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Comfort Systems USA (Arkansas), Inc.
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Date: 4/23/2026

Return Request: 4/30/2026

Project: Hot Springs National Park – Rehabilitate Bathhouses – Maurice Bathhouse

Supplier: Powers of Arkansas

Manufacturer: Enviro-Tec

Submittal: Terminal Heat Transfer Units (Fan Coil Units) - (Re-Submittal #1)

Submittal Number: 238200.004

Spec Section: 238200, 2.5

Drawing # and Installation Location: MP1.0 and MP1.3

ARCHITECT

Strata Architecture
1701 Oak Street, Suite 100
Kansas City, Missouri 64108
(816)474-0900

GENERAL CONTRACTOR

Tepa, LLC
2345 Grand Blvd, Suite 700
Kansas City, Missouri 64108
(816)708-1110

ENGINEER

IMEG Corp.
1600 Baltimore Street, Suite 300
Kansas City, Missouri 64108
(816)842-8437

MECHANICAL SUBCONTRACTOR

Comfort Systems USA (Arkansas), Inc.
9924 Landers Road
North Little Rock, Arkansas 72117
(501)834-3320

Comments:

CSUSA PROJECT NO.

25-7065

joe@comfortar.com

9924 Landers Road
No. LittleRock, AR 72117

Submittal

JOB NAME	Maurice Bathhouse
PRODUCT	Fan Coil Units - FCU-B-1M through FCU-3-11M
MANUFACTURER	Enviro Tec
LOCATION	Hot Springs, AR
DATE	April 21, 2026
SPECIFICATION	23 82 00
LEAD TIME	TBD
ARCHITECT	Strata Architecture
ENGINEER	IMEG Corp
CONTRACTOR	TEPA
CONTRACTOR POC	Joe Loomis
SUBMITTED BY	Eric Blaylock Keith Clement
SALESPERSON	Eric Blaylock

Submittal Number 238200 - Fan Coil Unit Resubmittal Notes(unit tags FCU-B-1M through FCU-3-11M)

1. Final fan coil handedness shall be coordinated with the engineer and installing contractor prior to equipment release.
2. Coil selections cannot match all scheduled values simultaneously. Minor tolerances are required due to limitations in available coil options. Overall design intent has been maintained to the extent practical within the available manufacturer coil combinations. Final hydronic coordination, including any pump-related impacts, shall be by the project design and installation team.
3. MERV 8 filter type is provided in the resubmittal for applicable fan coil units.
4. All fan coil units are submitted with stainless steel drain pans in accordance with the reviewed comments.
5. Double deflection discharge grilles are provided on applicable horizontal exposed fan coil units. FCU-B-4M is provided with a front discharge duct collar per the reviewed comments.
6. Horizontal exposed fan coil units with bottom return are submitted with the manufacturer's standard stamped bottom return grille. This is the only factory bottom return option unless a duct collar is preferred in lieu of the grille configuration. Approval as noted is requested if acceptable.
7. Unit sizes have been revised to better align with the basis of design where applicable.
8. CDV fan coil units are intended to be field supported at manufacturer mounting points and installed level. Base rails or support framing shall be field provided where required to satisfy the scheduled installation requirements and are not a factory option.
9. FCU-3-6M has been revised to size 10 to improve alignment with the scheduled basis. Airflow is maintained, but cooling and water-side values vary from the schedule based on available manufacturer coil combinations. Approval as noted is requested if acceptable.
10. Please note any remaining minor deviations on an approved as noted copy of the submittal to avoid unnecessary delay to final approval and overall project schedule.



SUBMITTAL DATA

Order #: _____ **Date:** 04/02/2026

Project: Rehabilitate Bathhouses HSNP Maurice - FCUs

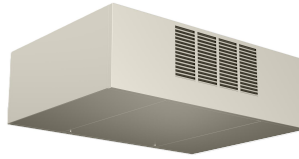
Project #: _____

Submitter: Keith Clement
POWERS OF ARKANSAS - ENVIRO-TEC
5440 NORTSHORE DRIVE
NO LITTLE ROCK Arkansas 72118

	Drawing No.	Title
1.	00-80009	VP Code 24 and 25- 0.5, 0.75,1.0 in diam
2.	00-80009	VP Code 24 and 25 Notes
3.	47-80117	Horizontal Fan Coil Low Profile Exposed Cabinet - Bottom Return
4.	47-80118	Horizontal Fan Coil Low Profile Exposed Cabinet- Service Envelope
5.	47-80125	Horizl Fan Coil Low Profile Plenum Return and Free Return - 4-P LH Water Coil, Conneciton Locations
6.	50-80018	Vertical Fan Coil High Performance - Standard, Front Return
7.	50-80020	Vertical Fan Coil High Performance - 3,4,6 Row Water-Coil Connection Locations
8.	50-80021	Vertical Fan Coil High Performance - 1, 2 Hot Water-Coil Connection Locations
9.	51-80067	Vertical Fan Coil Concealed Cabinet - Top Air Supply
10.	51-80069	Vertical Fan Coil - Coil Connection Locations
11.	51-80069	Vertical Fan Coil - 2-P Water Coil Connection Locations
12.	51-80073	Vertical Fan Coil Exposed Cabinet - Cabinet
13.	51-80080	Vertical Fan Coil Concealed Cabinet - Recessed Wall Panel, Supply and Return
14.	88-60000	FCU BC02, 1 PH, 3-SPD Adjust ECM Motor
15.	CDV-001	Vertical Fan Coil High Performance-Front Return
16.	DCC-006	Vertical Fan Coil High Performance Aux Hot water coil Connections

Performance

Model: HLE-D: Horizontal Low Profile Exposed Cabinet	Ship Cycle: Standard Shipment	
Size: 10	Printed Date: 04/21/2026	
QTY: 2	Last Revised Date: 04/21/2026	
Elevation: 335	Coil Version / Price Version: 8.12 / 1.1	
	User: Heda Behzadpour	
	Estimate ID# / Line#: aAdVy000000KPrT KAG / 1	



Tag: FCU-B-1M,FCU-B-2M

General	
Unit Size	10
Unit Airflow	460 (CFM)
Motor Voltage	115/1/60 ECM
Unit Capacity	Standard
ESP	0.53 (IN.WG)
Filter Type	1 Inch Pleated (MERV 8)
Filter PD	0.02 (IN.WG)
Weight	197 (LBS)
Ship Cycle	Standard Shipment
Motor HP	(2) 1/4
Motor Type	ECM
Motor Qty	2
Total Motors FLA	5.8
Total FLA	5.8
Motor Spd	Max
Fan Qty	4
Fan RPM at CFM	1579
Fan Watts at CFM	154

Unit Details	
Unit Color	Pearl White Satin
Insulation Type	Closed Cell Foam
Access Latches	Standard
Coil Casing Material	Galvanized
Drain Pan Material	Stainless Steel Drain Pan
Return Air Type	Stamped Louver Grille
Return Air Location	Bottom Return
Discharge Air Type	Discharge Double Deflection Alum Grille
Thermostat	N11 Dig/Prog - 4 Pipe Heat/Cool - A/C - 3/SS
Thermostat Location	Remote Mounted Thermostat
Network Capability	BACnet Enabled
MCA	6.52
MSCP	15
Discharge Air Sensor	Yes
Control Enclosure Handling	Right Hand
Disconnect Switch	Non-Fused Door Interlock Disconnect (40 Amp)
Dirty Filter Sensor	Yes
Basic Control Package	BC02 24V, Unit S/S Relay / Fan Relay

Chilled Water Coil Performance	
EAT DB / WB	80 / 67 (°F)
LAT DB / WB	55.6 / 55.1 (°F)
EWT / LWT	42 / 54.1 (°F)
Total Capacity	16.24 (MBH)
Sensible Capacity	11.82 (MBH)
Rows / FPI / Circuits	5 Row / 14 FPI / 5 Ckt
Fluid Flow	2.9 (GPM)
Fluid PD	3.92 (FT.WG)
Fluid Velocity	1.73 (FPS)
Air PD	0.1 (IN.WG)
Glycol Concentration	30
Tube Wall	0.012 (IN.)
Tube Diameter	3/8 (IN.)
Coil Connection Size	7/8
Fluid Type	Water w/ Propylene Glycol

Electrical Details	
Motor Control	Select (3-Speed Adjustable)

Chilled Water Coil Details	
Coil 1 Type	Chilled Water
Coil 1 Handing	Left Hand
Coil 1 Air Vent	Manual
Coil 1 Unions	Yes
Coil 1 Valve Package Type	Code 24 (2-Way, BV)
Coil 1 Valve Package Size	1/2 Inch
Coil 1 PT Ports	Yes
Coil 1 Y-Strainer	Yes
Coil 1 Actuator	Normally Closed - 2 Pos Close-Off
Coil 1 Factory Mounted Piping Package	Yes

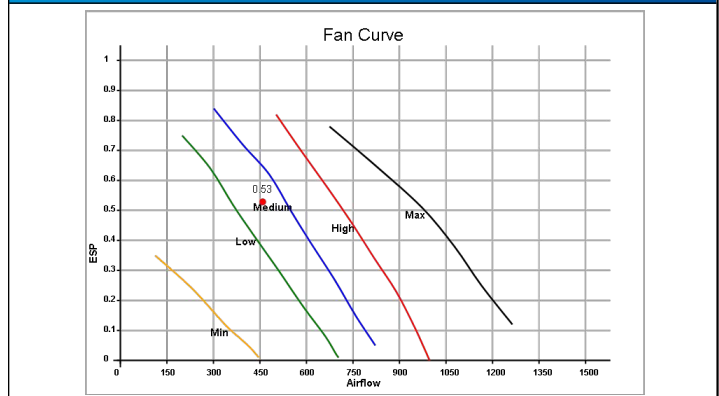
Hot Water Coil Performance (Re - Heat)	
EAT DB	65 (°F)
LAT DB	96.2 (°F)
EWT / LWT	140 / 95 (°F)
Sensible Capacity	15.93 (MBH)
Fluid Flow	0.7 (GPM)
Rows / FPI / Circuits	1 Row / 14 FPI / 1 Ckt
Fluid PD	3.34 (FT.WG)
Fluid Velocity	2.09 (FPS)
Air PD	0.02 (IN.WG)
Tube Wall	0.012 (IN.)
Tube Diameter	3/8 (IN.)
Coil Connection Size	5/8
Fluid Type	Water

Hot Water Coil Details	
Coil 2 Type	Hot Water
Coil 2 Handing	Left Hand
Coil 2 Air Vent	Manual
Coil 2 Unions	Yes
Coil 2 Valve Package Type	Code 24 (2-Way, BV)
Coil 2 Valve Package Size	1/2 Inch
Coil 2 PT Ports	Yes
Coil 2 Y-Strainer	Yes
Coil 2 Actuator	Normally Closed - 2 Pos Close-Off
Coil 2 Factory Mounted Piping Package	Yes

Sound Data at Max Fan Speed							
Band	2	3	4	5	6	7	8
Freq.	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Ducted Dis.	64	67	65	64	59	53	47

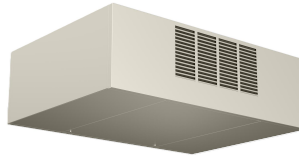
Unit data is certified in accordance with AHRI-440. Sound data tested in accordance with AHRI-350-2015. Unit pressure drop and L/s based upon dry coil as required by AHRI-440. Scheduled motor information is for High Speed. The coil selection has been made at Standard conditions. Outside Airflow is a user input value for scheduling purposes.

Fan Curve



Performance

Model: HLE-D: Horizontal Low Profile Exposed Cabinet	Ship Cycle: Standard Shipment	Printed Date: 04/21/2026
Size: 04		Last Revised Date: 04/21/2026
QTY: 1		Coil Version / Price Version: 8.12 / 1.1
Elevation: 335		User: Heda Behzadpour
		Estimate ID# / Line#: aAdVy000000KPrT KAG / 2



Tag: FCU-B-3M

General	
Unit Size	04
Unit Airflow	210 (CFM)
Motor Voltage	115/1/60 ECM
Unit Capacity	Standard
ESP	0.52 (IN.WG)
Filter Type	1 Inch Pleated (MERV 8)
Filter PD	0.02 (IN.WG)
Weight	107 (LBS)
Ship Cycle	Standard Shipment
Motor HP	(1) 1/4
Motor Type	ECM
Motor Qty	1
Total Motors FLA	2.9
Total FLA	2.9
Motor Spd	Max
Fan Qty	2
Fan RPM at CFM	1556
Fan Watts at CFM	71

Unit Details	
Unit Color	Pearl White Satin
Insulation Type	Closed Cell Foam
Access Latches	Standard
Coil Casing Material	Galvanized
Drain Pan Material	Stainless Steel Drain Pan
Return Air Type	Stamped Louver Grille
Return Air Location	Bottom Return
Discharge Air Type	Discharge Double Deflection Alum Grille
Thermostat	N11 Dig/Prog - 4 Pipe Heat/Cool - A/C - 3/SS
Thermostat Location	Remote Mounted Thermostat
Network Capability	BACnet Enabled
MCA	3.62
MSCP	15
Discharge Air Sensor	Yes
Control Enclosure Handing	Right Hand
Disconnect Switch	Non-Fused Door Interlock Disconnect (40 Amp)
Dirty Filter Sensor	Yes
Basic Control Package	BC02 24V, Unit S/S Relay / Fan Relay

Chilled Water Coil Performance	
EAT DB / WB	80 / 67 (°F)
LAT DB / WB	54.8 / 54.3 (°F)
EWT / LWT	42 / 54 (°F)
Total Capacity	7.85 (MBH)
Sensible Capacity	5.58 (MBH)
Rows / FPI / Circuits	5 Row / 14 FPI / 2 Ckt
Fluid Flow	1.4 (GPM)
Fluid PD	8.15 (FT.WG)
Fluid Velocity	2.09 (FPS)
Air PD	0.09 (IN.WG)
Glycol Concentration	30
Tube Wall	0.012 (IN.)
Tube Diameter	3/8 (IN.)
Coil Connection Size	7/8
Fluid Type	Water w/ Propylene Glycol

Electrical Details	
Motor Control	Select (3-Speed Adjustable)

Chilled Water Coil Details	
Coil 1 Type	Chilled Water
Coil 1 Handing	Left Hand
Coil 1 Air Vent	Manual
Coil 1 Unions	Yes
Coil 1 Valve Package Type	Code 24 (2-Way, BV)
Coil 1 Valve Package Size	1/2 Inch
Coil 1 PT Ports	Yes
Coil 1 Y-Strainer	Yes
Coil 1 Actuator	Normally Closed - 2 Pos Close-Off
Coil 1 Factory Mounted Piping Package	Yes

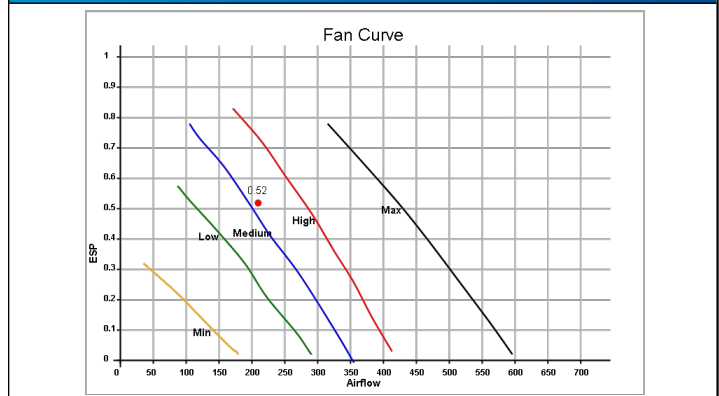
Hot Water Coil Performance (Re - Heat)	
EAT DB	65 (°F)
LAT DB	100.7 (°F)
EWT / LWT	140 / 107.1 (°F)
Sensible Capacity	8.23 (MBH)
Fluid Flow	0.5 (GPM)
Rows / FPI / Circuits	1 Row / 14 FPI / 1 Ckt
Fluid PD	1.31 (FT.WG)
Fluid Velocity	1.49 (FPS)
Air PD	0.02 (IN.WG)
Tube Wall	0.012 (IN.)
Tube Diameter	3/8 (IN.)
Coil Connection Size	5/8
Fluid Type	Water

Hot Water Coil Details	
Coil 2 Type	Hot Water
Coil 2 Handing	Left Hand
Coil 2 Air Vent	Manual
Coil 2 Unions	Yes
Coil 2 Valve Package Type	Code 24 (2-Way, BV)
Coil 2 Valve Package Size	1/2 Inch
Coil 2 PT Ports	Yes
Coil 2 Y-Strainer	Yes
Coil 2 Actuator	Normally Closed - 2 Pos Close-Off
Coil 2 Factory Mounted Piping Package	Yes

Sound Data at Max Fan Speed							
Band	2	3	4	5	6	7	8
Freq.	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Ducted Dis.	62	67	64	62	58	54	49

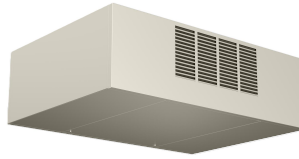
Unit data is certified in accordance with AHRI-440. Sound data tested in accordance with AHRI-350-2015. Unit pressure drop and L/s based upon dry coil as required by AHRI-440. Scheduled motor information is for High Speed. The coil selection has been made at Standard conditions. Outside Airflow is a user input value for scheduling purposes.

Fan Curve



Performance

Model: HLE-D: Horizontal Low Profile Exposed Cabinet	Ship Cycle: Standard Shipment
Size: 06	Printed Date: 04/21/2026
QTY: 1	Last Revised Date: 04/21/2026
Elevation: 335	Coil Version / Price Version: 8.12 / 1.1
	User: Heda Behzadpour
	Estimate ID# / Line#: aAdVy000000KPrT KAG / 3



Tag: FCU-B-4M

General	
Unit Size	06
Unit Airflow	330 (CFM)
Motor Voltage	115/1/60 ECM
Unit Capacity	Standard
ESP	0.65 (IN.WG)
Filter Type	1 Inch Pleated (MERV 8)
Filter PD	0.03 (IN.WG)
Weight	145 (LBS)
Ship Cycle	Standard Shipment
Motor HP	(1) 1/4
Motor Type	ECM
Motor Qty	1
Total Motors FLA	2.9
Total FLA	2.9
Motor Spd	Max
Fan Qty	2
Fan RPM at CFM	1797
Fan Watts at CFM	121

Unit Details	
Unit Color	Pearl White Satin
Insulation Type	Closed Cell Foam
Access Latches	Standard
Coil Casing Material	Galvanized
Drain Pan Material	Stainless Steel Drain Pan
Return Air Type	Stamped Louver Grille
Return Air Location	Bottom Return
Discharge Air Type	Discharge Duct Collar
Thermostat	N11 Dig/Prog - 4 Pipe Heat/Cool - A/C - 3/SS
Thermostat Location	Remote Mounted Thermostat
Network Capability	BACnet Enabled
MCA	3.62
MSCP	15
Discharge Air Sensor	Yes
Control Enclosure Handling	Right Hand
Disconnect Switch	Non-Fused Door Interlock Disconnect (40 Amp)
Dirty Filter Sensor	Yes
Basic Control Package	BC02 24V, Unit S/S Relay / Fan Relay

Chilled Water Coil Performance	
EAT DB / WB	80 / 67 (°F)
LAT DB / WB	55.5 / 55.3 (°F)
EWT / LWT	42 / 53.9 (°F)
Total Capacity	11.57 (MBH)
Sensible Capacity	8.62 (MBH)
Rows / FPI / Circuits	5 Row / 14 FPI / 2 Ckt
Fluid Flow	2.1 (GPM)
Fluid PD	4.88 (FT.WG)
Fluid Velocity	2.07 (FPS)
Air PD	0.16 (IN.WG)
Glycol Concentration	30
Tube Wall	0.025 (IN.)
Tube Diameter	1/2 (IN.)
Coil Connection Size	7/8
Fluid Type	Water w/ Propylene Glycol

Electrical Details	
Motor Control	Select (3-Speed Adjustable)

Chilled Water Coil Details	
Coil 1 Type	Chilled Water
Coil 1 Handing	Left Hand
Coil 1 Air Vent	Manual
Coil 1 Unions	Yes
Coil 1 Valve Package Type	Code 24 (2-Way, BV)
Coil 1 Valve Package Size	1/2 Inch
Coil 1 PT Ports	Yes
Coil 1 Y-Strainer	Yes
Coil 1 Actuator	Normally Closed - 2 Pos Close-Off
Coil 1 Factory Mounted Piping Package	Yes

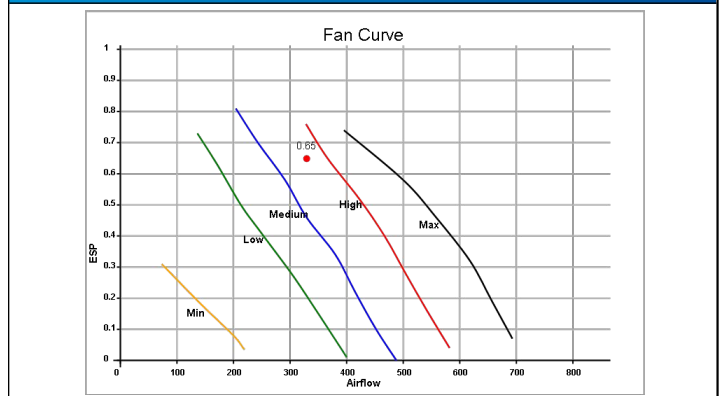
Hot Water Coil Performance (Re - Heat)	
EAT DB	65 (°F)
LAT DB	89.5 (°F)
EWT / LWT	140 / 104.4 (°F)
Sensible Capacity	9.03 (MBH)
Fluid Flow	0.5 (GPM)
Rows / FPI / Circuits	1 Row / 14 FPI / 1 Ckt
Fluid PD	0.34 (FT.WG)
Fluid Velocity	0.98 (FPS)
Air PD	0.02 (IN.WG)
Tube Wall	0.025 (IN.)
Tube Diameter	1/2 (IN.)
Coil Connection Size	5/8
Fluid Type	Water

Hot Water Coil Details	
Coil 2 Type	Hot Water
Coil 2 Handing	Left Hand
Coil 2 Air Vent	Manual
Coil 2 Unions	Yes
Coil 2 Valve Package Type	Code 24 (2-Way, BV)
Coil 2 Valve Package Size	1/2 Inch
Coil 2 PT Ports	Yes
Coil 2 Y-Strainer	Yes
Coil 2 Actuator	Normally Closed - 2 Pos Close-Off
Coil 2 Factory Mounted Piping Package	Yes

Sound Data at Max Fan Speed							
Band	2	3	4	5	6	7	8
Freq.	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Ducted Dis.	62	67	64	62	58	54	49

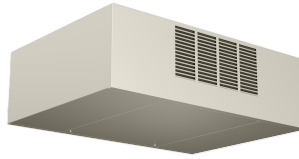
Unit data is certified in accordance with AHRI-440. Sound data tested in accordance with AHRI-350-2015. Unit pressure drop and L/s based upon dry coil as required by AHRI-440. Scheduled motor information is for High Speed. The coil selection has been made at Standard conditions. Outside Airflow is a user input value for scheduling purposes.

Fan Curve



Performance

Model: HLE-D: Horizontal Low Profile Exposed Cabinet	Ship Cycle: Standard Shipment	Printed Date: 04/21/2026
Size: 10		Last Revised Date: 04/21/2026
QTY: 1		Coil Version / Price Version: 8.12 / 1.1
Elevation: 335		User: Heda Behzadpour
		Estimate ID# / Line#: aAdVy000000KPrT KAG / 4



Tag: FCU-B-5M

General	
Unit Size	10
Unit Airflow	475 (CFM)
Motor Voltage	115/1/60 ECM
Unit Capacity	Standard
ESP	0.55 (IN.WG)
Filter Type	1 Inch Pleated (MERV 8)
Filter PD	0.02 (IN.WG)
Weight	197 (LBS)
Ship Cycle	Standard Shipment
Motor HP	(2) 1/4
Motor Type	ECM
Motor Qty	2
Total Motors FLA	5.8
Total FLA	5.8
Motor Spd	Max
Fan Qty	4
Fan RPM at CFM	1609
Fan Watts at CFM	161

Unit Details	
Unit Color	Pearl White Satin
Insulation Type	Closed Cell Foam
Access Latches	Standard
Coil Casing Material	Galvanized
Drain Pan Material	Stainless Steel Drain Pan
Return Air Type	Stamped Louver Grille
Return Air Location	Bottom Return
Discharge Air Type	Discharge Double Deflection Alum Grille
Thermostat	N11 Dig/Prog - 4 Pipe Heat/Cool - A/C - 3/SS
Thermostat Location	Remote Mounted Thermostat
Network Capability	BACnet Enabled
MCA	6.52
MSCP	15
Discharge Air Sensor	Yes
Control Enclosure Handing	Right Hand
Disconnect Switch	Non-Fused Door Interlock Disconnect (40 Amp)
Dirty Filter Sensor	Yes
Basic Control Package	BC02 24V, Unit S/S Relay / Fan Relay

Chilled Water Coil Performance	
EAT DB / WB	80 / 67 (°F)
LAT DB / WB	55.7 / 55.2 (°F)
EWT / LWT	42 / 54 (°F)
Total Capacity	16.68 (MBH)
Sensible Capacity	12.16 (MBH)
Rows / FPI / Circuits	5 Row / 14 FPI / 5 Ckt
Fluid Flow	3 (GPM)
Fluid PD	4.1 (FT.WG)
Fluid Velocity	1.79 (FPS)
Air PD	0.11 (IN.WG)
Glycol Concentration	30
Tube Wall	0.012 (IN.)
Tube Diameter	3/8 (IN.)
Coil Connection Size	7/8
Fluid Type	Water w/ Propylene Glycol

Electrical Details	
Motor Control	Select (3-Speed Adjustable)

Chilled Water Coil Details	
Coil 1 Type	Chilled Water
Coil 1 Handing	Left Hand
Coil 1 Air Vent	Manual
Coil 1 Unions	Yes
Coil 1 Valve Package Type	Code 24 (2-Way, BV)
Coil 1 Valve Package Size	1/2 Inch
Coil 1 PT Ports	Yes
Coil 1 Y-Strainer	Yes
Coil 1 Actuator	Normally Closed - 2 Pos Close-Off
Coil 1 Factory Mounted Piping Package	Yes

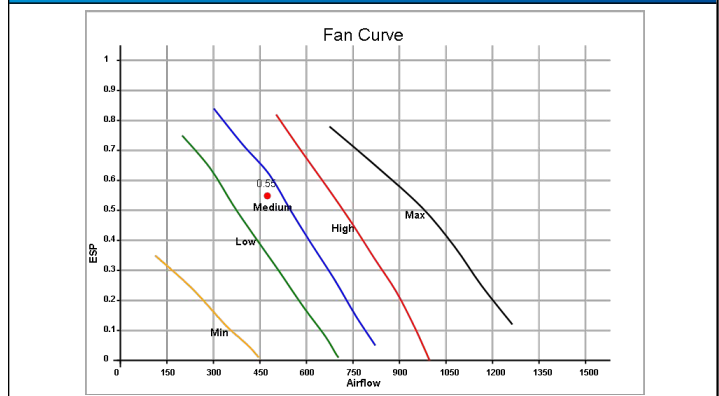
Hot Water Coil Performance (Re - Heat)	
EAT DB	65 (°F)
LAT DB	95.6 (°F)
EWT / LWT	140 / 94.4 (°F)
Sensible Capacity	16.12 (MBH)
Fluid Flow	0.7 (GPM)
Rows / FPI / Circuits	1 Row / 14 FPI / 1 Ckt
Fluid PD	3.34 (FT.WG)
Fluid Velocity	2.09 (FPS)
Air PD	0.02 (IN.WG)
Tube Wall	0.012 (IN.)
Tube Diameter	3/8 (IN.)
Coil Connection Size	5/8
Fluid Type	Water

Hot Water Coil Details	
Coil 2 Type	Hot Water
Coil 2 Handing	Left Hand
Coil 2 Air Vent	Manual
Coil 2 Unions	Yes
Coil 2 Valve Package Type	Code 24 (2-Way, BV)
Coil 2 Valve Package Size	1/2 Inch
Coil 2 PT Ports	Yes
Coil 2 Y-Strainer	Yes
Coil 2 Actuator	Normally Closed - 2 Pos Close-Off
Coil 2 Factory Mounted Piping Package	Yes

Sound Data at Max Fan Speed							
Band	2	3	4	5	6	7	8
Freq.	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Ducted Dis.	64	67	65	64	59	53	47

Unit data is certified in accordance with AHRI-440. Sound data tested in accordance with AHRI-350-2015. Unit pressure drop and L/s based upon dry coil as required by AHRI-440. Scheduled motor information is for High Speed. The coil selection has been made at Standard conditions. Outside Airflow is a user input value for scheduling purposes.

Fan Curve



Performance

Model: VFE-C: Vertical Floor Mounted Exposed Cabinet (Flat Top)	Ship Cycle: Standard Shipment
Size: 12	Printed Date: 04/21/2026
QTY: 1	Last Revised Date: 04/02/2026
Elevation: 335	Coil Version / Price Version: 8.12 / 1.1
	User: Heda Behzadpour
	Estimate ID# / Line#: aAdVy000000KPrTKAG / 5



Tag: FCU-1-1M

General	
Unit Size	12
Unit Airflow	600 (CFM)
Motor Voltage	115/1/60 ECM
Unit Capacity	Standard
ESP	0.79 (IN.WG)
Filter Type	1 Inch Pleated (MERV 8)
Filter PD	0.03 (IN.WG)
Weight	247 (LBS)
Ship Cycle	Standard Shipment
Motor HP	(2) 1/4
Motor Type	ECM
Motor Qty	2
Total Motors FLA	5.8
Total FLA	5.8
Motor Spd	Max
Fan Qty	4
Fan RPM at CFM	1976
Fan Watts at CFM	256

Unit Details	
Unit Color	Pearl White Satin
Insulation Type	Closed Cell Foam
Access Latches	Standard
Coil Casing Material	Galvanized
Drain Pan Material	Stainless Steel Drain Pan
Auxiliary Drip Pan	Plastic
Discharge Air Type	Stamped Louver Grille
Return Air Type	Stamped Louver Grille
MCA	6.52
MSCP	15
Control Enclosure Handing	Right Hand
Disconnect Switch	Non-Fused Door Interlock Disconnect (40 Amp)
Basic Control Package	BC02 24V, Unit S/S Relay / Fan Relay
Additional Height	Standard Height
Additional Width	Standard Width

Chilled Water Coil Performance	
EAT DB / WB	80 / 67 (°F)
LAT DB / WB	59.2 / 57.9 (°F)
EWT / LWT	42 / 52.7 (°F)
Total Capacity	16.62 (MBH)
Sensible Capacity	13.27 (MBH)
Rows / FPI / Circuits	3 Row / 12 FPI / 3 Ckt
Fluid Flow	3.5 (GPM)
Fluid PD	3.85 (FT.WG)
Fluid Velocity	2.29 (FPS)
Air PD	0.05 (IN.WG)
Glycol Concentration	30
Tube Wall	0.025 (IN.)
Tube Diameter	1/2 (IN.)
Coil Connection Size	5/8
Fluid Type	Water w/ Propylene Glycol

Electrical Details	
Motor Control	Select (3-Speed Adjustable)

Chilled Water Coil Details	
Coil 1 Type	Chilled Water
Coil 1 Handing	Left Hand
Coil 1 Air Vent	Manual
Coil 1 Unions	Yes
Coil 1 Valve Package Type	Code 24 (2-Way, BV)
Coil 1 Valve Package Size	1/2 Inch
Coil 1 PT Ports	Yes
Coil 1 Y-Strainer	Yes
Coil 1 Actuator	Normally Closed - 2 Pos Close-Off
Coil 1 Factory Mounted Piping Package	Yes

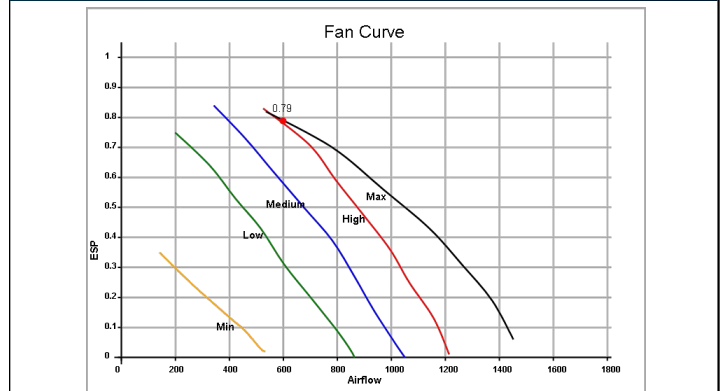
Hot Water Coil Performance (Re - Heat)	
EAT DB	65 (°F)
LAT DB	88.7 (°F)
EWT / LWT	140 / 95.4 (°F)
Sensible Capacity	16.57 (MBH)
Fluid Flow	0.7 (GPM)
Rows / FPI / Circuits	1 Row / 12 FPI / 1 Ckt
Fluid PD	1.07 (FT.WG)
Fluid Velocity	1.38 (FPS)
Air PD	0.01 (IN.WG)
Tube Wall	0.025 (IN.)
Tube Diameter	1/2 (IN.)
Coil Connection Size	5/8
Fluid Type	Water

Hot Water Coil Details	
Coil 2 Type	Hot Water
Coil 2 Handing	Left Hand
Coil 2 Air Vent	Manual
Coil 2 Unions	Yes
Coil 2 Valve Package Type	Code 24 (2-Way, BV)
Coil 2 Valve Package Size	1/2 Inch
Coil 2 PT Ports	Yes
Coil 2 Y-Strainer	Yes
Coil 2 Actuator	Normally Closed - 2 Pos Close-Off
Coil 2 Factory Mounted Piping Package	Yes

Sound Data at Max Fan Speed							
Band	2	3	4	5	6	7	8
Freq.	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Ducted Dis.	68	73	67	66	61	56	53

Unit data is certified in accordance with AHRI-440. Sound data tested in accordance with AHRI-350-2000. Unit pressure drop and L/s based upon dry coil as required by AHRI-440. Scheduled motor information is for High Speed. The coil selection has been made at Standard conditions. Outside Airflow is a user input value for scheduling purposes.

Fan Curve



Performance

Model: VFC-C: Vertical Floor Mounted Concealed Cabinet
 Size: 02
 QTY: 1
 Elevation: 335



Ship Cycle: Standard Shipment
 Printed Date: 04/21/2026
 Last Revised Date: 04/21/2026
 Coil Version / Price Version: 8.12 / 1.1
 User: Heda Behzadpour
 Estimate ID# / Line#: aAdVy000000KPrKAG / 6

Tag: FCU-3-1M

General	
Unit Size	02
Unit Airflow	110 (CFM)
Motor Voltage	115/1/60 ECM
Unit Capacity	Standard
ESP	0.52 (IN.WG)
Filter Type	1 Inch Pleated (MERV 8)
Filter PD	0.01 (IN.WG)
Weight	73 (LBS)
Ship Cycle	Standard Shipment
Motor HP	(1) 1/4
Motor Type	ECM
Motor Qty	1
Total Motors FLA	2.9
Total FLA	2.9
Motor Spd	Max
Fan Qty	1
Fan RPM at CFM	1542
Fan Watts at CFM	33

Unit Details	
Insulation Type	Closed Cell Foam
Discharge Air Type	Discharge Duct Collar
Coil Casing Material	Galvanized
Drain Pan Material	Stainless Steel Drain Pan
Auxiliary Drip Pan	Plastic
MCA	3.62
MSCP	15
Control Enclosure Handing	Right Hand
Disconnect Switch	Non-Fused Door Interlock Disconnect (40 Amp)
Basic Control Package	BC02 24V, Unit S/S Relay / Fan Relay

Electrical Details	
Motor Control	Select (3-Speed Adjustable)

Chilled Water Coil Details	
Coil 1 Type	Chilled Water
Coil 1 Handing	Left Hand
Coil 1 Air Vent	Manual
Coil 1 Unions	Yes
Coil 1 Valve Package Type	Code 24 (2-Way, BV)
Coil 1 Valve Package Size	1/2 Inch
Coil 1 PT Ports	Yes
Coil 1 Y-Strainer	Yes
Coil 1 Actuator	Normally Closed - 2 Pos Close-Off
Coil 1 Factory Mounted Piping Package	Yes

Hot Water Coil Details	
Coil 2 Type	Hot Water
Coil 2 Handing	Left Hand
Coil 2 Air Vent	Manual
Coil 2 Unions	Yes
Coil 2 Valve Package Type	Code 24 (2-Way, BV)
Coil 2 Valve Package Size	1/2 Inch
Coil 2 PT Ports	Yes
Coil 2 Y-Strainer	Yes
Coil 2 Actuator	Normally Closed - 2 Pos Close-Off
Coil 2 Factory Mounted Piping Package	Yes

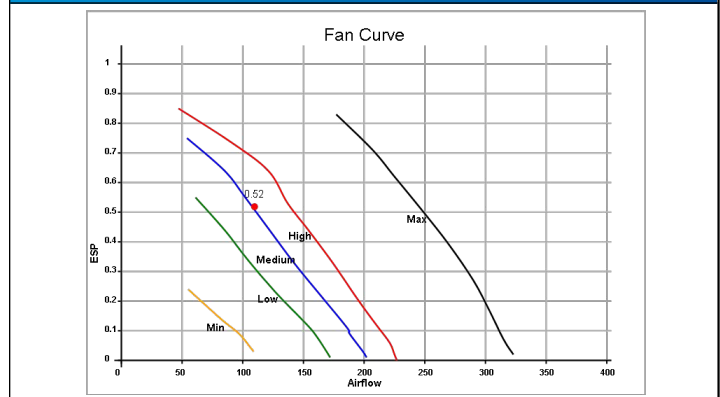
Chilled Water Coil Performance	
EAT DB / WB	80 / 67 (°F)
LAT DB / WB	59 / 58.1 (°F)
EWT / LWT	42 / 55.4 (°F)
Total Capacity	2.98 (MBH)
Sensible Capacity	2.45 (MBH)
Rows / FPI / Circuits	3 Row / 12 FPI / 1 Ckt
Fluid Flow	0.5 (GPM)
Fluid PD	1.66 (FT.WG)
Fluid Velocity	0.98 (FPS)
Air PD	0.03 (IN.WG)
Glycol Concentration	30
Tube Wall	0.025 (IN.)
Tube Diameter	1/2 (IN.)
Coil Connection Size	5/8
Fluid Type	Water w/ Propylene Glycol

Hot Water Coil Performance (Re - Heat)	
EAT DB	65 (°F)
LAT DB	98.1 (°F)
EWT / LWT	140 / 120 (°F)
Sensible Capacity	4.13 (MBH)
Fluid Flow	0.4 (GPM)
Rows / FPI / Circuits	1 Row / 12 FPI / 1 Ckt
Fluid PD	0.2 (FT.WG)
Fluid Velocity	0.79 (FPS)
Air PD	0 (IN.WG)
Tube Wall	0.025 (IN.)
Tube Diameter	1/2 (IN.)
Coil Connection Size	5/8
Fluid Type	Water

Sound Data at Max Fan Speed							
Band	2	3	4	5	6	7	8
Freq.	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Ducted Dis.	59	64	55	52	47	41	37

Unit data is certified in accordance with AHRI-440. Sound data tested in accordance with AHRI-350-2000. Unit pressure drop and L/s based upon dry coil as required by AHRI-440. Scheduled motor information is for High Speed. The coil selection has been made at Standard conditions. Outside Airflow is a user input value for scheduling purposes.

Fan Curve



Performance		
Model:	CDV: Vertical High Performance Front Return	Ship Cycle: Standard Shipment
Size:	12	Printed Date: 04/21/2026
QTY:	1	Last Revised Date: 04/21/2026
Elevation:	335	Coil Version / Price Version: 8.12 / 1.1
		User: Heda Behzadpour
		Estimate ID# / Line#: aAdVy000000KPrKAG / 7



Tag: FCU-3-2M

General	
Unit Size	12
Unit Airflow	625 (CFM)
Motor Voltage	115/1/60 ECM
Unit Capacity	Standard
ESP	0.49 (IN.WG)
Filter Type	1 Inch Pleated (MERV 8)
Filter PD	0.05 (IN.WG)
Weight	175 (LBS)
Ship Cycle	Standard Shipment
Motor HP	(1) 1/2
Motor Type	ECM
Motor Qty	1
Total Motors FLA	7.7
Total FLA	7.7
Motor Spd	Max
Fan Qty	1
Fan RPM at CFM	1500
Fan Watts at CFM	886

Unit Details	
Insulation Type	Standard Fiberglass
Return Air Location	Front Return
Coil Casing Material	Galvanized
Drain Pan Material	Stainless Steel Drain Pan
Thermostat	N11 Dig/Prog - 4 Pipe Heat/Cool - A/C - 3/SS
Thermostat Location	Remote Mounted Thermostat
Network Capability	BACnet Enabled
MCA	9.62
MSCP	15
Disconnect Switch	Non-Fused Door Interlock Disconnect (40 Amp)
Basic Control Package	BC02 24V, Unit S/S Relay / Fan Relay

Electrical Details	
Motor Control	Select (3-Speed Adjustable)

Chilled Water Coil Performance	
EAT DB / WB	77.5 / 65.4 (°F)
LAT DB / WB	58.1 / 57.3 (°F)
EWT / LWT	42 / 53.5 (°F)
Total Capacity	15.38 (MBH)
Sensible Capacity	12.95 (MBH)
Rows / FPI / Circuits	4 Row / 12 FPI / 4 Ckt
Fluid Flow	2.8 (GPM)
Fluid PD	2.25 (FT.WG)
Fluid Velocity	1.38 (FPS)
Air PD	0.11 (IN.WG)
Glycol Concentration	30
Tube Wall	0.025 (IN.)
Tube Diameter	1/2 (IN.)
Coil Connection Size	7/8
Fluid Type	Water w/ Propylene Glycol

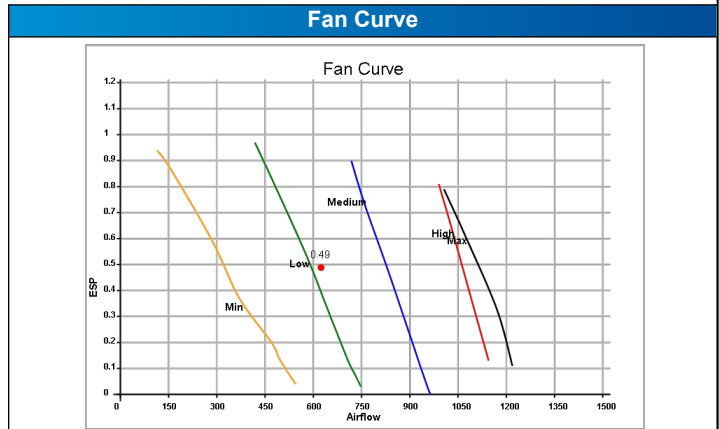
Chilled Water Coil Details	
Coil 1 Type	Chilled Water
Coil 1 Handing	Left Hand
Coil 1 Air Vent	Manual
Coil 1 Valve Package Type	Code 24 (2-Way, BV)
Coil 1 Valve Package Size	1/2 Inch
Coil 1 Y-Strainer	Yes
Coil 1 PT Ports	Yes
Coil 1 Unions	Yes
Coil 1 Actuator	Normally Closed - 2 Pos Close-Off

Hot Water Coil Performance (Re - Heat)	
EAT DB	65 (°F)
LAT DB	90.6 (°F)
EWT / LWT	140 / 108 (°F)
Sensible Capacity	17.32 (MBH)
Fluid Flow	1.1 (GPM)
Rows / FPI / Circuits	2 Row / 12 FPI / 4 Ckt
Fluid PD	0.1 (FT.WG)
Fluid Velocity	0.54 (FPS)
Air PD	0.06 (IN.WG)
Tube Wall	0.025 (IN.)
Tube Diameter	1/2 (IN.)
Coil Connection Size	5/8
Fluid Type	Water

Hot Water Coil Details	
Coil 2 Type	Hot Water
Coil 2 Handing	Left Hand
Coil 2 Air Vent	Manual
Coil 2 Valve Package Type	Code 24 (2-Way, BV)
Coil 2 Valve Package Size	1/2 Inch
Coil 2 Y-Strainer	Yes
Coil 2 PT Ports	Yes
Coil 2 Unions	Yes
Coil 2 Actuator	Normally Closed - 2 Pos Close-Off

Sound Data at Max Fan Speed							
Band	2	3	4	5	6	7	8
Freq.	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Ducted Dis.	77	72	67	68	68	67	62

Unit data is certified in accordance with AHRI-440. Sound data tested in accordance with AHRI-350-2000. Unit pressure drop and L/s based upon dry coil as required by AHRI-440. Scheduled motor information is for High Speed. The coil selection has been made at Standard conditions. Outside Airflow is a user input value for scheduling purposes.



Performance

Model: CDV: Vertical High Performance Front Return	Ship Cycle: Standard Shipment	
Size: 08	Printed Date: 04/21/2026	
QTY: 1	Last Revised Date: 04/21/2026	
Elevation: 335	Coil Version / Price Version: 8.12 / 1.1	
	User: Heda Behzadpour	
	Estimate ID# / Line#: aAdVy000000KPrKAG / 8	



Tag: FCU-3-3M

General	
Unit Size	08
Unit Airflow	460 (CFM)
Motor Voltage	115/1/60 ECM
Unit Capacity	Standard
ESP	0.6 (IN.WG)
Filter Type	1 Inch Pleated (MERV 8)
Filter PD	0.05 (IN.WG)
Weight	151 (LBS)
Ship Cycle	Standard Shipment
Motor HP	(1) 1/3
Motor Type	ECM
Motor Qty	1
Total Motors FLA	5
Total FLA	5
Motor Spd	Max
Fan Qty	1
Fan RPM at CFM	1050
Fan Watts at CFM	575

Unit Details	
Insulation Type	Standard Fiberglass
Return Air Location	Front Return
Coil Casing Material	Galvanized
Drain Pan Material	Stainless Steel Drain Pan
Thermostat	N11 Dig/Prog - 4 Pipe Heat/Cool - A/C - 3/SS
Thermostat Location	Remote Mounted Thermostat
Network Capability	BACnet Enabled
MCA	6.25
MSCP	15
Disconnect Switch	Non-Fused Door Interlock Disconnect (40 Amp)
Basic Control Package	BC02 24V, Unit S/S Relay / Fan Relay

Electrical Details	
Motor Control	Select (3-Speed Adjustable)

Chilled Water Coil Performance	
EAT DB / WB	77.5 / 65.4 (°F)
LAT DB / WB	58.8 / 57.8 (°F)
EWT / LWT	42 / 53.9 (°F)
Total Capacity	10.72 (MBH)
Sensible Capacity	9.18 (MBH)
Rows / FPI / Circuits	4 Row / 12 FPI / 2 Ckt
Fluid Flow	1.9 (GPM)
Fluid PD	4.74 (FT.WG)
Fluid Velocity	1.64 (FPS)
Air PD	0.14 (IN.WG)
Glycol Concentration	30
Tube Wall	0.016 (IN.)
Tube Diameter	1/2 (IN.)
Coil Connection Size	7/8
Fluid Type	Water w/ Propylene Glycol

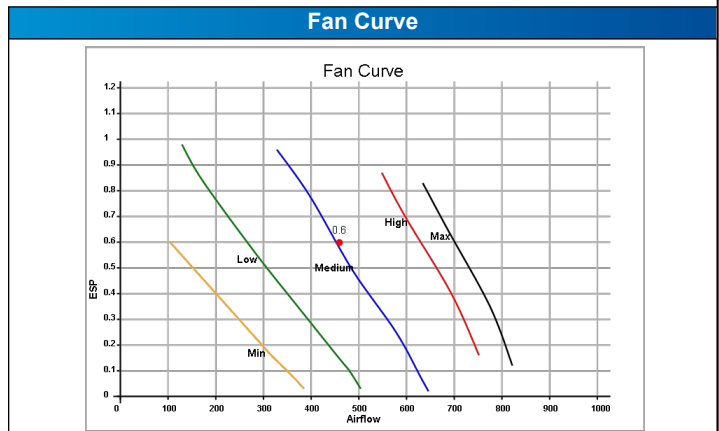
Chilled Water Coil Details	
Coil 1 Type	Chilled Water
Coil 1 Handing	Left Hand
Coil 1 Air Vent	Manual
Coil 1 Valve Package Type	Code 24 (2-Way, BV)
Coil 1 Valve Package Size	1/2 Inch
Coil 1 Y-Strainer	Yes
Coil 1 PT Ports	Yes
Coil 1 Unions	Yes
Coil 1 Actuator	Normally Closed - 2 Pos Close-Off

Hot Water Coil Performance (Re - Heat)	
EAT DB	65 (°F)
LAT DB	92.5 (°F)
EWT / LWT	140 / 109.2 (°F)
Sensible Capacity	13.65 (MBH)
Fluid Flow	0.9 (GPM)
Rows / FPI / Circuits	2 Row / 12 FPI / 2 Ckt
Fluid PD	0.24 (FT.WG)
Fluid Velocity	0.78 (FPS)
Air PD	0.1 (IN.WG)
Tube Wall	0.016 (IN.)
Tube Diameter	1/2 (IN.)
Coil Connection Size	5/8
Fluid Type	Water

Hot Water Coil Details	
Coil 2 Type	Hot Water
Coil 2 Handing	Left Hand
Coil 2 Air Vent	Manual
Coil 2 Valve Package Type	Code 24 (2-Way, BV)
Coil 2 Valve Package Size	1/2 Inch
Coil 2 Y-Strainer	Yes
Coil 2 PT Ports	Yes
Coil 2 Unions	Yes
Coil 2 Actuator	Normally Closed - 2 Pos Close-Off

Sound Data at Max Fan Speed							
Band	2	3	4	5	6	7	8
Freq.	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Ducted Dis.	75	70	64	59	57	56	49

Unit data is certified in accordance with AHRI-440. Sound data tested in accordance with AHRI-350-2000. Unit pressure drop and L/s based upon dry coil as required by AHRI-440. Scheduled motor information is for High Speed. The coil selection has been made at Standard conditions. Outside Airflow is a user input value for scheduling purposes.



Performance

Model: CDV: Vertical High Performance Front Return	Ship Cycle: Standard Shipment
Size: 16	Printed Date: 04/21/2026
QTY: 1	Last Revised Date: 04/21/2026
Elevation: 335	Coil Version / Price Version: 8.12 / 1.1
	User: Heda Behzadpour
	Estimate ID# / Line#: aAdVy000000KPrKAG / 9



Tag: FCU-3-4M

General	
Unit Size	16
Unit Airflow	510 (CFM)
Motor Voltage	115/1/60 ECM
Unit Capacity	Standard
ESP	0.38 (IN.WG)
Filter Type	1 Inch Pleated (MERV 8)
Filter PD	0.01 (IN.WG)
Weight	208 (LBS)
Ship Cycle	Standard Shipment
Motor HP	(2) 1/3
Motor Type	ECM
Motor Qty	2
Total Motors FLA	10
Total FLA	10
Motor Spd	Max
Fan Qty	2
Fan RPM at CFM	1050
Fan Watts at CFM	1150

Unit Details	
Insulation Type	Standard Fiberglass
Return Air Location	Front Return
Coil Casing Material	Galvanized
Drain Pan Material	Stainless Steel Drain Pan
Thermostat	N11 Dig/Prog - 4 Pipe Heat/Cool - A/C - 3/SS
Thermostat Location	Remote Mounted Thermostat
Network Capability	BACnet Enabled
MCA	11.25
MSCP	15
Disconnect Switch	Non-Fused Door Interlock Disconnect (40 Amp)
Basic Control Package	BC02 24V, Unit S/S Relay / Fan Relay

Electrical Details	
Motor Control	Select (3-Speed Adjustable)

Chilled Water Coil Performance	
EAT DB / WB	77.5 / 65.4 (°F)
LAT DB / WB	58.2 / 57.1 (°F)
EWT / LWT	42 / 53.8 (°F)
Total Capacity	12.87 (MBH)
Sensible Capacity	10.52 (MBH)
Rows / FPI / Circuits	3 Row / 10 FPI / 3 Ckt
Fluid Flow	2.3 (GPM)
Fluid PD	2.41 (FT.WG)
Fluid Velocity	1.32 (FPS)
Air PD	0.03 (IN.WG)
Glycol Concentration	30
Tube Wall	0.016 (IN.)
Tube Diameter	1/2 (IN.)
Coil Connection Size	7/8
Fluid Type	Water w/ Propylene Glycol

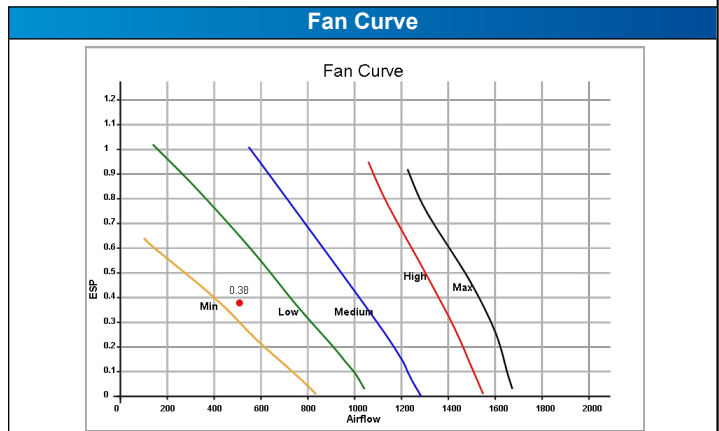
Chilled Water Coil Details	
Coil 1 Type	Chilled Water
Coil 1 Handing	Left Hand
Coil 1 Air Vent	Manual
Coil 1 Valve Package Type	Code 24 (2-Way, BV)
Coil 1 Valve Package Size	1/2 Inch
Coil 1 Y-Strainer	Yes
Coil 1 PT Ports	Yes
Coil 1 Unions	Yes
Coil 1 Actuator	Normally Closed - 2 Pos Close-Off

Hot Water Coil Performance (Re - Heat)	
EAT DB	65 (°F)
LAT DB	97.9 (°F)
EWT / LWT	140 / 106.5 (°F)
Sensible Capacity	18.14 (MBH)
Fluid Flow	1.1 (GPM)
Rows / FPI / Circuits	2 Row / 10 FPI / 4 Ckt
Fluid PD	0.09 (FT.WG)
Fluid Velocity	0.47 (FPS)
Air PD	0.02 (IN.WG)
Tube Wall	0.016 (IN.)
Tube Diameter	1/2 (IN.)
Coil Connection Size	5/8
Fluid Type	Water

Hot Water Coil Details	
Coil 2 Type	Hot Water
Coil 2 Handing	Left Hand
Coil 2 Air Vent	Manual
Coil 2 Valve Package Type	Code 24 (2-Way, BV)
Coil 2 Valve Package Size	1/2 Inch
Coil 2 Y-Strainer	Yes
Coil 2 PT Ports	Yes
Coil 2 Unions	Yes
Coil 2 Actuator	Normally Closed - 2 Pos Close-Off

Sound Data at Max Fan Speed							
Band	2	3	4	5	6	7	8
Freq.	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Ducted Dis.	77	71	67	65	64	63	57

Unit data is certified in accordance with AHRI-440. Sound data tested in accordance with AHRI-350-2000. Unit pressure drop and L/s based upon dry coil as required by AHRI-440. Scheduled motor information is for High Speed. The coil selection has been made at Standard conditions. Outside Airflow is a user input value for scheduling purposes.



Performance

Model: CDV: Vertical High Performance Front Return	Ship Cycle: Standard Shipment	Printed Date: 04/21/2026
Size: 16		Last Revised Date: 04/21/2026
QTY: 4		Coil Version / Price Version: 8.12 / 1.1
Elevation: 335		User: Heda Behzadpour
		Estimate ID# / Line#: aAdVy000000KPrTKAG / 10



Tag: FCU-3-5M,FCU-3-7M,FCU-3-10M,FCU-3-11M

General	
Unit Size	16
Unit Airflow	405 (CFM)
Motor Voltage	115/1/60 ECM
Unit Capacity	Standard
ESP	0.3 (IN.WG)
Filter Type	1 Inch Pleated (MERV 8)
Filter PD	0.01 (IN.WG)
Weight	196 (LBS)
Ship Cycle	Standard Shipment
Motor HP	(2) 1/3
Motor Type	ECM
Motor Qty	2
Total Motors FLA	10
Total FLA	10
Motor Spd	Max
Fan Qty	2
Fan RPM at CFM	1050
Fan Watts at CFM	1150

Unit Details	
Insulation Type	Standard Fiberglass
Return Air Location	Front Return
Coil Casing Material	Galvanized
Drain Pan Material	Stainless Steel Drain Pan
Thermostat	N11 Dig/Prog - 4 Pipe Heat/Cool - A/C - 3/SS
Thermostat Location	Remote Mounted Thermostat
Network Capability	BACnet Enabled
MCA	11.25
MSCP	15
Disconnect Switch	Non-Fused Door Interlock Disconnect (40 Amp)
Basic Control Package	BC02 24V, Unit S/S Relay / Fan Relay

Electrical Details	
Motor Control	Select (3-Speed Adjustable)

Chilled Water Coil Performance	
EAT DB / WB	77.5 / 65.4 (°F)
LAT DB / WB	56.5 / 56 (°F)
EWT / LWT	42 / 55.3 (°F)
Total Capacity	11.4 (MBH)
Sensible Capacity	9.1 (MBH)
Rows / FPI / Circuits	3 Row / 12 FPI / 3 Ckt
Fluid Flow	1.8 (GPM)
Fluid PD	1.66 (FT.WG)
Fluid Velocity	1.03 (FPS)
Air PD	0.02 (IN.WG)
Glycol Concentration	30
Tube Wall	0.016 (IN.)
Tube Diameter	1/2 (IN.)
Coil Connection Size	7/8
Fluid Type	Water w/ Propylene Glycol

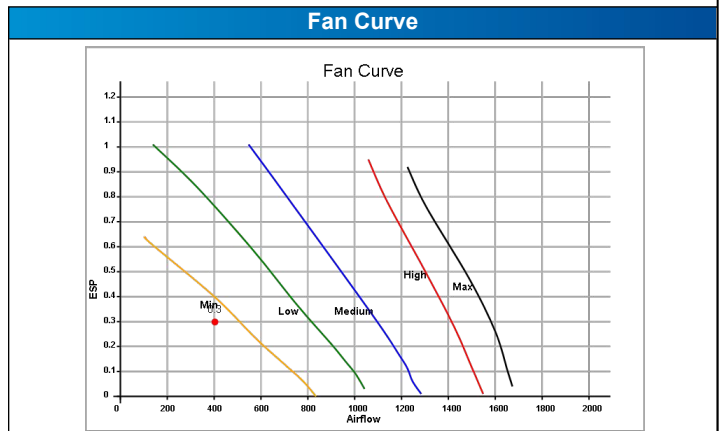
Chilled Water Coil Details	
Coil 1 Type	Chilled Water
Coil 1 Handing	Left Hand
Coil 1 Air Vent	Manual
Coil 1 Valve Package Type	Code 24 (2-Way, BV)
Coil 1 Valve Package Size	1/2 Inch
Coil 1 Y-Strainer	Yes
Coil 1 PT Ports	Yes
Coil 1 Unions	Yes
Coil 1 Actuator	Normally Closed - 2 Pos Close-Off

Hot Water Coil Performance (Re - Heat)	
EAT DB	65 (°F)
LAT DB	95.7 (°F)
EWT / LWT	140 / 109.6 (°F)
Sensible Capacity	13.45 (MBH)
Fluid Flow	0.9 (GPM)
Rows / FPI / Circuits	1 Row / 12 FPI / 2 Ckt
Fluid PD	0.22 (FT.WG)
Fluid Velocity	0.78 (FPS)
Air PD	0 (IN.WG)
Tube Wall	0.016 (IN.)
Tube Diameter	1/2 (IN.)
Coil Connection Size	5/8
Fluid Type	Water

Hot Water Coil Details	
Coil 2 Type	Hot Water
Coil 2 Handing	Left Hand
Coil 2 Air Vent	Manual
Coil 2 Valve Package Type	Code 24 (2-Way, BV)
Coil 2 Valve Package Size	1/2 Inch
Coil 2 Y-Strainer	Yes
Coil 2 PT Ports	Yes
Coil 2 Unions	Yes
Coil 2 Actuator	Normally Closed - 2 Pos Close-Off

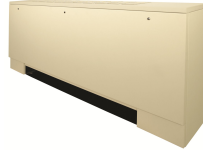
Sound Data at Max Fan Speed							
Band	2	3	4	5	6	7	8
Freq.	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Ducted Dis.	77	71	67	65	64	63	57

Unit data is certified in accordance with AHRI-440. Sound data tested in accordance with AHRI-350-2000. Unit pressure drop and L/s based upon dry coil as required by AHRI-440. Scheduled motor information is for High Speed. The coil selection has been made at Standard conditions. Outside Airflow is a user input value for scheduling purposes.



Performance

Model: VFE-C: Vertical Floor Mounted Exposed Cabinet (Flat Top)	Ship Cycle: Standard Shipment	Printed Date: 04/21/2026
Size: 10		Last Revised Date: 04/21/2026
QTY: 1		Coil Version / Price Version: 8.12 / 1.1
Elevation: 335		User: Heda Behzadpour
		Estimate ID# / Line#: aAdvY000000KPrTKAG / 11



Tag: FCU-3-6M

General	
Unit Size	10
Unit Airflow	635 (CFM)
Motor Voltage	115/1/60 ECM
Unit Capacity	Standard
ESP	0.65 (IN.WG)
Filter Type	1 Inch Pleated (MERV 8)
Filter PD	0.04 (IN.WG)
Weight	213 (LBS)
Ship Cycle	Standard Shipment
Motor HP	(2) 1/4
Motor Type	ECM
Motor Qty	2
Total Motors FLA	5.8
Total FLA	5.8
Motor Spd	Max
Fan Qty	4
Fan RPM at CFM	1947
Fan Watts at CFM	234

Unit Details	
Unit Color	Pearl White Satin
Insulation Type	Closed Cell Foam
Access Latches	Standard
Coil Casing Material	Galvanized
Drain Pan Material	Stainless Steel Drain Pan
Auxiliary Drip Pan	Plastic
Discharge Air Type	Stamped Louver Grille
Return Air Type	Stamped Louver Grille
MCA	6.52
MSCP	15
Control Enclosure Handling	Right Hand
Disconnect Switch	Non-Fused Door Interlock Disconnect (40 Amp)
Basic Control Package	BC02 24V, Unit S/S Relay / Fan Relay
Additional Height	Standard Height
Additional Width	Standard Width

Chilled Water Coil Performance	
EAT DB / WB	77.5 / 65.4 (°F)
LAT DB / WB	61.4 / 58.5 (°F)
EWT / LWT	42 / 49.3 (°F)
Total Capacity	13.04 (MBH)
Sensible Capacity	10.82 (MBH)
Rows / FPI / Circuits	2 Row / 12 FPI / 3 Ckt
Fluid Flow	4 (GPM)
Fluid PD	6.26 (FT.WG)
Fluid Velocity	3.98 (FPS)
Air PD	0.08 (IN.WG)
Glycol Concentration	30
Tube Wall	0.012 (IN.)
Tube Diameter	3/8 (IN.)
Coil Connection Size	5/8
Fluid Type	Water w/ Propylene Glycol

Electrical Details	
Motor Control	Select (3-Speed Adjustable)

Chilled Water Coil Details	
Coil 1 Type	Chilled Water
Coil 1 Handing	Left Hand
Coil 1 Air Vent	Manual
Coil 1 Unions	Yes
Coil 1 Valve Package Type	Code 24 (2-Way, BV)
Coil 1 Valve Package Size	1/2 Inch
Coil 1 PT Ports	Yes
Coil 1 Y-Strainer	Yes
Coil 1 Actuator	Normally Closed - 2 Pos Close-Off
Coil 1 Factory Mounted Piping Package	Yes

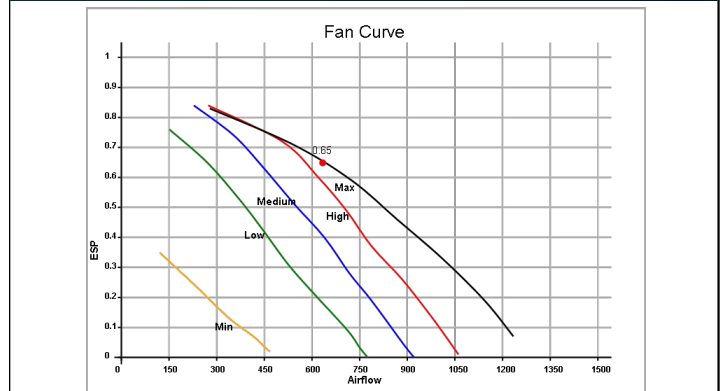
Hot Water Coil Performance (Re - Heat)	
EAT DB	65 (°F)
LAT DB	103.9 (°F)
EWT / LWT	140 / 106.1 (°F)
Sensible Capacity	27.49 (MBH)
Fluid Flow	1.6 (GPM)
Rows / FPI / Circuits	2 Row / 12 FPI / 3 Ckt
Fluid PD	0.91 (FT.WG)
Fluid Velocity	1.59 (FPS)
Air PD	0.06 (IN.WG)
Tube Wall	0.012 (IN.)
Tube Diameter	3/8 (IN.)
Coil Connection Size	5/8
Fluid Type	Water

Hot Water Coil Details	
Coil 2 Type	Hot Water
Coil 2 Handing	Left Hand
Coil 2 Air Vent	Manual
Coil 2 Unions	Yes
Coil 2 Valve Package Type	Code 24 (2-Way, BV)
Coil 2 Valve Package Size	1/2 Inch
Coil 2 PT Ports	Yes
Coil 2 Y-Strainer	Yes
Coil 2 Actuator	Normally Closed - 2 Pos Close-Off
Coil 2 Factory Mounted Piping Package	Yes

Sound Data at Max Fan Speed							
Band	2	3	4	5	6	7	8
Freq.	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Ducted Dis.	62	66	61	60	55	49	44

Unit data is certified in accordance with AHRI-440. Sound data tested in accordance with AHRI-350-2000. Unit pressure drop and L/s based upon dry coil as required by AHRI-440. Scheduled motor information is for High Speed. The coil selection has been made at Standard conditions. Outside airflow is a user input value for scheduling purposes.

Fan Curve



Performance

Model: CDV: Vertical High Performance Front Return	Ship Cycle: Standard Shipment	
Size: 16	Printed Date: 04/21/2026	
QTY: 1	Last Revised Date: 04/21/2026	
Elevation: 335	Coil Version / Price Version: 8.12 / 1.1	
	User: Heda Behzadpour	
	Estimate ID# / Line#: aAdVy000000KPrTKAG / 12	



Tag: FCU-3-8M

General	
Unit Size	16
Unit Airflow	575 (CFM)
Motor Voltage	115/1/60 ECM
Unit Capacity	Standard
ESP	0.43 (IN.WG)
Filter Type	1 Inch Pleated (MERV 8)
Filter PD	0.02 (IN.WG)
Weight	208 (LBS)
Ship Cycle	Standard Shipment
Motor HP	(2) 1/3
Motor Type	ECM
Motor Qty	2
Total Motors FLA	10
Total FLA	10
Motor Spd	Max
Fan Qty	2
Fan RPM at CFM	1050
Fan Watts at CFM	1150

Unit Details	
Insulation Type	Standard Fiberglass
Return Air Location	Front Return
Coil Casing Material	Galvanized
Drain Pan Material	Stainless Steel Drain Pan
Thermostat	N11 Dig/Prog - 4 Pipe Heat/Cool - A/C - 3/SS
Thermostat Location	Remote Mounted Thermostat
Network Capability	BACnet Enabled
MCA	11.25
MSCP	15
Disconnect Switch	Non-Fused Door Interlock Disconnect (40 Amp)
Basic Control Package	BC02 24V, Unit S/S Relay / Fan Relay

Electrical Details	
Motor Control	Select (3-Speed Adjustable)

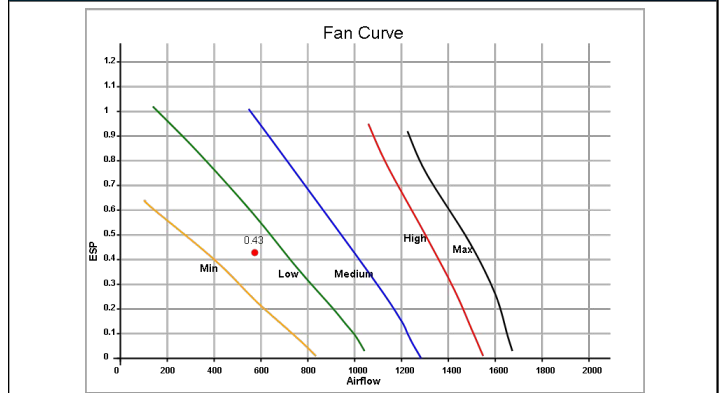
Chilled Water Coil Performance	
EAT DB / WB	77.5 / 65.4 (°F)
LAT DB / WB	59.1 / 57.7 (°F)
EWT / LWT	42 / 53.9 (°F)
Total Capacity	13.58 (MBH)
Sensible Capacity	11.35 (MBH)
Rows / FPI / Circuits	3 Row / 10 FPI / 3 Ckt
Fluid Flow	2.4 (GPM)
Fluid PD	2.56 (FT.WG)
Fluid Velocity	1.38 (FPS)
Air PD	0.03 (IN.WG)
Glycol Concentration	30
Tube Wall	0.016 (IN.)
Tube Diameter	1/2 (IN.)
Coil Connection Size	7/8
Fluid Type	Water w/ Propylene Glycol

Chilled Water Coil Details	
Coil 1 Type	Chilled Water
Coil 1 Handing	Left Hand
Coil 1 Air Vent	Manual
Coil 1 Valve Package Type	Code 24 (2-Way, BV)
Coil 1 Valve Package Size	1/2 Inch
Coil 1 Y-Strainer	Yes
Coil 1 PT Ports	Yes
Coil 1 Unions	Yes
Coil 1 Actuator	Normally Closed - 2 Pos Close-Off

Hot Water Coil Details	
Coil 2 Type	Hot Water
Coil 2 Handing	Left Hand
Coil 2 Air Vent	Manual
Coil 2 Valve Package Type	Code 24 (2-Way, BV)
Coil 2 Valve Package Size	1/2 Inch
Coil 2 Y-Strainer	Yes
Coil 2 PT Ports	Yes
Coil 2 Unions	Yes
Coil 2 Actuator	Normally Closed - 2 Pos Close-Off

Hot Water Coil Performance (Re - Heat)	
EAT DB	65 (°F)
LAT DB	97.1 (°F)
EWT / LWT	140 / 106.1 (°F)
Sensible Capacity	19.97 (MBH)
Fluid Flow	1.2 (GPM)
Rows / FPI / Circuits	2 Row / 10 FPI / 4 Ckt
Fluid PD	0.11 (FT.WG)
Fluid Velocity	0.52 (FPS)
Air PD	0.02 (IN.WG)
Tube Wall	0.016 (IN.)
Tube Diameter	1/2 (IN.)
Coil Connection Size	5/8
Fluid Type	Water

Fan Curve



Sound Data at Max Fan Speed							
Band	2	3	4	5	6	7	8
Freq.	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
Ducted Dis.	77	71	67	65	64	63	57

Unit data is certified in accordance with AHRI-440. Sound data tested in accordance with AHRI-350-2000. Unit pressure drop and L/s based upon dry coil as required by AHRI-440. Scheduled motor information is for High Speed. The coil selection has been made at Standard conditions. Outside Airflow is a user input value for scheduling purposes.

Performance				
Model:	CDV: Vertical High Performance Front Return	Ship Cycle:	Standard Shipment	
Size:	08		Printed Date:	04/21/2026
QTY:	1		Last Revised Date:	04/21/2026
Elevation:	335		Coil Version / Price Version:	8.12 / 1.1
			User:	Heda Behzadpour
Tag:	FCU-3-9M	Estimate ID# / Line#:	aAdVy000000KPrTKAG / 13	

General	
Unit Size	08
Unit Airflow	455 (CFM)
Motor Voltage	115/1/60 ECM
Unit Capacity	Standard
ESP	0.59 (IN.WG)
Filter Type	1 Inch Pleated (MERV 8)
Filter PD	0.05 (IN.WG)
Weight	151 (LBS)
Ship Cycle	Standard Shipment
Motor HP	(1) 1/3
Motor Type	ECM
Motor Qty	1
Total Motors FLA	5
Total FLA	5
Motor Spd	Max
Fan Qty	1
Fan RPM at CFM	1050
Fan Watts at CFM	575

Unit Details	
Insulation Type	Standard Fiberglass
Return Air Location	Front Return
Coil Casing Material	Galvanized
Drain Pan Material	Stainless Steel Drain Pan
Thermostat	N11 Dig/Prog - 4 Pipe Heat/Cool - A/C - 3/SS
Thermostat Location	Remote Mounted Thermostat
Network Capability	BACnet Enabled
MCA	6.25
MSCP	15
Disconnect Switch	Non-Fused Door Interlock Disconnect (40 Amp)
Basic Control Package	BC02 24V, Unit S/S Relay / Fan Relay

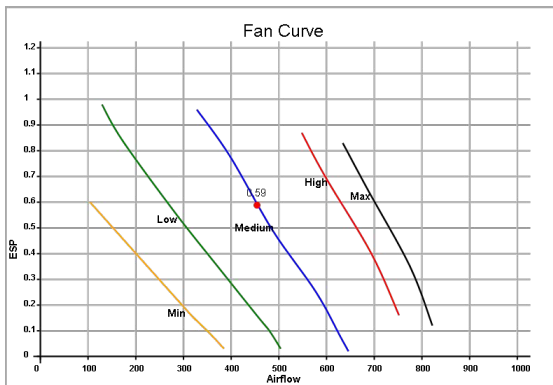
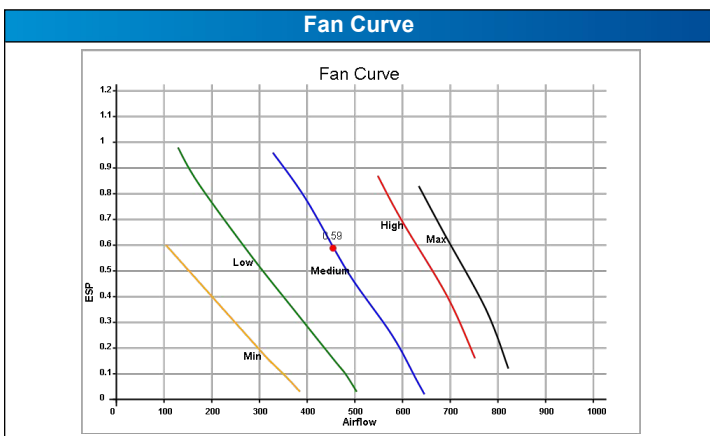
Electrical Details	
Motor Control	Select (3-Speed Adjustable)

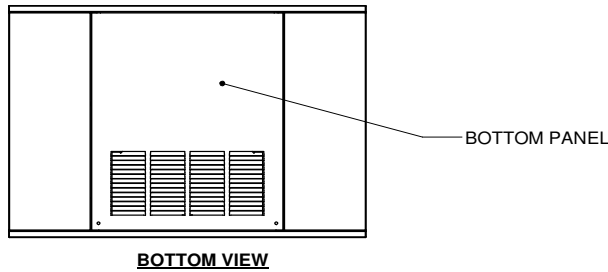
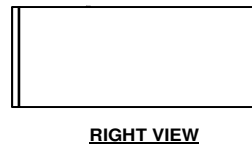
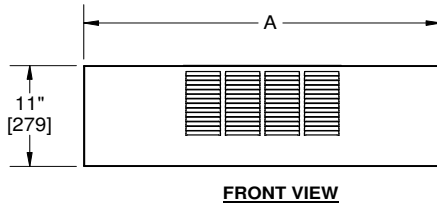
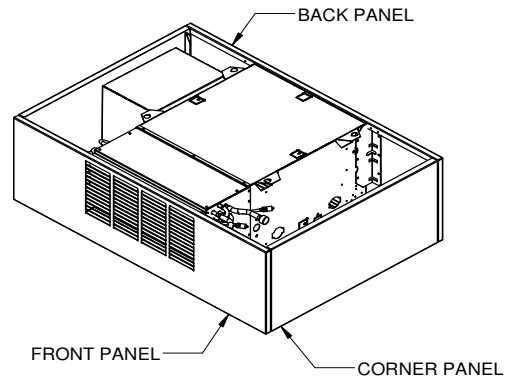
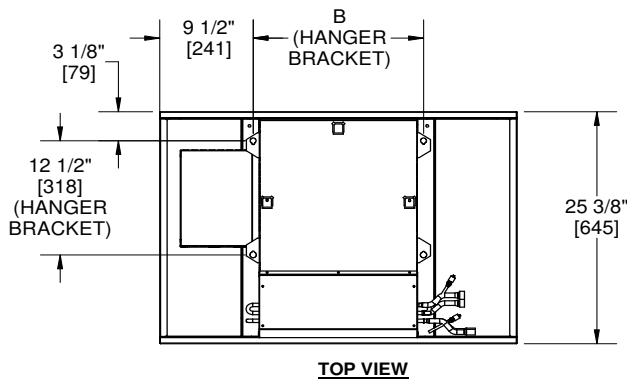
Chilled Water Coil Performance	
EAT DB / WB	77.5 / 65.4 (°F)
LAT DB / WB	59.3 / 58.2 (°F)
EWT / LWT	42 / 53.1 (°F)
Total Capacity	10.05 (MBH)
Sensible Capacity	8.84 (MBH)
Rows / FPI / Circuits	4 Row / 12 FPI / 4 Ckt
Fluid Flow	1.9 (GPM)
Fluid PD	0.96 (FT.WG)
Fluid Velocity	0.93 (FPS)
Air PD	0.13 (IN.WG)
Glycol Concentration	30
Tube Wall	0.025 (IN.)
Tube Diameter	1/2 (IN.)
Coil Connection Size	7/8
Fluid Type	Water w/ Propylene Glycol

Chilled Water Coil Details	
Coil 1 Type	Chilled Water
Coil 1 Handing	Left Hand
Coil 1 Air Vent	Manual
Coil 1 Valve Package Type	Code 24 (2-Way, BV)
Coil 1 Valve Package Size	1/2 Inch
Coil 1 Y-Strainer	Yes
Coil 1 PT Ports	Yes
Coil 1 Unions	Yes
Coil 1 Actuator	Normally Closed - 2 Pos Close-Off

Hot Water Coil Details	
Coil 2 Type	Hot Water
Coil 2 Handing	Left Hand
Coil 2 Air Vent	Manual
Coil 2 Valve Package Type	Code 24 (2-Way, BV)
Coil 2 Valve Package Size	1/2 Inch
Coil 2 Y-Strainer	Yes
Coil 2 PT Ports	Yes
Coil 2 Unions	Yes
Coil 2 Actuator	Normally Closed - 2 Pos Close-Off

Hot Water Coil Performance (Re - Heat)	
EAT DB	65 (°F)
LAT DB	91.5 (°F)
EWT / LWT	140 / 106.9 (°F)
Sensible Capacity	13.02 (MBH)
Fluid Flow	0.8 (GPM)
Rows / FPI / Circuits	2 Row / 12 FPI / 2 Ckt
Fluid PD	0.24 (FT.WG)
Fluid Velocity	0.79 (FPS)
Air PD	0.1 (IN.WG)
Tube Wall	0.025 (IN.)
Tube Diameter	1/2 (IN.)
Coil Connection Size	5/8
Fluid Type	Water





DIMENSIONS		
UNIT SIZE	A	B
02	36 1/4" [921]	17 1/4" [438]
03	39 1/2" [1003]	20 1/2" [521]
04	44 1/2" [1130]	25 1/2" [648]
06	51 1/4" [1302]	32 1/4" [819]
08	58 1/4" [1480]	39 1/4" [997]
09	62 1/2" [1588]	43 1/2" [1105]
10	72 1/4" [1835]	53 1/4" [1353]
12	80 1/4" [2038]	61 1/4" [1556]

NOTES:

- All dimensions are inches [millimeters]. All dimensions $\pm 1/4"$ [6mm]. Metric values are soft conversions.
- Left hand unit shown, right hand unit opposite.
- Provide sufficient clearance to access electrical controls and comply with applicable codes and ordinances.
- Drain piping should be routed through casing opening indicated to provide proper slope.
- Bottom panel removable for access to filter and fan assembly.
- Corner panels are removable to access electrical enclosure, coil and valve pack.
- Internal insulation of field piping may be required.
- Field piping casing penetrations must be cut in the field to match individual job requirements.
- All dimensions also apply to units with Electric Heat Only.

TITLE:
Model: HLE-D

Horizontal Fan Coil Low Profile Exposed Cabinet - Bottom Return



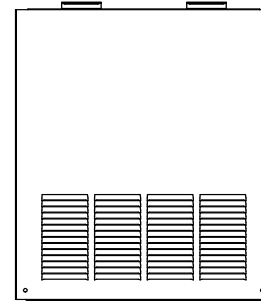
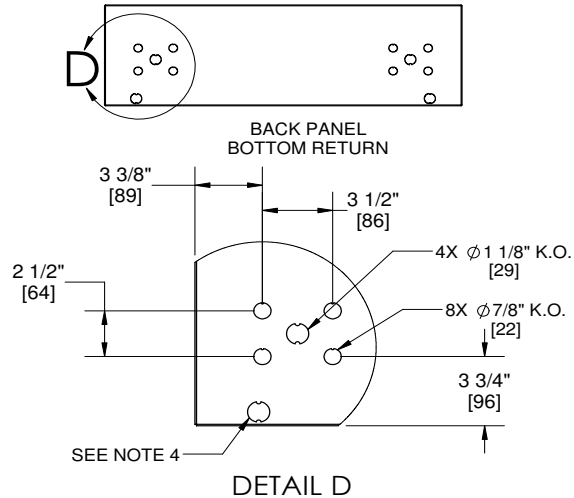
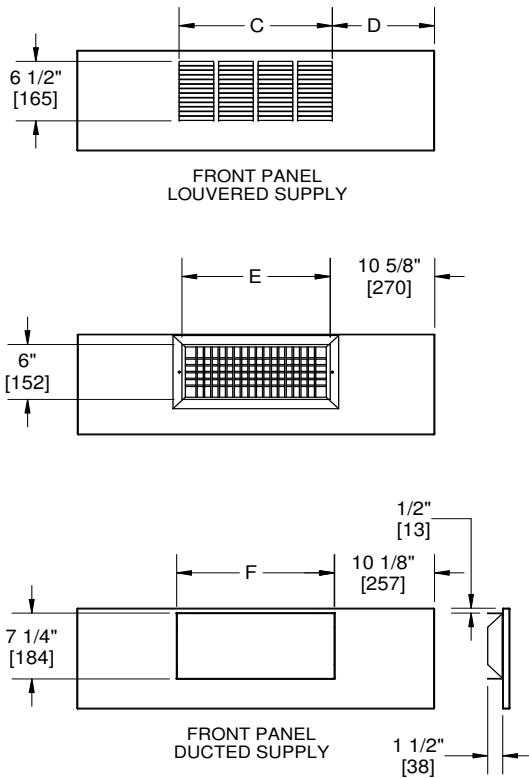
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BOTTOM PANEL
BOTTOM RETURN

DIMENSIONS				
UNIT SIZE	C	D	E	F
02	15 1/2" [394]	10 3/8" [264]	15" [381]	16" [406]
03	15 1/2" [394]	12" [305]	18" [457]	19 1/4" [489]
04	23 1/2" [597]	10 1/2" [267]	23" [584]	24 1/4" [616]
06	27 1/2" [699]	11 7/8" [302]	30" [762]	31" [787]
08	35 1/2" [902]	11 3/8" [289]	37" [940]	38" [965]
09	39 1/2" [1003]	11 1/2" [292]	41" [1041]	42 1/4" [1073]
10	51 1/2" [1308]	10 3/8" [264]	23" [584]	52" [1321]
12	59 1/2" [1511]	10 3/8" [264]	27" [686]	60" [1524]

NOTES:

1. All dimensions are inches [millimeters]. All dimensions $\pm 1/4"$ [6mm]. Metric values are soft conversions.
2. Left hand unit shown, right hand unit opposite.
3. Provide sufficient clearance to access electrical controls and comply with applicable codes and ordinances.
4. Drain piping should be routed through casing opening indicated to provide proper slope.
5. Bottom panel removable for access to filter and fan assembly.
6. Corner panels are removable to access electrical enclosure, coil and valve pack.
7. Internal insulation of field piping may be required.
8. Field piping casing penetrations must be cut in the field to match individual job requirements.
9. All dimensions also apply to units with Electric Heat Only.

TITLE:

Model: HLE-D

Horizontal Fan Coil Low Profile Exposed Cabinet - Bottom Return



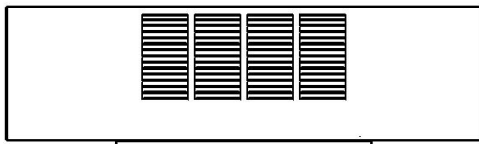
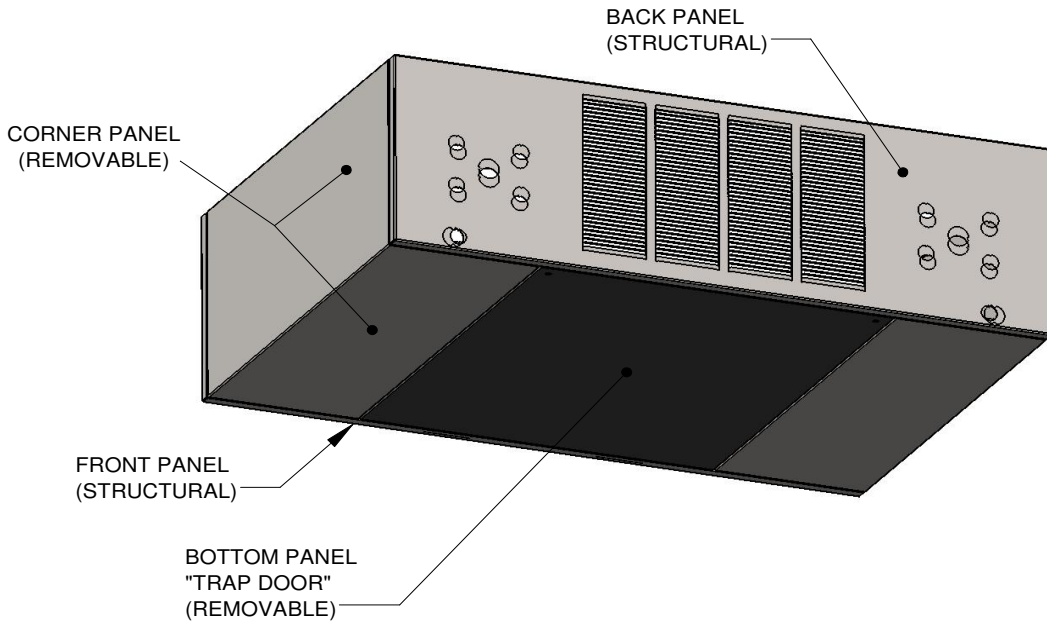
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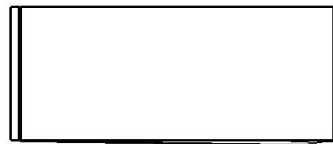
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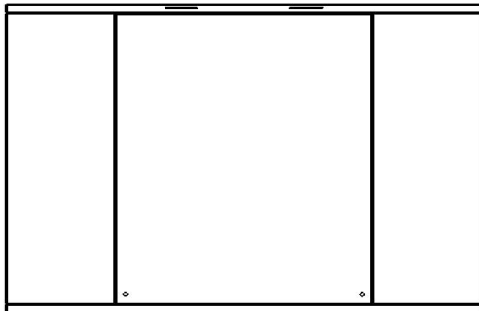
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FRONT VIEW
TRAP DOOR OPENED 1" [25]



RIGHT VIEW
TRAP DOOR OPENED 1" [25]



BOTTOM VIEW
TRAP DOOR OPENED 1" [25]

TITLE:
Model: HLE-D
Horizontal Fan Coil Low Profile Exposed Cabinet- Service Envelope



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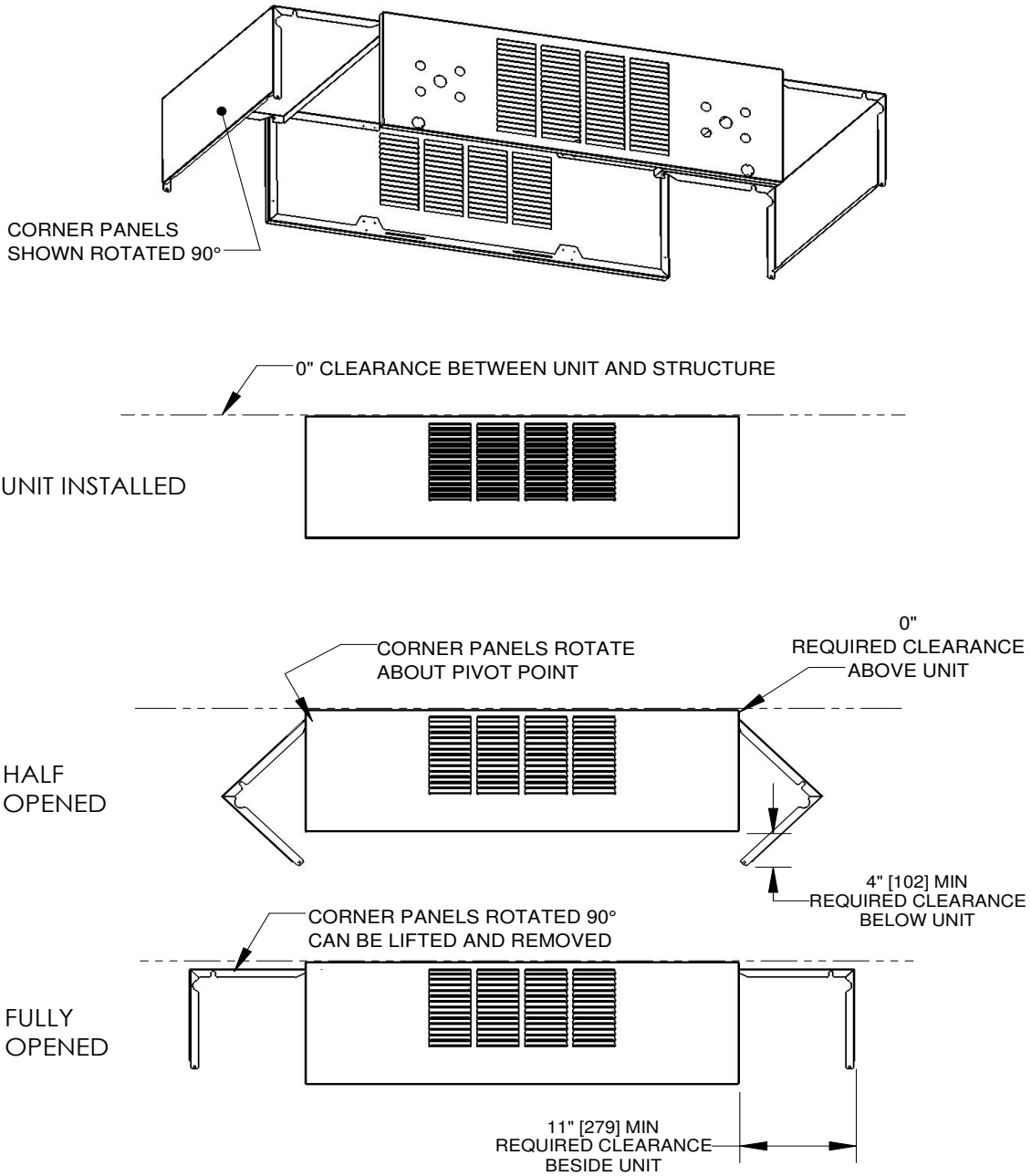
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DATE:
04/07/2016

ECR#: REV:
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DRAWING NO:
47-80118

HEIGHT RESTRICTED APPLICATION



TITLE: **Model: HLE-D**
Horizontal Fan Coil Low Profile Exposed Cabinet- Service Envelope



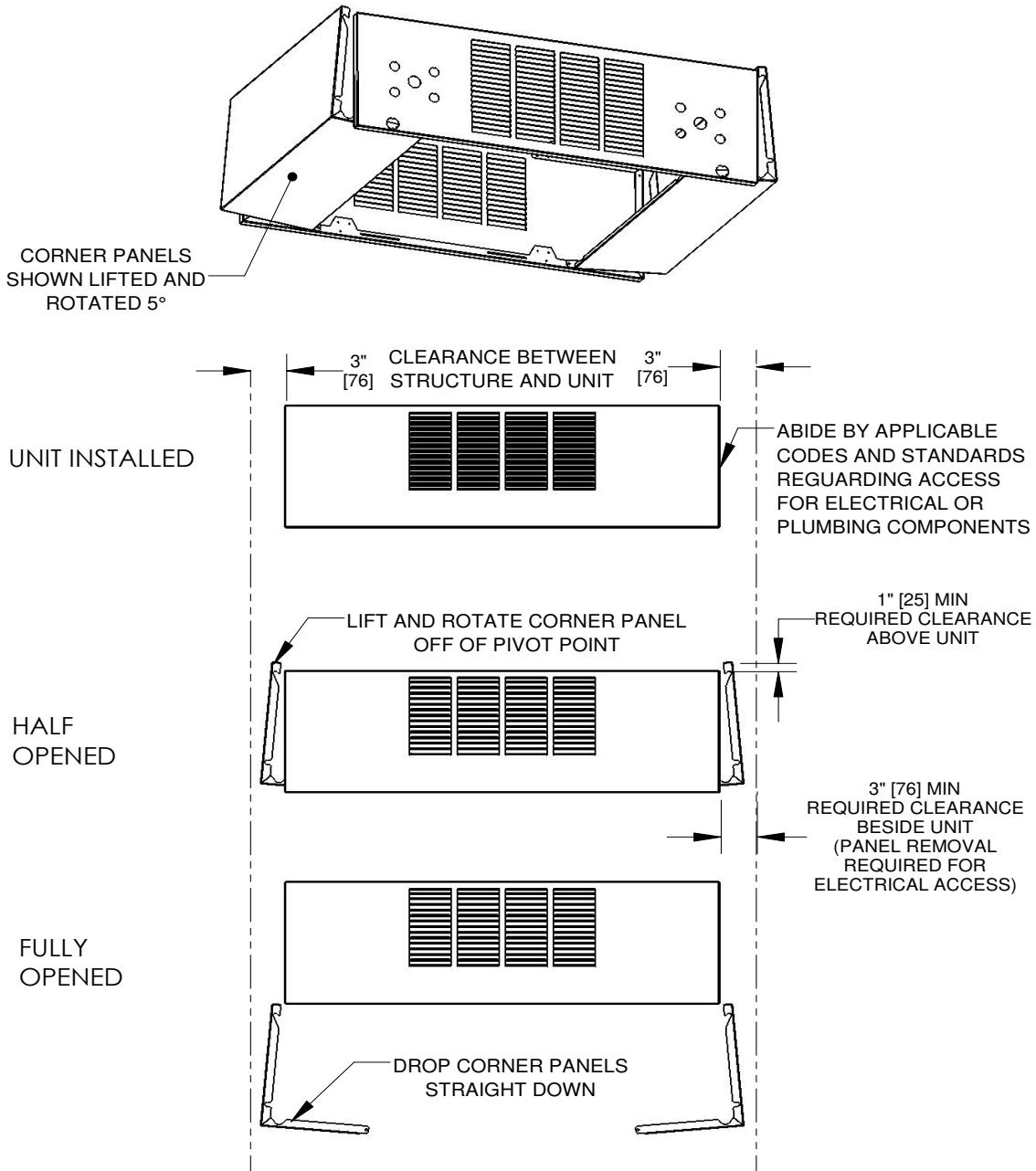
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DATE: 04/07/2016
ECR#:
REV: 0

DRAWING NO: 47-80118

WIDTH RESTRICTED APPLICATION



TITLE: **Model: HLE-D**
Horizontal Fan Coil Low Profile Exposed Cabinet- Service Envelope

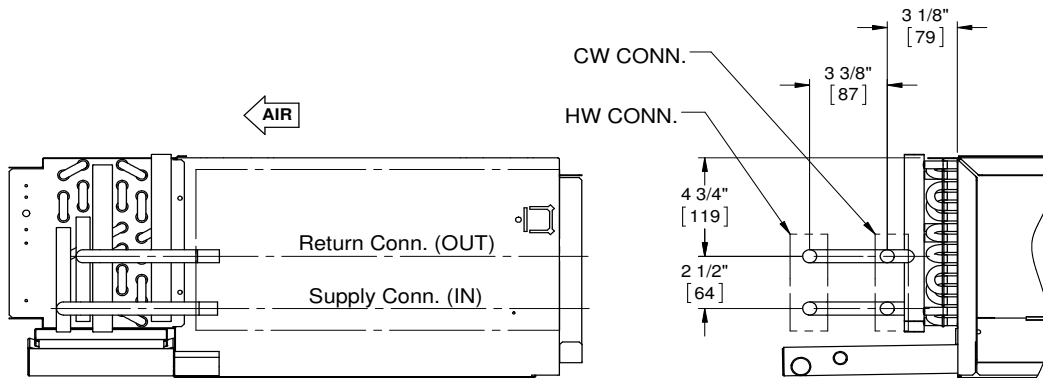
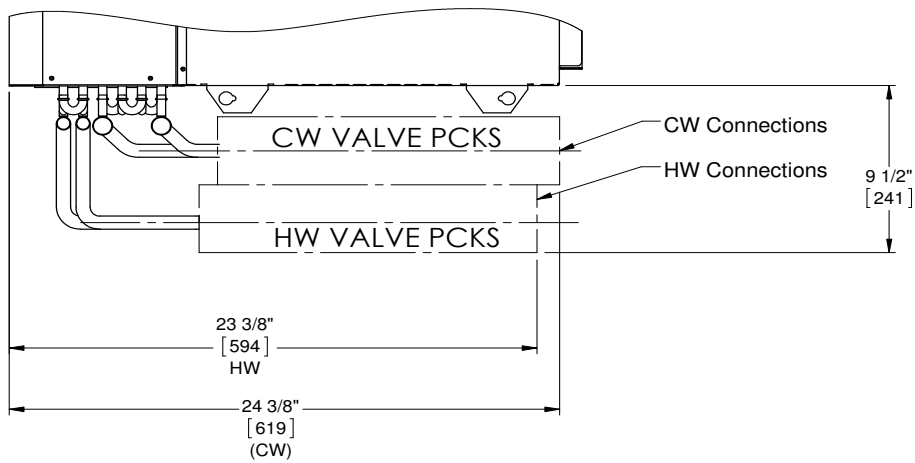


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DATE: 04/07/2016
ECR#:
REV: 0

DRAWING NO: 47-80118



4 PIPE RE-HEAT
(LEFT HAND)

NOTES:

1. All dimensions are inches [millimeters]
All dimensions $\pm 1/2$ [13mm].
Metric values are soft conversion.
2. All drawings subject to change without notice.
3. Connection Size:
Chilled Water: 5/8 ODM (1/2" NOM.)
Hot Water: 5/8 ODM (1/2" NOM.)
4. See "Coil Connection Location" drawing for drain pan specifications.
5. Consult Solution Navigator selection summary for valve-package components and specifications.

TITLE:

Model: HLE-D

Horizl Fan Coil Low Profile Plenum Return and Free Return - 4-P LH
Water Coil, Conneciton Locations



DATE:

04/18/2016

DRAWING NO:

47-80125

ECR#:

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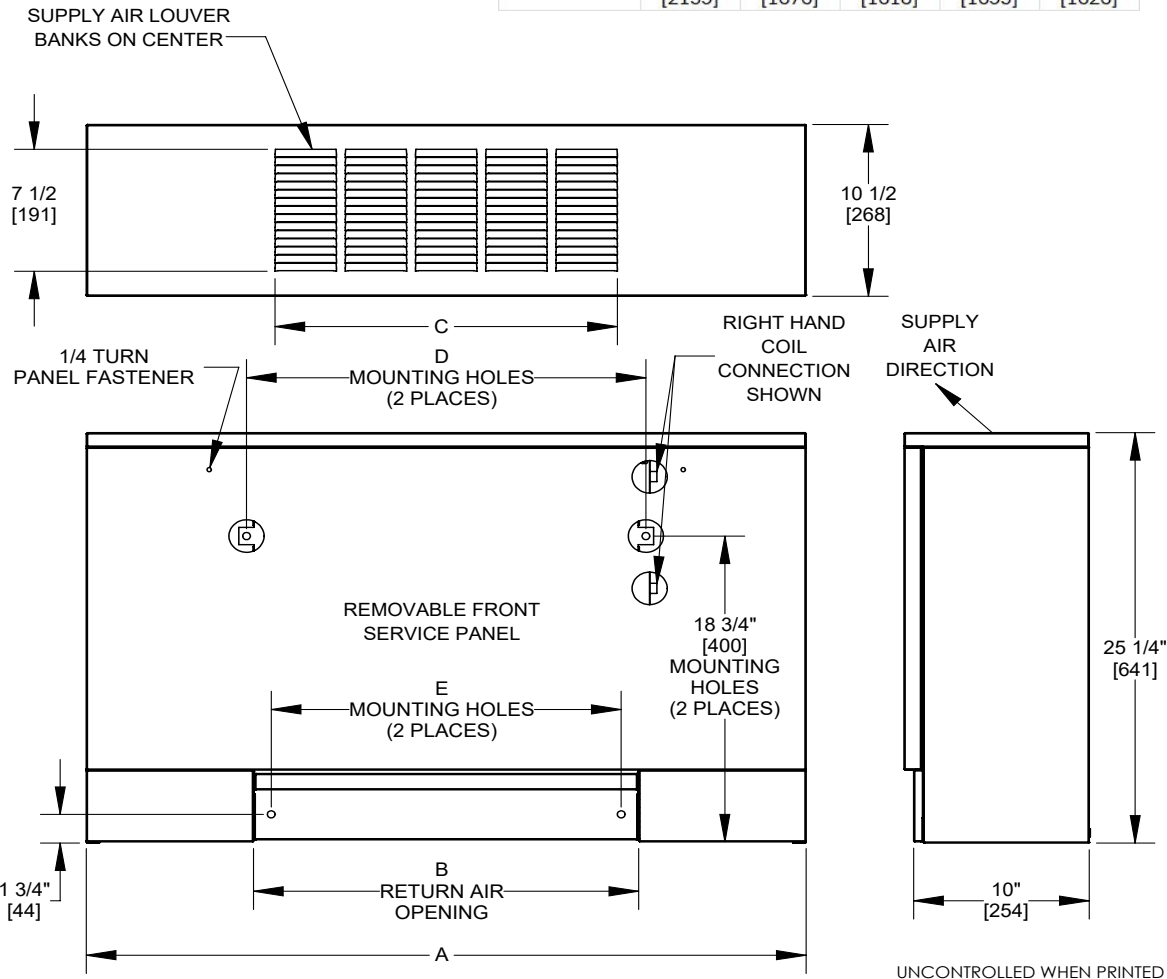
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NOTES

1. All dimensions are in inches [millimeters]. All dimensions are $\pm 1/4"$ [6mm]. Metric valves are soft conversion.
2. Junction box size and location varies with unit features. Control options may be limited. Provide sufficient clearance to access electrical controls and comply with applicable codes and ordinances.
3. Standard cabinet finish is "Pearl White Satin".
4. Parametric design available to increase Height or Width. (See parametric offerings drawing)
5. Some control or piping package options may require extended end pockets and/or extended drain pans.
6. False back extension available.

UNIT MODEL	DIMENSIONS				
	A	B	C	D	E
Size 02	41 [1041]	22 [559]	19 1/2 [495]	22 3/4 [578]	20 [508]
Size 03	45 [1143]	26 [660]	23 1/2 [597]	26 3/4 [679]	24 [607]
Size 04	51 [1295]	32 [813]	27 1/2 [699]	32 3/4 [832]	30 [762]
Size 06	61 [1549]	42 [1067]	39 1/2 [1003]	42 3/4 [1086]	40 [1016]
Size 08	63 [1600]	44 [1118]	39 1/2 [1003]	44 3/4 [1137]	42 [1067]
Size 10	77 [1956]	58 [1473]	55 1/2 [1410]	58 3/4 [1492]	53 [1347]
Size 12	85 [2159]	66 [1676]	63 1/2 [1613]	66 3/4 [1695]	64 [1626]



TITLE:

Model: VFE-C
 Vertical Fan Coil Exposed Cabinet - Cabinet



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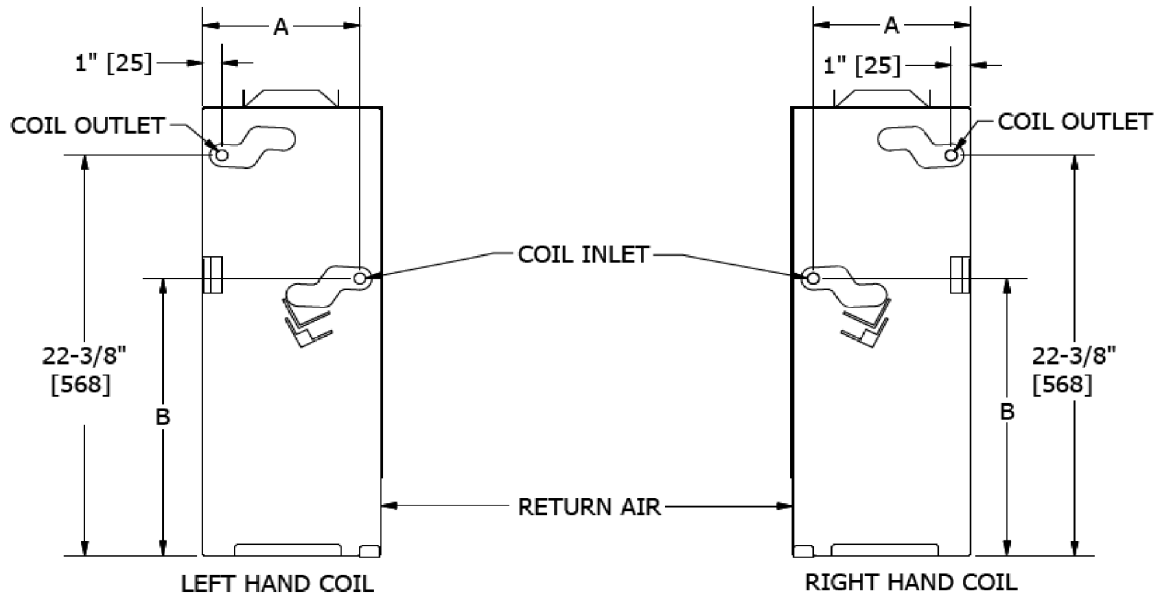
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 DRAWING NO:
 51-80073

ECR#:

 REV:
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COIL 1 ONLY WATER COIL CONNECTIONS



2-PIPE - ALL UNIT SIZES				
COIL # 1	DIMENSION	COIL ROWS		
		HW ONLY 1 ROW	CW / HW 2 ROWS	CW / HW 3 ROWS
	A	6.0" [152]	7.25" [184]	7.87" [200]
B	14.57" [370]	14.64" [372]	15.68" [398]	15.5" [394]

NOTES:

1. All Coils Are 5/8" OD Connections.
2. 4-Row Coil Not Available With Electric Heat.

TITLE:

Model: VFE-C
Vertical Fan Coil - Coil Connection Locations



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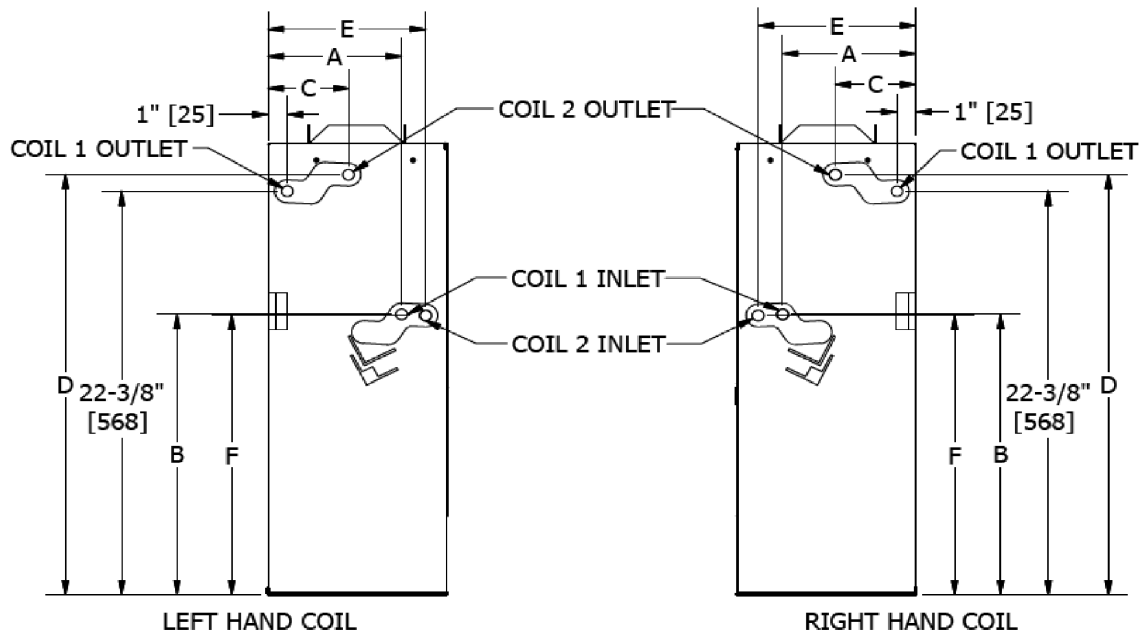
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03/15/2011

ECR#:

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 DRAWING NO:
51-80069

COIL 1 & COIL 2 WATER COIL CONNECTIONS



4-PIPE - ALL UNIT SIZES						
COIL # 1	DIMENSION	COIL ROWS				
		HW ONLY 1 ROW	CW / HW 2 ROWS		CW / HW 3 ROWS	
A	6.0" [152]	7.25" [184]		7.87" [200]		
B	14.57" [370]	14.64" [372]		15.68" [398]		
COIL # 2	DIMENSION	CW ONLY 2 ROW	CW ONLY 3 ROW	CW / HW 1 ROW	CW / HW 2 ROW	CW / HW 1 ROW
	C	2.22" [56]	2.22" [56]	2.90" [74]	2.90" [74]	4.15" [105]
	D	22.30" [566]	22.30" [566]	23.35" [593]	23.35" [593]	23.28" [591]
	E	6.88" [175]	8.13" [207]	6.88" [175]	8.13" [207]	8.13" [207]
	F	15.55" [395]	15.45" [391]	15.55" [395]	15.45" [391]	15.45" [391]

NOTES:

1. All Coils Are 5/8" OD Connections.
2. 4-Row Coil Not Available With Electric Heat.

TITLE:

Model: VFE-C
Vertical Fan Coil - 2-P Water Coil Connection Locations



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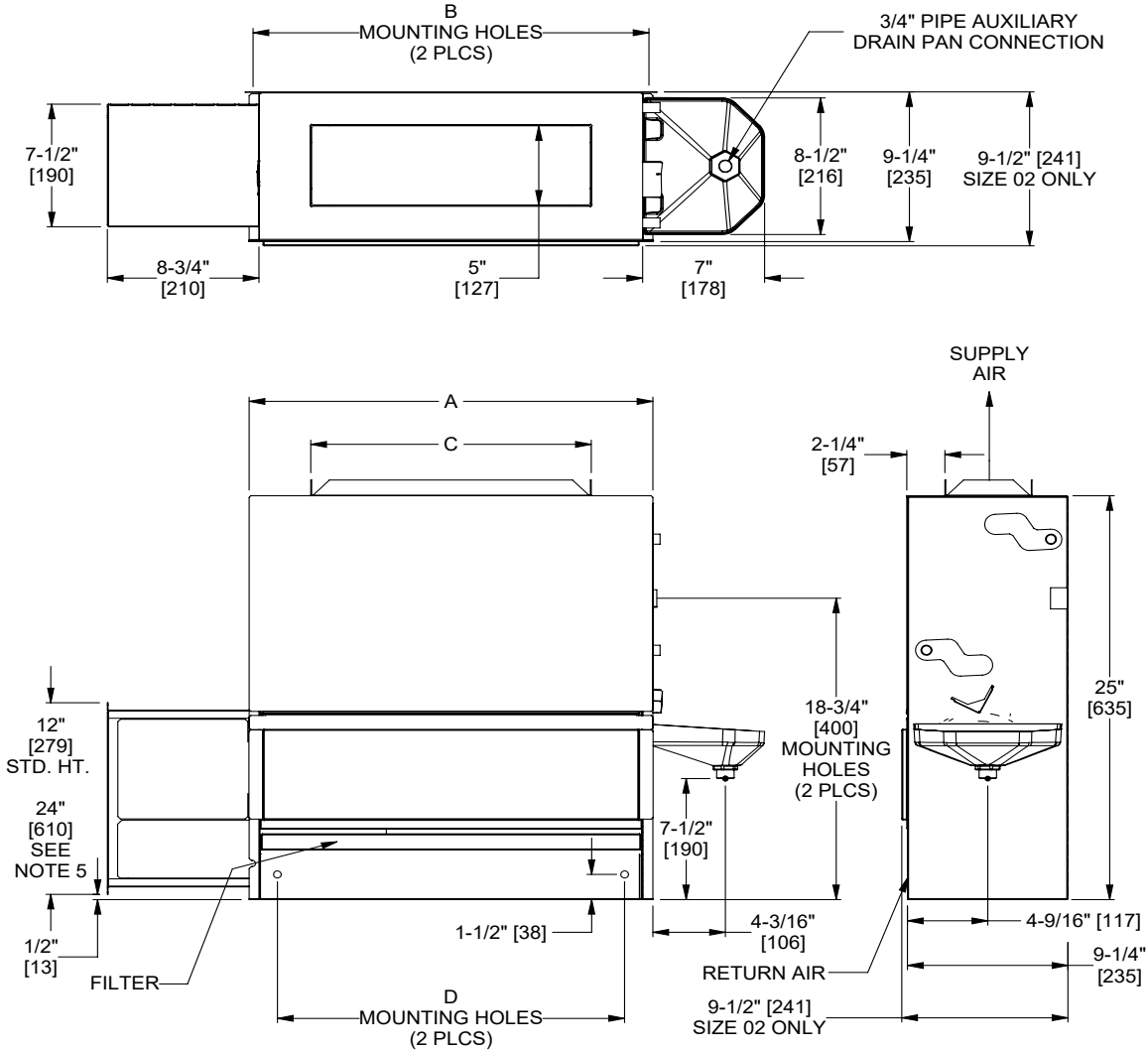
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51-80069

NOTES

1. All dimensions are in inches [millimeters]. All dimensions are $\pm 1/4"$ [6mm]. Metric values are soft conversion.
2. Junction box size and location varies w/ unit features. Control options may be limited. Provide sufficient clearance to access electrical controls and comply w/ applicable codes and ordinances. Reduced height control enclosure is standard with opposite end coils.
3. Right hand coil connection shown. Left hand unit similar but opposite.
4. Some piping package options may require extended drain pans.
5. Full size enclosure for when either Electric Heat, Motor Transformer, unit mounted T.Stat or unit mounted 3 speed switch are used.

UNIT MODEL	DIMENSIONS			
	A	B	C	D
Size 02	23-3/16" [589]	22-3/4 [578]	16" [406]	20" [508]
Size 03	27-3/16" [691]	26-3/4" [679]	20" [508]	24" [610]
Size 04	33-3/16" [843]	32-3/4" [832]	26" [660]	30" [762]
Size 06	43-3/16" [1097]	42-3/4" [1086]	36" [914]	40" [1016]
Size 08	45-3/16" [1148]	44-3/4" [1137]	38" [965]	42" [1067]
Size 10	59-3/16" [1503]	58-3/4" [1492]	52" [1320]	56" [1422]
Size 12	67-3/16" [1707]	66-3/4" [1695]	60" [1524]	64" [1626]


TITLE:

Model: VFC-C
Vertical Fan Coil Concealed Cabinet - Top Air Supply



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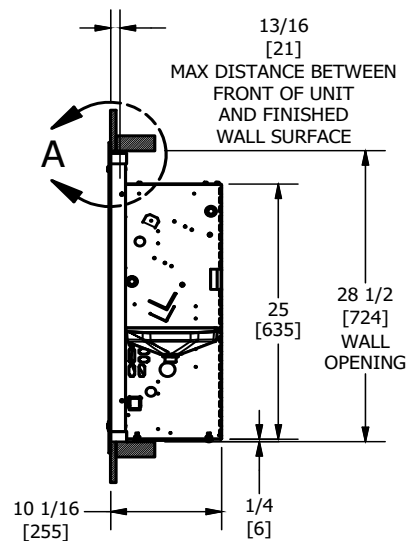
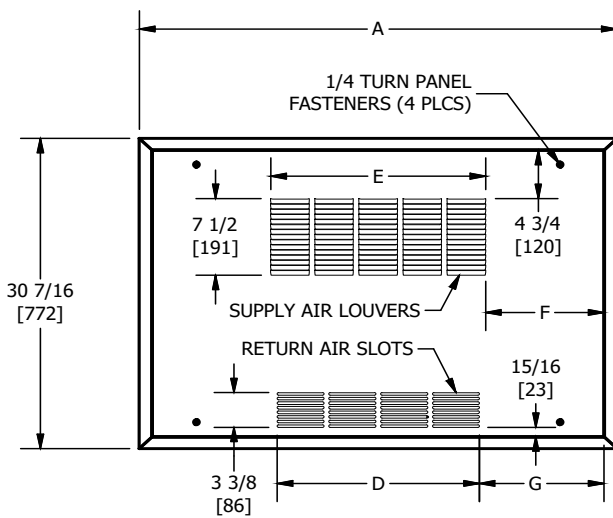
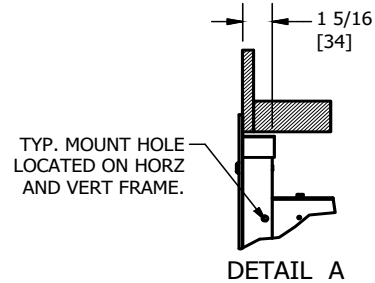
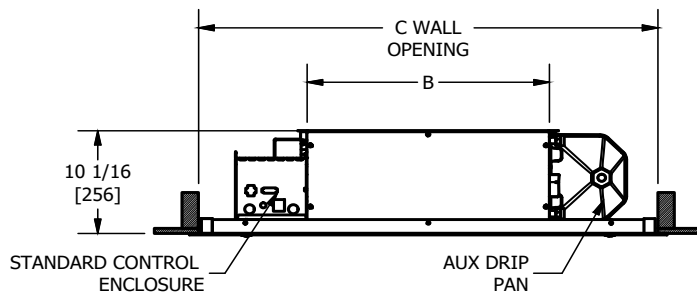
 DRAWING NO:
51-80067

 ECR#: _____
REV: 4

NOTES:

1. All dimensions are Inches [millimeters]. All dimensions are $\pm 1/4"$ [6mm]. Metric values are soft conversion.
2. Wall panel provides air seal at front of unit. Installed location is critical to proper unit operation.
3. Install unit centered in wall opening dimensions shown.
4. Unit may require raised support to achieve proper vertical alignment with wall panel.
5. Right hand unit shown, left hand unit opposite.
6. Mounting hardware furnished by others.

UNIT SIZE	DIMENSIONS						
	A	B	C	D	E	F	G
02	43 7/16 [1101]	22 [559]	41 11/16 [1059]	18 3/8 [467]	19 1/2 [495]	10 3/4 [273]	11 5/16 [288]
03	47 7/16 [1203]	26 [660]	45 11/16 [1160]	23 1/16 [586]	23 1/2 [597]	10 3/4 [273]	11 [279]
04	53 7/16 [1355]	32 [813]	51 11/16 [1313]	27 3/4 [705]	27 1/2 [699]	11 3/4 [298]	11 5/8 [295]
06	63 7/16 [1609]	42 [1067]	61 11/16 [1567]	37 1/8 [943]	39 1/2 [1003]	10 3/4 [273]	11 15/16 [303]
08	65 7/16 [1660]	44 [1118]	63 11/16 [1618]	41 7/8 [1064]	39 1/2 [1003]	11 3/4 [298]	10 9/16 [269]
10	79 7/16 [2015]	58 [1473]	77 11/16 [1973]	55 15/16 [1421]	55 1/2 [1410]	10 3/4 [273]	10 9/16 [269]
12	87 7/16 [2219]	66 [1676]	85 11/16 [2176]	60 5/8 [1540]	63 1/2 [1613]	10 3/4 [273]	12 3/16 [309]



TITLE:

Model: VFC-C

Vertical Fan Coil Concealed Cabinet - Recessed Wall Panel, Supply and Return



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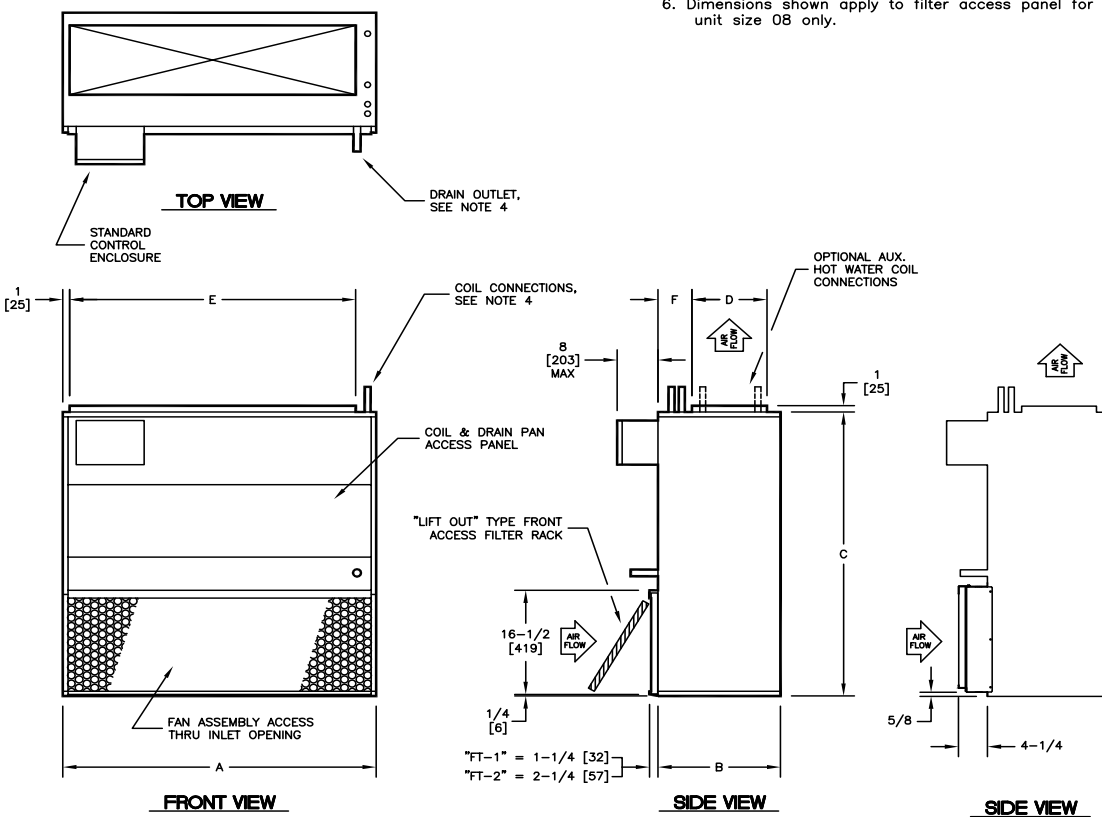
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 3

 DRAWING NO:
 51-80080

NOTES:

1. All dimensions are Inches [millimeters].
All dimensions are $\pm 1/4"$ [6mm]. Metric values are soft conversion.
2. All drawings subject to change without prior notice.
3. Right hand unit shown, left hand unit opposite.
4. See coil connection drawing DCC-005 and DCC-006 for coil connection sizes and locations.
5. Front return units are not designed for use with a ducted return.
6. Dimensions shown apply to filter access panel for unit size 08 only.


DIMENSIONS - In [mm]

UNIT SIZE	A	B	C	D	E	F
04-08	22 [559]	15 [381]	48 [1219]	8 [203]	18 [457]	4 [102]
10-12	29 [737]	18 [457]	48 [1219]	12 [305]	25 [635]	4 [102]
16-20	46 [1168]	18 [457]	48 [1219]	12 [305]	40 [1016]	5 [127]

TITLE:

Model: CDV
Vertical Fan Coil High Performance-Front Return



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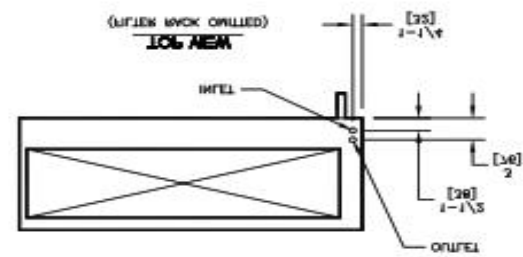
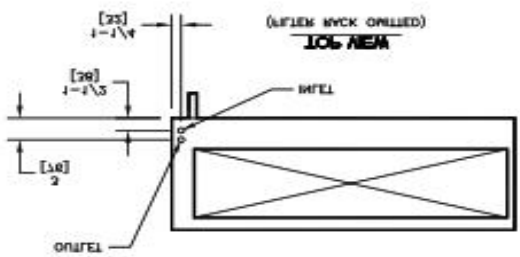
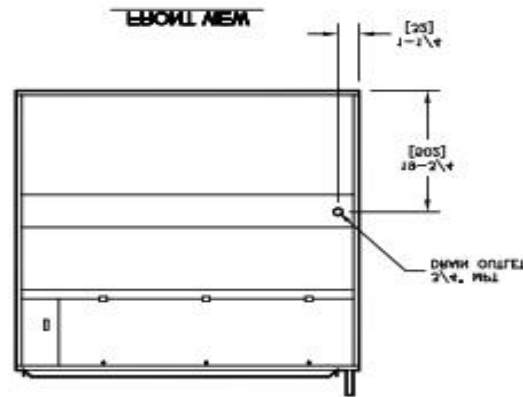
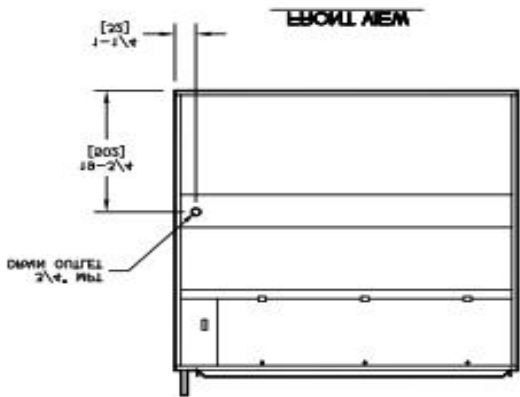
 DRAWING NO:
CDV-001

50	[25] 1-1/4"	[16] 2-1/8"	[16] 2-1/8"	[25] 1-1/4"	[16] 2-1/8"	[16] 2-1/8"	[25] 1-1/4"	[16] 2-1/8"	[16] 2-1/8"
16									
15	[25] 1-1/4"			[25] 1-1/4"			[25] 1-1/4"	[16] 2-1/8"	[16] 2-1/8"
10									
08	[16] 2-1/8"	[16] 2-1/8"	[16] 2-1/8"	[16] 2-1/8"	[16] 2-1/8"	[16] 2-1/8"	[25] 1-1/4"	[16] 2-1/8"	[16] 2-1/8"
06				[16] 2-1/8"					
04									
25SE FAN	16" O.D. INFL	16" O.D. SUPPLY	16" O.D. RETURN	16" O.D. INFL	16" O.D. SUPPLY	16" O.D. RETURN	16" O.D. INFL	16" O.D. SUPPLY	16" O.D. RETURN
	2 ROW COIL			4 ROW COIL			6 ROW COIL		

CONNECTION SIZES

FAN FANED UNIT

WATER COIL UNIT



NOTATION:
 1. [16] 2-1/8" and [25] 1-1/4" are nominal dimensions.
 2. [16] 2-1/8" and [25] 1-1/4" are nominal dimensions.
 3. [16] 2-1/8" and [25] 1-1/4" are nominal dimensions.
 4. [16] 2-1/8" and [25] 1-1/4" are nominal dimensions.
 5. [16] 2-1/8" and [25] 1-1/4" are nominal dimensions.
 6. [16] 2-1/8" and [25] 1-1/4" are nominal dimensions.

TITLE:
Model: CDV
 Vertical Fan Coil High Performance - 3,4,6 Row Water-Coil Connection Locations

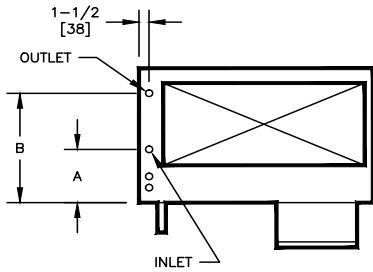


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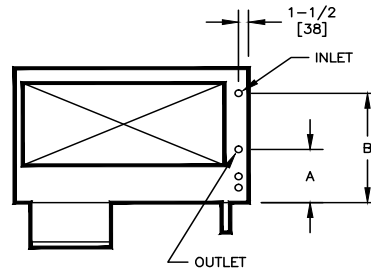
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DRAWING NO:
50-80020



TOP VIEW
(FILTER RACK OMITTED)

LEFT HAND UNIT



TOP VIEW
(FILTER RACK OMITTED)

RIGHT HAND UNIT

DIMENSIONS - Inmm

UNIT SIZE	1 ROW LEFT HAND COIL		2 ROW LEFT HAND COIL		1 ROW RIGHT HAND COIL		2 ROW RIGHT HAND COIL					
	WATER IN/OUT	A	B	WATER IN/OUT	A	B	WATER IN/OUT	A	B			
04	5/8 [16]	6 [152]	12-1/4 [311]	5/8 [16]	6 [152]	12-1/4 [311]	5/8 [16]	6-1/2 [165]	13 [330]	5/8 [16]	6-1/2 [165]	13 [330]
06		4-1/2 [114]	12 [305]		5 [127]	12 [305]		5 [127]	12-1/2 [318]		5 [127]	12 [305]
08		5-1/2 [140]	15-1/2 [394]		6 [152]	14-1/4 [362]		5 [127]	15 [381]		6-1/8 [156]	14-1/4 [362]
10		5 [127]	15-1/2 [394]		5 [127]	15-1/2 [394]		5 [127]	15-1/2 [394]		5 [127]	15-1/2 [394]
12												
16												
20												

NOTES:

- All dimensions are Inches [millimeters]. All dimensions are $\pm 1/2"$ [13mm]. Metric values are soft conversion.
- All drawings subject to change without prior notice.
- All coil connections are ODM copper sweat unless noted otherwise.
- Heating-only units may not include a drain pan. See actual order documents.
- Field piping should be based on individual job requirements, not unit connection size.

TITLE:
Model: CDV
Vertical Fan Coil High Performance Aux Hot water coil Connections



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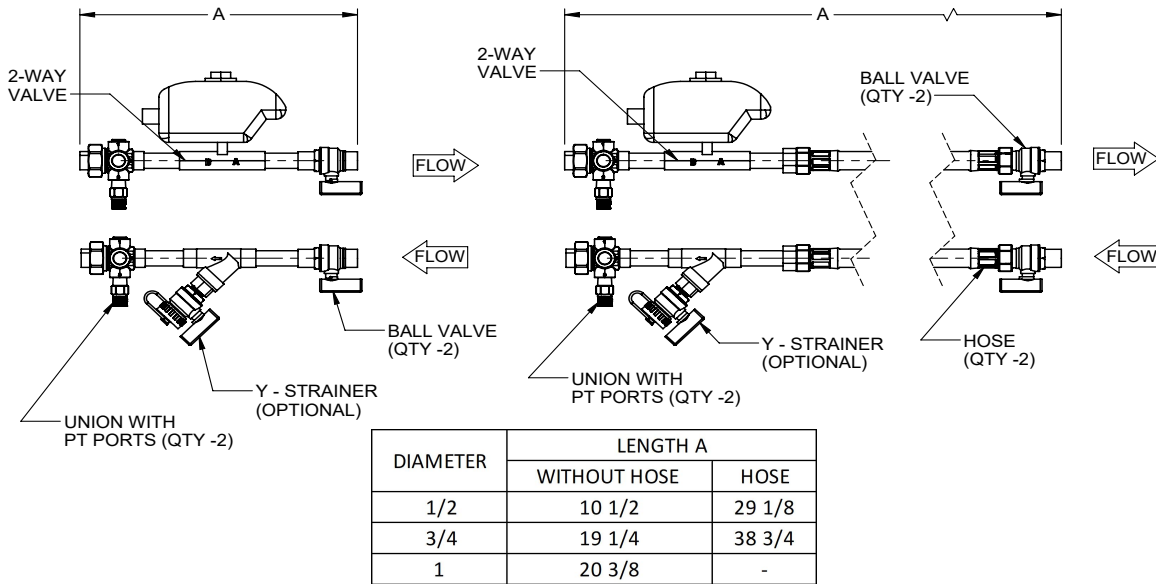
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05/08/2012
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REV:
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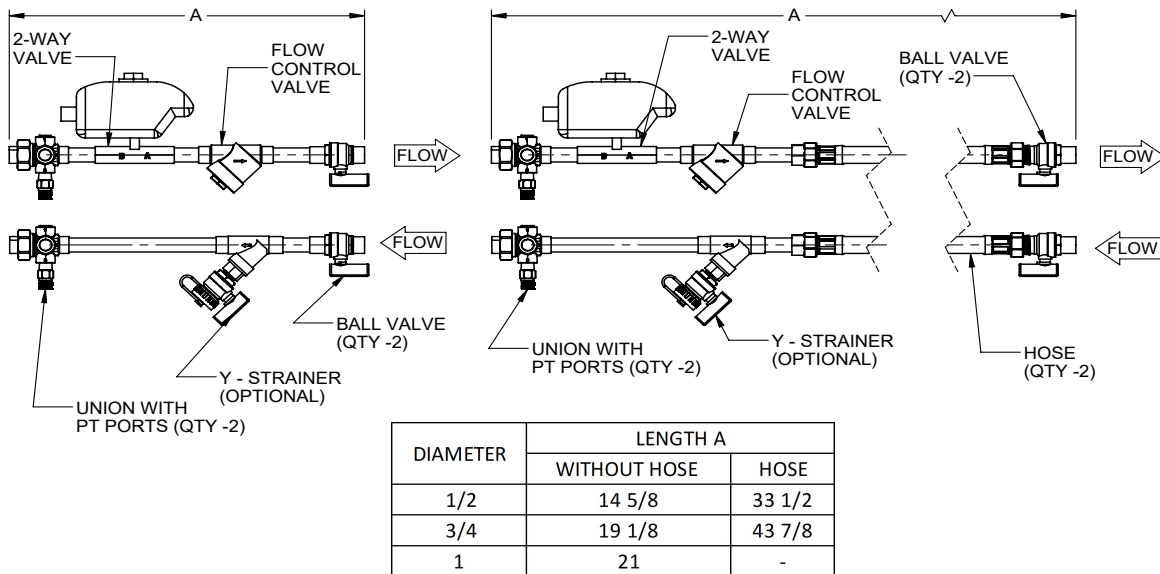
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DCC-006

1/2", 3/4" AND 1" VP

CODE 24 ON/OFF ACTUATOR



CODE 25 ON/OFF ACTUATOR

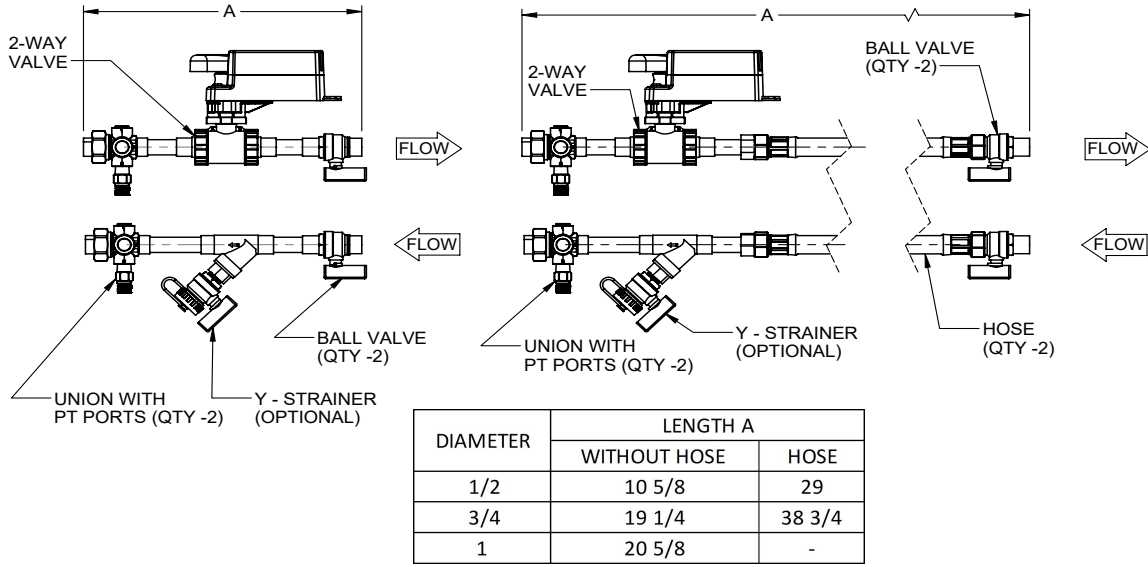


- NOTES:
 1. All dimensions are in inches
 2. All dimensions may vary $\pm 1/8$

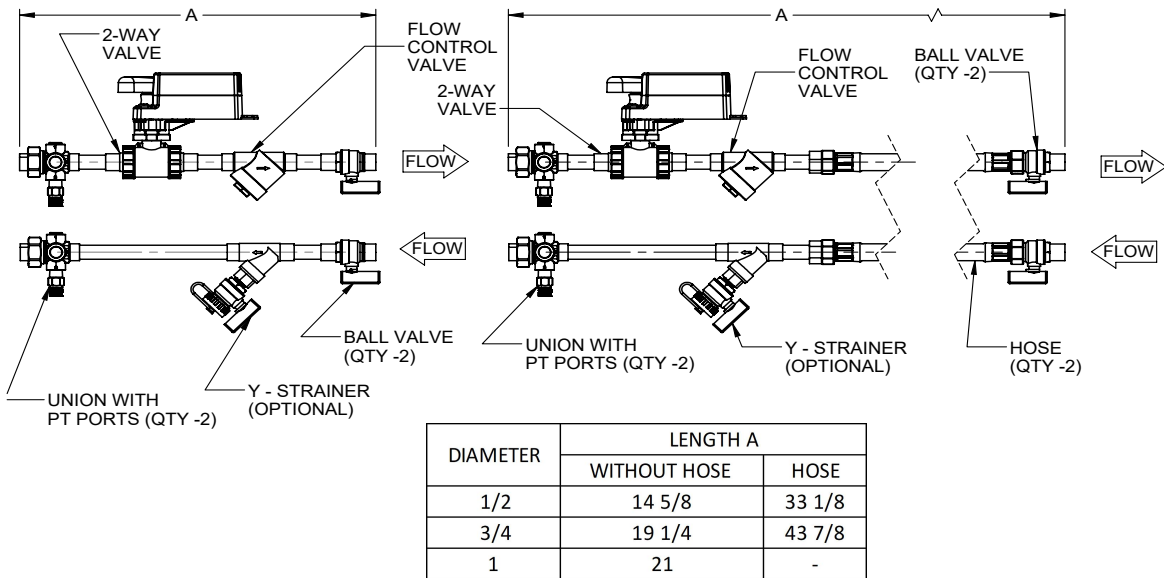
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		<p>ECR#:</p>	<p>REV: A</p>	

1/2", 3/4" AND 1" VP


CODE 24 MODULATING, PROPORTIONAL ACTUATORS



CODE 25 MODULATING, PROPORTIONAL ACTUATORS



- NOTES:
1. All dimensions are in inches
 2. All dimensions may vary $\pm 1/8$

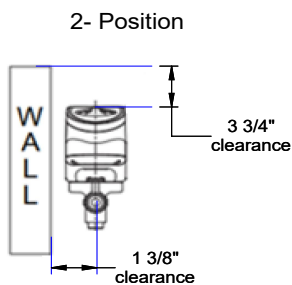
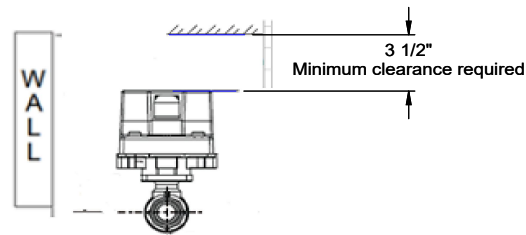
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NOTES:

1. Dimension between supply and return connections must allow space to insert instruments into PT ports.
2. Y-Strainer is optional item. Reference order summary for actual valve package configuration.
3. Hoses are optional items for 1/2" and 3/4" valve packages. Reference order summary for actual valve package configuration.
4. Hoses are not available for 1" valve packages.
5. Valve package ships with all parts of union. The union is attached to the coil in the field by others.
6. Valve packages are available with the following actuators.
 - a) ON/OFF
 - b) Fail in Place Modulating and Proportional
 - c) NC Spring Return Modulating and Proportional
 - d) NO Spring Return Modulating and Proportional
7. Wire harness length from 8 to 10 ft. Reference order summary for actual valve package configuration.
8. VP is shipped loose with wire harness, individually packaged.

INSTALLATION & SERVICE:

1. Additional piping may be required for installation. The factory is not responsible for additional piping.
2. Control actuators are removable, and may be serviced or replaced without removal of the valve body.
3. Installation and clearance requirements for actuators, see below. Refer to VP catalog for more information.
4. The stationary side of any union or swivel connection must be prevented from twisting during tightening by the use of a "backup" wrench.
5. Pressure test all joints before applying water.

External space required for actuators:

Modulating and Proportional

TITLE:

Model: CDV
VP Code 24 and 25 Notes



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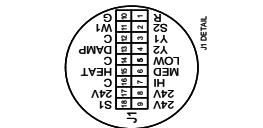
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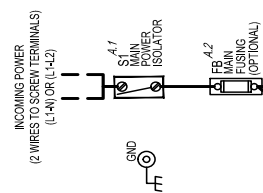
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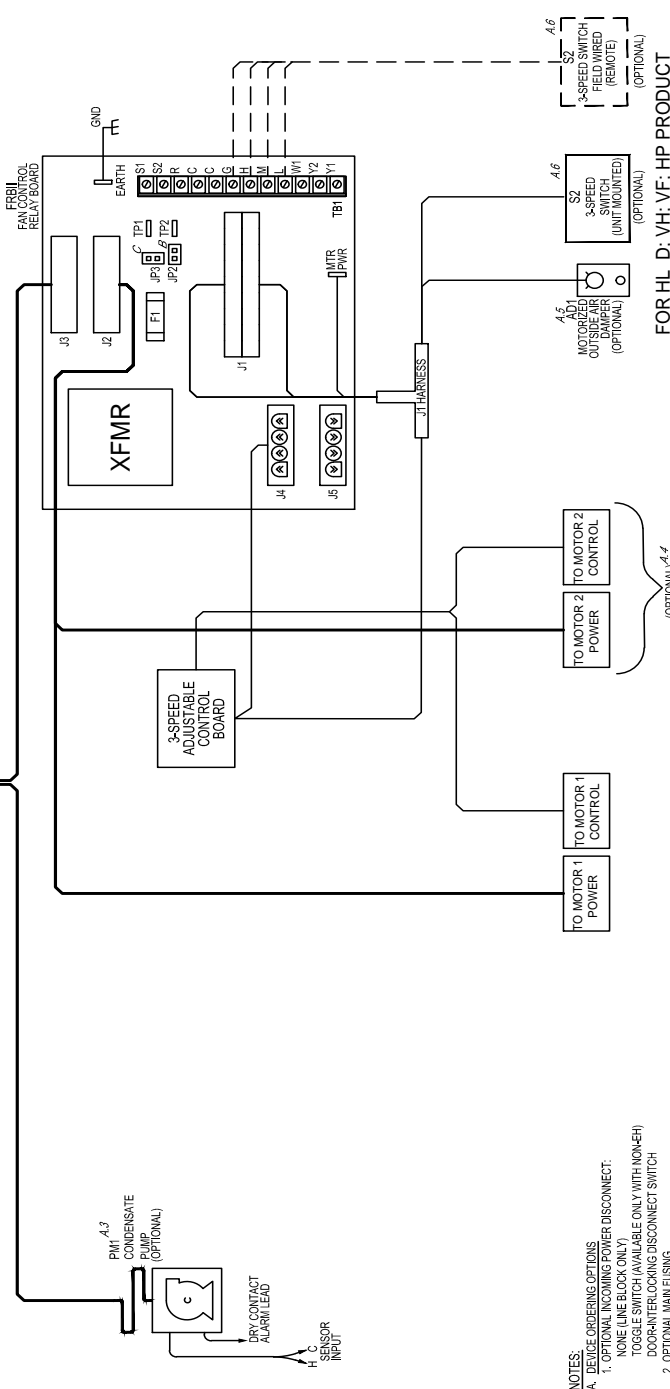
DRAWING NO:
00-80009



UNIT DISCONNECT / MAIN FUSING	LINE - NEUTRAL (L1-N)	LINE - LINE (L1-L2)
LINE BLOCK ONLY	115V/220V/277V	208V/230V
LINE BLOCK	2-POLE	2-POLE
FUSE	1-POLE	2-POLE
LINE BLOCK	2-POLE	2-POLE
TOGGLE SWITCH	1-POLE	2-POLE
FUSE	1-POLE	2-POLE
DOOR-INTERLOCKING DISCONNECT SWITCH	1-POLE	2-POLE
FUSE	1-POLE	2-POLE



LEGEND
RED LINE VOLTAGE WIRING
FIELD LOW VOLTAGE WIRING
FACTORY LINE VOLTAGE WIRING
FACTORY LOW VOLTAGE WIRING
FACTORY WIRE HARNESS



- NOTES:
1. DEVICE ORDERING OPTIONS
 2. OPTIONAL INCOMING POWER DISCONNECT: (NONE (LINE BLOCK ONLY) TOGGLE SWITCH (AVAILABLE ONLY WITH NON-HP) DOOR-INTERLOCKING DISCONNECT SWITCH)
 3. OPTIONAL CONDENSATE PUMP AVAILABLE ON HL_D AND HP FOR 115-230V ONLY.
 4. 2ND MOTOR DEPENDS ON UNIT MODEL SIZE.
 5. OPTIONAL MOTORIZED OA DAMPER AVAILABLE ON HL_D, VH, VF ONLY.
 6. OPTIONAL 3-SPEED SWITCH (REMOTE UNIT MOUNTED).
 7. OPTIONAL CURRENT SENSOR WITH FSC MOTORS ON HL_D AND HP ONLY.
 8. JP2 POSITION DEPENDS ON OPTIONAL FLOAT SWITCH.
 9. JP3 POSITION DEPENDS ON REMOTE FAN CONTROL THROUGH G TERMINAL.

FOR HL_D, VH, VF: HP PRODUCT

TITLE: **Model: HLE-D**
FCU BC02, 1 PH, 3-SPD Adjust ECM Motor



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DATE:	12/11/2019
ECR#:	3786
REV:	A

DRAWING NO:
88-60000