

STANDARD CONSTRUCTION:

- 18 GAUGE GALV STEEL HOUSING
- INTERNAL INSULATION - FIBERGLASS 1" (19mm) THICK, MIN 1.5# DENSITY WHICH MEETS THE REQUIREMENTS OF NFPA 90A AND UL181
- REMOVABLE BOTTOM AND SIDE ACCESS PANELS - FULLY INSULATED
- 1" DUCT COLLARS WITH S&D CONNECTIONS ON DISCHARGE AND INLET
- SLOPED GALVANIZED STEEL DRAIN PAN WITH 3/4" MALE NPT CONNECTION, WHICH MEETS THE REQUIREMENTS OF ASHRAE 62
- 9/16" HANGER ROD "THROUGH-BOLT" HOLES FOR SUSPENSION

FAN ASSEMBLY:

- FORWARD CURVED, DOUBLE WIDTH, DOUBLE INLET FAN, DYNAMICALLY BALANCED
- CONCENTRIC LOCK, LUBRICATED BALL BEARINGS
- SOLID STEEL BLOWER SHAFT, GROUND, POLISHED AND KEYED ON BOTH ENDS

MOTOR AND DRIVE ASSEMBLY:

- BLOWER/MOTOR ASSEMBLY IS FULLY ISOLATED FROM UNIT CASING WITH VIBRATION ISOLATORS AND FLEX DUCT
- MOTORS HAVE STANDARD NEMA SERVICE FACTORS AND USE ODP, 56 OR 184 NEMA FRAMES
- V-BELT DRIVE WITH ADJUSTABLE MOTOR BASE AND ADJUSTABLE PITCH DRIVE PULLEY

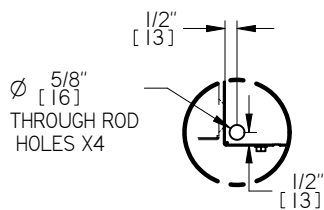
WATER COILS:

- AHRI 410 CERTIFIED
- COILS HAVE COPPER TUBES WITH ALUMINUM FINS, MANUAL AIR VENTS AND 20 GA. GALV STEEL CASINGS
- 1 OR 2 ROW HEATING (PRE/REHEAT), 3,4,6,8 ROW COOLING, UP TO 10 ROWS TOTAL
- LH COILS SHOWN, RH ALSO AVAILABLE. COILS ARE FIELD REVERSABLE FROM LH TO RH

FILTERS & FILTER RACK:

- OPTIONAL 2" FILTER RACK WITH BOTTOM AND SIDE QUICK RELEASE ACCESS DOORS
- MERV 8 & 13 FILTERS AVAILABLE

LH COIL/DRIVE/CONTROL CONFIGURATION SHOWN
HANDING DETERMINED BY LOOKING AT INLET



DETAIL A

IMPERIAL UNITS (inches)

UNIT SIZE	NOMINAL FAN FLOW, CFM	FLOW RANGE, CFM	MAX TSP, in W.G.	W	H	L	B	C	D	E	F	G
08	800	600 - 1000	2	30	15 1/2	43	8 1/4	10 1/4	10 7/8	20 1/4	13 1/4	1 7/8
12	1200	900 - 1400	3	38	15 1/2	43	9 1/4	10 1/4	14 3/8	28 1/4	13 1/4	1 7/8
16	1600	1300 - 1800	3.5	44	18	43	8 1/4	11 1/4	17 7/8	34 1/4	15 3/4	1 1/4
20	2000	1700 - 2400	3.5	50	18	43	9 3/4	11 1/4	20 1/8	40 1/4	15 3/4	1 1/4
30	3000	2300 - 3400	3.5	52	25	50	12 1/4	13 1/2	19 7/8	41 1/4	22 3/4	3 1/4
40	4000	3300 - 4400	3.5	65	25	50	12 3/4	15 3/4	26 1/8	54 1/4	22 3/4	1 1/8

SI UNITS (mm)

UNIT SIZE	NOMINAL FAN FLOW, L/s	FLOW RANGE, L/s	MAX TSP, Pascal	W	H	L	B	C	D	E	F	G
08	378	283 - 472	498	762	394	1092	210	260	276	514	337	48
12	566	425 - 661	747	965	394	1092	235	260	365	718	337	48
16	755	614 - 850	872	1118	457	1092	210	286	454	870	400	32
20	944	802 - 1133	872	1270	457	1092	248	286	511	1022	400	32
30	1416	1085 - 1605	872	1321	635	1270	311	343	505	1048	578	83
40	1888	1557 - 2077	872	1651	635	1270	324	400	664	1378	578	29

ALL METRIC DIMENSIONS () ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE:

SPEC. SYMBOL:



BG

253470

OCT 2011

**BCH
BLOWER COIL
HORIZONTAL**

COILS:

2 PIPE SYSTEM:

1-ROW 2-ROW 3-ROW 4-ROW 6-ROW 8-ROW

4 PIPE SYSTEM:

PREHEAT

1/3-ROW 1/4-ROW 1/6-ROW 1/8-ROW
2/3-ROW 2/4-ROW 2/6-ROW 2/8-ROW

REHEAT

3/1-ROW 4/1-ROW 6/1-ROW 8/1-ROW
3/2-ROW 4/2-ROW 6/2-ROW 8/2-ROW

PIPE ENTRY (LOOKING DOWNSTREAM)

RH LH

COIL CONNECTION SIZES					
UNIT SIZE	1 ROW	2 ROW	3 & 4 ROW	6 ROW	8 ROW
8	5/8	7/8	7/8	7/8	7/8
12	5/8	7/8	7/8	7/8	7/8
16	7/8	7/8	7/8	1 1/8	1 1/8
20	7/8	7/8	1 1/8	1 1/8	1 1/8
30	1 1/8	1 1/8	1 1/8	1 3/8	1 5/8
40	1 1/8	1 1/8	1 3/8	1 5/8	1 5/8

OPTIONS:

LINERS:

SOLID METAL (SM)
FIBER FREE (FF) FOIL BOARD (FB) MIN
 3LB DENSITY

FILTERS

MERV 8 MERV 13

ELECTRICAL:

24V TRANSFORMER
DISCONNECT SWITCH
MOTOR FUSING
MOTOR CONTACTORS

OTHER:

STAINLESS STEEL DRAIN PAN
SECONDARY DRAIN CONNECTION
SPRING HANGER BRACKETS
CONTROLS OPPOSITE TO COIL HAND
BELT DRIVE OPPOSITE TO COIL HAND
HINGED QUICK RELEASE PANELS ON:
SIDE
BOTTOM
SPRING HANGER BRACKETS
SPARE BELT
SPARE FILTERS

MOTOR FULL LOAD AMP DATA								
Phase	Voltage	Nominal Horsepower						
		1/2	3/4	1	1 1/2	2	3	5
1	115	9.8	13.8	16.0	-	-	-	-
	208	5.4	7.6	8.8	11.0	-	-	-
	230	4.9	6.9	8.0	10.0	-	-	-
	277	4.5	6.4	7.4	-	-	-	-
3	208	2.4	3.5	4.6	6.6	7.5	10.6	16.7
	230	2.2	3.2	4.2	6.0	6.8	9.6	15.2
	460	1.1	1.6	2.1	3.0	3.4	4.8	7.6
	575	0.9	1.3	1.7	2.4	2.7	3.9	6.1

- MOTOR FULL LOAD AMPS REFER TO THE NATIONAL ELECTRIC CODE (NFPA 70). ACTUAL NAMEPLATE AMPS MAY VARY. NEC DATA WAS EXTRAPOLATED FOR 277V.
- MOTORS UP TO 460V ARE EQUIPPED WITH AUTOMATIC THERMAL OVERLOAD PROTECTION. 575V MOTORS ARE EQUIPPED WITH MANUAL MOTOR STARTERS.
- MOTORS ARE 60HZ, OPEN DRIP PROOF, BALL BEARING, SINGLE SPEED RATED AT CONTINUOUS DUTY UP TO 104°F (40°C).


UNIT WEIGHT DATA							
	UNIT SIZE						
	8	12	16	20	30	40	
Base Unit	121 (55)	146 (67)	182 (83)	192 (88)	250 (114)	331 (151)	
SM Liner	60 (28)	73 (34)	91 (42)	96 (44)	125 (57)	165 (75)	
COIL ROWS	1 ROW DRY	8 (4)	9 (5)	11 (5)	13 (6)	17 (8)	19 (9)
	1 ROW WET	10 (5)	12 (6)	15 (7)	17 (8)	23 (11)	27 (13)
	2 ROW DRY	12 (6)	14 (7)	18 (9)	21 (10)	27 (13)	33 (15)
	2 ROW WET	16 (8)	19 (9)	25 (12)	29 (14)	39 (18)	47 (22)
	3 ROW DRY	17 (8)	20 (10)	26 (12)	30 (14)	39 (18)	49 (23)
	3 ROW WET	23 (11)	28 (13)	36 (17)	42 (20)	56 (26)	71 (33)
	4 ROW DRY	21 (10)	25 (12)	33 (15)	38 (18)	50 (23)	62 (29)
	4 ROW WET	29 (14)	35 (16)	46 (21)	53 (25)	72 (33)	90 (41)
	6 ROW DRY	29 (14)	36 (17)	47 (22)	53 (25)	72 (33)	89 (41)
	6 ROW WET	40 (19)	50 (23)	67 (31)	76 (35)	105 (48)	132 (60)
	8 ROW DRY	37 (17)	46 (21)	61 (28)	69 (32)	94 (43)	116 (53)
	8 ROW WET	52 (24)	65 (30)	88 (40)	99 (45)	139 (64)	172 (79)

MOTOR WEIGHT DATA							
Type	Motor HP						
	0.5	0.75	1	1.5	2	3	5
Single Phase	20 (10)	24 (11)	29 (14)	35 (16)	-	-	-
Three Phase	21 (10)	22 (10)	24 (11)	27 (13)	35 (16)	43 (20)	79 (36)

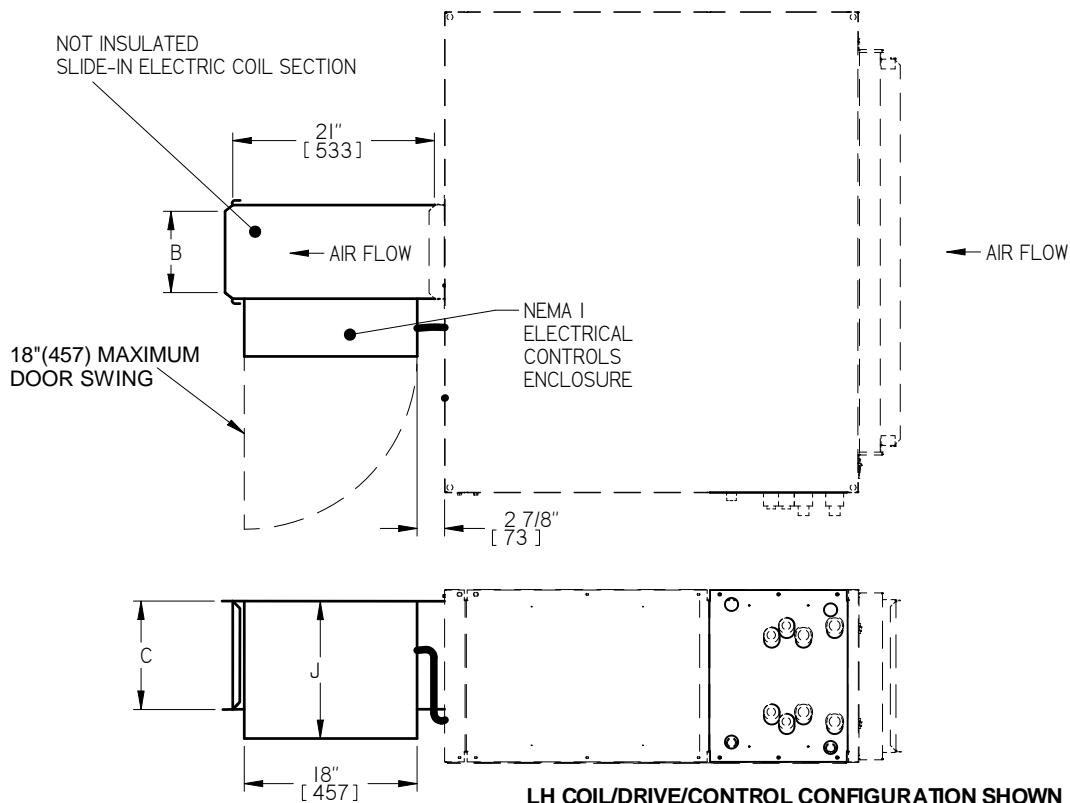
Notes:

1. Weight data is in pounds (kilograms)
2. Base unit includes pulleys, belt and filters

ALL METRIC DIMENSIONS () ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:		 BCH BLOWER COIL HORIZONTAL
ENGINEER:		
CUSTOMER:		
SUBMITTAL DATE:		
SPEC. SYMBOL:		86 253470 OCT 2011

ELECTRIC HEAT OPTION:



IMPERIAL UNITS (inches)

UNIT SIZE	B	C	J
08	8 1/4	10 1/4	12.0
12	9 1/4	10 1/4	12.0
16	8 1/4	11 1/4	12.0
20	9 3/4	11 1/4	12.0
30	12 1/4	13 1/2	17.0
40	12 3/4	15 3/4	17.0

SI UNITS (mm)

UNIT SIZE	B	C	J
08	210	260	305
12	235	260	305
16	210	286	305
20	248	286	305
30	311	343	432
40	324	400	432

STANDARD FEATURES:

- HINGED ACCESS DOOR
- AUTOMATIC RESET THERMAL CUTOUT
- MANUAL RESET THERMAL CUTOUT
- FAN INTERLOCKED WITH HEATING ELEMENTS
- MAGNETIC CONTACTORS WHERE REQUIRED
- 20 GA. GALVANIZED STEEL CONSTRUCTION
- HIGH GRADE NICKEL CHROME HEATING ELEMENTS

SUPPLY VOLTAGE:

- | | |
|-------------------------------|--|
| SINGLE PHASE: | THREE PHASE: |
| <input type="checkbox"/> 115V | <input type="checkbox"/> 208V (3 wire) |
| <input type="checkbox"/> 208V | <input type="checkbox"/> 480V (3 wire) |
| <input type="checkbox"/> 240V | <input type="checkbox"/> 600V (3 wire) |
| <input type="checkbox"/> 277V | |

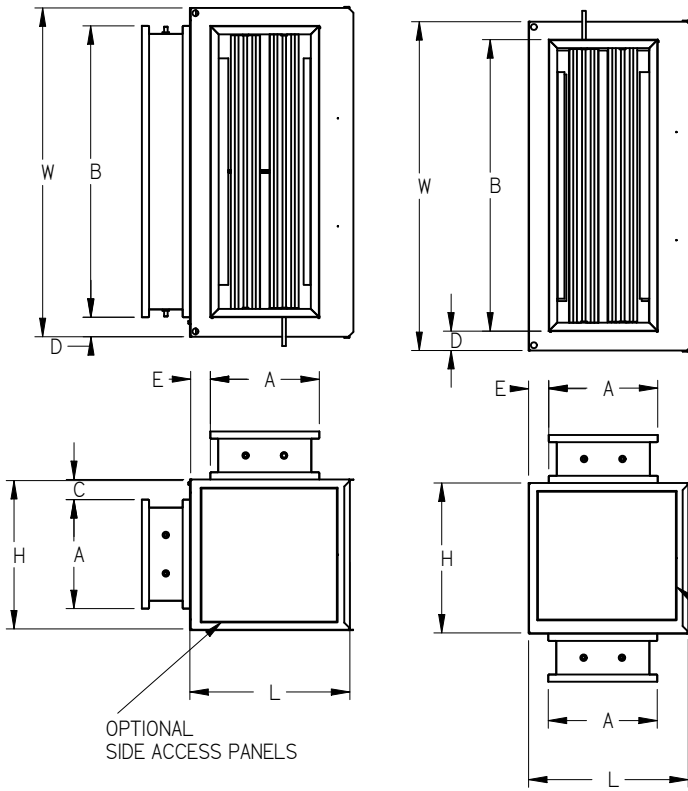
OPTIONAL FEATURES:

- AIR FLOW SWITCH
- CONTROL CIRCUIT FUSE
- DOOR INTERLOCK DISCONNECT SWITCH
- MAIN SUPPLY FUSES
- MERCURY CONTACTORS:
- PSG - PRICE SILENT GUARD CONTROLLER
- DP - DUAL POINT POWER CONNECTION



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PROJECT:		PRICE
ENGINEER: BG		
CUSTOMER:		253470
SUBMITTAL DATE:		OCT 2011
SPEC. SYMBOL:		BCH BLOWER COIL HORIZONTAL W/ ELECTRIC HEAT



NOTES:

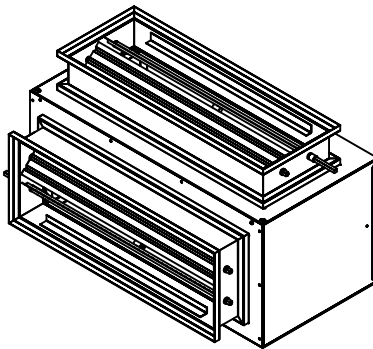
- CONSTRUCTED FROM 18GA GALVANIZED STEEL
- FULLY INSULATED. LINER TO MATCH BCH UNIT
- HEAVY GAUGE OPPOSED BLADE STEEL DAMPERS CONNECTED BY DRIVE ROD
- SLIP AND DRIVE CONNECTION FOR QUICK INSTALLTION TO BLOWER COIL
- DAMPER DRIVE SHAFT (LH/RH) TO MATCH BCH CONTROLS LOCATION

OPTIONS:

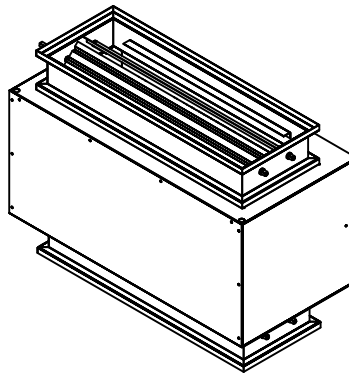
- LOW LEAKAGE DAMPERS
- SIDE ACCESS PANELS

24V ACTUATOR:

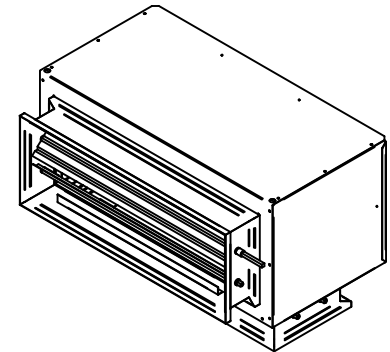
- NONE
- TRI-STATE
- 0-10V MODULATING



XY CONFIGURATION



XZ CONFIGURATION

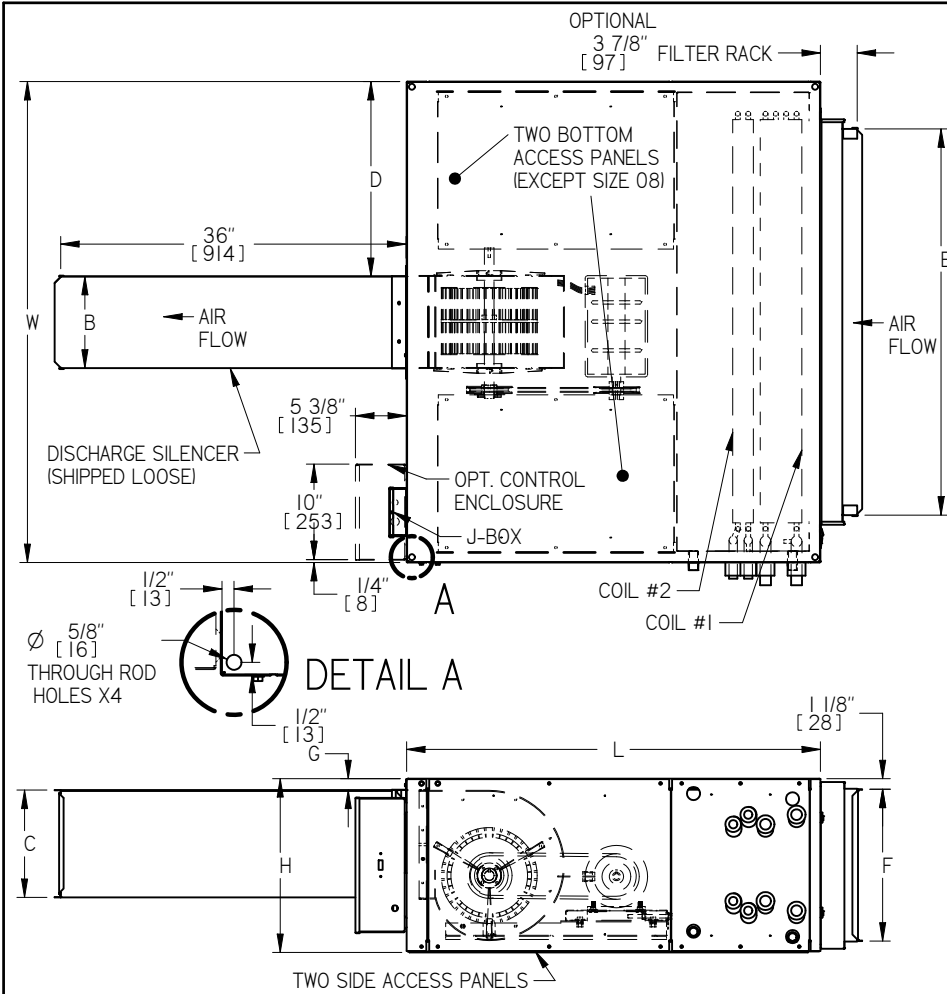


YZ CONFIGURATION

IMPERIAL UNITS (inches)									METRIC UNITS (mm)								
UNIT SIZE	A	B	C	D	E	L	W	H	UNIT SIZE	A	B	C	D	E	L	W	H
BCH08	9 1/4	16 1/4	2 1/8	2 1/8	1 5/8	14 1/8	20 1/4	13 1/4	BCH08	235	413	54	54	41	359	514	337
BCH12	9 1/4	24 1/4	2 1/8	2 1/8	1 5/8	14 1/8	28 1/4	13 1/4	BCH12	235	616	54	54	41	359	718	337
BCH16	11 1/4	30 1/4	2 3/8	2 1/8	1 7/8	16 5/8	34 1/4	15 3/4	BCH16	286	768	60	54	48	422	870	400
BCH20	11 1/4	36 1/4	2 3/8	2 1/8	1 7/8	16 5/8	40 1/4	15 3/4	BCH20	286	921	60	54	48	422	1022	400
BCH30	16 1/4	37 1/4	3 3/8	2 1/8	2 7/8	23 5/8	41 1/4	22 3/4	BCH30	413	946	86	54	73	600	1048	578
BCH40	16 1/4	48	3 3/8	3 1/4	2 7/8	23 5/8	54 1/4	22 3/4	BCH40	413	1219	86	83	73	600	1378	578

ALL METRIC DIMENSIONS () ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:		 BCH HORIZONTAL BLOWER COIL MIXING BOX
ENGINEER:		
CUSTOMER:		
SUBMITTAL DATE:		
SPEC. SYMBOL:		254944 JUNE 2010



STANDARD CONSTRUCTION:

- 18 GAUGE GALV STEEL HOUSING
- INTERNAL INSULATION - FIBERGLASS 1" (19mm) THICK, MIN 1.5# DENSITY WHICH MEETS THE REQUIREMENTS OF NFPA 90A AND UL181
- DISCHARGE SILENCER FABRICATED FROM 22GA CASING AND ABSORPTIVE ACOUSTIC FIBERGLASS LINER
- REMOVABLE BOTTOM AND SIDE ACCESS PANELS - FULLY INSULATED
- 1" DUCT COLLARS WITH S&D CONNECTIONS ON DISCHARGE AND INLET
- SLOPED GALVANIZED STEEL DRAIN PAN WITH 3/4" MALE NPT CONNECTION, WHICH MEETS THE REQUIREMENTS OF ASHRAE 62-2001
- 9/16" HANGER ROD "THROUGH-BOLT" HOLES FOR SUSPENSION

FAN ASSEMBLY:

- FORWARD CURVED, DOUBLE WIDTH, DOUBLE INLET FAN, DYNAMICALLY BALANCED
- CONCENTRIC LOCK, LUBRICATED BALL BEARINGS
- SOLID STEEL BLOWER SHAFT, GROUND, POLISHED AND KEYS ON BOTH ENDS

MOTOR AND DRIVE ASSEMBLY:

- BLOWER/MOTOR ASSEMBLY IS FULLY ISOLATED FROM UNIT CASING WITH VIBRATION ISOLATORS AND FLEX DUCT
- MOTORS HAVE STANDARD NEMA SERVICE FACTORS AND USE ODP, 56 OR 184 NEMA FRAMES
- V-BELT DRIVE WITH ADJUSTABLE MOTOR BASE AND ADJUSTABLE PITCH DRIVE PULLEY

LH COIL/DRIVE/CONTROL CONFIGURATION SHOWN
HANDING DETERMINED BY LOOKING AT INLET

IMPERIAL UNITS (inches)

UNIT SIZE	NOMINAL FAN FLOW, CFM	FLOW RANGE, CFM	MAX TSP, in W.G.	W	H	L	B	C	D	E	F	G
08	800	600 - 1000	2	30	15 1/2	43	8 1/4	10 1/4	10 7/8	20 1/4	13 1/4	17/8
12	1200	900 - 1400	3	38	15 1/2	43	9 1/4	10 1/4	14 3/8	28 1/4	13 1/4	17/8
16	1600	1300 - 1800	3.5	44	18	43	8 1/4	11 1/4	17 7/8	34 1/4	15 3/4	11/4
20	2000	1700 - 2400	3.5	50	18	43	9 3/4	11 1/4	20 1/8	40 1/4	15 3/4	11/4
30	3000	2300 - 3400	3.5	52	25	50	12 1/4	13 1/2	19 7/8	41 1/4	22 3/4	3 1/4
40	4000	3300 - 4400	3.5	65	25	50	12 3/4	15 3/4	26 1/8	54 1/4	22 3/4	1/8

SI UNITS (mm)

UNIT SIZE	NOMINAL FAN FLOW, L/s	FLOW RANGE, L/s	MAX TSP, Pascal	W	H	L	B	C	D	E	F	G
08	378	283 - 472	498	762	394	1092	210	260	276	514	337	48
12	566	425 - 661	747	965	394	1092	235	260	365	718	337	48
16	755	614 - 850	872	1118	457	1092	210	286	454	870	400	32
20	944	802 - 1133	872	1270	457	1092	248	286	511	1022	400	32
30	1416	1085 - 1605	872	1321	635	1270	311	343	505	1048	578	83
40	1888	1557 - 2077	872	1651	635	1270	324	400	664	1378	578	3

ALL METRIC DIMENSIONS () ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.



PROJECT:		 BCHQ BLOWER COIL HORIZONTAL QUIET
ENGINEER:		
CUSTOMER:		
SUBMITTAL DATE:		
SPEC. SYMBOL:		254376 OCT 2011

WATER COILS:

- AHRI 410 CERTIFIED
- COILS HAVE COPPER TUBES WITH ALUMINUM FINNS, MANUAL AIR VENTS AND 20 GA. GALV STEEL CASINGS
- 1 OR 2 ROW HEATING (PRE/REHEAT), 3,4,6,8 ROW COOLING, UP TO 10 ROWS TOTAL
- LH COILS SHOWN, RH ALSO AVAILABLE. COILS ARE FIELD REVERSABLE FROM LH TO RH

2 PIPE SYSTEM:

- 1-ROW 2-ROW 3-ROW 4-ROW 6-ROW 8-ROW

4 PIPE SYSTEM:

- PREHEAT
- 1/3-ROW 1/4-ROW 1/6-ROW 1/8-ROW
- 2/3-ROW 2/4-ROW 2/6-ROW 2/8-ROW
- REHEAT
- 3/1-ROW 4/1-ROW 6/1-ROW 8/1-ROW
- 3/2-ROW 4/2-ROW 6/2-ROW 8/2-ROW

PIPE ENTRY (LOOKING DOWNSTREAM)

- RH LH

FILTERS & FILTER RACK:

- OPTIONAL 2" FILTER RACK WITH BOTTOM AND SIDE QUICK RELEASE ACCESS DOORS
- MERV 8 & 13 FILTERS AVAILABLE

OPTIONS:

LINERS:

- SOLID METAL (SM)
- FIBER FREE (FF) FOIL BOARD (FB) MIN 3LB DENSITY

SILENCER LINERS:

- POLYMER FILM FIBERGLASS CLOTH

FILTERS

- MERV 8 MERV 13

ELECTRICAL:

- 24V TRANSFORMER
- DISCONNECT SWITCH
- MOTOR FUSING
- MOTOR CONTACTORS

OTHER:

- STAINLESS STEEL DRAIN PAN
- SECONDARY DRAIN CONNECTION
- SPRING HANGER BRACKETS
- CONTROLS OPPOSITE TO COIL HAND
- BELT DRIVE OPPOSITE TO COIL HAND
- HINGED QUICK RELEASE PANELS ON:
 - SIDE
 - BOTTOM
- SPRING HANGER BRACKETS
- SPARE BELT
- SPARE FILTERS

COIL CONNECTION SIZES					
UNIT SIZE	1 ROW	2 ROW	3 & 4 ROW	6 ROW	8 ROW
8 & 12	5/8	7/8	7/8	7/8	7/8
16	7/8	7/8	7/8	1 1/8	1 1/8
20	7/8	7/8	1 1/8	1 1/8	1 1/8
30	1 1/8	1 1/8	1 1/8	1 3/8	1 5/8
40	1 1/8	1 1/8	1 3/8	1 5/8	1 5/8

MOTOR FULL LOAD AMP DATA								
Phase	Voltage	Nominal Horsepower						
		1/2	3/4	1	1 1/2	2	3	5
1	115	9.8	13.8	16.0	-	-	-	-
	208	5.4	7.6	8.8	11.0	-	-	-
	230	4.9	6.9	8.0	10.0	-	-	-
	277	4.5	6.4	7.4	-	-	-	-
3	208	2.4	3.5	4.6	6.6	7.5	10.6	16.7
	230	2.2	3.2	4.2	6.0	6.8	9.6	15.2
	460	1.1	1.6	2.1	3.0	3.4	4.8	7.6
	575	0.9	1.3	1.7	2.4	2.7	3.9	6.1


- MOTOR FULL LOAD AMPS REFER TO THE NATIONAL ELECTRIC CODE (NFPA 70). ACTUAL NAMEPLATE AMPS MAY VARY. NEC DATA WAS EXTRAPOLATED FOR 277V.
- MOTORS UP TO 460V ARE EQUIPPED WITH AUTOMATIC THERMAL OVERLOAD PROTECTION. 575V MOTORS ARE EQUIPPED WITH MANUAL MOTOR STARTERS.
- MOTORS ARE 60HZ, OPEN DRIP PROOF, BALL BEARING, SINGLE SPEED RATED AT CONTINUOUS DUTY UP TO 104°F (40°C).

UNIT WEIGHT DATA							
		UNIT SIZE					
		8	12	16	20	30	40
Base Unit		141 (64)	167 (76)	202 (92)	214 (98)	278 (127)	362 (165)
SM Liner		60 (28)	73 (34)	91 (42)	96 (44)	125 (57)	165 (75)
COIL ROWS	1 ROW DRY	8 (4)	9 (5)	11 (5)	13 (6)	17 (8)	19 (9)
	1 ROW WET	10 (5)	12 (6)	15 (7)	17 (8)	23 (11)	27 (13)
	2 ROW DRY	12 (6)	14 (7)	18 (9)	21 (10)	27 (13)	33 (15)
	2 ROW WET	16 (8)	19 (9)	25 (12)	29 (14)	39 (18)	47 (22)
	3 ROW DRY	17 (8)	20 (10)	26 (12)	30 (14)	39 (18)	49 (23)
	3 ROW WET	23 (11)	28 (13)	36 (17)	42 (20)	56 (26)	71 (33)
	4 ROW DRY	21 (10)	25 (12)	33 (15)	38 (18)	50 (23)	62 (29)
	4 ROW WET	29 (14)	35 (16)	46 (21)	53 (25)	72 (33)	90 (41)
	6 ROW DRY	29 (14)	36 (17)	47 (22)	53 (25)	72 (33)	89 (41)
	6 ROW WET	40 (19)	50 (23)	67 (31)	76 (35)	105 (48)	132 (60)
	8 ROW DRY	37 (17)	46 (21)	61 (28)	69 (32)	94 (43)	116 (53)
	8 ROW WET	52 (24)	65 (30)	88 (40)	99 (45)	139 (64)	172 (79)

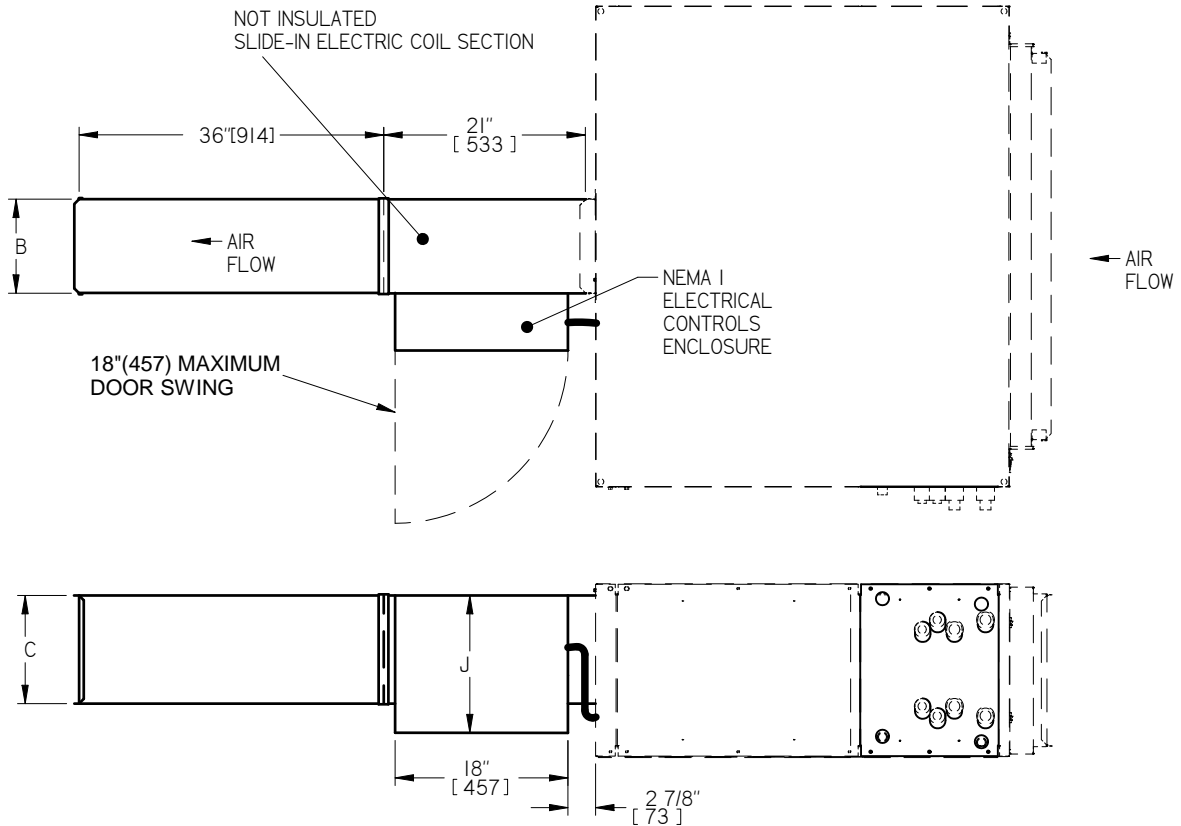
MOTOR WEIGHT DATA							
Type	Motor HP						
	0.5	0.75	1	1.5	2	3	5
Single Phase	20 (10)	24 (11)	29 (14)	35 (16)	-	-	-
Three Phase	21 (10)	22 (10)	24 (11)	27 (13)	35 (16)	43 (20)	79 (36)

- Notes: 1. Weight data is in pounds (kilograms)
- 2. Base unit includes pulleys, belt and filters

ALL METRIC DIMENSIONS () ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:		 BCHQ BLOWER COIL HORIZONTAL QUIET
ENGINEER:		
CUSTOMER:		
SUBMITTAL DATE:		
SPEC. SYMBOL:		86 254376 OCT 2011

ELECTRIC HEAT OPTION:



LH COIL/DRIVE/CONTROL CONFIGURATION SHOWN
HANDING DETERMINED BY LOOKING AT INLET

IMPERIAL UNITS (inches)

UNIT SIZE	B	C	J
08	8 1/4	10 1/4	12.0
12	9 1/4	10 1/4	12.0
16	8 1/4	11 1/4	12.0
20	9 3/4	11 1/4	12.0
30	12 1/4	13 1/2	17.0
40	12 3/4	15 3/4	17.0

SI UNITS (mm)

UNIT SIZE	B	C	J
08	210	260	305
12	235	260	305
16	210	286	305
20	248	286	305
30	311	343	432
40	324	400	432

STANDARD FEATURES:

- HINGED ACCESS DOOR
- AUTOMATIC RESET THERMAL CUTOUT
- MANUAL RESET THERMAL CUTOUT
- FAN INTERLOCKED WITH HEATING ELEMENTS
- MAGNETIC CONTACTORS WHERE REQUIRED
- 20 GA. GALVANIZED STEEL CONSTRUCTION
- HIGH GRADE NICKEL CHROME HEATING ELEMENTS

SUPPLY VOLTAGE:

- | | |
|-------------------------------|--|
| SINGLE PHASE: | THREE PHASE: |
| <input type="checkbox"/> 115V | <input type="checkbox"/> 208V (3 wire) |
| <input type="checkbox"/> 208V | <input type="checkbox"/> 480V (3 wire) |
| <input type="checkbox"/> 240V | <input type="checkbox"/> 600V (3 wire) |
| <input type="checkbox"/> 277V | |

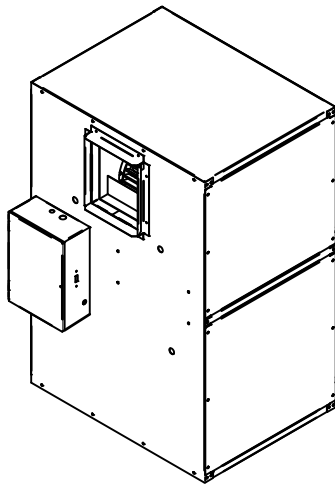
OPTIONAL FEATURES:

- AIR FLOW SWITCH
- CONTROL CIRCUIT FUSE
- DOOR INTERLOCK DISCONNECT SWITCH
- MAIN SUPPLY FUSES
- MERCURY CONTACTORS:
- PSG - PRICE SILENT GUARD CONTROLLER
- DP - DUAL POINT POWER CONNECTION

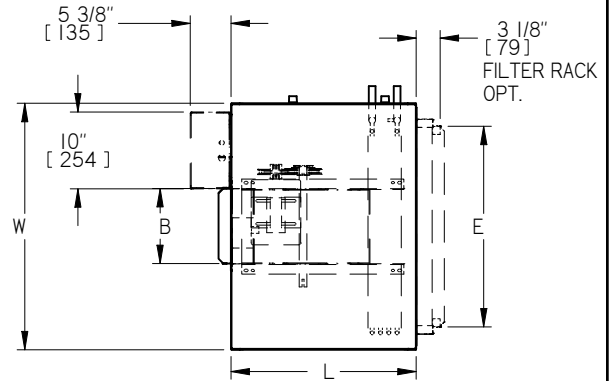


ALL METRIC DIMENSIONS () ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:	PRICE	
ENGINEER:	BB	BCHQ BLOWER COIL HORIZONTAL QUIET
CUSTOMER:	254376	
SUBMITTAL DATE:	OCT 2011	
SPEC. SYMBOL:		



RH COIL/DRIVE/CONTROL CONFIGURATION SHOWN.
 *HANDING IS DETERMINED BY LOOKING AT THE INLET.



STANDARD CONSTRUCTION:

- 18 GAUGE GALV STEEL HOUSING
- INTERNAL INSULATION - FIBERGLASS 1" (19mm) THICK, MIN 1.5# DENSITY WHICH MEETS THE REQUIREMENTS OF NFPA 90A AND UL181
- REMOVABLE SIDE ACCESS PANELS - FULLY INSULATED
- 4" DUCT COLLARS WITH S&D CONNECTIONS ON DISCHARGE AND INLET
- SLOPED GALVANIZED STEEL DRAIN PAN WITH 3/4" MALE NPT CONNECTION, WHICH MEETS THE REQUIREMENTS OF ASHRAE 62

FAN ASSEMBLY:

- FORWARD CURVED, DOUBLE WIDTH, DOUBLE INLET FAN, DYNAMICALLY BALANCED
- CONCENTRIC LOCK, LUBRICATED BALL BEARINGS
- SOLID STEEL BLOWER SHAFT, GROUND, POLISHED AND KEYED ON BOTH ENDS

MOTOR AND DRIVE ASSEMBLY:

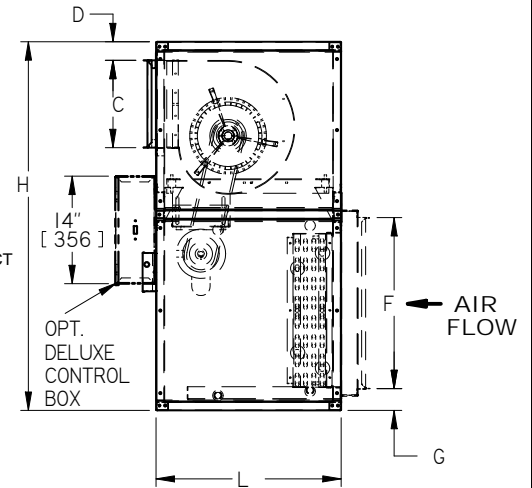
- BLOWER/MOTOR ASSEMBLY IS FULLY ISOLATED FROM UNIT CASING WITH VIBRATION ISOLATORS AND FLEX DUCT
- MOTORS HAVE STANDARD NEMA SERVICE FACTORS AND FRAME SIZES
- V-BELT DRIVE WITH ADJUSTABLE MOTOR BASE AND ADJUSTABLE PITCH DRIVE PULLEY

WATER COILS:

- AHRI 410 CERTIFIED
- COILS HAVE COPPER TUBES WITH ALUMINUM FINS, MANUAL AIR VENTS AND 20 GA. GALV STEEL CASINGS
- 1 OR 2 ROW HEATING (PRE/REHEAT), 3,4,6,8 ROW COOLING, UP TO 10 ROWS TOTAL
- RH COILS SHOWN, LH ALSO AVAILABLE. COILS ARE FIELD REVERSABLE FROM LH TO RH

FILTERS & FILTER RACK:

- OPTIONAL 2" FILTER RACK WITH SIDE QUICK RELEASE ACCESS DOORS
- MERV 8 & 13 FILTERS AVAILABLE



FRONT DISCHARGE CONFIGURATION SHOWN

IMPERIAL UNITS (inches)

UNIT SIZE	NOMINAL FAN FLOW, CFM	FLOW RANGE, CFM	MAX TSP, in W.G.	W	H	L	B	C	D	E	F	G
08	800	600 - 1000	2	24	44	24	8 1/4	10 1/4	2 1/4	18	16	3 3/4
12	1200	900 - 1400	3	28	44	24	9 1/4	10 1/4	2	22	18	3 1/4
16	1600	1300 - 1800	3.5	32	48	24	9 3/4	11 3/8	2 3/8	26	22 1/8	2 7/8
20	2000	1700 - 2400	3.5	40	48	24	10 1/2	12 1/2	2	34	22 1/8	2 7/8
30	3000	2300 - 3400	3.5	44	58	28	13 1/4	13 1/2	2	38 1/2	25 3/8	3 1/4
40	4000	3300 - 4400	3.5	55	58	28	14 3/4	16	2 1/4	49 1/2	25 3/8	2 3/4

SI UNITS (mm)

UNIT SIZE	NOMINAL FAN FLOW, L/s	FLOW RANGE, L/s	MAX TSP, Pascal	W	H	L	B	C	D	E	F	G
08	378	283 - 472	498	610	1118	610	210	261	58	458	407	95
12	566	425 - 661	747	712	1118	610	235	261	51	559	458	82
16	755	614 - 850	872	813	1220	610	248	289	61	661	564	72
20	944	802 - 1133	872	1016	1220	610	267	318	51	864	564	72
30	1416	1085 - 1605	872	1118	1474	712	337	343	51	978	644	82
40	1888	1557 - 2077	872	1397	1474	712	375	407	58	1258	644	69

ALL METRIC DIMENSIONS () ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.



PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE:

SPEC. SYMBOL:

PRICE	
86	BCV BLOWER COIL VERTICAL
258826	
2012/01/16	

COILS OPTIONS:

2 PIPE SYSTEM:

1-ROW 2-ROW 3-ROW 4-ROW 6-ROW 8-ROW

4 PIPE SYSTEM:

PREHEAT
1/3-ROW 1/4-ROW 1/6-ROW 1/8-ROW
2/3-ROW 2/4-ROW 2/6-ROW 2/8-ROW

REHEAT
3/1-ROW 4/1-ROW 6/1-ROW 8/1-ROW
3/2-ROW 4/2-ROW 6/2-ROW 8/2-ROW

PIPE ENTRY (LOOKING AT INLET)

RH LH

COIL CONNECTION SIZES					
UNIT SIZE	1 ROW	2 ROW	3 & 4 ROW	6 ROW	8 ROW
8 & 12	7/8	7/8	7/8	7/8	7/8
16	7/8	7/8	7/8	1 1/8	1 1/8
20	7/8	7/8	1 1/8	1 1/8	1 1/8
30	1 1/8	1 1/8	1 1/8	1 3/8	1 5/8
40	1 1/8	1 1/8	1 3/8	1 5/8	1 5/8

UNIT OPTIONS:

LINERS:

SOLID METAL (SM)
FIBER FREE (FF)
FOIL BOARD (FB) MIN 3LB DENSITY

FILTERS:

MERV 8 MERV 13

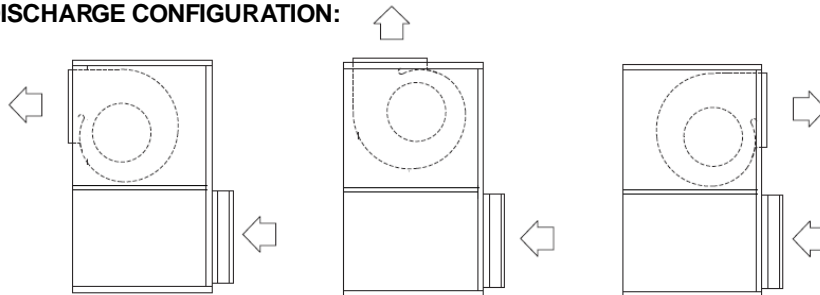
ELECTRICAL:

24V TRANSFORMER
DISCONNECT SWITCH
MOTOR FUSING
MOTOR CONTACTORS

OTHER:

STAINLESS STEEL DRAIN PAN
SECONDARY DRAIN CONNECTION
CONTROLS OPPOSITE TO COIL HAND
BELT DRIVE OPPOSITE TO COIL HAND
SPARE BELT
SPARE FILTERS

DISCHARGE CONFIGURATION:



FRONT

TOP

BACK

ALL METRIC DIMENSIONS () ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

MOTOR FULL LOAD AMP DATA								
Phase	Voltage	Nominal Horsepower						
		1/2	3/4	1	1 1/2	2	3	5
1	115	9.8	13.8	16.0	-	-	-	-
	208	5.4	7.6	8.8	11.0	-	-	-
	230	4.9	6.9	8.0	10.0	-	-	-
	277	4.5	6.4	7.4	-	-	-	-
3	208	2.4	3.5	4.6	6.6	7.5	10.6	16.7
	230	2.2	3.2	4.2	6.0	6.8	9.6	15.2
	460	1.1	1.6	2.1	3.0	3.4	4.8	7.6
	575	0.9	1.3	1.7	2.4	2.7	3.9	6.1

- MOTOR FULL LOAD AMPS REFER TO THE NATIONAL ELECTRIC CODE (NFPA 70). ACTUAL NAMEPLATE AMPS MAY VARY. NEC DATA WAS EXTRAPOLATED FOR 277V.
- MOTORS UP TO 460V ARE EQUIPPED WITH AUTOMATIC THERMAL OVERLOAD PROTECTION. 575V MOTORS ARE EQUIPPED WITH MANUAL MOTOR STARTERS.
- MOTORS ARE 60HZ, OPEN DRIP PROOF, BALL BEARING, SINGLE SPEED RATED AT CONTINUOUS DUTY UP TO 104°F (40°C).

UNIT WEIGHT DATA							
		UNIT SIZE					
		8	12	16	20	30	40
Base Unit		120 (55)	130 (59)	177 (80)	194 (88)	238 (108)	298 (135)
SM Liner		60 (27)	65 (30)	89 (40)	97 (44)	119 (54)	149 (68)
COIL ROWS	1 ROW DRY	8 (4)	10 (5)	11 (5)	13 (6)	17 (8)	19 (9)
	1 ROW WET	11 (5)	13 (6)	15 (7)	18 (8)	23 (10)	27 (12)
	2 ROW DRY	12 (5)	15 (7)	18 (8)	22 (10)	28 (13)	33 (15)
	2 ROW WET	17 (8)	21 (10)	25 (11)	30 (14)	40 (18)	48 (22)
	3 ROW DRY	17 (8)	22 (10)	25 (11)	31 (14)	40 (18)	49 (22)
	3 ROW WET	24 (11)	30 (14)	35 (16)	44 (20)	58 (26)	71 (32)
	4 ROW DRY	22 (10)	27 (12)	32 (15)	39 (18)	51 (23)	62 (28)
	4 ROW WET	30 (14)	38 (17)	45 (20)	56 (25)	74 (34)	91 (41)
	6 ROW DRY	30 (14)	38 (17)	46 (21)	55 (25)	73 (33)	90 (41)
	6 ROW WET	42 (19)	54 (25)	66 (30)	80 (36)	108 (49)	134 (61)
	8 ROW DRY	39 (18)	49 (22)	59 (27)	72 (33)	96 (44)	117 (53)
	8 ROW WET	55 (25)	71 (32)	85 (39)	104 (47)	142 (65)	175 (80)

MOTOR WEIGHT DATA							
Type	Motor HP						
	0.5	0.75	1	1.5	2	3	5
Single Phase	20 (10)	24 (11)	29 (14)	35 (16)	-	-	-
Three Phase	21 (10)	22 (10)	24 (11)	27 (13)	35 (16)	43 (20)	79 (36)

Notes:

1. Weight data is in pounds (kilograms)

2. Base unit includes pulleys, belt and filters

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE:

SPEC. SYMBOL:

PRICE	
86	BCV BLOWER COIL VERTICAL
258826	
2012/01/16	

IMPERIAL UNITS (inches)

UNIT SIZE	B	C	J
08	8 1/4	10 1/4	12.0
12	9 1/4	10 1/4	12.0
16	9 3/4	11 3/8	12.0
20	10 1/2	12 1/2	12.0
30	13 1/4	13 1/2	17.0
40	14 3/4	16	17.0

SI UNITS (mm)

UNIT SIZE	B	C	J
08	210	261	305
12	235	261	305
16	248	289	305
20	267	318	305
30	337	343	432
40	375	407	432

STANDARD FEATURES:

- HINGED ACCESS DOOR
- AUTOMATIC RESET THERMAL CUTOUT
- MANUAL RESET THERMAL CUTOUT
- FAN INTERLOCKED WITH HEATING ELEMENTS
- MAGNETIC CONTACTORS WHERE REQUIRED
- 20 GA. GALVANIZED STEEL CONSTRUCTION
- HIGH GRADE NICKEL CHROME HEATING ELEMENTS
- SINGLE POINT ELECTRICAL CONNECTION, EXCEPT 600V

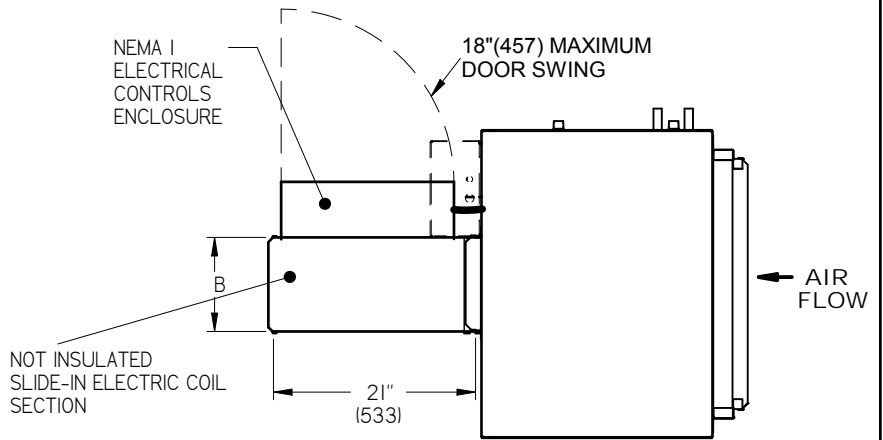
SUPPLY VOLTAGE:

- | | |
|-------------------------------|--|
| SINGLE PHASE: | THREE PHASE: |
| <input type="checkbox"/> 115V | <input type="checkbox"/> 208V (3 wire) |
| <input type="checkbox"/> 208V | <input type="checkbox"/> 480V (3 wire) |
| <input type="checkbox"/> 240V | <input type="checkbox"/> 600V (3 wire) |
| <input type="checkbox"/> 277V | |

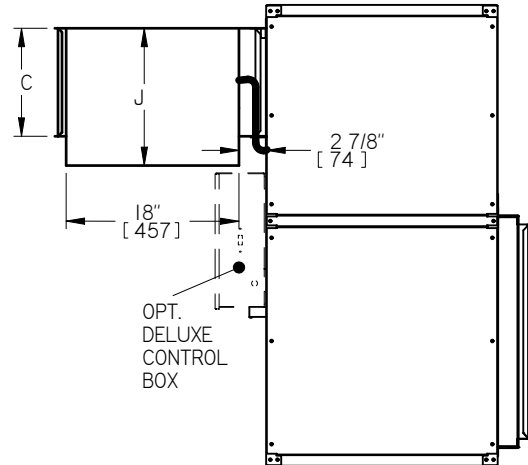
OPTIONAL FEATURES:

- AIR FLOW SWITCH
- CONTROL CIRCUIT FUSE
- DOOR INTERLOCK DISCONNECT SWITCH
- MAIN SUPPLY FUSES
- MERCURY CONTACTORS:
- PSG - PRICE SILENT GUARD CONTROLLER
- DP - DUAL POINT POWER CONNECTION
- EXTERNALLY WRAPPED HEATER
- (FOIL FACED FIBERGLASS INSULATION)

RH COIL/DRIVE/CONTROL CONFIGURATION SHOWN.
*HANDING IS DETERMINED BY LOOKING AT THE INLET.

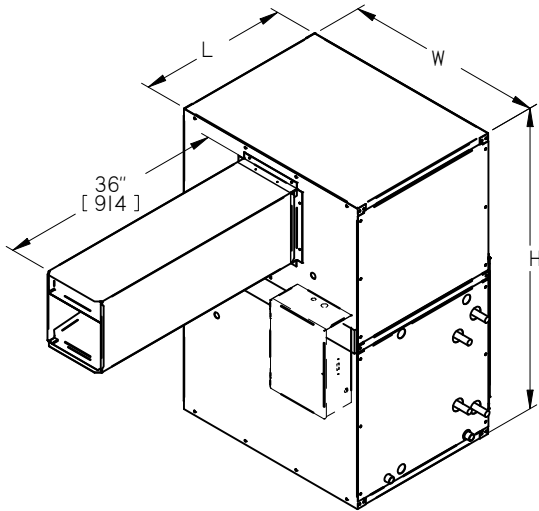


FRONT DISCHARGE CONFIGURATION SHOWN

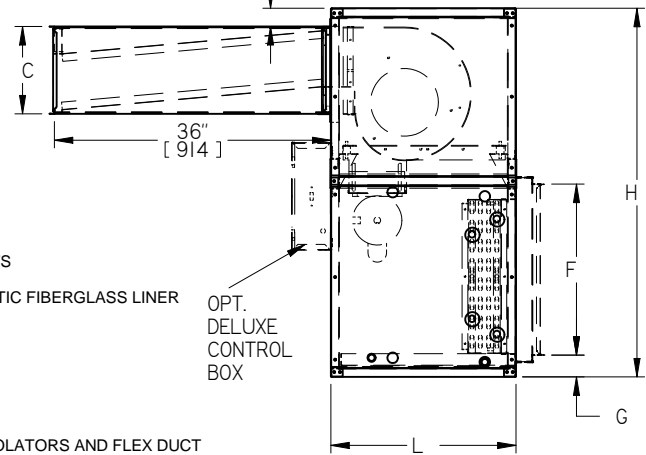
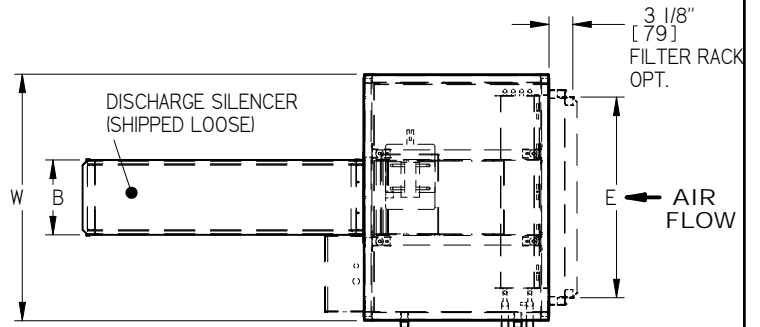


ALL METRIC DIMENSIONS () ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:		BCV BLOWER COIL VERTICAL W/ ELECTRIC HEAT
ENGINEER:		
CUSTOMER:		
SUBMITTAL DATE:		
SPEC. SYMBOL:		<p style="font-size: 2em; margin: 0;">86</p> <p style="margin: 0;">258826</p> <p style="margin: 0;">2012/01/16</p>



LH COIL/DRIVE/CONTROL CONFIGURATION SHOWN.
*HANDING IS DETERMINED BY LOOKING AT THE INLET.



FRONT DISCHARGE CONFIGURATION SHOWN

STANDARD CONSTRUCTION:

- 18 GAUGE GALV STEEL HOUSING
- INTERNAL INSULATION - FIBERGLASS 1" (19mm) THICK, MIN 1.5# DENSITY WHICH MEETS THE REQUIREMENTS OF NFPA 90A AND UL181
- REMOVABLE SIDE ACCESS PANELS - FULLY INSULATED
- 1" DUCT COLLARS WITH S&D CONNECTIONS ON DISCHARGE AND INLET
- SLOPED GALVANIZED STEEL DRAIN PAN WITH 3/4" MALE NPT CONNECTION, WHICH MEETS THE REQUIREMENTS OF ASHRAE 62
- DISCHARGE SILENCER FABRICATED FROM 22GA GALV CASING AND ABSORPTIVE ACOUSTIC FIBERGLASS LINER

FAN ASSEMBLY:

- FORWARD CURVED, DOUBLE WIDTH, DOUBLE INLET FAN, DYNAMICALLY BALANCED
- CONCENTRIC LOCK, LUBRICATED BALL BEARINGS
- SOLID STEEL BLOWER SHAFT, GROUND, POLISHED AND KEYED ON BOTH ENDS

MOTOR AND DRIVE ASSEMBLY:

- BLOWER/MOTOR ASSEMBLY IS FULLY ISOLATED FROM UNIT CASING WITH VIBRATION ISOLATORS AND FLEX DUCT
- MOTORS HAVE STANDARD NEMA SERVICE FACTORS FRAMES
- V-BELT DRIVE WITH ADJUSTABLE MOTOR BASE AND ADJUSTABLE PITCH DRIVE PULLEY

WATER COILS:

- AHRI 410 CERTIFIED
- COILS HAVE COPPER TUBES WITH ALUMINUM FINS, MANUAL AIR VENTS AND 20 GA. GALV STEEL CASINGS
- 1 OR 2 ROW HEATING (PRE/REHEAT), 3,4,6,8 ROW COOLING, UP TO 10 ROWS TOTAL
- LH COILS SHOWN, RH ALSO AVAILABLE. COILS ARE FIELD REVERSABLE FROM LH TO RH

FILTERS & FILTER RACK:

- OPTIONAL 2" FILTER RACK WITH SIDE QUICK RELEASE ACCESS DOORS
- MERV 8 & 13 FILTERS AVAILABLE

IMPERIAL UNITS (inches)

UNIT SIZE	NOMINAL FAN FLOW, CFM	FLOW RANGE, CFM	MAX TSP, in W.G.	W	H	L	B	C	D	E	F	G
08	800	600 -1000	2	24	44	24	8 1/4	10 1/4	2 1/4	18	16	3 3/4
12	1200	900 -1400	3	28	44	24	9 1/4	10 1/4	2	18	22	3 1/4
16	1600	1300 -1800	3.5	32	48	24	9 3/4	11 3/8	2 3/8	26	22 1/8	2 7/8
20	2000	1700 -2400	3.5	40	48	24	10 1/2	12 1/2	2	34	22 1/8	2 7/8
30	3000	2300 -3400	3.5	44	58	28	13 1/4	13 1/2	2	38 1/2	25 3/8	3 1/4
40	4000	3300 -4400	3.5	55	58	28	14 3/4	16	2 1/4	49 1/2	25 3/8	2 3/4

SI UNITS (mm)

UNIT SIZE	NOMINAL FAN FLOW, L/s	FLOW RANGE, L/s	MAX TSP, Pascal	W	H	L	B	C	D	E	F	G
08	378	283 -472	498	610	1118	610	210	261	58	458	407	95
12	566	425 -661	747	712	1118	610	235	261	51	458	559	82
16	755	614 -850	872	813	1220	610	248	289	61	661	564	72
20	944	802 -1133	872	1016	1220	610	267	318	51	864	564	72
30	1416	1085 -1605	872	1118	1474	712	337	343	51	978	644	82
40	1888	1557 -2077	872	1397	1474	712	375	407	58	1258	644	69

ALL METRIC DIMENSIONS () ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.



PROJECT:		 BCVQ BLOWER COIL VERTICAL QUIET
ENGINEER:		
CUSTOMER:		
SUBMITTAL DATE:		
SPEC. SYMBOL:		258828 2011/10/11

COILS OPTIONS:

2 PIPE SYSTEM:

1-ROW 2-ROW 3-ROW 4-ROW 6-ROW 8-ROW

4 PIPE SYSTEM:

PREHEAT

1/3-ROW 1/4-ROW 1/6-ROW 1/8-ROW
2/3-ROW 2/4-ROW 2/6-ROW 2/8-ROW

REHEAT

3/1-ROW 4/1-ROW 6/1-ROW 8/1-ROW
3/2-ROW 4/2-ROW 6/2-ROW 8/2-ROW

PIPE ENTRY (LOOKING DOWNSTREAM)

RH LH

COIL CONNECTION SIZES						
UNIT SIZE	1 ROW	2 ROW	3 & 4 ROW	6 ROW	8 ROW	
8 & 12	7/8	7/8	7/8	7/8	7/8	
16	7/8	7/8	7/8	1 1/8	1 1/8	
20	7/8	7/8	1 1/8	1 1/8	1 1/8	
30	1 1/8	1 1/8	1 1/8	1 3/8	1 5/8	
40	1 1/8	1 1/8	1 3/8	1 5/8	1 5/8	

OPTIONS:

CABINET LINERS:

SOLID METAL (SM)
FIBER FREE (FF)
FOIL BOARD (FB) MIN 3LB DENSITY

SILENCER LINERS:

POLYMER FILM
FIBERGLASS CLOTH

FILTERS:

MERV 8 MERV 13

ELECTRICAL:

24V TRANSFORMER
DISCONNECT SWITCH
MOTOR FUSING
MOTOR CONTACTORS

OTHER:

STAINLESS STEEL DRAIN PAN
SECONDARY DRAIN CONNECTION
CONTROLS OPPOSITE TO COIL HAND
BELT DRIVE OPPOSITE TO COIL HAND
QUICK RELEASE PANELS ON:
SIDE
SPARE BELT
SPARE FILTERS

MOTOR FULL LOAD AMP DATA								
Phase	Voltage	Nominal Horsepower						
		1/2	3/4	1	1 1/2	2	3	5
1	115	9.8	13.8	16.0	-	-	-	-
	208	5.4	7.6	8.8	11.0	-	-	-
	230	4.9	6.9	8.0	10.0	-	-	-
	277	4.5	6.4	7.4	-	-	-	-
3	208	2.4	3.5	4.6	6.6	7.5	10.6	16.7
	230	2.2	3.2	4.2	6.0	6.8	9.6	15.2
	460	1.1	1.6	2.1	3.0	3.4	4.8	7.6
	575	0.9	1.3	1.7	2.4	2.7	3.9	6.1

- MOTOR FULL LOAD AMPS REFER TO THE NATIONAL ELECTRIC CODE (NFPA 70). ACTUAL NAMEPLATE AMPS MAY VARY. NEC DATA WAS EXTRAPOLATED FOR 277V.
- MOTORS UP TO 460V ARE EQUIPPED WITH AUTOMATIC THERMAL OVERLOAD PROTECTION. 575V MOTORS ARE EQUIPPED WITH MANUAL MOTOR STARTERS.
- MOTORS ARE 60HZ, OPEN DRIP PROOF, BALL BEARING, SINGLE SPEED RATED AT CONTINUOUS DUTY UP TO 104°F (40°C).

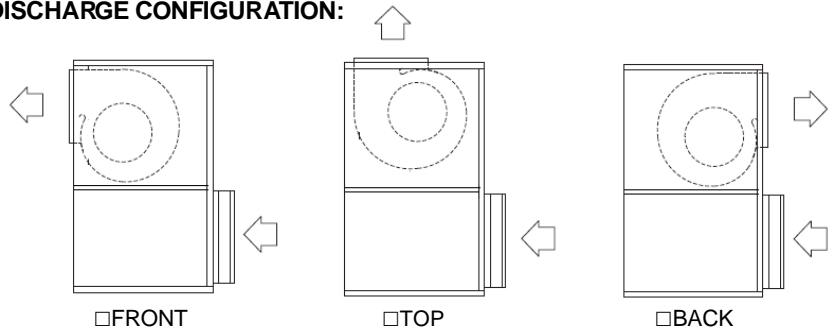
UNIT WEIGHT DATA							
	UNIT SIZE						
	8	12	16	20	30	40	
Base Unit	138 (63)	150 (68)	198 (90)	217 (99)	265 (120)	329 (150)	
SM Liner	60 (27)	65 (30)	89 (40)	97 (44)	119 (54)	149 (68)	
COIL ROWS	1 ROW DRY	8 (4)	10 (5)	11 (5)	13 (6)	17 (8)	19 (9)
	1 ROW WET	11 (5)	13 (6)	15 (7)	18 (8)	23 (10)	27 (12)
	2 ROW DRY	12 (5)	15 (7)	18 (8)	22 (10)	28 (13)	33 (15)
	2 ROW WET	17 (8)	21 (10)	25 (11)	30 (14)	40 (18)	48 (22)
	3 ROW DRY	17 (8)	22 (10)	25 (11)	31 (14)	40 (18)	49 (22)
	3 ROW WET	24 (11)	30 (14)	35 (16)	44 (20)	58 (26)	71 (32)
	4 ROW DRY	22 (10)	27 (12)	32 (15)	39 (18)	51 (23)	62 (28)
	4 ROW WET	30 (14)	38 (17)	45 (20)	56 (25)	74 (34)	91 (41)
	6 ROW DRY	30 (14)	38 (17)	46 (21)	55 (25)	73 (33)	90 (41)
	6 ROW WET	42 (19)	54 (25)	66 (30)	80 (36)	108 (49)	134 (61)
8 ROW DRY	39 (18)	49 (22)	59 (27)	72 (33)	96 (44)	117 (53)	
8 ROW WET	55 (25)	71 (32)	85 (39)	104 (47)	142 (65)	175 (80)	

MOTOR WEIGHT DATA							
Type	Motor HP						
	0.5	0.75	1	1.5	2	3	5
Single Phase	20 (10)	24 (11)	29 (14)	35 (16)	-	-	-
Three Phase	21 (10)	22 (10)	24 (11)	27 (13)	35 (16)	43 (20)	79 (36)


Notes:

- 1 Weight data is in pounds (kilograms)
2. Base unit includes pulleys, belt and filters

DISCHARGE CONFIGURATION:



ALL METRIC DIMENSIONS () ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:		 BCVQ BLOWER COIL VERTICAL QUIET
ENGINEER:		
CUSTOMER:		
SUBMITTAL DATE:		
SPEC. SYMBOL:		258828 2011/10/11

LH COIL/DRIVE/CONTROL CONFIGURATION SHOWN.
 *HANDING IS DETERMINED BY LOOKING AT THE INLET.

IMPERIAL UNITS (inches)

UNIT SIZE	B	C	J
08	8 1/4	10 1/4	12.0
12	9 1/4	10 1/4	12.0
16	9 3/4	11 3/8	12.0
20	10 1/2	12 1/2	12.0
30	13 1/4	13 1/2	17.0
40	14 3/4	16	17.0

SI UNITS (mm)

UNIT SIZE	B	C	J
08	210	261	305
12	235	261	305
16	248	289	305
20	267	318	305
30	337	343	432
40	375	407	432

STANDARD FEATURES:

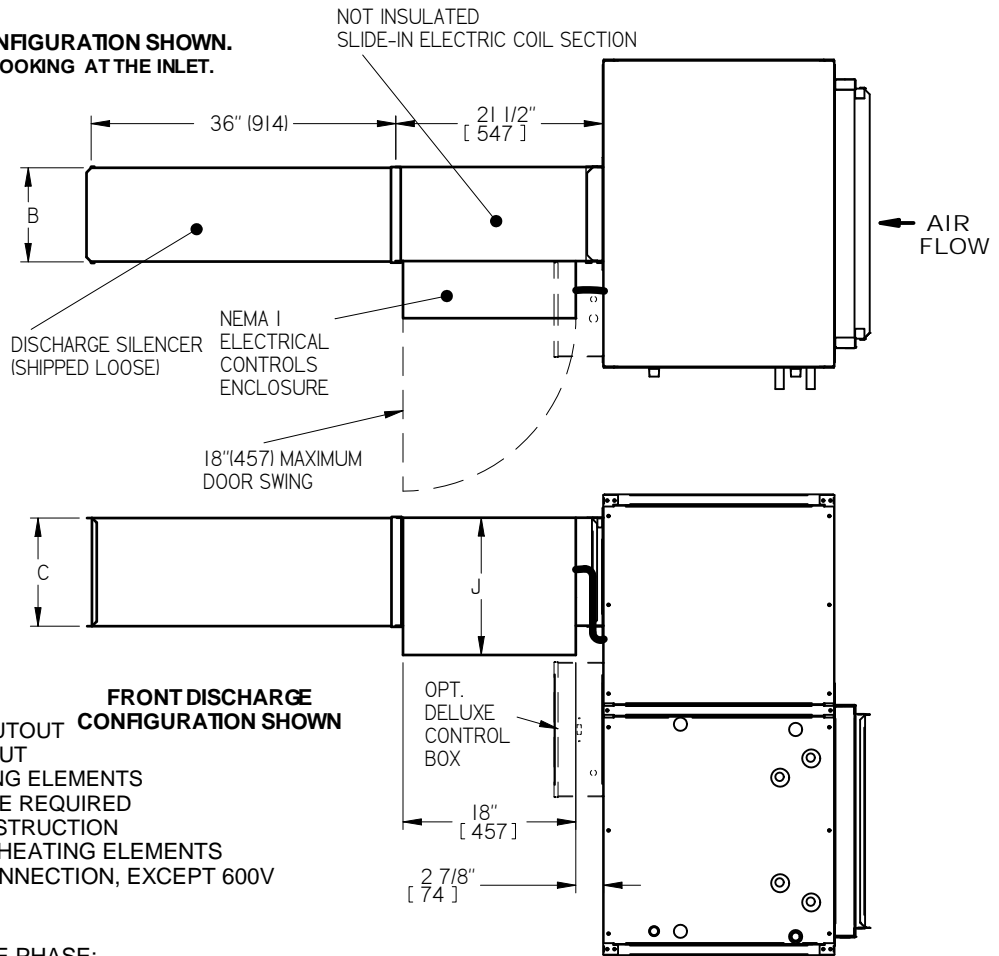
- HINGED ACCESS DOOR
- AUTOMATIC RESET THERMAL CUTOUT
- MANUAL RESET THERMAL CUTOUT
- FAN INTERLOCKED WITH HEATING ELEMENTS
- MAGNETIC CONTACTORS WHERE REQUIRED
- 20 GA. GALVANIZED STEEL CONSTRUCTION
- HIGH GRADE NICKEL CHROME HEATING ELEMENTS
- SINGLE POINT ELECTRICAL CONNECTION, EXCEPT 600V

SUPPLY VOLTAGE:

- | | |
|-------------------------------|--|
| SINGLE PHASE: | THREE PHASE: |
| <input type="checkbox"/> 115V | <input type="checkbox"/> 208V (3 wire) |
| <input type="checkbox"/> 208V | <input type="checkbox"/> 480V (3 wire) |
| <input type="checkbox"/> 240V | <input type="checkbox"/> 600V (3 wire) |
| <input type="checkbox"/> 277V | |

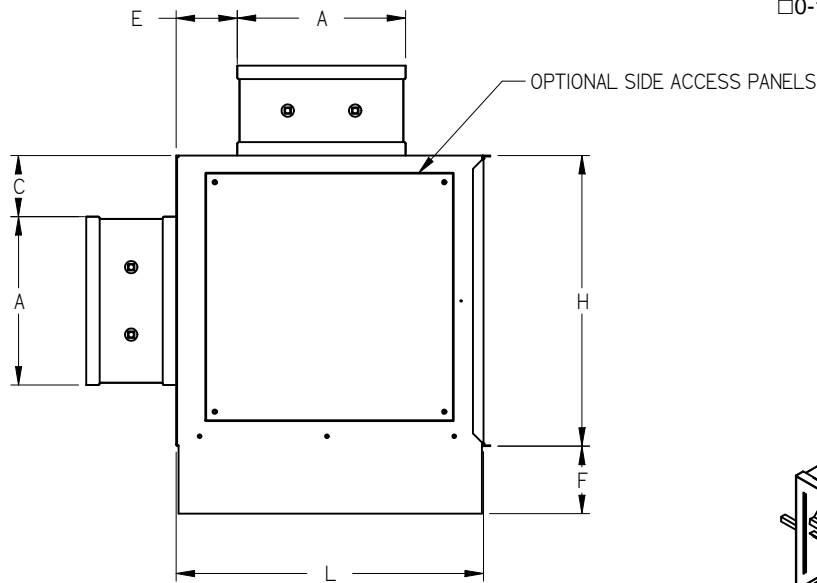
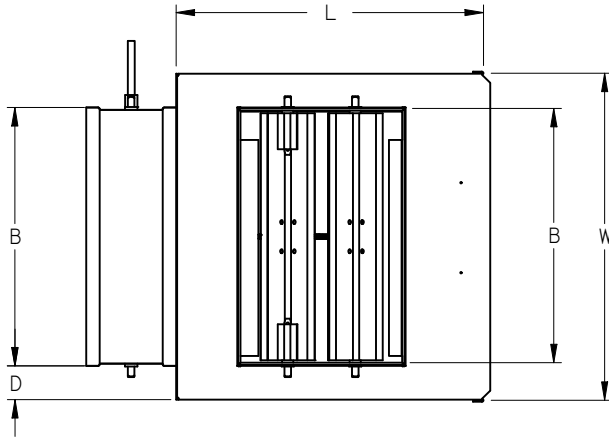
OPTIONAL FEATURES:

- AIR FLOW SWITCH
- CONTROL CIRCUIT FUSE
- DOOR INTERLOCK DISCONNECT SWITCH
- MAIN SUPPLY FUSES
- MERCURY CONTACTORS:
- PSG - PRICE SILENT GUARD CONTROLLER
- DP - DUAL POINT POWER CONNECTION
- EXTERNALLY WRAPPED HEATER
(FOIL FACED FIBERGLASS INSULATION)



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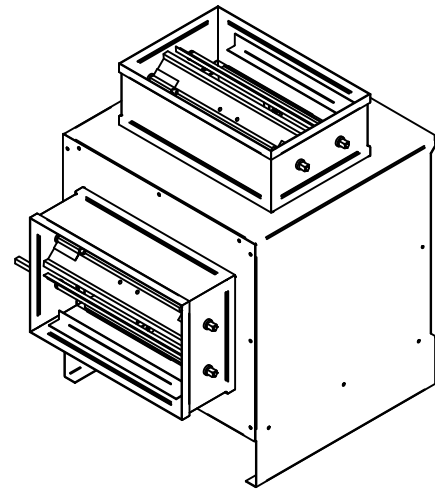
PROJECT:		PRICE
ENGINEER:		
CUSTOMER:		86
SUBMITTAL DATE:		258828
SPEC. SYMBOL:		BCVO BLOWER COIL VERTICAL QUIET W/ ELECTRIC HEAT
2011/10/11		



- NOTES:**
- CONSTRUCTED FROM 18GA GALVANIZED STEEL
 - FULLY INSULATED. LINER TO MATCH BCV UNIT
 - HEAVY GAUGE OPPOSED BLADE STEEL DAMPERS CONNECTED BY DRIVE ROD
 - SLIP AND DRIVE CONNECTION FOR QUICK INSTALLATION TO BLOWER COIL
 - DAMPER DRIVE SHAFT (LH/RH) TO MATCH BCV CONTROLS LOCATION

- OPTIONS:**
- LOW LEAKAGE DAMPERS
 - SIDE ACCESS PANELS


- 24V ACTUATOR:**
- NONE
 - TRI-STATE
 - 0-10V MODULATING



XY CONFIGURATION

IMPERIAL UNITS (inches)										METRIC UNITS (mm)									
UNIT SIZE	A	B	C	D	E	F	L	W	H	UNIT SIZE	A	B	C	D	E	F	L	W	H
BCV08	9 1/4	14 1/4	3 3/8	1 7/8	3 3/8	3 3/4	17	18	16 1/16	BCV08	235	362	86	48	41	95	431	457	408
BCV12	9 1/4	18 1/4	4 3/8	1 7/8	4 3/8	3 1/4	19	22	18 1/16	BCV12	235	464	112	48	41	83	482	559	458
BCV16	11 1/4	22 1/4	5 7/16	1 7/8	5 7/16	2 7/8	23 1/16	26	22 1/8	BCV16	286	565	138	48	48	73	586	661	562
BCV20	11 1/4	30 1/4	5 7/16	1 7/8	5 7/16	2 7/8	23 1/16	30	22 1/8	BCV20	286	768	138	48	48	73	586	762	562
BCV30	16 1/4	34 1/4	4 1/2	2 1/4	4 1/2	3 1/4	26 1/4	38 1/2	25 1/4	BCV30	413	870	115	54	73	83	666	978	642
BCV40	16 1/4	44 1/4	4 1/2	2 5/8	4 1/2	2 3/4	26 1/4	49 1/2	25 1/4	BCV40	413	1124	115	67	73	70	666	1257	642

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PROJECT:		 BCV VERTICAL BLOWER COIL MIXING BOX
ENGINEER:		
CUSTOMER:		
SUBMITTAL DATE:		
SPEC. SYMBOL:		BB 259982 JAN 2012