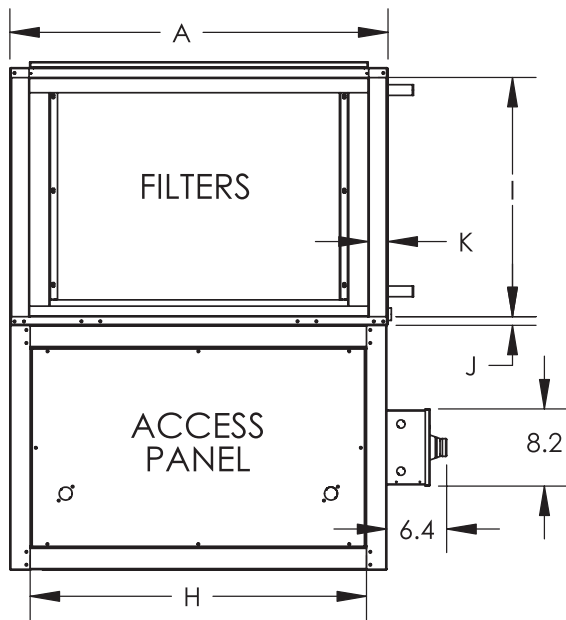
	Width	Height	Depth	Coil Section	Blower Section	Motor Start/Stop (OPT.)		Return Duct				Supply Duct (Blower Opening)				Supply Conn.	Return Conn.	Drain
Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
BMB-16	40.0	53.5	26.0	27.5	26.0	2.7	8.9	36.0	25.5	1.0	2.0	13.6	11.9	1.1	13.1	3.6	20.0	15.2
BMB-20	40.0	53.5	26.0	27.5	26.0	2.7	8.9	36.0	25.5	1.0	2.0	13.6	11.9	1.1	13.1	3.6	25.0	15.2
BMB-30	50.0	68.5	34.0	34.5	34.0	6.8	12.9	48.0	32.0	1.0	1.0	13.4	16.2	1.2	18.3	3.6	25.0	22.5
BMB-40	50.0	68.5	34.0	34.5	34.0	6.8	12.9	48.0	32.0	1.0	1.0	13.4	16.2	1.2	18.3	3.6	30.0	22.5
BMB-60	72.0	81.5	34.0	47.5	34.0	6.7	12.9	66.0	45.0	1.0	2.9	16.4	16.4	1.1	14.0	3.6	30.0	23.0
BMB-80	72.0	81.5	34.0	47.5	34.0	6.7	12.9	66.0	45.0	1.0	2.9	16.4	16.4	1.1	14.0	3.6	42.6	23.0

NOTES:

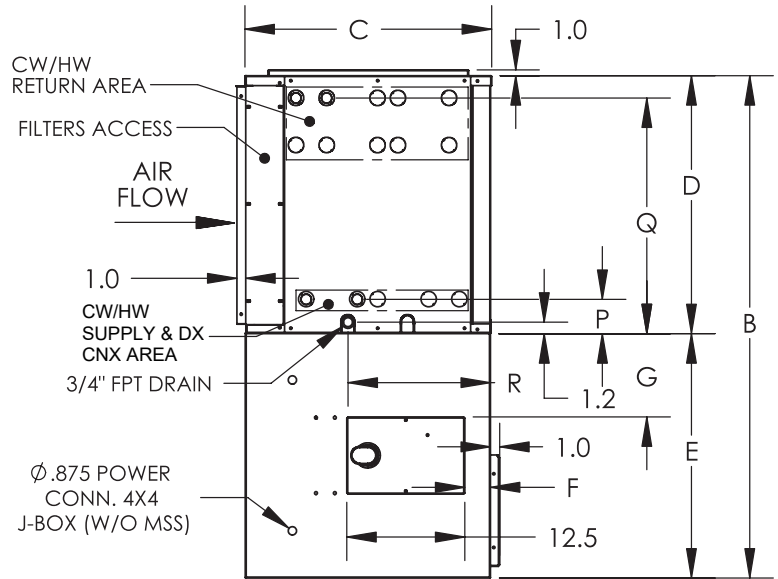
1. HAND CONNECTIONS DEFINED AS LOOKING AT THE FILTERS IN THE DIRECTION OF AIRFLOW.
2. COIL SECTION AND BLOWER SHIP SEPARATELY AND ARE INSTALLED BY OTHERS.

Product information is subject to change without notice.
Consult submittal data for current information.

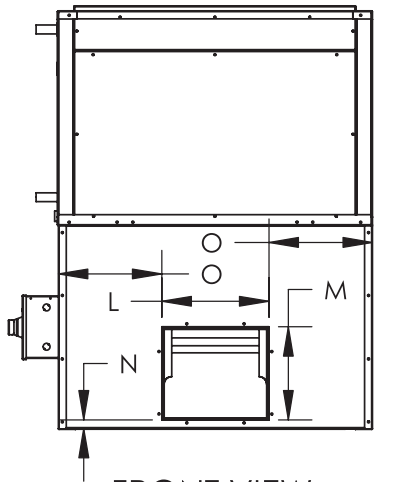
BMB-16/80 Unit RH Conn.- Inlet/Disch Arrangement J



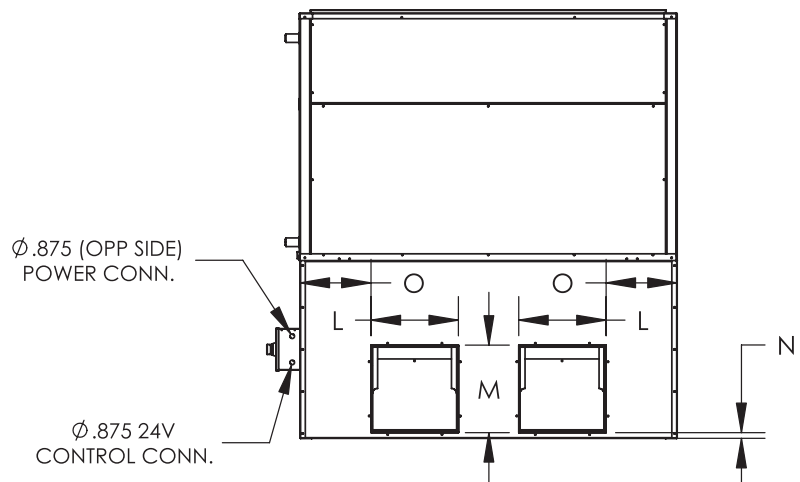
REAR VIEW



RIGHT VIEW



FRONT VIEW
BMB-16/20, BMB-30/40



FRONT VIEW
BMB-60/80

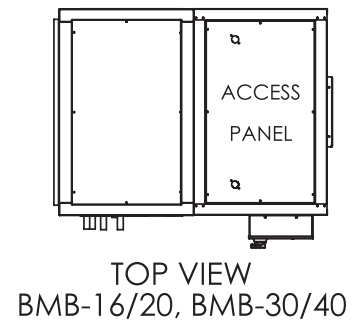
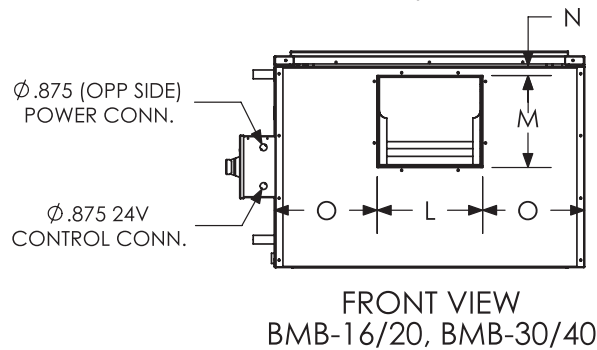
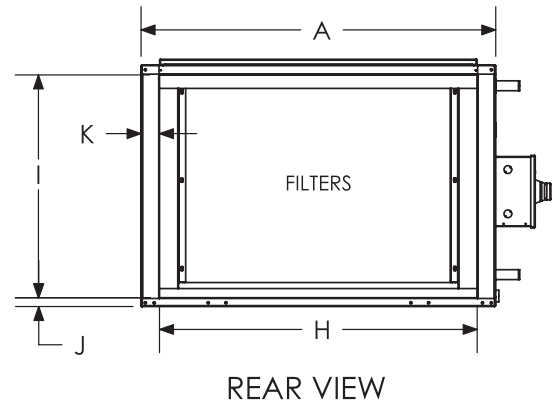
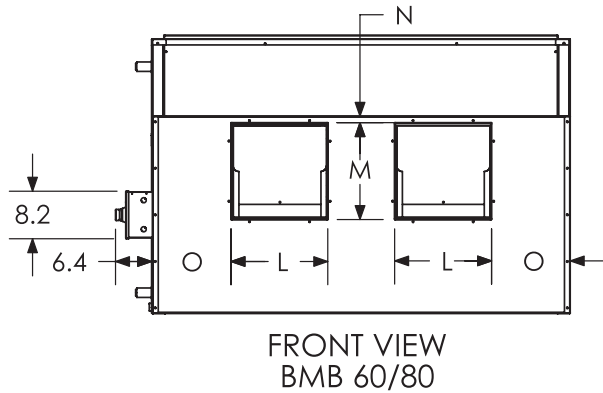
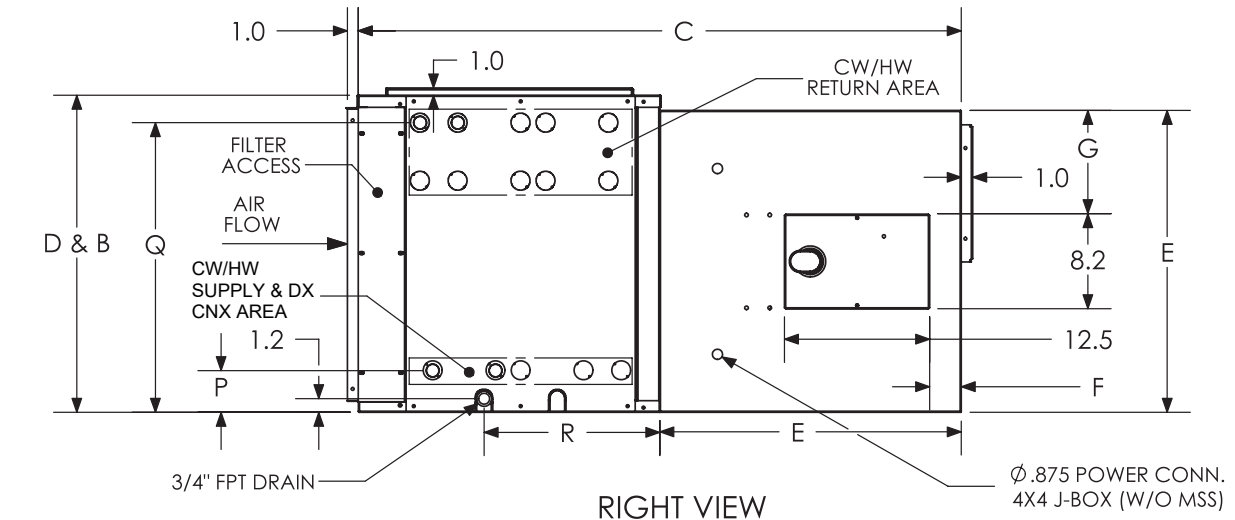
	Width	Height	Depth	Coil Section	Blower Section	Motor Start/Stop (OPT.)		Return Duct				Supply Duct (Blower Opening)				Supply Conn.	Return Conn.	Drain
Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
BMB-16	40.0	53.5	26.0	27.5	26.0	2.7	8.9	36.0	25.5	1.0	2.0	13.6	11.9	1.1	13.1	3.6	20.0	15.2
BMB-20	40.0	53.5	26.0	27.5	26.0	2.7	8.9	36.0	25.5	1.0	2.0	13.6	11.9	1.1	13.1	3.6	25.0	15.2
BMB-30	50.0	68.5	34.0	34.5	34.0	6.8	12.9	48.0	32.0	1.0	1.0	19.0	16.4	1.1	15.4	3.6	25.0	22.5
BMB-40	50.0	68.5	34.0	34.5	34.0	6.8	12.9	48.0	32.0	1.0	1.0	19.0	16.4	1.1	15.4	3.6	30.0	22.5
BMB-60	72.0	81.5	34.0	47.5	34.0	6.7	12.9	66.0	45.0	1.0	2.9	16.4	16.4	1.1	14.0	3.6	30.0	23.0
BMB-80	72.0	81.5	34.0	47.5	34.0	6.7	12.9	66.0	45.0	1.0	2.9	16.4	16.4	1.1	14.0	3.6	42.6	23.0

NOTES:

1. HAND CONNECTIONS DEFINED AS LOOKING AT THE FILTERS IN THE DIRECTION OF AIRFLOW.
2. COIL SECTION AND BLOWER SHIP SEPARATELY AND ARE INSTALLED BY OTHERS.

Product information is subject to change without notice.
Consult submittal data for current information.

BMB-16/80 Unit RH Conn.- Inlet/Disch Arrangement K



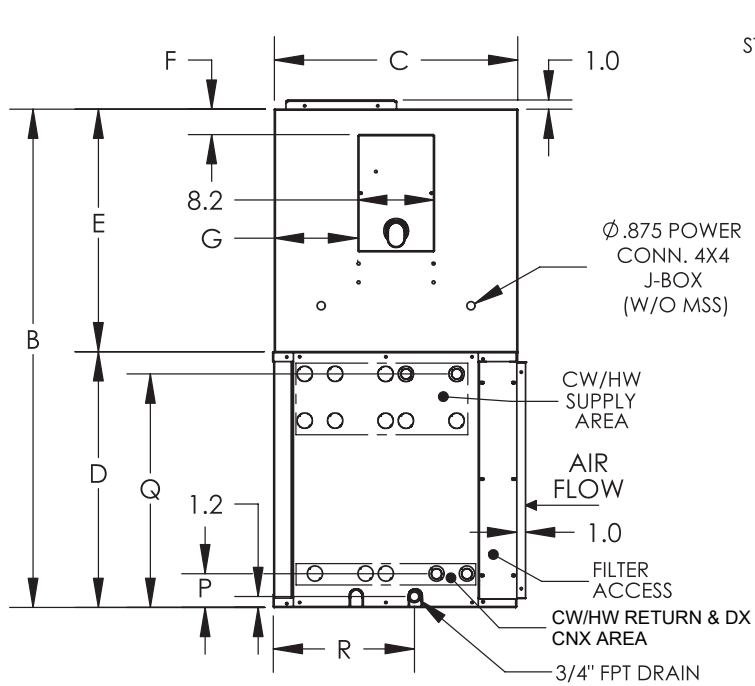
	Width	Height	Depth	Coil Section	Blower Section	Motor Start/Stop (OPT.)		Return Duct				Supply Duct (Blower Opening)				Supply Conn.	Return Conn.	Drain
Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
BMB-16	40.0	27.5	52.0	27.5	26.0	2.7	8.9	36.0	25.5	1.0	2.0	13.6	11.9	1.1	13.1	3.6	20.0	15.2
BMB-20	40.0	27.5	52.0	27.5	26.0	2.7	8.9	36.0	25.5	1.0	2.0	13.6	11.9	1.1	13.1	3.6	25.0	15.2
BMB-30	50.0	34.5	68.0	34.5	34.0	6.8	12.9	48.0	32.0	1.0	1.0	13.4	16.2	1.2	18.3	3.6	25.0	25.5
BMB-40	50.0	34.5	68.0	34.5	34.0	6.8	12.9	48.0	32.0	1.0	1.0	13.4	16.2	1.2	18.3	3.6	30.0	25.5
BMB-60	72.0	47.5	68.0	47.5	34.0	6.7	12.9	66.0	45.0	1.0	2.9	16.4	16.4	1.1	14.0	3.6	30.0	23.0
BMB-80	72.0	47.5	68.0	47.5	34.0	6.7	12.9	66.0	45.0	1.0	2.9	16.4	16.4	1.1	14.0	3.6	42.6	23.0

*NOTES:

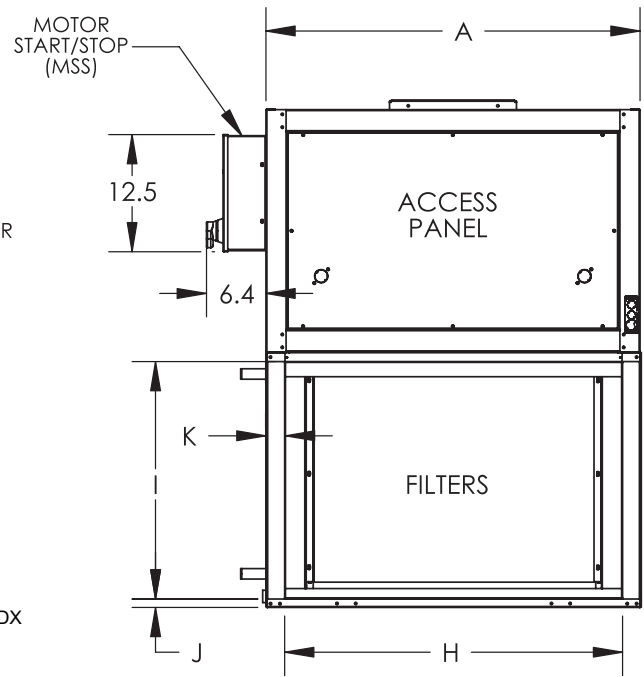
1. HAND CONNECTIONS DEFINED AS LOOKING AT THE FILTERS IN THE DIRECTION OF AIRFLOW.
2. COIL SECTION AND BLOWER SHIP SEPARATELY AND ARE INSTALLED BY OTHERS.

Product information is subject to change without notice.
Consult submittal data for current information.

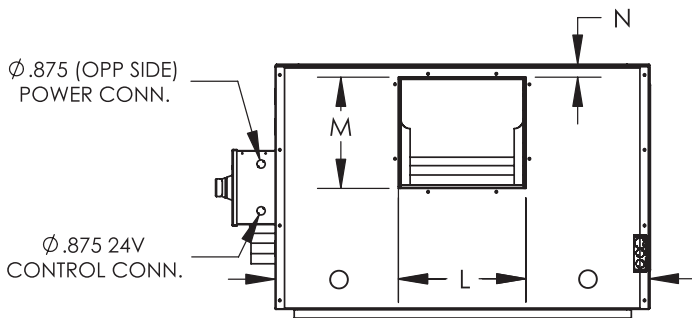
BMB-16/80 Unit LH Conn.- Inlet/Disch Arrangement A



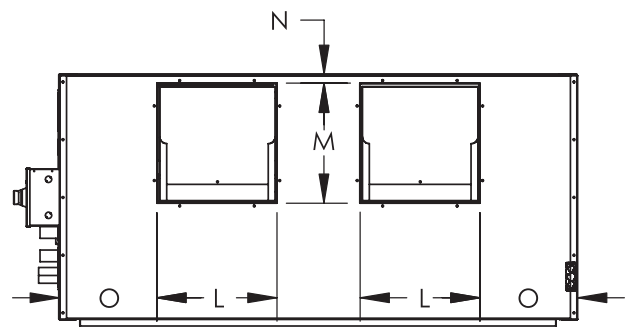
LEFT VIEW



REAR VIEW



TOP VIEW
BMB-16/20, BMB-30/40



TOP VIEW
BMB-60/80

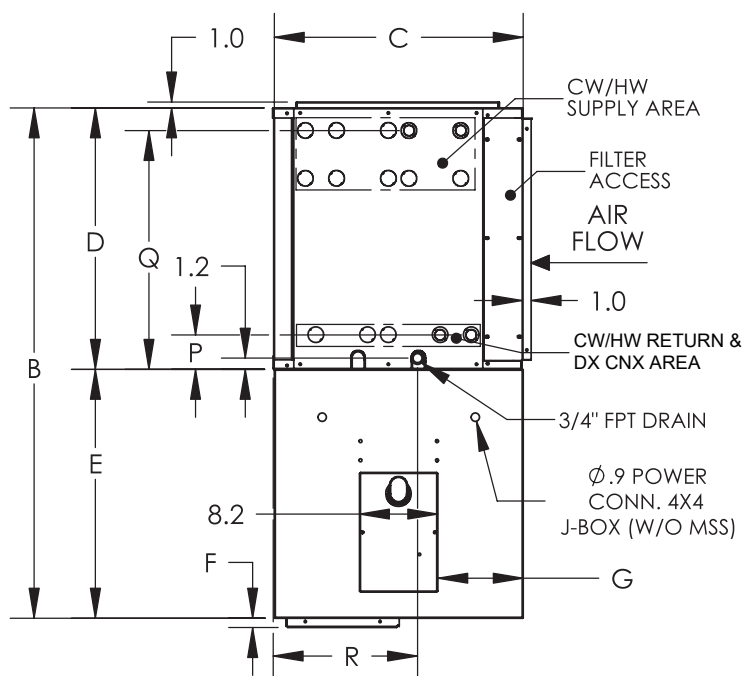
	Width	Height	Depth	Coil Section	Blower Section	Motor Start/Stop (OPT.)		Return Duct				Supply Duct (Blower Opening)				Supply Conn.	Return Conn.	Drain
Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
BMB-16	40.0	53.5	26.0	27.5	26.0	2.7	8.9	36.0	25.5	1.0	2.0	13.6	11.9	1.1	13.1	3.6	20.0	15.2
BMB-20	40.0	53.5	26.0	27.5	26.0	2.7	8.9	36.0	25.5	1.0	2.0	13.6	11.9	1.1	13.1	3.6	25.0	15.2
BMB-30	50.0	68.5	34.0	34.5	34.0	6.8	12.9	48.0	32.0	1.0	1.0	13.4	16.2	1.2	18.3	3.6	25.0	22.5
BMB-40	50.0	68.5	34.0	34.5	34.0	6.8	12.9	48.0	32.0	1.0	1.0	13.4	16.2	1.2	18.3	3.6	30.0	22.5
BMB-60	72.0	81.5	34.0	47.5	34.0	6.7	12.9	66.0	45.0	1.0	2.9	16.4	16.4	1.1	14.0	3.6	30.0	23.0
BMB-80	72.0	81.5	34.0	47.5	34.0	6.7	12.9	66.0	45.0	1.0	2.9	16.4	16.4	1.1	14.0	3.6	42.6	23.0

***NOTES:**

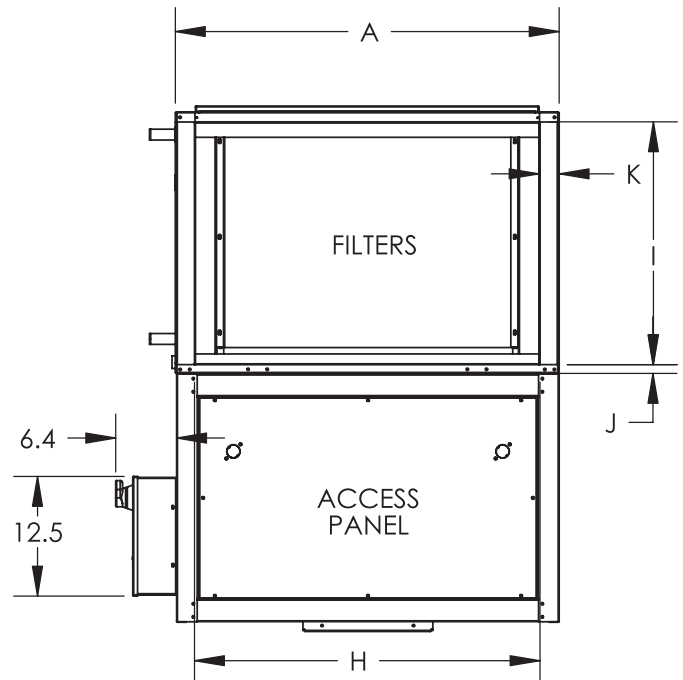
1. HAND CONNECTIONS DEFINED AS LOOKING AT THE FILTERS IN THE DIRECTION OF AIRFLOW.
2. COIL SECTION AND BLOWER SHIP SEPARATELY AND ARE INSTALLED BY OTHERS.

Product information is subject to change without notice.
Consult submittal data for current information.

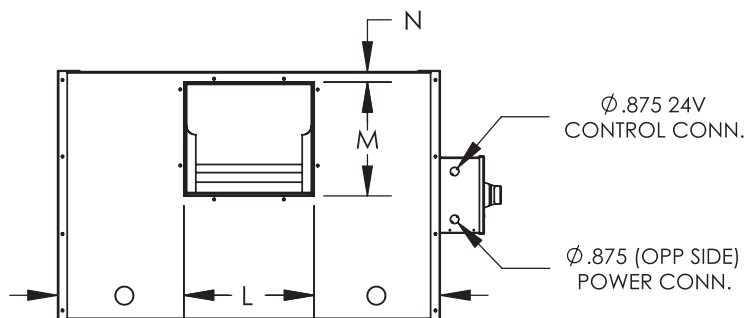
BMB-16/80 Unit LH Conn.- Inlet/Disch Arrangement D



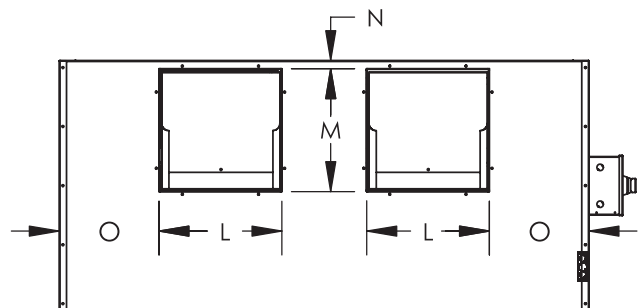
LEFT VIEW



BACK VIEW



BOTTOM VIEW
BMB-16/20, BMB-30/40



BOTTOM VIEW
BMB-60/80

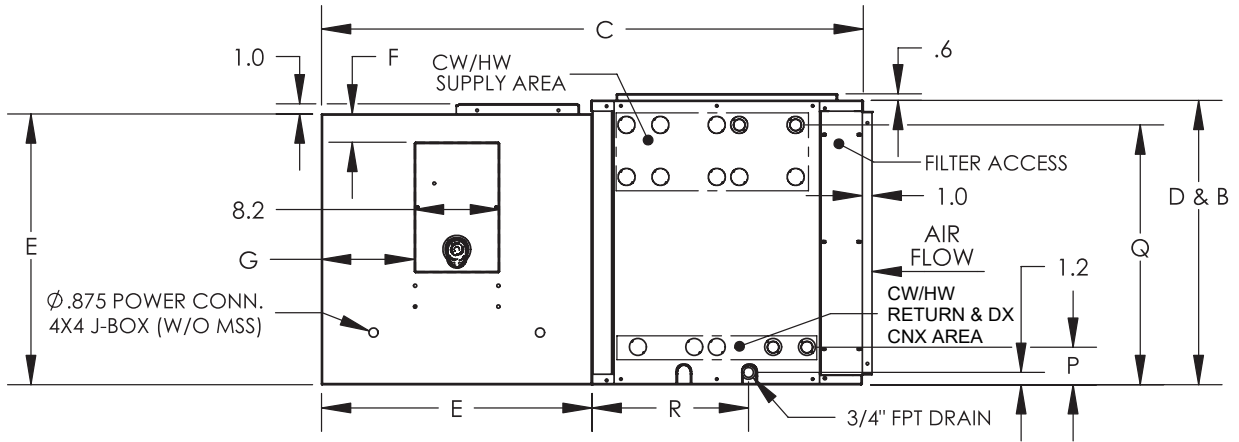
	Width	Height	Depth	Coil Section	Blower Section	Motor Start/Stop (OPT.)		Return Duct				Supply Duct (Blower Opening)				Supply Conn.	Return Conn.	Drain
Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
BMB-16	40.0	53.5	26.0	27.5	26.0	2.7	8.9	36.0	25.5	1.0	2.0	13.6	11.9	1.1	13.1	3.6	20.0	15.2
BMB-20	40.0	53.5	26.0	27.5	26.0	2.7	8.9	36.0	25.5	1.0	2.0	13.6	11.9	1.1	13.1	3.6	25.0	15.2
BMB-30	50.0	68.5	34.0	34.5	34.0	6.8	12.9	48.0	32.0	1.0	1.0	13.4	16.2	1.2	18.3	3.6	25.0	22.5
BMB-40	50.0	68.5	34.0	34.5	34.0	6.8	12.9	48.0	32.0	1.0	1.0	13.4	16.2	1.2	18.3	3.6	30.0	22.5
BMB-60	72.0	81.5	34.0	47.5	34.0	6.7	12.9	66.0	45.0	1.0	2.9	16.4	16.4	1.1	14.0	3.6	30.0	23.0
BMB-80	72.0	81.5	34.0	47.5	34.0	6.7	12.9	66.0	45.0	1.0	2.9	16.4	16.4	1.1	14.0	3.6	42.6	23.0

***NOTES:**

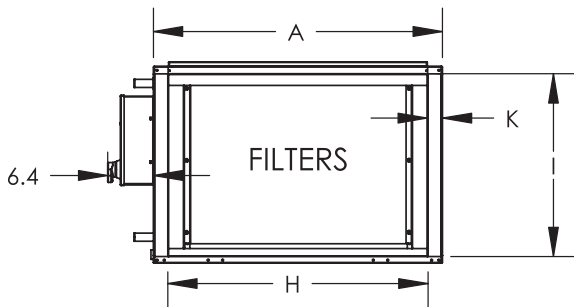
1. HAND CONNECTIONS DEFINED AS LOOKING AT THE FILTERS IN THE DIRECTION OF AIRFLOW.
2. COIL SECTION AND BLOWER SHIP SEPARATELY AND ARE INSTALLED BY OTHERS.

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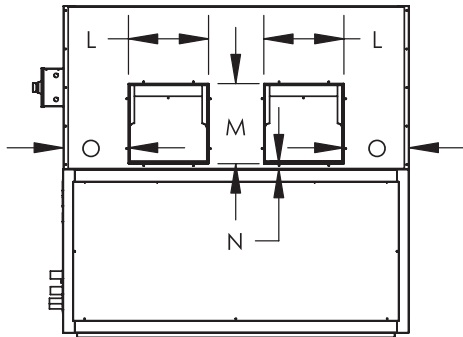
BMB-16/80 Unit LH Conn.- Inlet/Disch Arrangement E



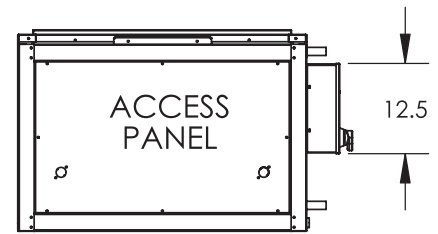
LEFT VIEW



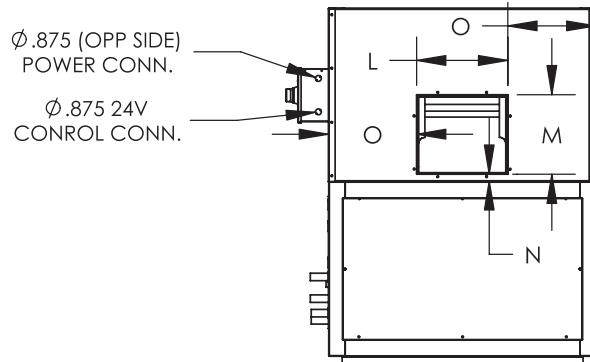
REAR VIEW



TOP VIEW
BMB-60/80



FRONT VIEW



TOP VIEW
BMB-16/20, BMB-30/40

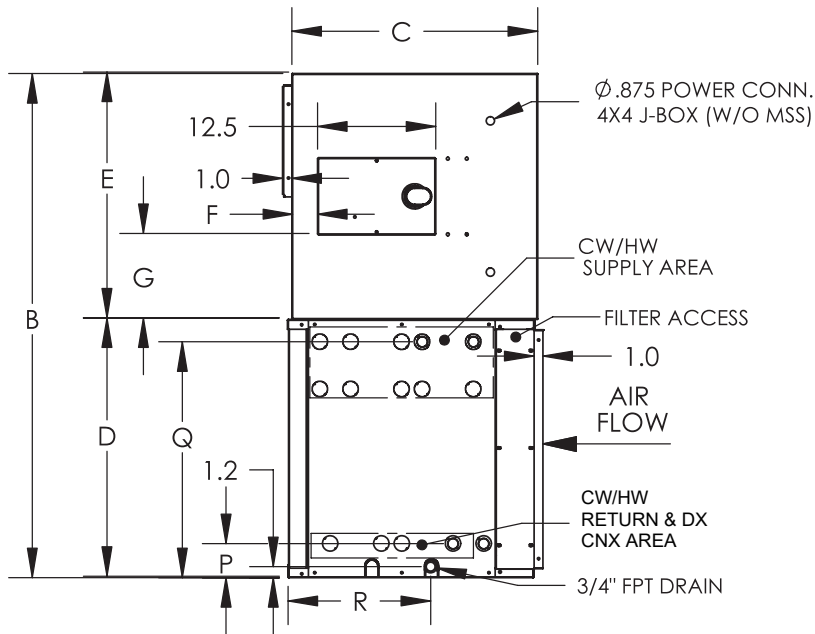
	Width	Height	Depth	Coil Section	Blower Section	Motor Start/Stop (OPT.)		Return Duct				Supply Duct (Blower Opening)				Supply Conn.	Return Conn.	Drain
Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
BMB-16	40.0	27.5	52.0	27.5	26.0	2.7	8.9	36.0	25.5	1.0	2.0	13.6	11.9	1.1	13.1	3.6	20.0	15.2
BMB-20	40.0	27.5	52.0	27.5	26.0	2.7	8.9	36.0	25.5	1.0	2.0	13.6	11.9	1.1	13.1	3.6	25.0	15.2
BMB-30	50.0	34.5	68.0	34.5	34.0	6.8	12.9	48.0	32.0	1.0	1.0	13.4	16.2	1.2	18.3	3.6	25.0	25.5
BMB-40	50.0	34.5	68.0	34.5	34.0	6.8	12.9	48.0	32.0	1.0	1.0	13.4	16.2	1.2	18.3	3.6	30.0	25.5
BMB-60	72.0	47.5	68.0	47.5	34.0	6.7	12.9	66.0	45.0	1.0	2.9	16.4	16.4	1.1	14.0	3.6	30.0	23.0
BMB-80	72.0	47.5	68.0	47.5	34.0	6.7	12.9	66.0	45.0	1.0	2.9	16.4	16.4	1.1	14.0	3.6	42.6	23.0

***NOTES:**

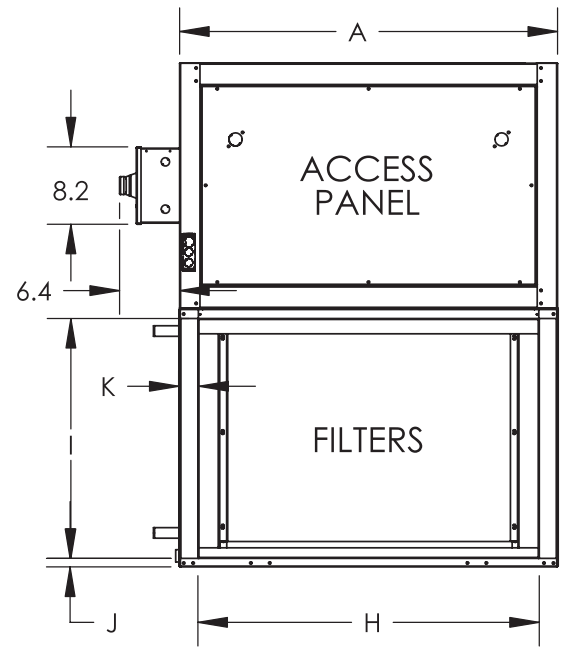
1. HAND CONNECTIONS DEFINED AS LOOKING AT THE FILTERS IN THE DIRECTION OF AIRFLOW.
2. COIL SECTION AND BLOWER SHIP SEPARATELY AND ARE INSTALLED BY OTHERS.

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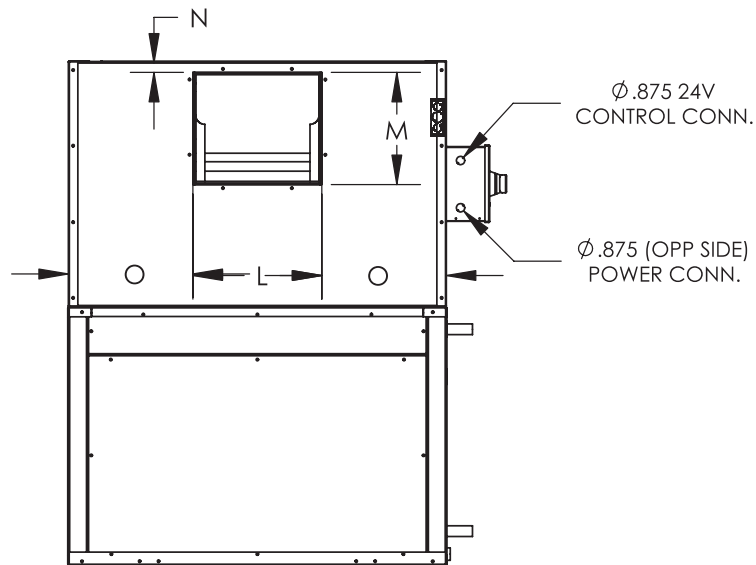
BMB-16/80 Unit LH Conn.- Inlet/Disch Arrangement H



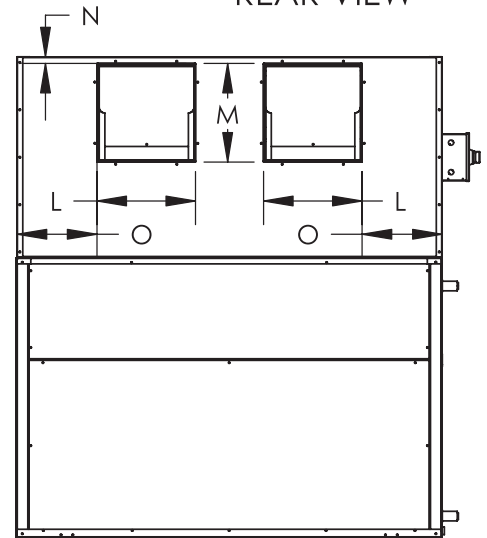
LEFT VIEW



REAR VIEW



FONT VIEW
BMB-16/20, BMB-30/40



FRONT VIEW
BMB-60/80

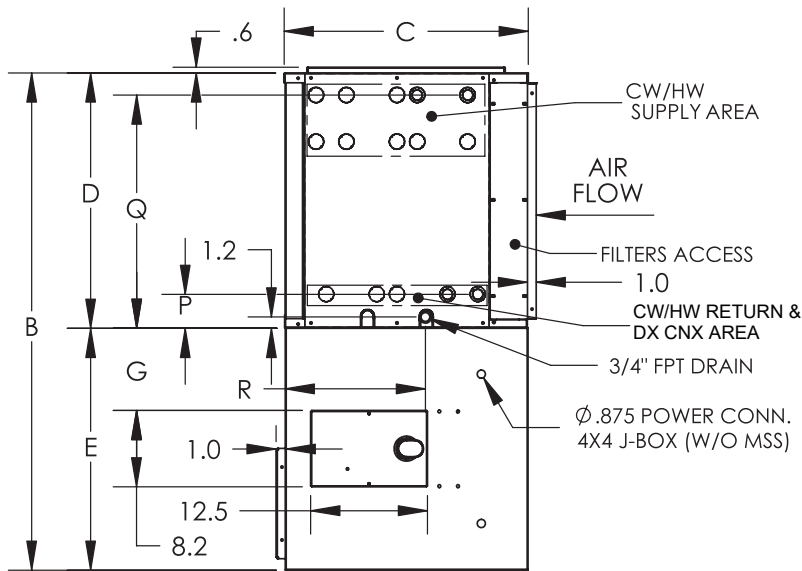
	Width	Height	Depth	Coil Section	Blower Section	Motor Start/Stop (OPT.)		Return Duct				Supply Duct (Blower Opening)				Supply Conn.	Return Conn.	Drain
Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
BMB-16	40.0	53.5	26.0	27.5	26.0	2.9	8.9	36.0	25.5	1.0	2.0	13.6	11.9	1.1	13.1	3.6	20.0	15.2
BMB-20	40.0	53.5	26.0	27.5	26.0	2.9	8.9	36.0	25.5	1.0	2.0	13.6	11.9	1.1	13.1	3.6	25.0	15.2
BMB-30	50.0	68.5	34.0	34.5	34.0	6.8	12.9	48.0	32.0	1.0	1.0	13.4	16.2	1.2	18.3	3.6	25.0	22.5
BMB-40	50.0	68.5	34.0	34.5	34.0	6.8	12.9	48.0	32.0	1.0	1.0	13.4	16.2	1.2	18.3	3.6	30.0	22.5
BMB-60	72.0	81.5	34.0	47.5	34.0	6.7	12.9	66.0	45.0	1.0	2.9	16.4	16.4	1.1	14.0	3.6	30.0	23.0
BMB-80	72.0	81.5	34.0	47.5	34.0	6.7	12.9	66.0	45.0	1.0	2.9	16.4	16.4	1.1	14.0	3.6	42.6	23.0

***NOTES:**

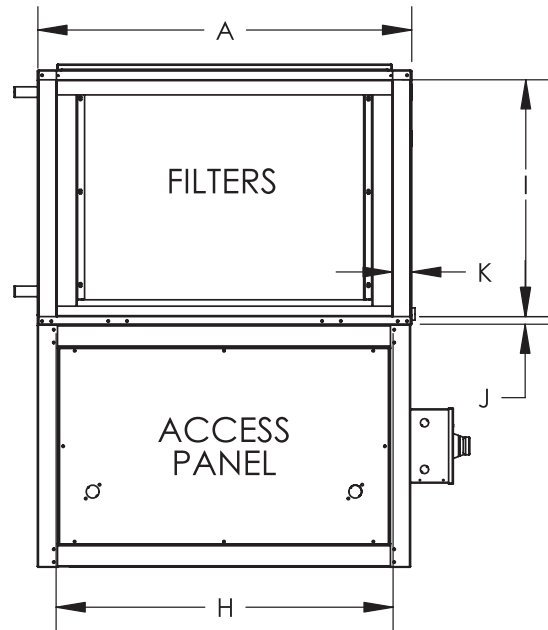
- HAND CONNECTIONS DEFINED AS LOOKING AT THE FILTERS IN THE DIRECTION OF AIRFLOW.
- COIL SECTION AND BLOWER SHIP SEPARATELY AND ARE INSTALLED BY OTHERS.

Product information is subject to change without notice.
Consult submittal data for current information.

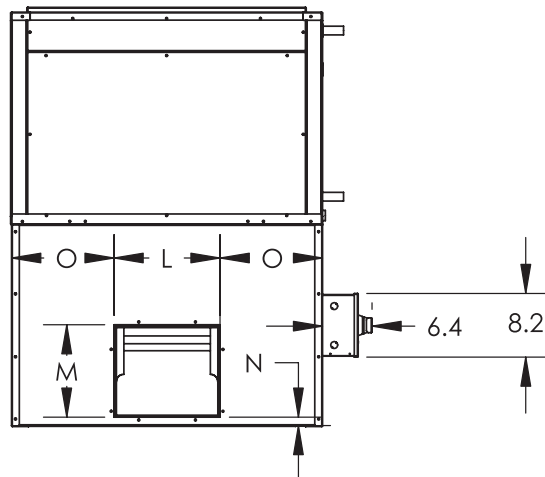
BMB-16/80 Unit LH Conn.- Inlet/Disch Arrangement J



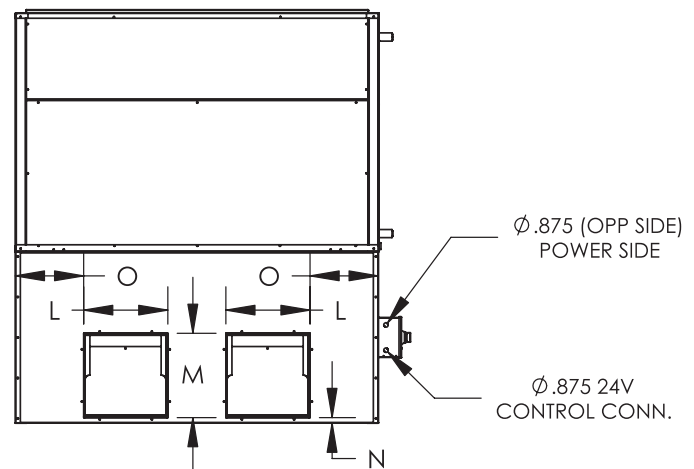
LEFT VIEW



REAR VIEW



FRONT VIEW
BMB-16/20, BMB-30/40



FRONT VIEW
BMB-60/80

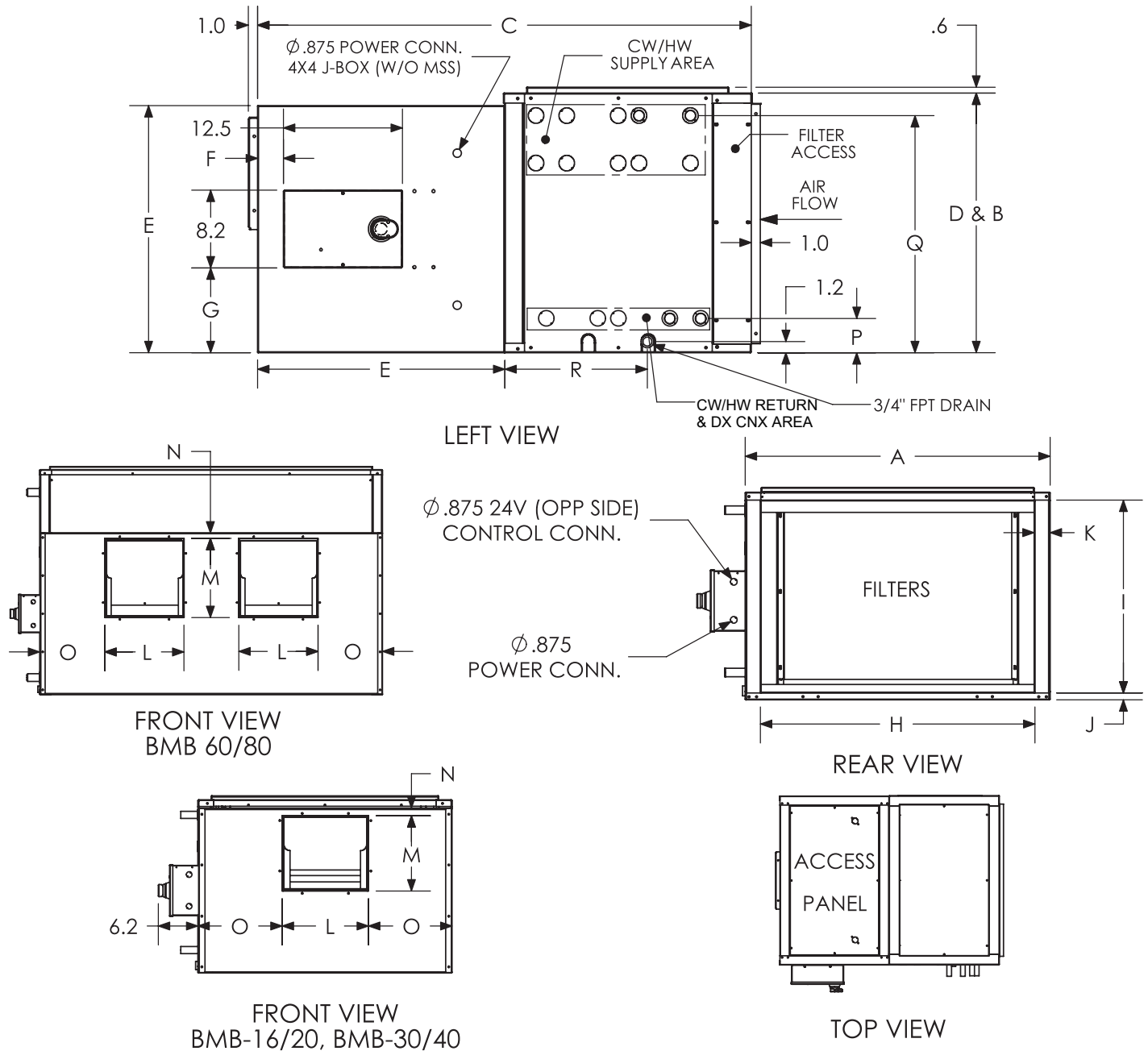
	Width	Height	Depth	Coil Section	Blower Section	Motor Start/Stop (OPT.)		Return Duct				Supply Duct (Blower Opening)				Supply Conn.	Return Conn.	Drain
Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
BMB-16	40.0	53.5	26.0	27.5	26.0	2.7	8.9	36.0	25.5	1.0	2.0	13.6	11.9	1.1	13.1	3.6	20.0	15.2
BMB-20	40.0	53.5	26.0	27.5	26.0	2.7	8.9	36.0	25.5	1.0	2.0	13.6	11.9	1.1	13.1	3.6	25.0	15.2
BMB-30	50.0	68.5	34.0	34.5	34.0	6.8	12.9	48.0	32.0	1.0	1.0	13.4	16.2	1.2	18.3	3.6	25.0	22.5
BMB-40	50.0	68.5	34.0	34.5	34.0	6.8	12.9	48.0	32.0	1.0	1.0	13.4	16.2	1.2	18.3	3.6	30.0	22.5
BMB-60	72.0	81.5	34.0	47.5	34.0	6.7	12.9	66.0	45.0	1.0	2.9	16.4	16.4	1.1	14.0	3.6	30.0	23.0
BMB-80	72.0	81.5	34.0	47.5	34.0	6.7	12.9	66.0	45.0	1.0	2.9	16.4	16.4	1.1	14.0	3.6	42.6	23.0

***NOTES:**

1. HAND CONNECTIONS DEFINED AS LOOKING AT THE FILTERS IN THE DIRECTION OF AIRFLOW.
2. COIL SECTION AND BLOWER SHIP SEPARATELY AND ARE INSTALLED BY OTHERS.

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BMB-16/80 Unit LH Conn.- Inlet/Disch Arrangement K



	Width	Height	Depth	Coil Section	Blower Section	Motor Start/Stop (OPT.)		Return Duct				Supply Duct (Blower Opening)				Supply Conn.	Return Conn.	Drain
Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
BMB-16	40.0	27.5	52.0	27.5	26.0	2.7	8.9	36.0	25.5	1.0	2.0	13.6	11.9	1.1	13.1	3.6	20.0	15.2
BMB-20	40.0	27.5	52.0	27.5	26.0	2.7	8.9	36.0	25.5	1.0	2.0	13.6	11.9	1.1	13.1	3.6	25.0	15.2
BMB-30	50.0	34.5	68.0	34.5	34.0	6.8	12.9	48.0	32.0	1.0	1.0	13.4	16.2	1.2	18.3	3.6	25.0	25.5
BMB-40	50.0	34.5	68.0	34.5	34.0	6.8	12.9	48.0	32.0	1.0	1.0	13.4	16.2	1.2	18.3	3.6	30.0	25.5
BMB-60	72.0	47.5	68.0	47.5	34.0	6.7	12.9	66.0	45.0	1.0	2.9	16.4	16.4	1.1	14.0	3.6	30.0	23.0
BMB-80	72.0	47.5	68.0	47.5	34.0	6.7	12.9	66.0	45.0	1.0	2.9	16.4	16.4	1.1	14.0	3.6	42.6	23.0

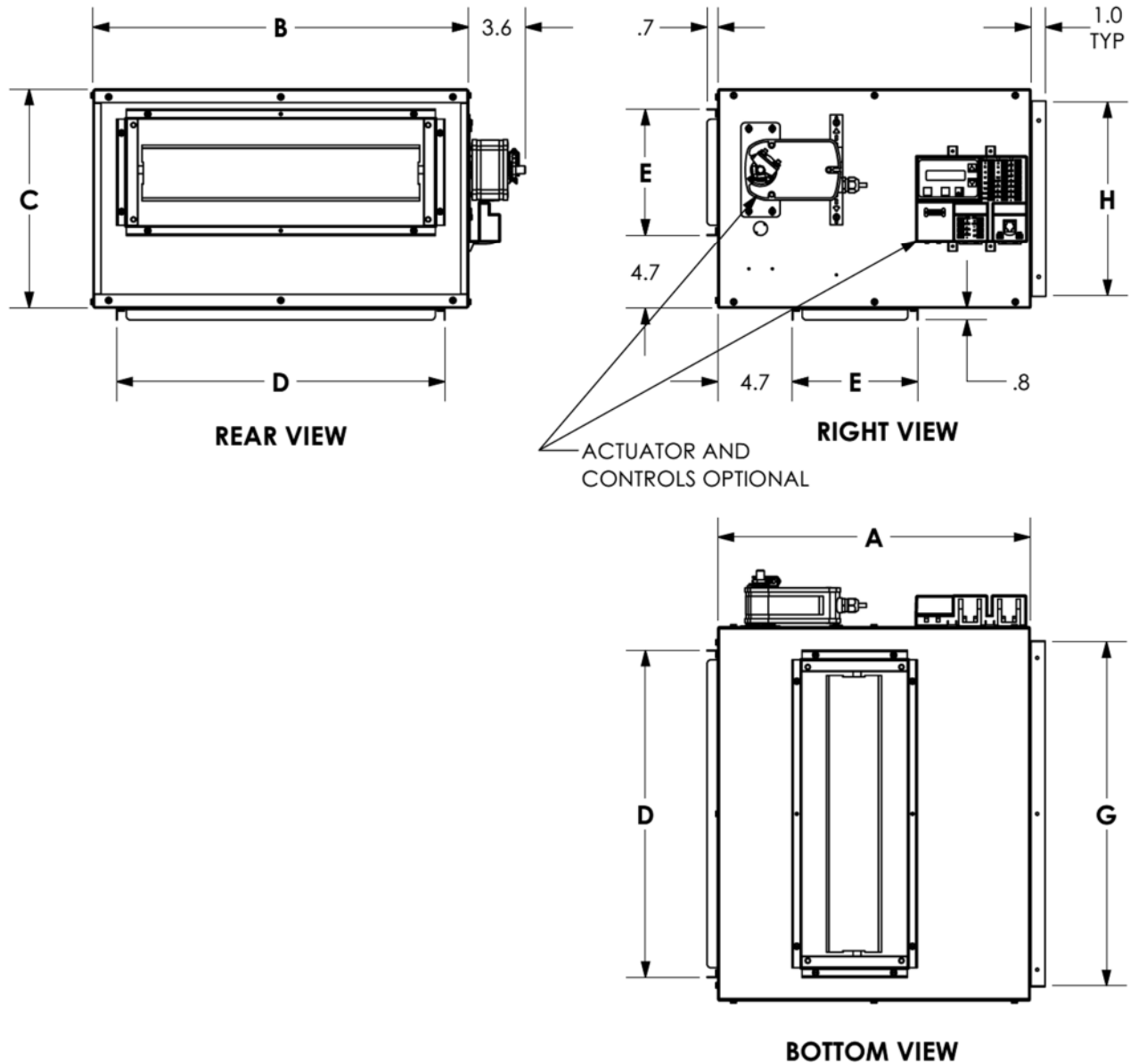
***NOTES:**

- HAND CONNECTIONS DEFINED AS LOOKING AT THE FILTERS IN THE DIRECTION OF AIRFLOW.
- COIL SECTION AND BLOWER SHIP SEPARATELY AND ARE INSTALLED BY OTHERS.

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MIXING BOX ACCESSORY

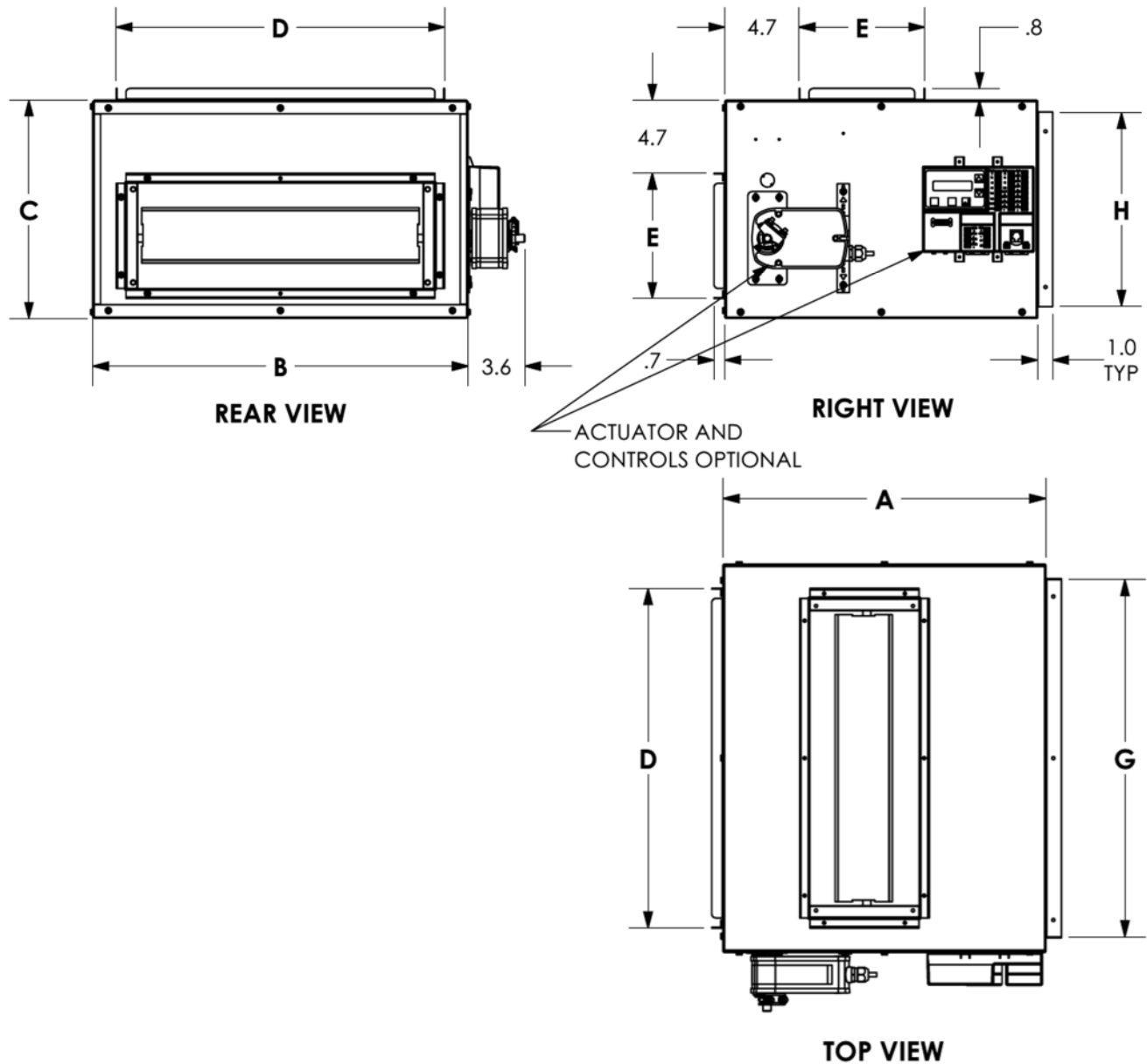
BOTTOM O/A, RH CONTROLS, FITS MODELS BMB/HBB/HCA



UNIT SIZE	MODEL	UNIT OUTLINE			DUCT DIMENSIONS		RETURN CONNECTION TO THE AHU UNIT		APPROX. SHIPPING WEIGHT (LBS)
		LENGTH	WIDTH	HEIGHT	WIDTH (Centered)	HEIGHT	WIDTH (Centered)	HEIGHT (Centered)	
		A	B	C	D	E	G	H	
04/06	MBB04H(M)/ MBB06H(M)	20.0	24.0	14.0	21.0	8.0	22.1	12.4	108
08/12	MBB08H(M)/ MBB12H(M)	24.0	26.5	17.7	24.0	12.0	27.7	16.4	141

MIXING BOX ACCESSORY

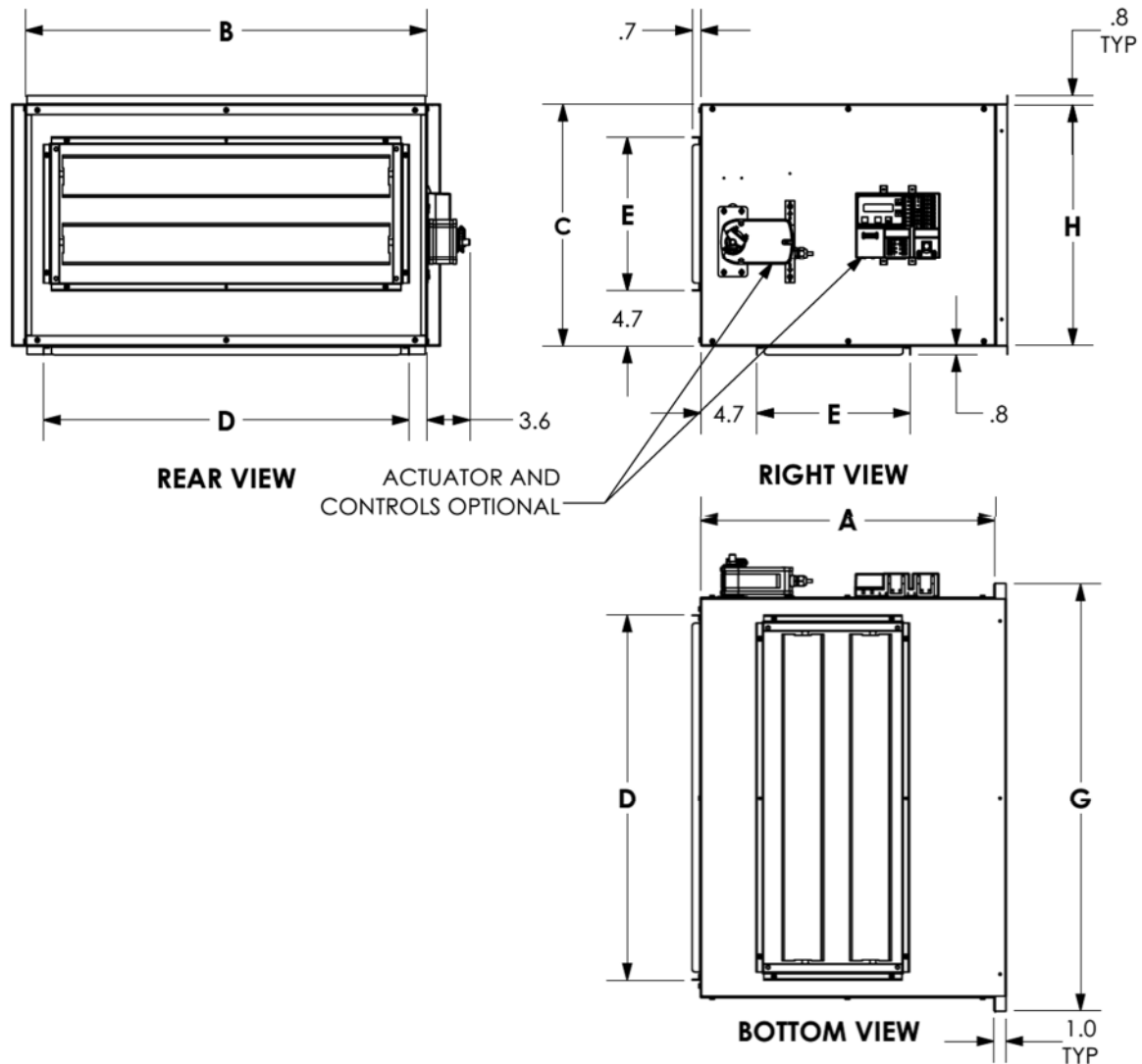
TOP O/A, RH CONTROLS, FITS MODELS BMB/HBB/HCA



UNIT SIZE	MODEL	UNIT OUTLINE			DUCT DIMENSIONS		RETURN CONNECTION TO THE AHU UNIT		APPROX. SHIPPING WEIGHT (LBS)
		LENGTH	WIDTH	HEIGHT	WIDTH (Centered)	HEIGHT	WIDTH (Centered)	HEIGHT (Centered)	
		A	B	C	D	E	G	H	
04/06	MBB04H(M)/ MBB06H(M)	20.0	24.0	14.0	21.0	8.0	22.1	12.4	108
08/12	MBB08H(M)/ MBB12H(M)	24.0	26.5	17.7	24.0	12.0	27.7	16.4	141

MIXING BOX ACCESSORY

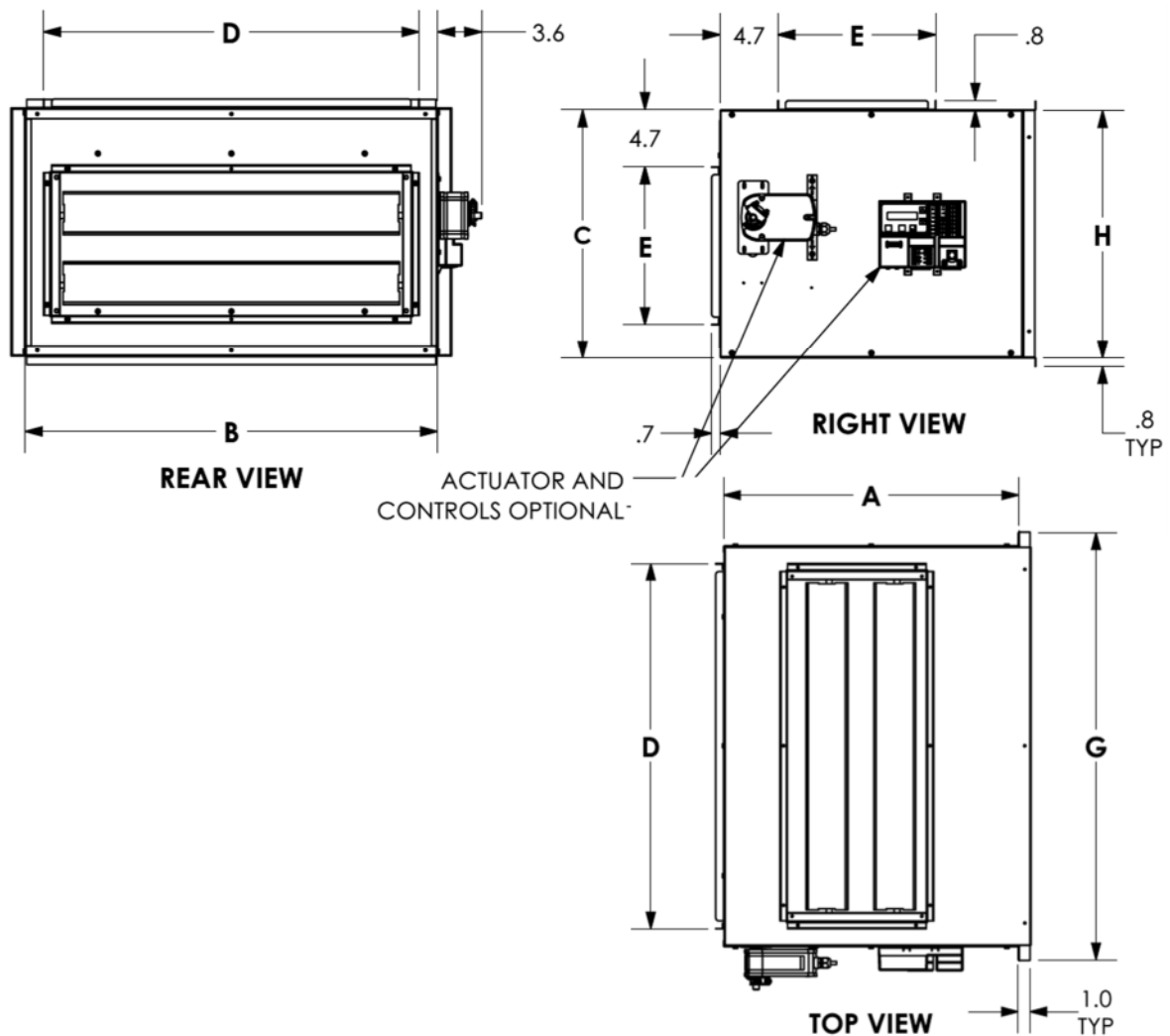
BOTTOM O/A, RH CONTROLS, FITS MODELS BMB/HBB/HCA



UNIT MODEL	UNIT SIZE	MIXING BOX MODEL	UNIT OUTLINE			DUCT DIMENSIONS		RETURN CONNECTION TO THE AHU UNIT		APPROX. SHIPPING WEIGHT (LBS)
			LENGTH	WIDTH	HEIGHT	WIDTH (Centered)	HEIGHT	WIDTH (Centered)	HEIGHT (Centered)	
			A	B	C	D	E	G	H	
HCA/HBB	16/20	MBB16H/MBB20H	25.0	34.0	20.5	31.0	13.0	36.2	20.4	179
BMB	16/20	MBB16M/MBB20M	25.0	34.0	25.5	31.0	13.0	36.2	25.4	185
HCA/HBB/BMB	30/40	MBB30H(M)/MBB40H(M)	31.0	37.0	32.5	30.1	24.1	48.3	32.4	288
HBB	60	MBB60H	35.0	50.0	40.7	43.1	25.1	58.0	40.6	420
	80	MBB80H	39.0	54.0	46.0	47.1	29.1	66.2	45.9	498
BMB	60/80	MBB60M/MBB80M	39.0	54.0	46.0	47.1	29.1	66.2	45.9	498

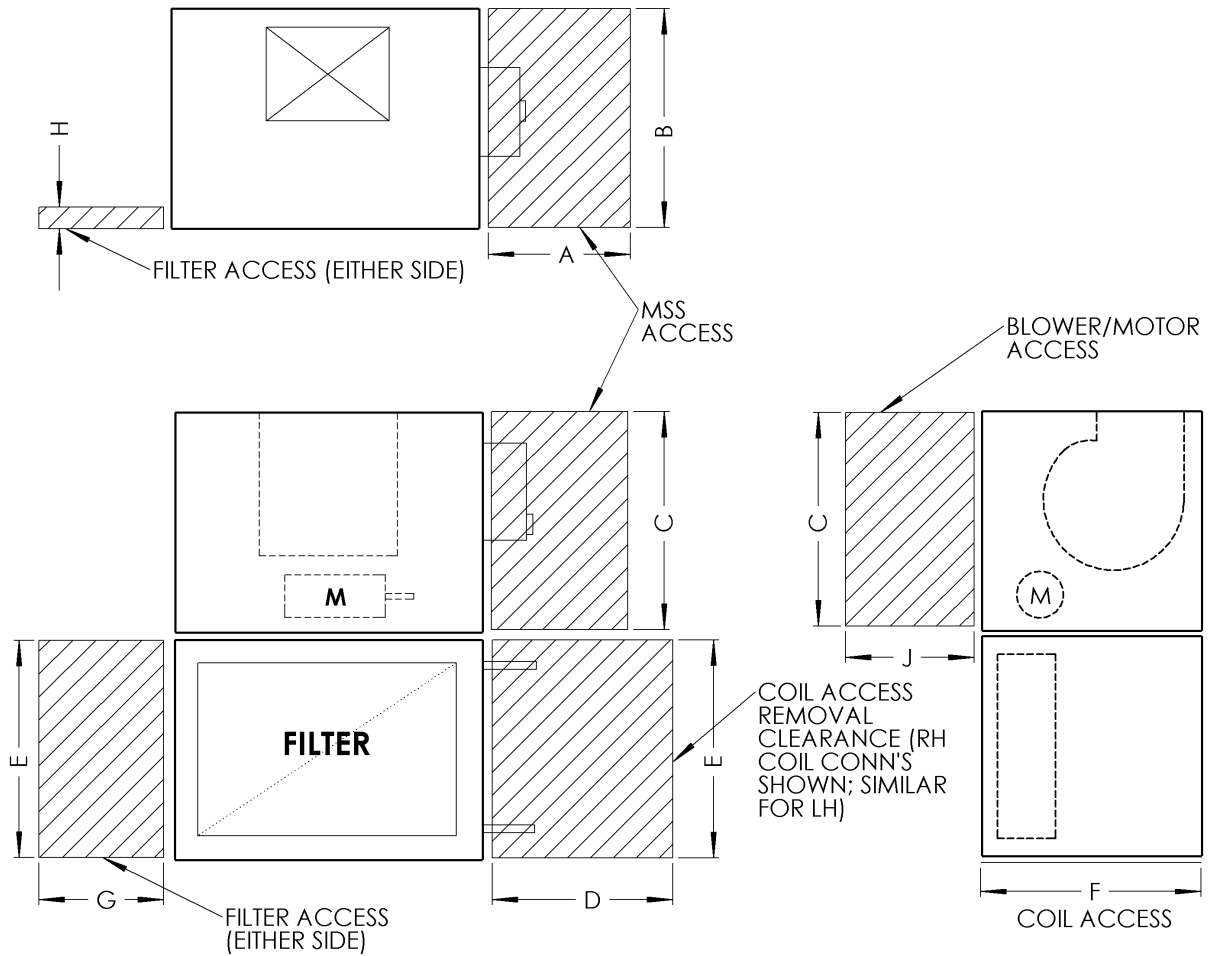
MIXING BOX ACCESSORY

TOP O/A, RH CONTROLS, FITS MODELS BMB/HBB/HCA



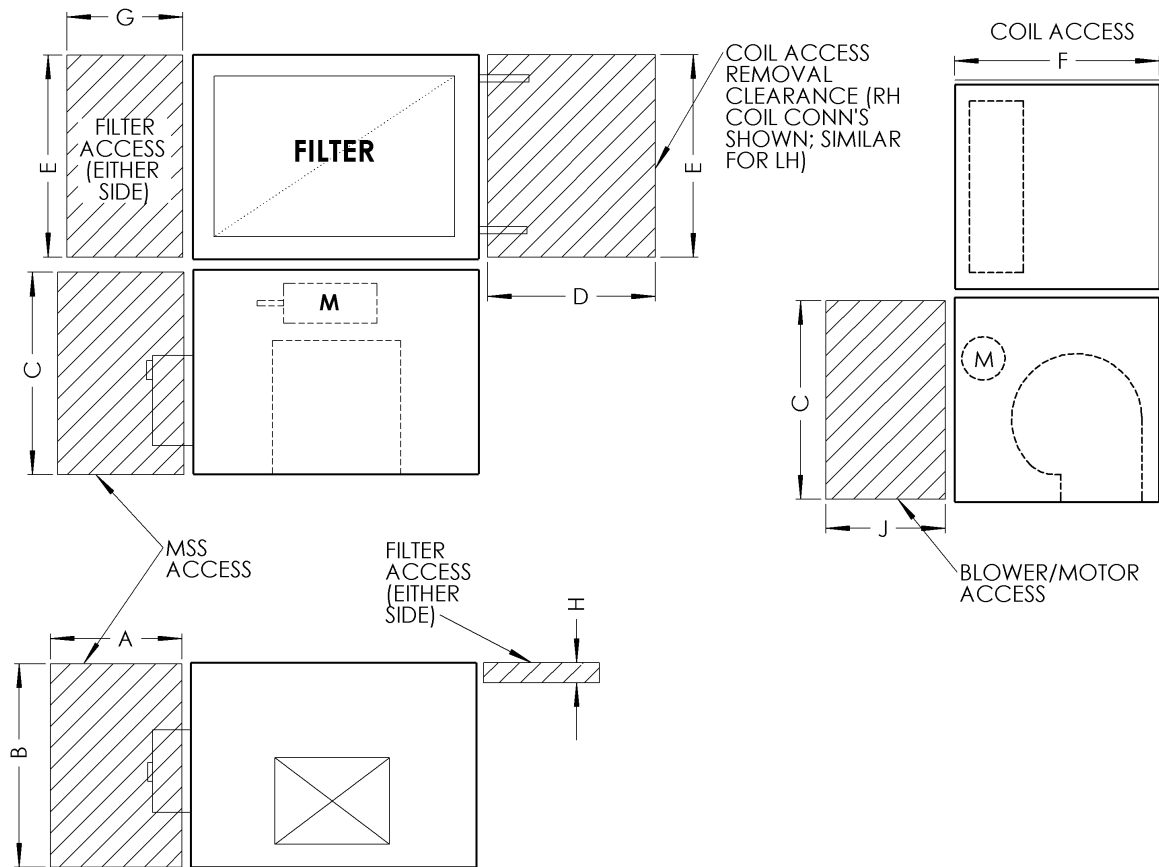
UNIT MODEL	UNIT SIZE	MIXING BOX MODEL	UNIT OUTLINE			DUCT DIMENSIONS		RETURN CONNECTION TO THE AHU UNIT		APPROX. SHIPPING WEIGHT (LBS)
			LENGTH	WIDTH	HEIGHT	WIDTH (Centered)	HEIGHT	WIDTH (Centered)	HEIGHT (Centered)	
			A	B	C	D	E	G	H	
HCA/HBB	16/20	MBB16H/MBB20H	25.0	34.0	20.5	31.0	13.0	36.2	20.4	179
BMB	16/20	MBB16M/MBB20M	25.0	34.0	25.5	31.0	13.0	36.2	25.4	185
HCA/HBB/BMB	30/40	MBB30H(M)/MBB40H(M)	31.0	37.0	32.5	30.1	24.1	48.3	32.4	288
HBB	60	MBB60H	35.0	50.0	40.7	43.1	25.1	58.0	40.6	420
	80	MBB80H	39.0	54.0	46.0	47.1	29.1	66.2	45.9	498
BMB	60/80	MBB60M/MBB80M	39.0	54.0	46.0	47.1	29.1	66.2	45.9	498

BMB Series Service Clearances- Arrangement A



BMB Service Clearances - Arrangement A									
Unit Size	Dimension								
	A	B	C	D	E	F	G	H	J
BMB08	43.0	31.8	36.0	43.0	18.0	31.8	38.0	8.0	30.0
BMB12	43.0	31.8	36.0	43.0	18.0	31.8	38.0	8.0	30.0
BMB16	43.0	26.0	26.0	42.0	25.5	26.0	26.0	8.0	30.0
BMB20	43.0	26.0	26.0	42.0	25.5	26.0	26.0	8.0	30.0
BMB30	43.0	34.0	34.0	54.0	32.0	34.0	31.0	8.0	30.0
BMB40	43.0	34.0	34.0	54.0	32.0	34.0	31.0	8.0	30.0
BMB60	43.0	34.0	34.0	72.0	45.0	34.0	26.0	8.0	30.0
BMB80	43.0	34.0	34.0	72.0	45.0	34.0	26.0	8.0	30.0

BMB Series Service Clearances- Arrangement D

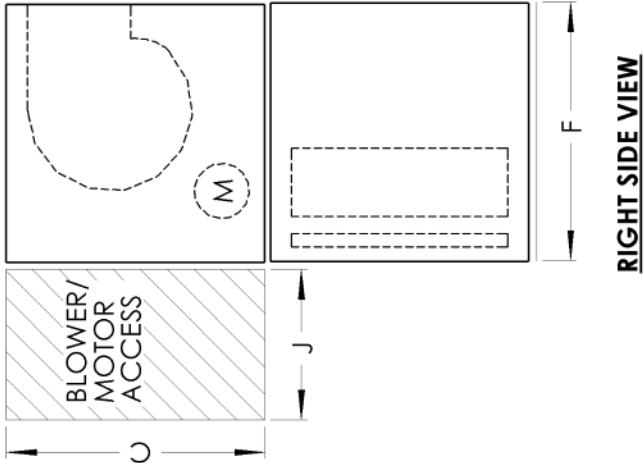
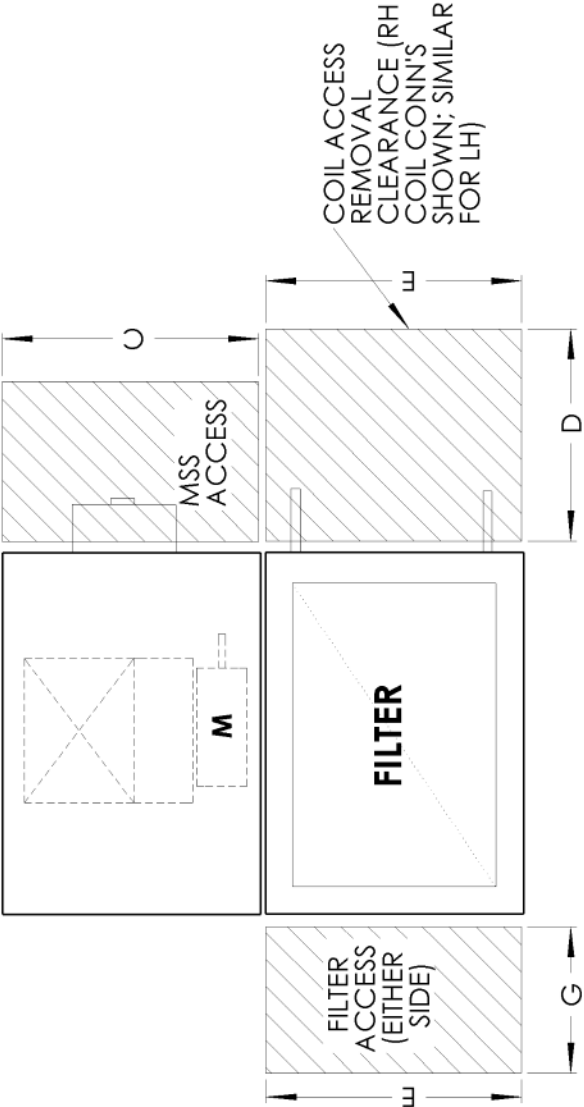
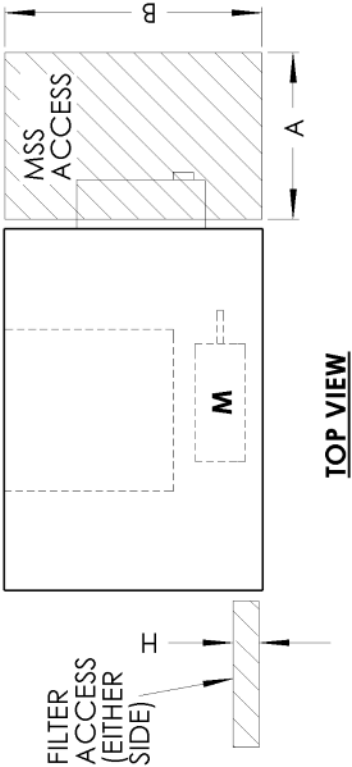


BMB Service Clearances - Arrangement D									
Unit Size	Dimension								
	A	B	C	D	E	F	G	H	J
BMB08	43.0	31.8	36.0	43.0	18.0	31.8	43.0	8.0	30.0
BMB12	43.0	31.8	36.0	43.0	18.0	31.8	43.0	8.0	30.0
BMB16	43.0	26.0	26.0	42.0	25.5	26.0	42.0	8.0	30.0
BMB20	43.0	26.0	26.0	42.0	25.5	26.0	42.0	8.0	30.0
BMB30	43.0	34.0	34.0	54.0	32.0	34.0	54.0	8.0	30.0

BMB Series

Service Clearances- Arrangement H

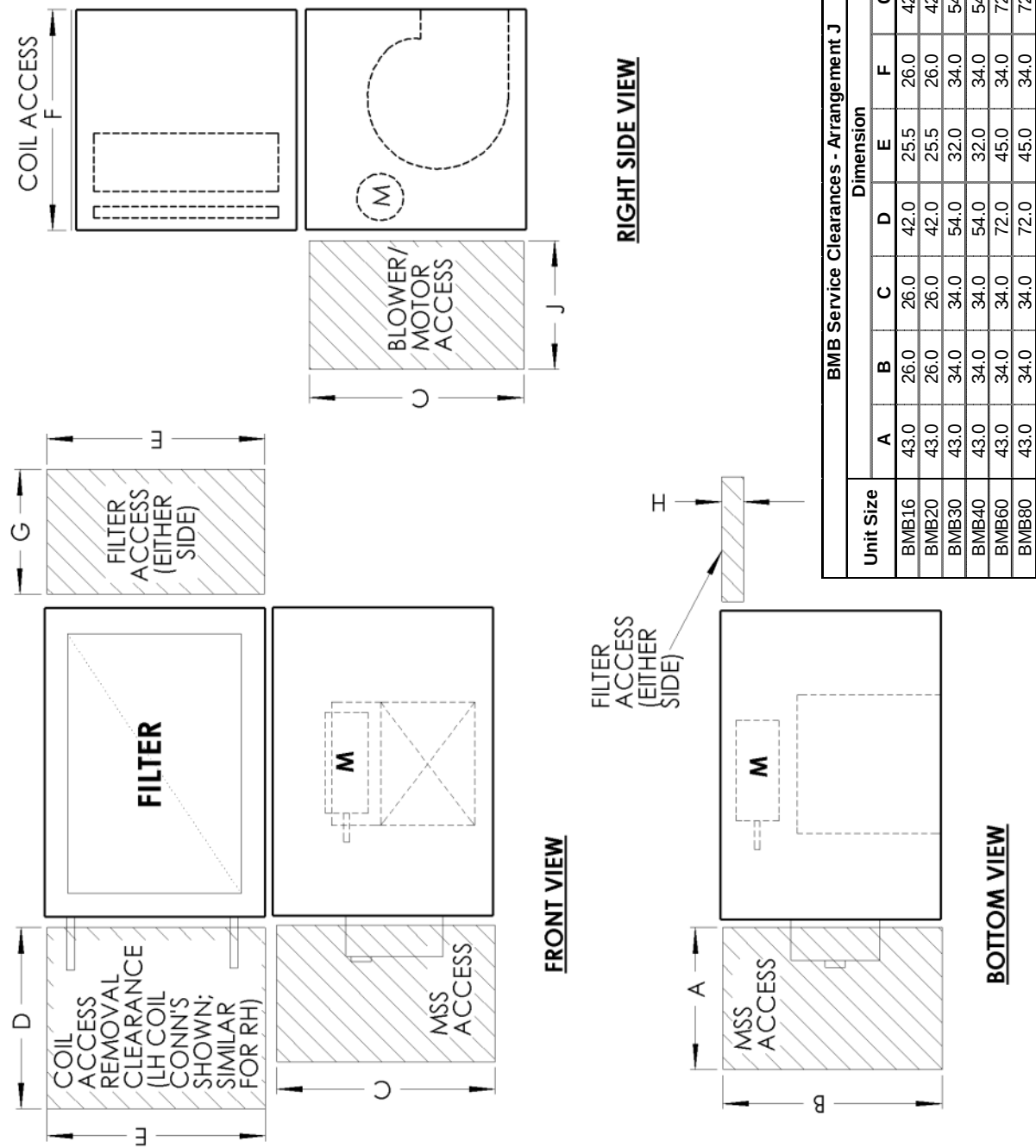
BMB Service Clearances - Arrangement H											
Unit Size	Dimension										
	A	B	C	D	E	F	G	H	J		
BMB16	43.0	26.0	26.0	42.0	25.5	26.0	26.0	8.0	30.0		
BMB20	43.0	26.0	26.0	42.0	25.5	26.0	26.0	8.0	30.0		
BMB30	43.0	34.0	34.0	54.0	32.0	34.0	31.0	8.0	30.0		
BMB40	43.0	34.0	34.0	54.0	32.0	34.0	31.0	8.0	30.0		
BMB60	43.0	34.0	34.0	72.0	45.0	34.0	26.0	8.0	30.0		
BMB80	43.0	34.0	34.0	72.0	45.0	34.0	26.0	8.0	30.0		



BMB Series

Service Clearances-

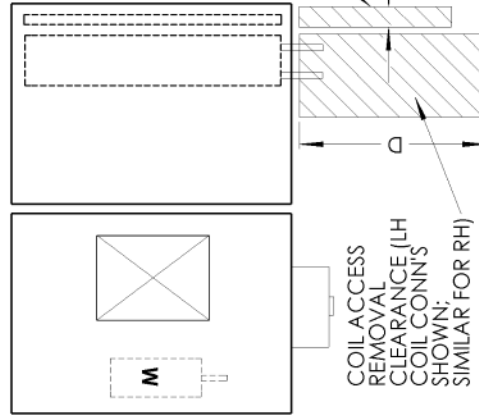
Arrangement J



BMB Series Service Clearances- Arrangement E

BMB Service Clearances - Arrangement E										
Unit Size	Dimension									
	A	B	C	D	E	F	G	H	J	
BMB16	43.0	26.0	26.0	42.0	25.5	26.0	42.0	8.0	30.0	
BMB20	43.0	26.0	26.0	42.0	25.5	26.0	42.0	8.0	30.0	
BMB30	43.0	34.0	34.0	54.0	32.0	34.0	54.0	8.0	30.0	
BMB40	43.0	34.0	34.0	54.0	32.0	34.0	54.0	8.0	30.0	
BMB60	43.0	34.0	34.0	72.0	45.0	34.0	72.0	8.0	30.0	
BMB80	43.0	34.0	34.0	72.0	45.0	34.0	72.0	8.0	30.0	

TOP VIEW

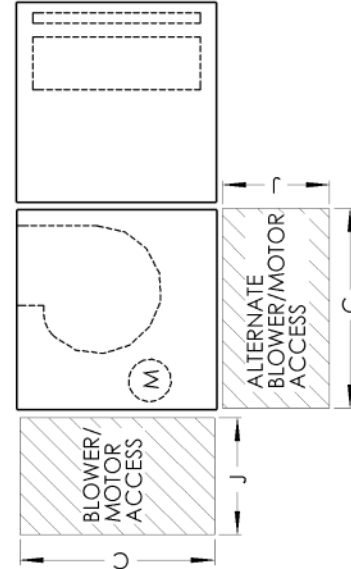


COIL ACCESS
REMOVAL
CLEARANCE (LH
COIL CONN'S
SHOWN; SIMILAR
FOR RH)

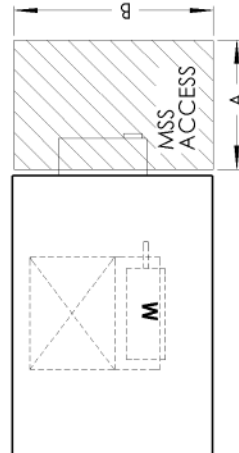
FILTER
ACCESS
(EITHER
SIDE)



REAR VIEW



LEFT SIDE VIEW

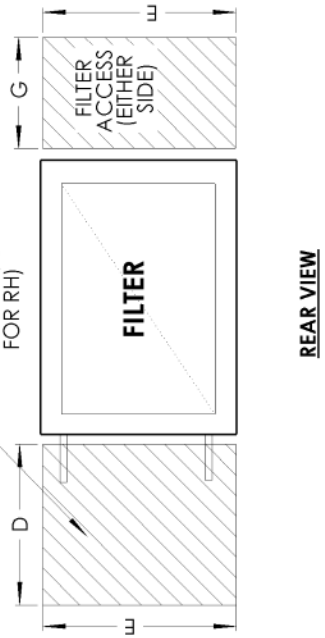
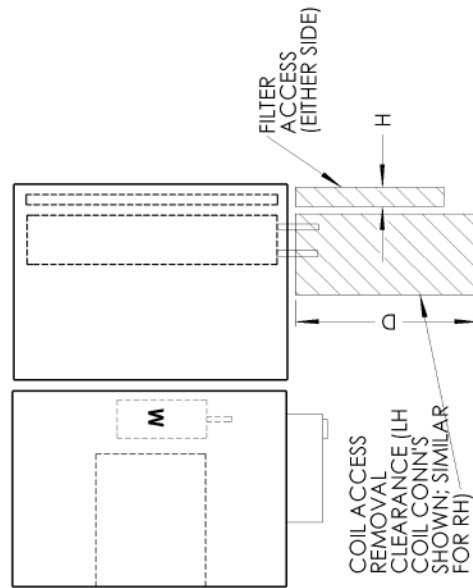


FRONT VIEW

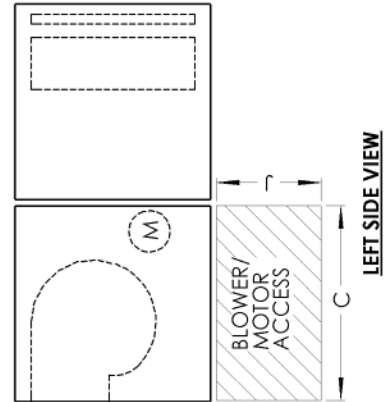
BMB Series Service Clearances- Arrangement K

BMB Service Clearances - Arrangement K										
Unit Size	Dimension									
	A	B	C	D	E	F	G	H	J	
BMB16	43.0	26.0	26.0	42.0	25.5	26.0	42.0	8.0	30.0	
BMB20	43.0	26.0	26.0	42.0	25.5	26.0	42.0	8.0	30.0	
BMB30	43.0	34.0	34.0	54.0	32.0	34.0	54.0	8.0	30.0	
BMB40	43.0	34.0	34.0	54.0	32.0	34.0	54.0	8.0	30.0	
BMB60	43.0	34.0	34.0	72.0	45.0	34.0	72.0	8.0	30.0	

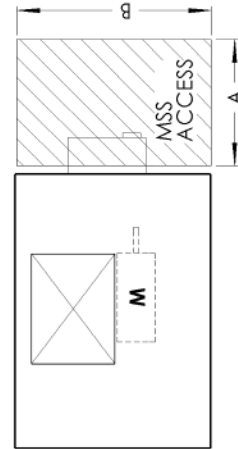
TOP VIEW



REAR VIEW



LEFT SIDE VIEW



FRONT VIEW