

| FDCLP2

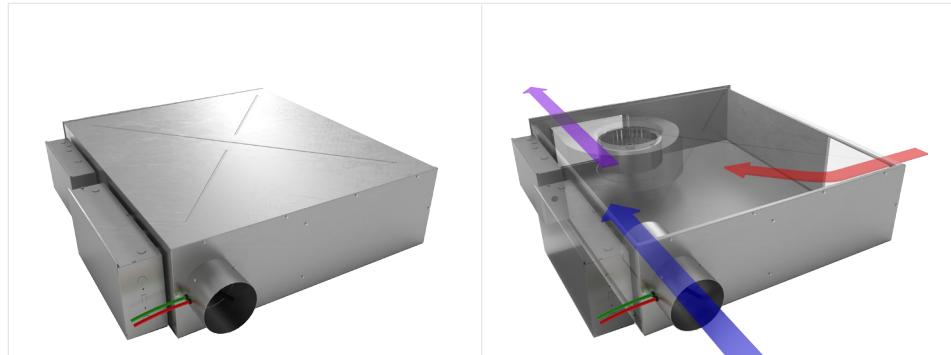
Constant Volume Series Flow, Low Profile

The Price FDCLP2 low profile series fan powered terminal unit is an ideal product for use in typical series fan powered applications with limited ceiling space. The FDCLP2 is designed for constant air volume applications, and delivers quiet, consistent sound levels. The FDCLP2 has an optional AHRI 410 certified sensible cooling coil for use as part of a Dedicated Outdoor Air System (DOAS).

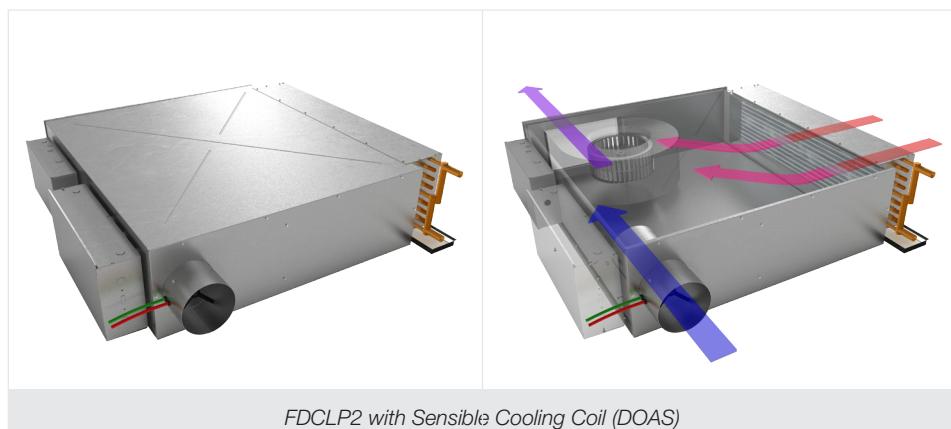
Typical Applications

The FDCLP2 is an ideal solution for areas requiring constant volume air delivery when ceiling space is limited or restricted. Low sound levels throughout the entire operating range further simplify the task of positioning these terminal units within the ceiling plenum. The highly configurable FDCLP2 includes an efficient EC motor as well as a variety of hot water and electric reheat options.

An optional sensible cooling coil is available to be used with the FDCLP2 as part of a dedicated outdoor air system (DOAS). With optimized coil circuitry and 2 through 8-row coil configurations, the FDCLP2 with sensible cooling coil can be selected to reduce primary air supply to minimum ventilation requirements while ensuring ASHRAE 62.1 compliance.



FDCLP2



FDCLP2 with Sensible Cooling Coil (DOAS)

Product Information

STANDARD DESIGN

- Unit height as low as 8-5/8"
- EC Motor
- 20 GA. Construction
- Reinforced casing for reduced sound levels

OPTIONAL FEATURES

- Sensible cooling coils up to 8 rows.
- Hot water or electric reheat.
- Fiber free and foil faced liners.

FDCLP2

Price constant volume low profile terminal units are designed to fit in restricted ceiling spaces, with unit heights as low as 8-5/8 inches. Highlights include:

- Quiet sound levels.
- Flexible reheat coil selection.
- A variety of product sizes and flow ranges.

FDCLP2 with Sensible Cooling Coil (DOAS)

With the sensible cooling coil option a DOAS air handler is used to dehumidify and condition the outdoor air as well as handle the space latent load. By managing the space sensible load with the sensible cooling coil, the DOAS air handler can be sized to deliver only the airflow required for ventilation and latent loads, resulting in:

- A smaller HVAC system, translating into fan energy savings.
- Proper humidity control at each zone.
- Eliminating over-ventilation.

DOAS offers energy saving benefits which complement the design goals of Green/LEED buildings. Benefits include energy efficient hydronic cooling combined with reduced air volumes and air handler size. The FDCLP2 with sensible cooling coil option comes with a standard ECM motor which provides significant energy savings compared to PSC motors.

FDCLP2, ECM Capacities

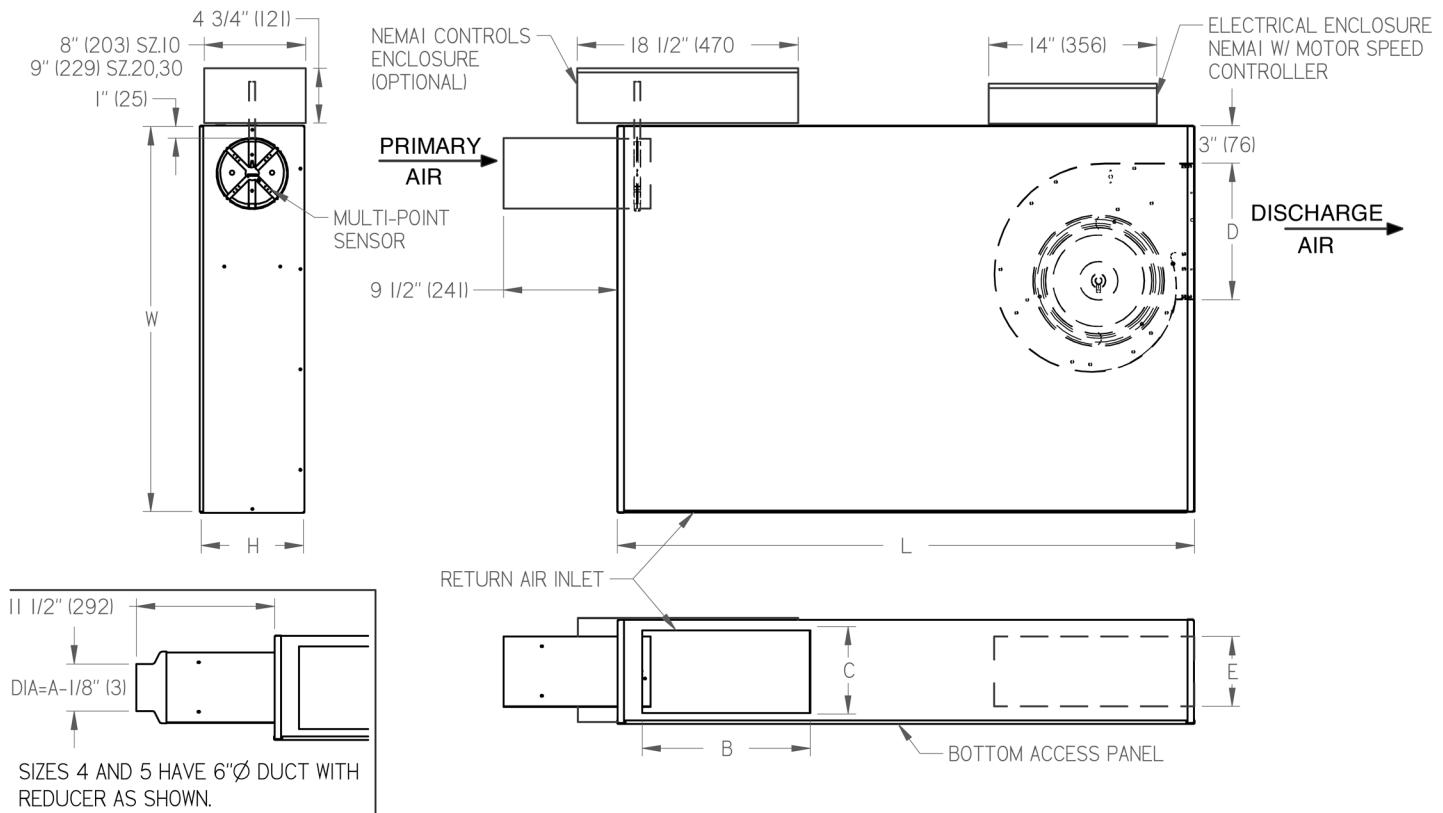
Unit Size	Inlet Size	Primary Airflow (cfm)		Fan Airflow (cfm)		Motor HP	Full Load Amps			
		Minimum	Maximum	Minimum*	Maximum		115V	208V	240V	277V
10	4	22	400	100	1000	1/3	4.4	3.6	3.1	2.9
	5	27	500							
	6	30	550							
	7	43	800							
20	6	30	550	100	1100	1/3	5.3	3.5	2.9	2.6
	8	56	1100							
30	6	30	550	100	1350	1/2	7.3	5.1	4.2	4.0
	8	56	1100							
	10	94	1375							
50	10	94	1800	200	2050	2 x 1/3	7.8	5.4	4.5	4.2
	14x8	310	1900							

FDCLP2 with Sensible Cooling Coil (DOAS), ECM Capacities

Unit Size	Inlet Size	Primary Airflow (cfm)		Fan Airflow (cfm)		Motor HP	Full Load Amps			
		Minimum	Maximum	Minimum*	Maximum		115V	208V	240V	277V
10	4	22	400	100	1000	1/3	5.6	3.6	3.0	2.7
	5	27	500							
	6	30	550							
	7	43	800							
20	4	22	400	100	1075	1/3	4.8	3.5	2.7	2.5
	5	27	500							
	6	30	550							
	7	43	800							
30	4	22	400	100	1350	1/2	7.7	4.4	4.4	4.0
	5	27	500							
	6	30	550							
	7	43	800							
	8	94	1100							
40	4	22	400	200	1775	1/2	6.2	4.7	3.5	3.3
	5	27	500							
	6	30	550							
	7	43	800							
	8	56	1100							
	10	94	1775							
50	4	22	400	200	1925	2 x 1/3	7.8	5.8	4.5	4.3
	5	27	500							
	6	30	550							
	8	56	1100							
	10	94	1800							
	14x8	310	1900							

*Minimum flow with High-Turndown Flow motor program

Submittal - FDCLP2



UNIT SIZE	IMPERIAL UNITS (INCHES)						MOTOR SPECIFICATIONS						
	PRIMARY AIR INLET "A"	RETURN AIR INLET		OUTLET		L	W	H	ECM MOTOR		FULL LOAD AMPS		
		B	C	D	E				MOTOR H.P.	115V	208V	240V	277V
10	4,5,6,7	14	6 7/8	11 1/2	6	48	32	8 5/8	1/3	4.4	3.6	3.1	2.9
20	6,8	14	9 1/2	11 5/8	7	41	26	11	1/3	5.3	3.5	2.9	2.6
30	6,8,10	14	9 1/2	12 3/4	7	41	26	11	1/2	7.3	5.1	4.2	4.0

UNIT SIZE	SI UNITS (mm)						MOTOR SPECIFICATIONS						
	PRIMARY AIR INLET "A"	RETURN AIR INLET		OUTLET		L	W	H	ECM MOTOR		FULL LOAD AMPS		
		B	C	D	E				MOTOR H.P.	115V	208V	240V	277V
10	102,127,152,178	356	175	292	152	1219	813	219					
20	152,203	356	241	295	178	1041	660	279					
30	152,203,254	356	241	324	178	1041	660	279					

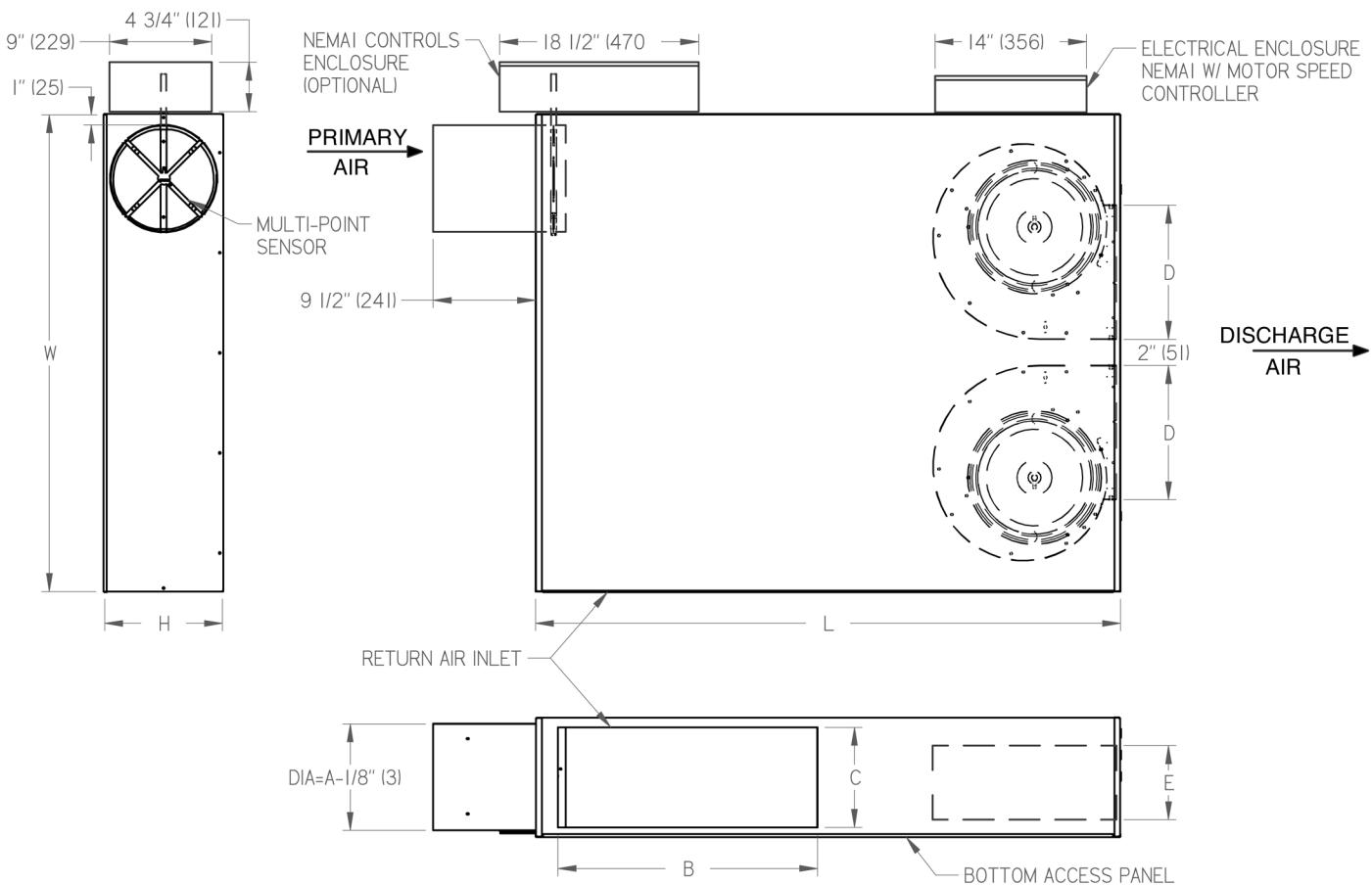
Standard Construction

- 20 ga. construction.
- Leak resistant casing.
- Internal insulation - fiberglass 1/2"(13) thick, minimum 1.5# density which meets requirements of NFPA 90A & UL181.
- Minimum 0.1" w.g. (25Pa) external static pressure required for operation.
- EC motor, 1 phase, 60 cycle. Speed controller included.
- Listed UL1995 & CSA236 assembly.
- Left hand configuration shown (right hand available).

Options

- PSC motor
- Hanger brackets
- Spring hanger brackets
- Disconnect switch
- Gauge taps
- Controls enclosure
- 1" filter (MERV3)
- 1/2" fiber free foam liner
- 5/8" foil faced fiber board liner



Submittal - FDCLP2

UNIT SIZE	IMPERIAL UNITS (INCHES)							MOTOR SPECIFICATIONS					
	PRIMARY AIR	RETURN AIR INLET		OUTLET		L	W	H	ECM MOTOR	FULL LOAD AMPS			
		INLET "A"	B	C	D					MOTOR H.P.	115V	208V	240V
50	10	24	9 1/4	12 3/4	7	54	44	11	2 x 1/3	7.8	5.4	4.5	4.2
SI UNITS (mm)													
UNIT SIZE	PRIMARY AIR	RETURN AIR INLET		OUTLET		L	W	H	ECM MOTOR	FULL LOAD AMPS			
		INLET "A"	B	C	D					MOTOR H.P.	115V	208V	240V
50	254	610	235	324	178	1372	1118	279					

Standard Construction

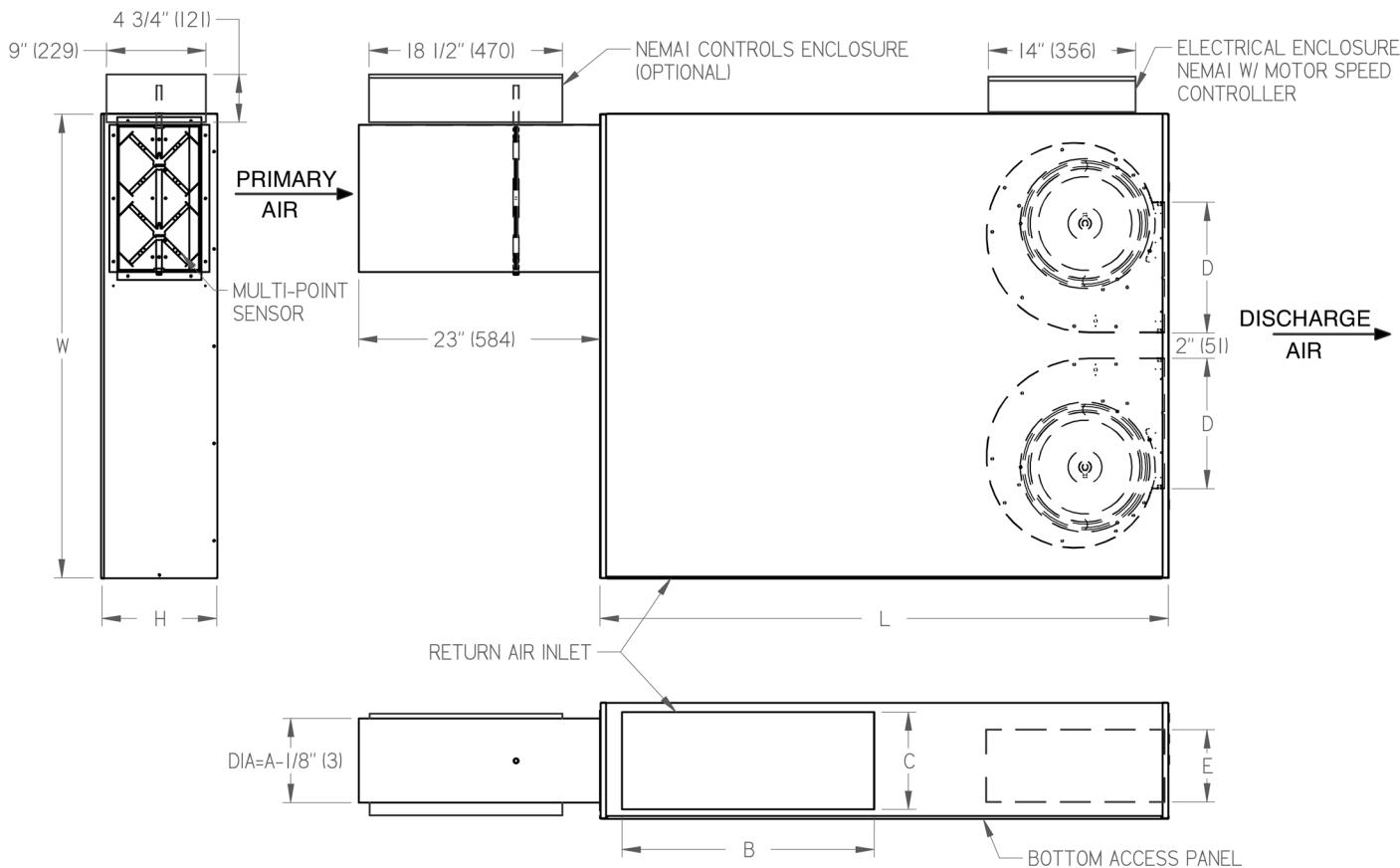
- 20 ga. construction.
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- Internal insulation - fiberglass 1/2"(13) thick, minimum 1.5# density which meets requirements of NFPA 90A & UL181.
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- EC motor, 1 phase, 60 cycle. Speed controller included.
- Listed UL1995 & CSA236 assembly.
- Left hand configuration shown (right hand available).

Options

- PSC motor
- Hanger brackets
- Spring hanger brackets
- Disconnect switch
- Gauge taps
- Controls enclosure
- 1" filter (MERV3)
- 1/2" fiber free foam liner
- 5/8" foil faced fiber board liner



Submittal - FDCLP2



IMPERIAL UNITS (INCHES)							MOTOR SPECIFICATIONS						
UNIT SIZE	PRIMARY AIR	RETURN AIR INLET		OUTLET DUCT SIZE		L	W	H	ECM MOTOR	FULL LOAD AMPS			
	INLET "A"	B	C	D	E				MOTOR H.P.	115V	208V	240V	277V
50	14x8	24	9 1/4	12 3/4	7	54	44	11	2 x 1/3	7.8	5.4	4.5	4.2
SI UNITS (mm)													
UNIT SIZE	PRIMARY AIR	RETURN AIR INLET		OUTLET DUCT SIZE		L	W	H	ECM MOTOR	FULL LOAD AMPS			
	INLET "A"	B	C	D	E				MOTOR H.P.	115V	208V	240V	277V
50	356x203	610	235	324	178	1372	1118	279	2 x 1/3	7.8	5.4	4.5	4.2

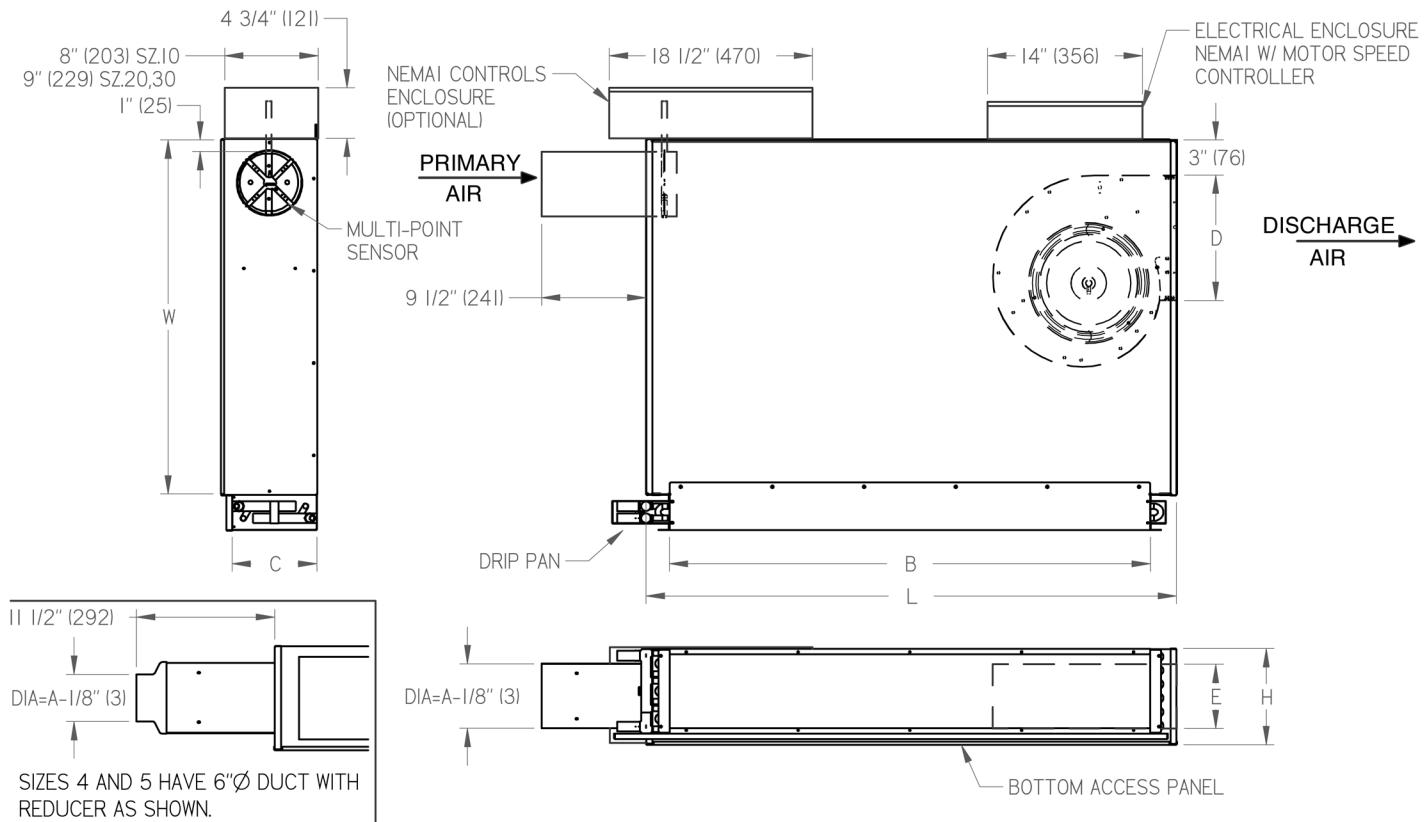
Standard Construction

- 20 ga. construction.
- Leak resistant casing.
- Internal insulation - fiberglass 1/2"(13) thick, minimum 1.5# density which meets requirements of NFPA 90A & UL181.
- Minimum 0.1" w.g. (25Pa) external static pressure required for operation.
- EC motor, 1 phase, 60 cycle. Speed controller included.
- Listed UL1995 & CSA236 assembly.
- Left hand configuration shown (right hand available).

Options

- PSC motor
- Hanger brackets
- Spring hanger brackets
- Disconnect switch
- Gauge taps
- Controls enclosure
- 1" filter (MERV3)
- 1/2" fiber free foam liner
- 5/8" foil faced fiber board liner



Submittal - FDCLP2 with Sensible Cooling Coil (DOAS)

UNIT SIZE	PRIMARY AIR INLET "A"	IMPERIAL UNITS (INCHES)				MOTOR SPECIFICATIONS							
		COOLING COIL		OUTLET		L	W	H	FULL LOAD AMPS				
		B	C	D	E				Motor H.P.	115V	208V	240V	277V
10	4,5,6,7	43 1/2	7 1/2	11 1/2	6	48	32	8 5/8	1/3	5.6	3.6	3.0	2.7
20	4,5,6,7	36 1/2	10	11 5/8	7	41	26	11	1/3	4.8	3.5	2.7	2.5
30	4,5,6,7,8	36 1/2	10	12 3/4	7	41	26	11	1/2	7.7	4.4	4.4	4.0

UNIT SIZE	PRIMARY AIR INLET "A"	SI UNITS (mm)				MOTOR SPECIFICATIONS							
		COOLING COIL		OUTLET		L	W	H	FULL LOAD AMPS				
		B	C	D	E				Motor H.P.	115V	208V	240V	277V
10	102,127,152,178	1105	191	292	152	1219	813	219					
20	102,127,152,178	927	254	295	178	1041	660	279					
30	102,127,152,178,203	927	254	324	178	1041	660	279					

Standard Construction

- 20 ga. construction.
- Leak resistant casing.
- Internal insulation - fiberglass 1/2"(13) thick, minimum 1.5# density which meets requirements of NFPA 90A & UL181.
- Minimum 0.1" w.g. (25Pa) external static pressure required for operation.
- EC motor, 1 phase, 60 cycle. Speed controller included.
- Listed UL1995 & CSA236 assembly.
- Left hand configuration shown (right hand available).

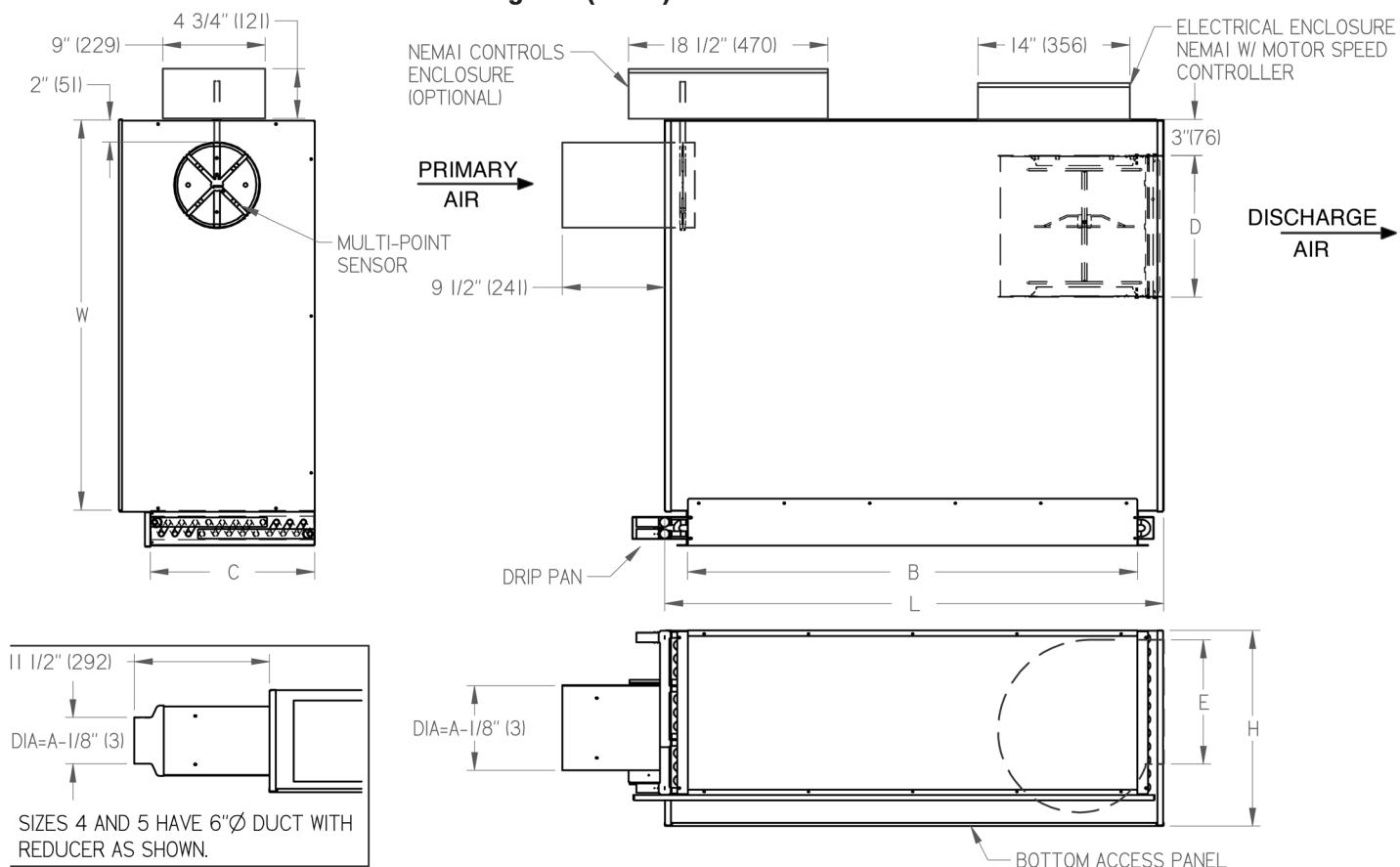
Cooling Coil Notes

- Cooling coil is intended for sensible cooling only.
- 22 ga., leak resistant construction.
- Aluminum fins & copper tubes with O.D. sweat connections.
- Hand of water coil connections is determined when viewed from air inlet side. Left hand coil shown.
- Coil performance rated & certified in accordance with the current edition of AHRI standard 410.
- See performance schedule for flow and cooling capacity/water coil configuration.

Options

- Hanger brackets
- Spring hanger brackets
- Disconnect switch
- Gauge taps
- Controls enclosure
- 1" filter (MERV3)
- 2" filter (MERV8)
- 2" filter (MERV13)
- 1/2" fiber free foam liner
- 5/8" foil faced fiber board liner
- 2, 4, 6, or 8 row cooling coil
- Stainless steel drip pan



Submittal - FDCLP2 with Sensible Cooling Coil (DOAS)


UNIT SIZE	IMPERIAL UNITS (INCHES)						MOTOR SPECIFICATIONS			
	PRIMARY AIR INLET "A"	COOLING COIL		OUTLET DUCT SIZE		L	W	H	ECM MOTOR MOTOR H.P.	FULL LOAD AMPS 115V 208V 240V 277V
40	4,5,6,7,8,10	41 1/2	15	13 3/8	11 1/2	46	36	18	1/2	6.2 4.7 3.5 3.3
SI UNITS (mm)										
UNIT SIZE	PRIMARY AIR INLET "A"		COOLING COIL		OUTLET DUCT SIZE		L	W	H	
	102,127,152,178,203,254		381		340		292	1168	914	457

Standard Construction

- 20 ga. construction.
- Leak resistant casing.
- Internal insulation - fiberglass 1/2"(13) thick, minimum 1.5# density which meets requirements of NFPA 90A & UL181.
- Minimum 0.1" w.g. (25Pa) external static pressure required for operation.
- EC motor, 1 phase, 60 cycle. Speed controller included.
- Listed UL1995 & CSA236 assembly.
- Left hand configuration shown (right hand available).

Cooling Coil Notes

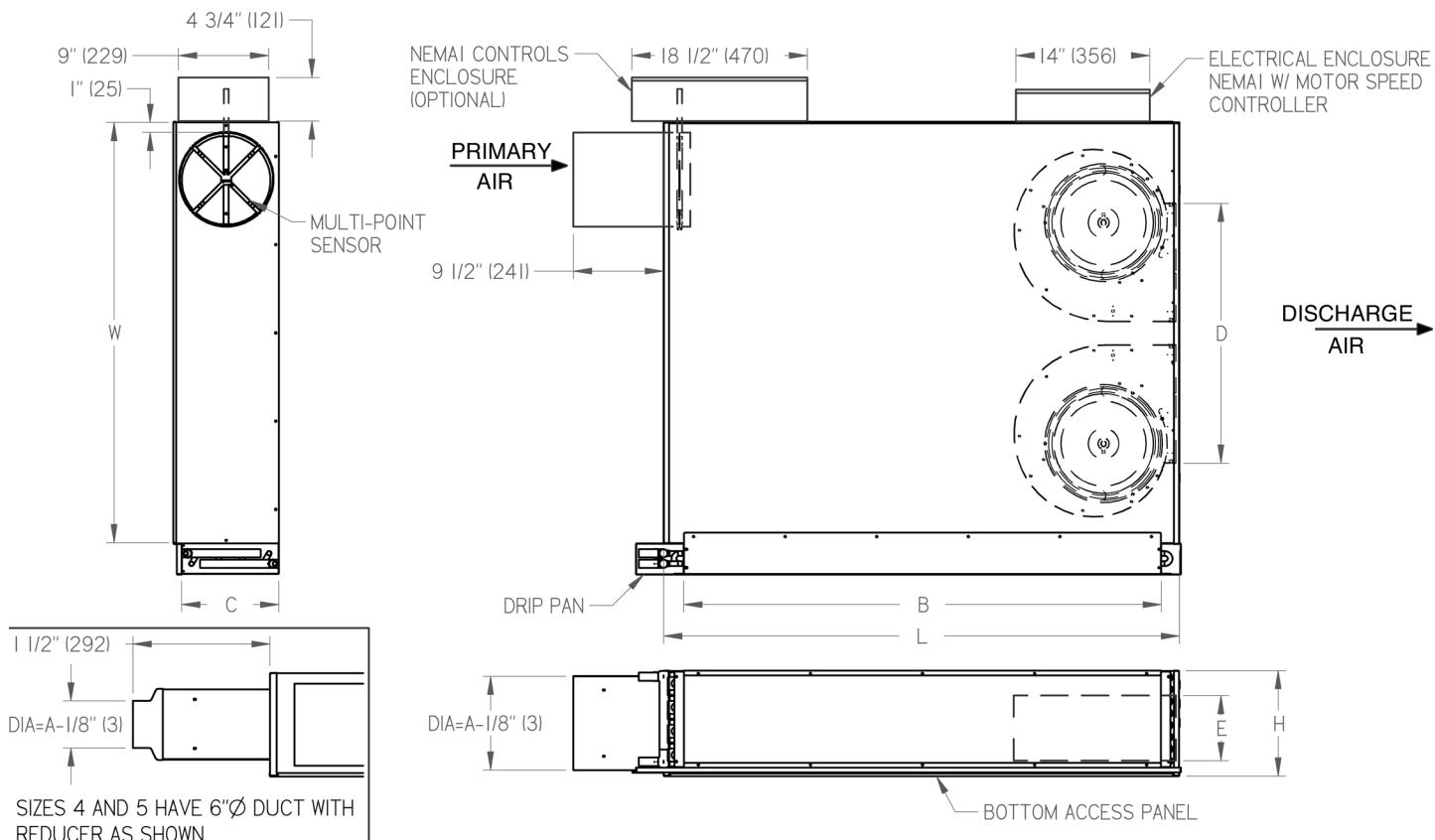
- Cooling coil is intended for sensible cooling only.
- 22 ga., leak resistant construction.
- Aluminum fins & copper tubes with O.D. sweat connections.
- Hand of water coil connections is determined when viewed from air inlet side. Left hand coil shown.
- Coil performance rated & certified in accordance with the current edition of AHRI standard 410.
- See performance schedule for flow and cooling capacity/water coil configuration.

Options

- Hanger brackets
- Spring hanger brackets
- Disconnect switch
- Gauge taps
- Controls enclosure
- 1" filter (MERV3)
- 2" filter (MERV8)
- 2" filter (MERV13)
- 1" fiberglass liner
- 1/2" fiber free foam liner
- 1" fiber free foam liner
- 5/8" foil faced fiber board liner
- 1" foil faced fiber board liner
- 2, 4, 6, or 8 row cooling coil
- Stainless steel drip pan



Submittal - FDCLP2 with Sensible Cooling Coil (DOAS)



UNIT SIZE	IMPERIAL UNITS (INCHES)				MOTOR SPECIFICATIONS			
	PRIMARY AIR		COOLING COIL		L	W	H	
	INLET "A"	B	C	D				
50	4,5,6,8,10	50	10	12 3/4	7	54	44	11
SI UNITS (mm)								
UNIT SIZE	PRIMARY AIR		COOLING COIL		L	W	H	
	INLET "A"	B	C	D				
50	102,127,152,203,254	1270	254	324	178	1372	1118	279

Standard Construction

- 20 ga. construction.
- Leak resistant casing.
- Internal insulation - fiberglass 1/2"(13) thick, minimum 1.5# density which meets requirements of NFPA 90A & UL181.
- Minimum 0.1" w.g. (25Pa) external static pressure required for operation.
- EC motor, 1 phase, 60 cycle. Speed controller included.
- Listed UL1995 & CSA236 assembly.
- Left hand configuration shown (right hand available).

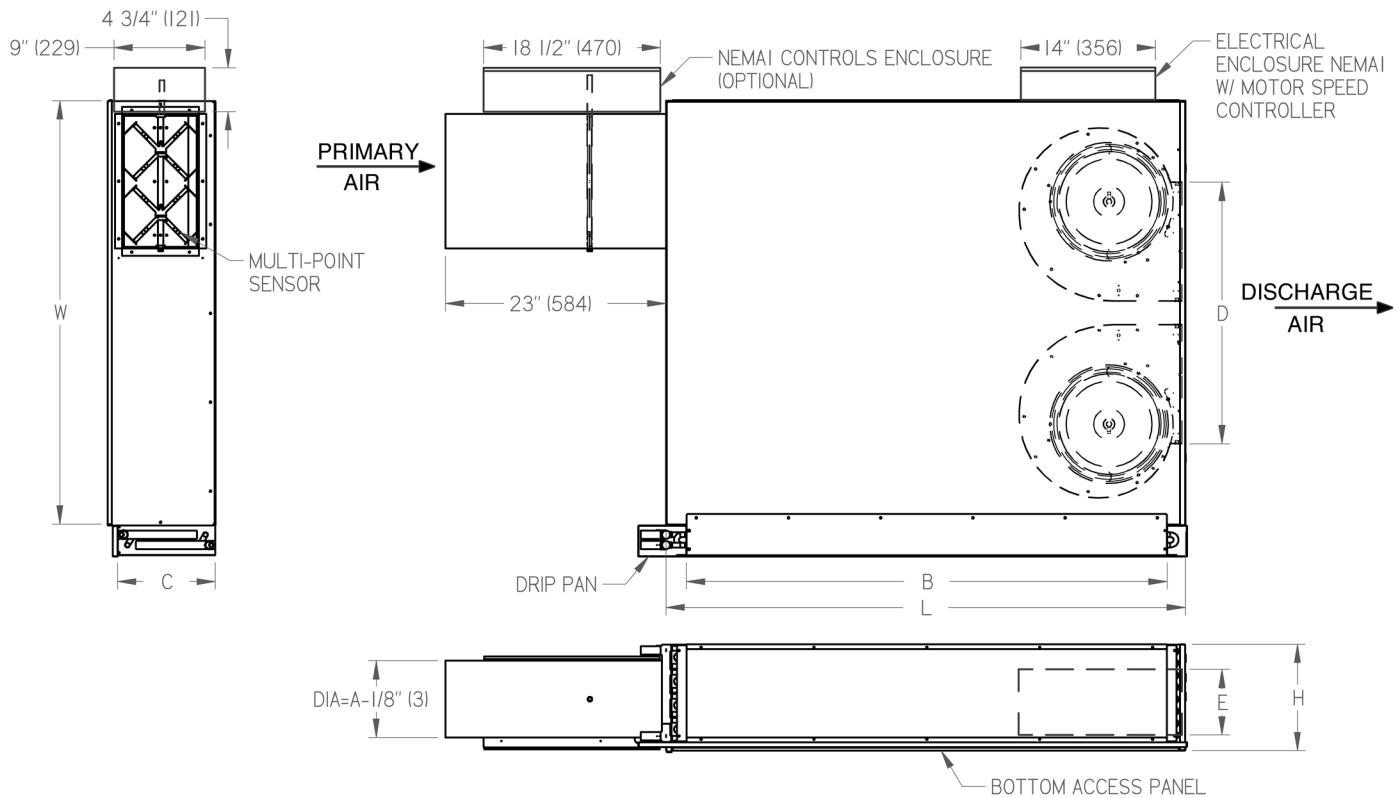
Cooling Coil Notes

- Cooling coil is intended for sensible cooling only.
- 22 ga., leak resistant construction.
- Aluminum fins & copper tubes with O.D. sweat connections.
- Hand of water coil connections is determined when viewed from air inlet side. Left hand coil shown.
- Coil performance rated & certified in accordance with the current edition of AHRI standard 410.
- See performance schedule for flow and cooling capacity/water coil configuration.

Options

- Hanger brackets
- Spring hanger brackets
- Disconnect switch
- Gauge taps
- Controls enclosure
- 1" filter (MERV3)
- 2" filter (MERV8)
- 2" filter (MERV13)
- 1/2" fiber free foam liner
- 5/8" foil faced fiber board liner
- 2, 4, 6, or 8 row cooling coil
- Stainless steel drip pan

Submittal - FDCLP2 with Sensible Cooling Coil (DOAS)



IMPERIAL UNITS (INCHES)							MOTOR SPECIFICATIONS								
UNIT SIZE	PRIMARY AIR		COOLING COIL		OUTLET		L	W	H	ECM MOTOR		FULL LOAD AMPS			
	INLET "A"		B	C	D	E				Motor H.P.	115V	208V	240V	277V	
50	14x8	50	10	12 3/4	7		54	44	11	2 x 1/3	7.8	5.8	4.5	4.3	
SI UNITS (mm)															
UNIT SIZE	PRIMARY AIR		COOLING COIL		OUTLET		L	W	H						
50	INLET "A"		B	C	D	E	1372	1118	279						

Standard Construction

- 20 ga. construction.
- Leak resistant casing.
- Internal insulation - fiberglass 1/2"(13) thick, minimum 1.5# density which meets requirements of NFPA 90A & UL181.
- Minimum 0.1" w.g. (25Pa) external static pressure required for operation.
- EC motor, 1 phase, 60 cycle. Speed controller included.
- Listed UL1995 & CSA236 assembly.
- Left hand configuration shown (right hand available).

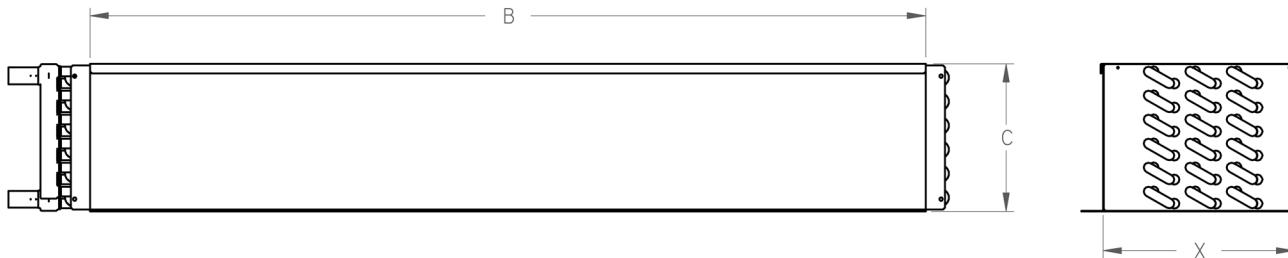
Cooling Coil Notes

- Cooling coil is intended for sensible cooling only.
- 22 ga., leak resistant construction.
- Aluminum fins & copper tubes with O.D. sweat connections.
- Hand of water coil connections is determined when viewed from air inlet side. Left hand coil shown.
- Coil performance rated & certified in accordance with the current edition of AHRI standard 410.
- See performance schedule for flow and cooling capacity/water coil configuration.

Options

- Hanger brackets
- Spring hanger brackets
- Disconnect switch
- Gauge taps
- Controls enclosure
- 1" filter (MERV3)
- 2" filter (MERV8)
- 2" filter (MERV13)
- 1/2" fiber free foam liner
- 5/8" foil faced fiber board liner
- 2, 4, 6, or 8 row cooling coil
- Stainless steel drip pan



Submittal - FDCLP2 with Sensible Cooling Coil (DOAS)

UNIT SIZE	COOLING COIL	
	B	C
IMPERIAL UNITS (INCH)		
10	43 1/2"	7 1/2"
20,30	36 1/2"	10"
40	41 1/2"	15"
50	50"	10"
SI UNITS (mm)		
10	1105	191
20,30	927	254
40	1054	381
50	1270	254

# OF ROWS	X	CONNECTION SIZE				
		SIZE 10	SIZE 20	SIZE 30	SIZE 40	SIZE 50
IMPERIAL UNITS (INCH)						
2	5 5/8"	7/8	7/8	7/8	7/8	7/8
4	7 13/16"	7/8	7/8	1 1/8	1 1/8	1 1/8
6	9 13/16"	7/8	7/8	1 1/8	1 1/8	1 1/8
8	12"	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8
SI UNITS (mm)						
2	143	23	23	23	23	23
4	200	23	23	29	29	29
6	250	23	23	29	29	29
8	305	29	29	29	29	29

Standard Construction

- 20 ga. construction.
- Leak resistant casing.
- Internal insulation - fiberglass 1/2"(13) thick, minimum 1.5# density which meets requirements of NFPA 90A & UL181.
- Minimum 0.1" w.g. (25Pa) external static pressure required for operation.
- EC motor, 1 phase, 60 cycle. Speed controller included.
- Listed UL1995 & CSA236 assembly.
- Left hand configuration shown (right hand available).

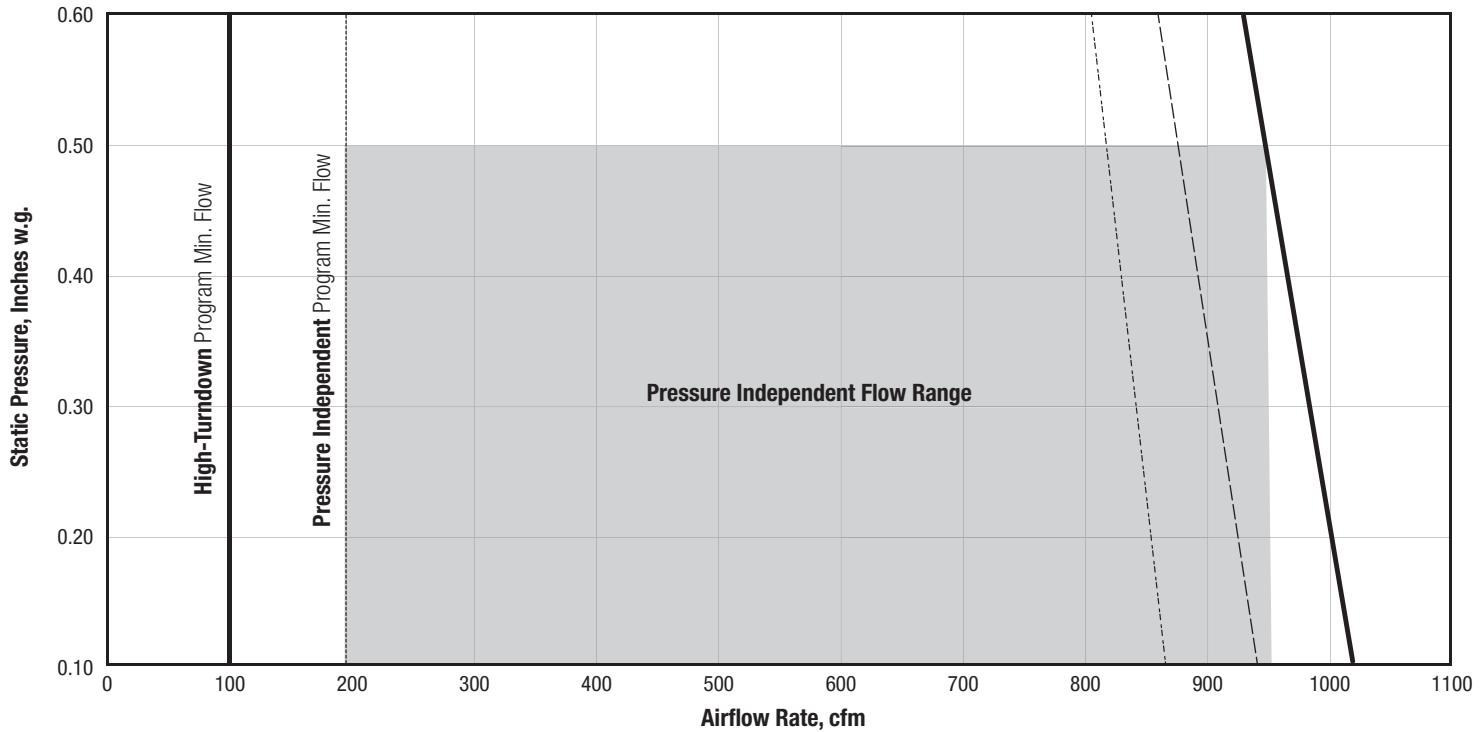
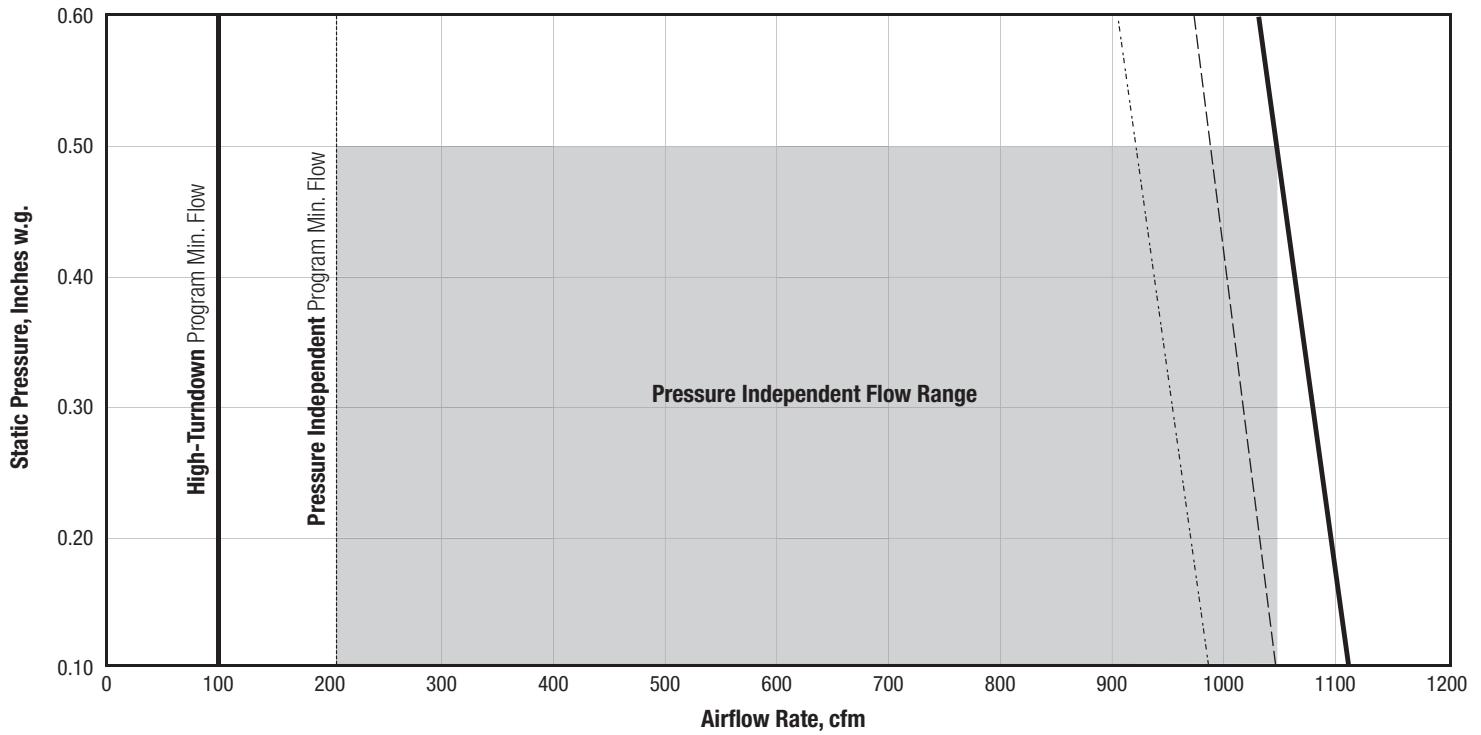
Cooling Coil Notes

- Cooling coil is intended for sensible cooling only.
- 22 ga., leak resistant construction.
- Aluminum fins & copper tubes with O.D. sweat connections.
- Hand of water coil connections is determined when viewed from air inlet side. Left hand coil shown.
- Coil performance rated & certified in accordance with the current edition of AHRI standard 410.
- See performance schedule for flow and cooling capacity/water coil configuration.

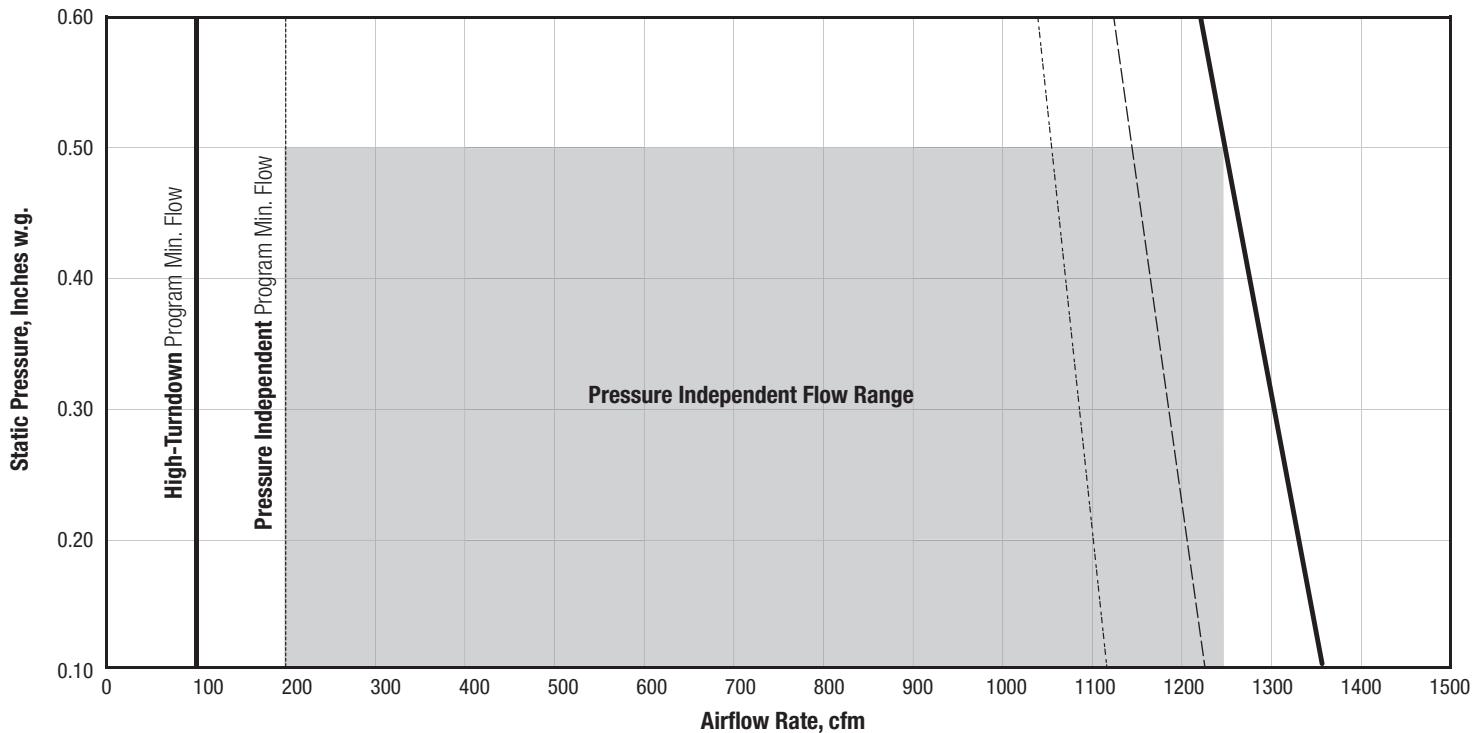
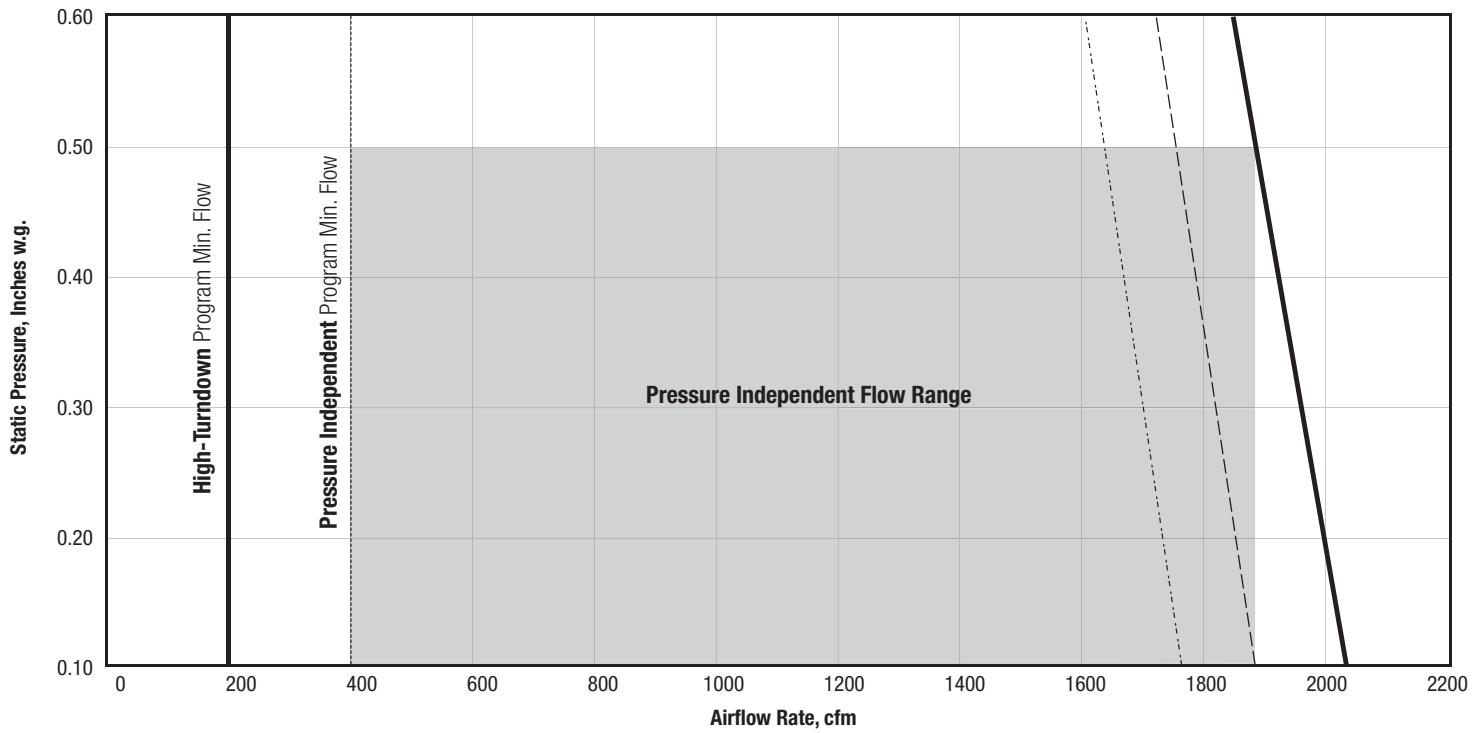
Options

- Hanger brackets
- Spring hanger brackets
- Disconnect switch
- Gauge taps
- Controls enclosure
- 1" filter (MERV3)
- 2" filter (MERV8)
- 2" filter (MERV13)
- 1" fiberglass liner (size 40 only)
- 1/2" fiber free foam liner
- 1" fiber free foam liner (size 40 only)
- 5/8" foil faced fiber board liner
- 1" foil faced fiber board liner (size 40 only)
- 2, 4, 6, or 8 row cooling coil
- Stainless steel drip pan

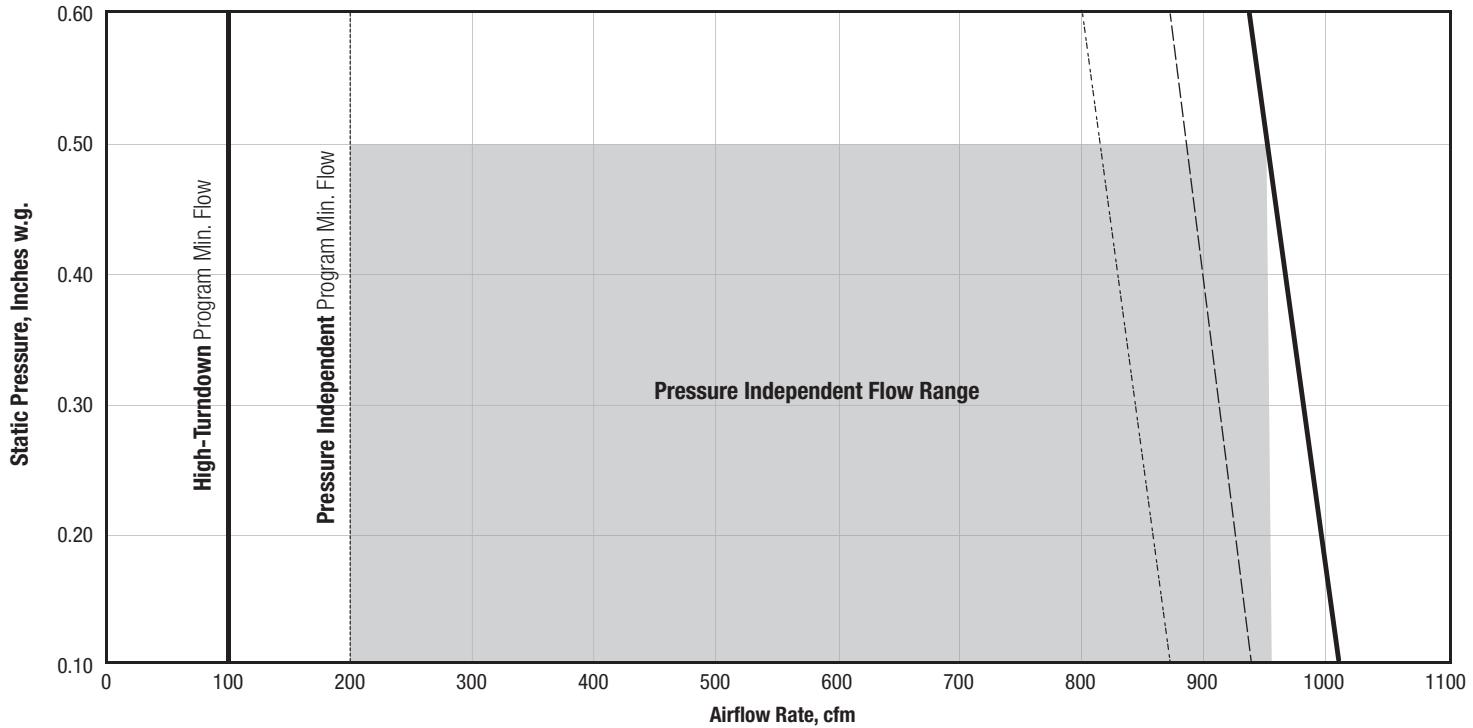
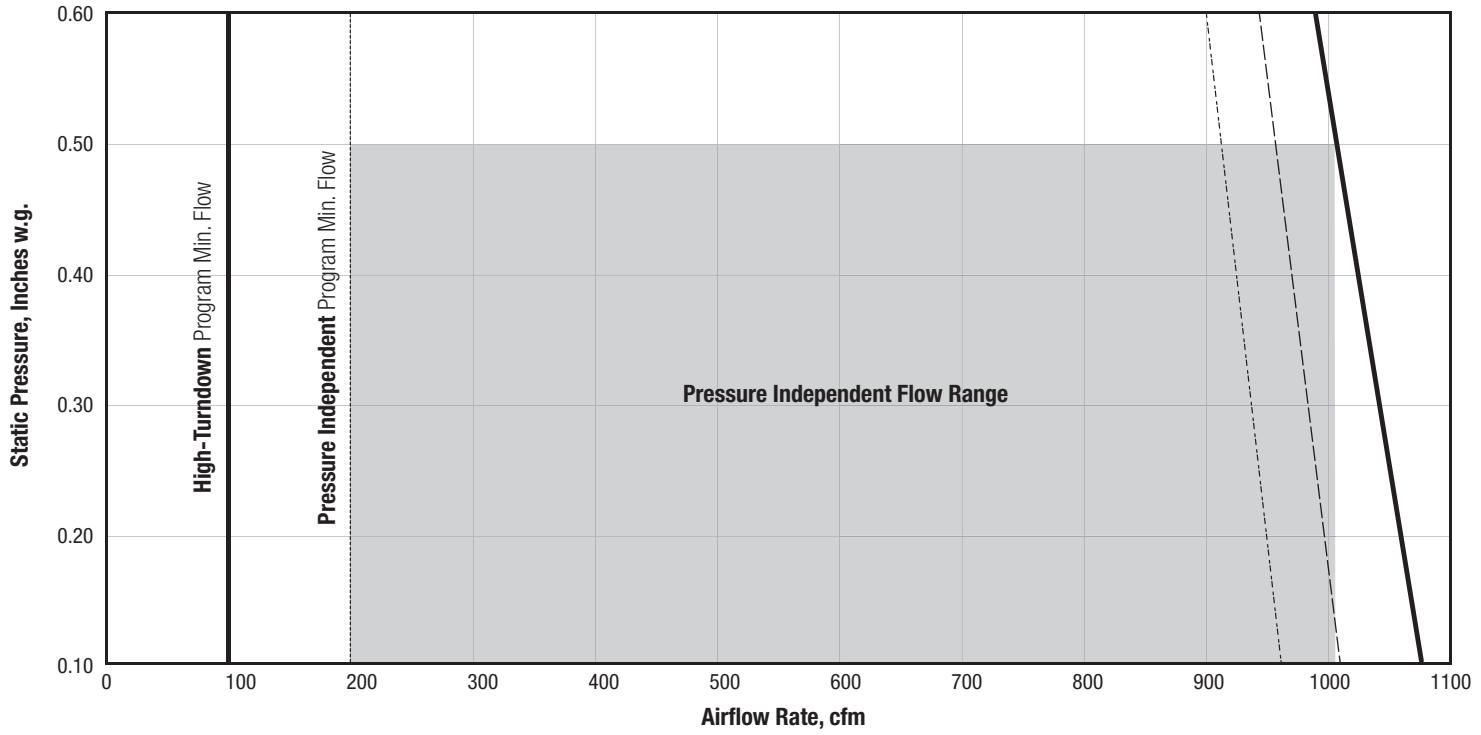


Fan Performance Curves - FDCLP2 with ECM**Unit Size 10****Unit Size 20**

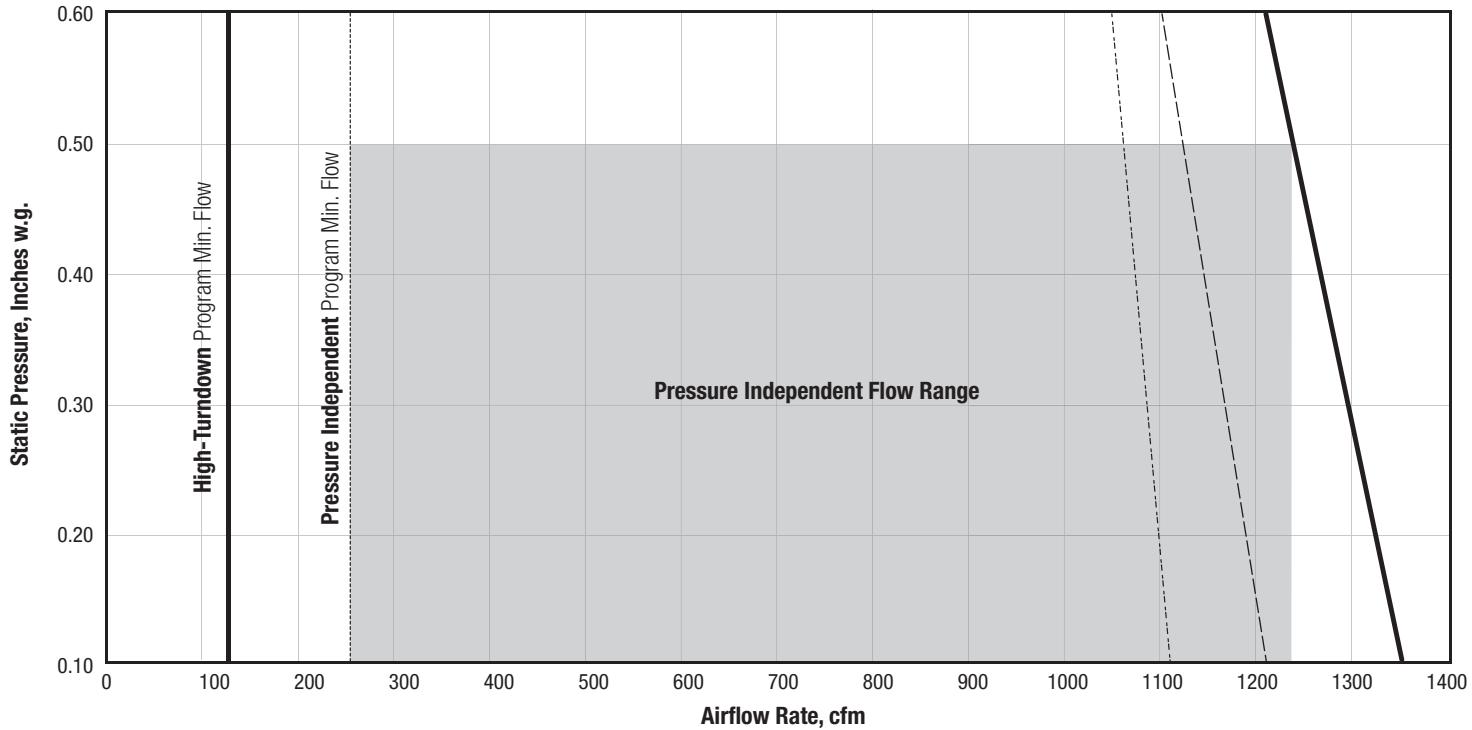
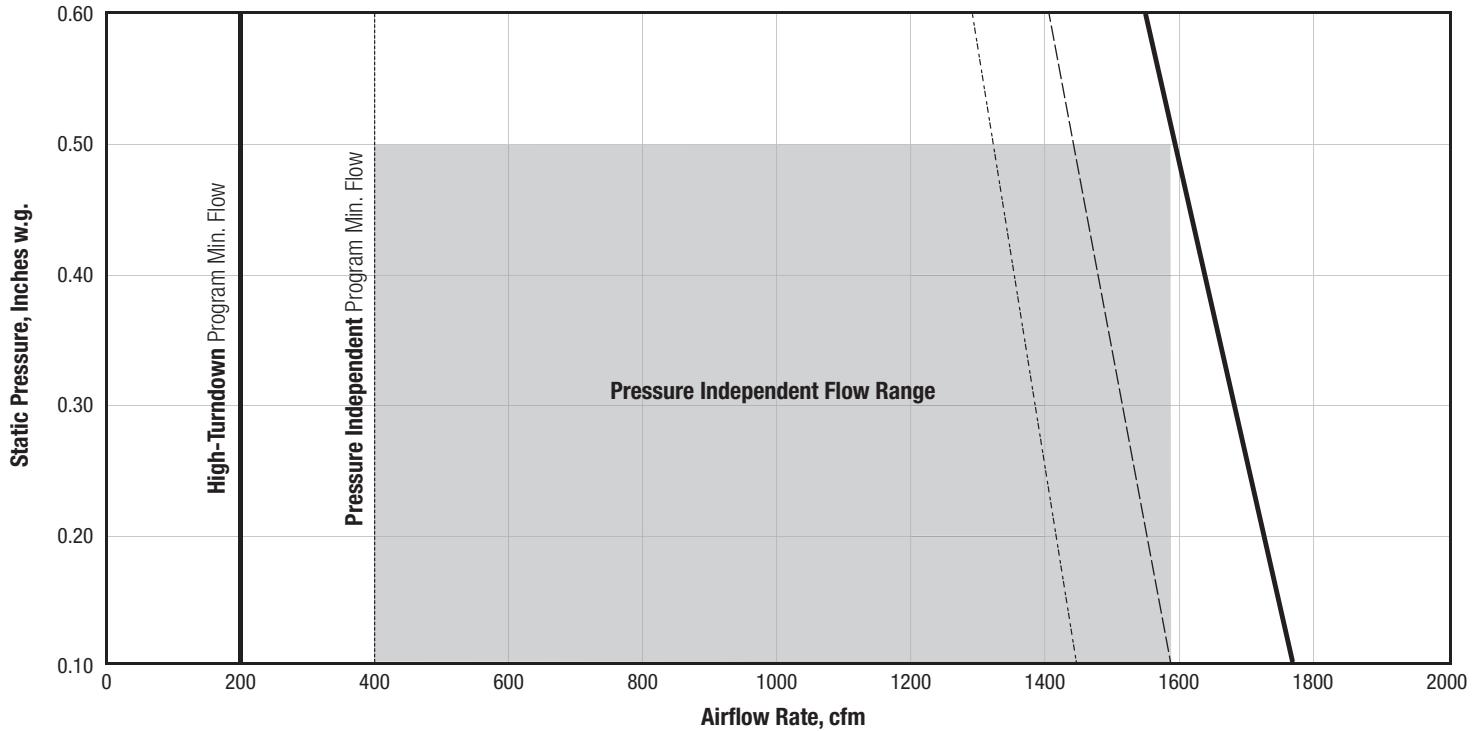
— — — 1 Row RH Coil
- - - - 2 Row RH Coil

Fan Performance Curves - FDCLP2 with ECM**Unit Size 30****Unit Size 50**

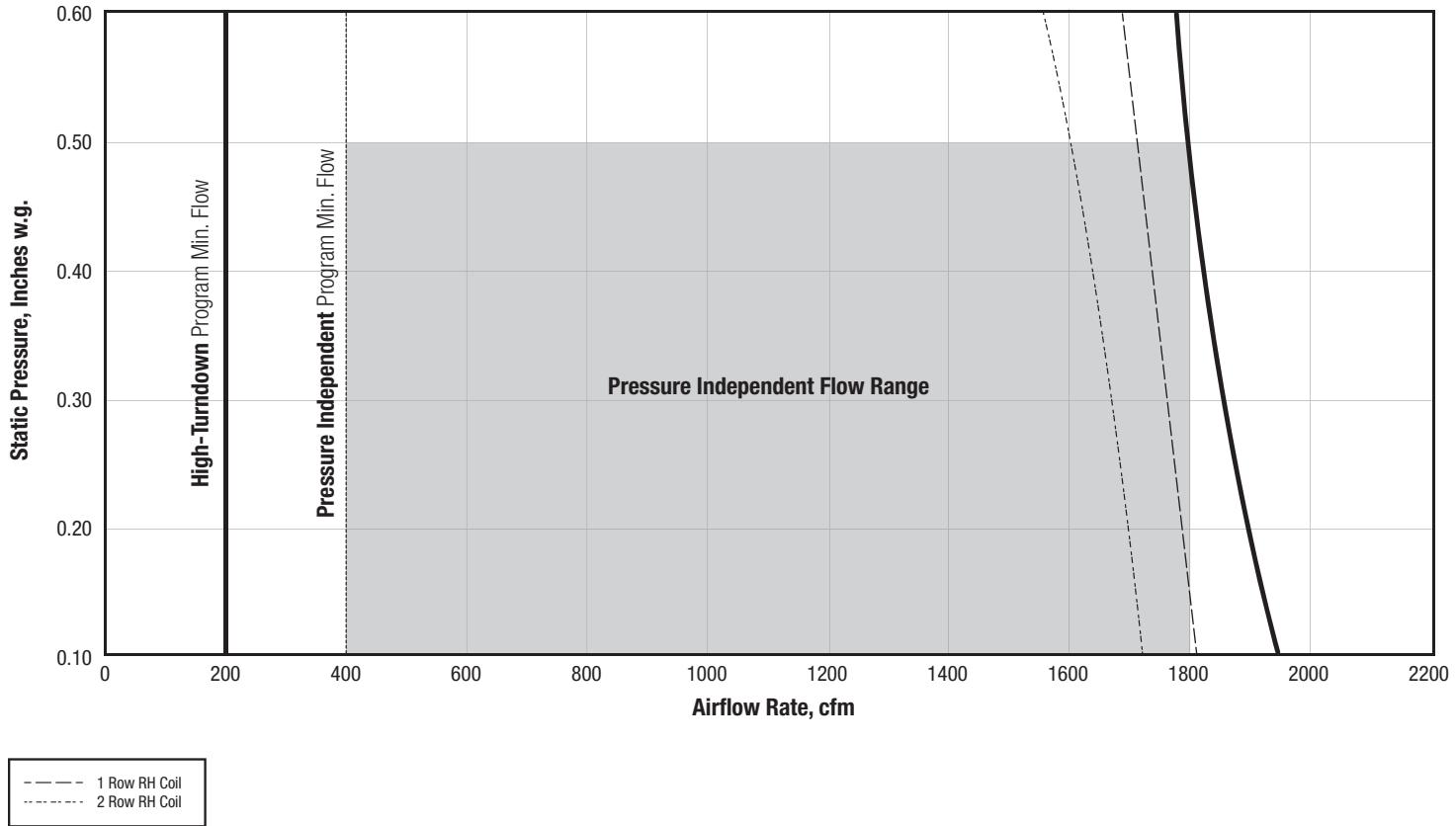
-- -- - 1 Row RH Coil
- - - - - 2 Row RH Coil

Fan Performance Curves - FDCLP2 with ECM & Sensible Cooling Coil (DOAS)**Unit Size 10 - 2 Row Cooling Coil****Unit Size 20 - 2 Row Cooling Coil**

-- -- 1 Row RH Coil
- - - 2 Row RH Coil

Fan Performance Curves - FDCLP2 with ECM & Sensible Cooling Coil (DOAS)**Unit Size 30 - 2 Row Cooling Coil****Unit Size 40 - 2 Row Cooling Coil**

— — — 1 Row RH Coil
- - - - - 2 Row RH Coil

Fan Performance Curves - FDCLP2 with ECM & Sensible Cooling Coil (DOAS)**Unit Size 50 - 2 Row Cooling Coil**

Discharge Sound Power Levels - FDCLP2

Unit Size	Inlet Size Inch	Primary Airflow		Fan Airflow		Sound Power Levels, Lw, dB re 10^-12 Watts												
		Fan Only Octave Band							187 Pa (0.75" w.g.) Octave Band									
		L/s	cfm	L/s	cfm	2	3	4	5	6	7	2	3	4	5	6	7	
10	6	71	150	71	150	59	53	53	49	46	36	59	51	52	49	45	36	
		94	200	94	200	60	54	54	50	47	38	61	53	53	50	46	38	
		142	300	142	300	60	56	55	52	48	41	64	55	54	52	47	41	
		189	400	189	400	66	60	59	58	55	50	69	59	59	57	53	48	
		236	500	236	500	70	64	62	62	59	56	72	63	63	60	57	54	
20	8	94	200	94	200	51	47	48	45	39	30	53	47	47	44	36	28	
		153	325	153	325	59	55	55	52	48	41	61	55	54	51	45	40	
		212	450	212	450	65	61	59	57	53	49	66	61	59	56	51	48	
		271	575	271	575	69	65	63	61	57	54	70	65	62	60	56	54	
		330	700	330	700	72	68	65	64	61	59	73	68	65	63	60	59	
30	8	400	400	260	550	66	59	59	57	53	49	66	60	58	56	52	50	
		450	450	307	650	69	62	61	60	57	53	68	63	61	59	55	53	
		525	525	354	750	72	65	63	62	60	56	71	66	63	61	58	56	
		600	600	401	850	74	68	65	65	62	59	72	68	65	64	61	60	
		700	700	472	1000	77	71	67	67	65	63	75	71	67	66	64	63	
50	14x8	437	925	484	1025	62	58	60	58	54	51	66	60	59	57	54	51	
		496	1050	543	1150	65	60	62	60	56	53	68	62	61	59	56	54	
		543	1150	590	1250	66	62	63	62	58	55	69	64	62	60	58	56	
		590	1250	637	1350	68	64	65	63	60	57	71	65	64	61	60	57	
		661	1400	708	1500	70	66	66	65	62	60	72	67	65	63	62	60	

Radiated Sound Power Levels - FDCLP2

Unit Size	Inlet Size Inch	Primary Airflow		Fan Airflow		Sound Power Levels, Lw, dB re 10^-12 Watts												
		Fan Only Octave Band							187 Pa (0.75" w.g.) Octave Band									
		L/s	cfm	L/s	cfm	2	3	4	5	6	7	2	3	4	5	6	7	
10	6	71	150	71	150	48	44	40	35	26	17	53	46	42	38	29	25	
		94	200	94	200	49	45	41	37	27	17	56	49	45	40	31	26	
		142	300	142	300	51	46	44	40	29	20	59	53	48	43	33	27	
		189	400	189	400	57	50	48	45	34	25	61	55	50	46	35	28	
		236	500	236	500	61	54	51	48	38	29	65	59	55	50	41	32	
20	8	94	200	94	200	43	39	38	35	23	17	54	48	45	41	32	25	
		153	325	153	325	52	47	45	42	32	17	59	53	48	46	37	28	
		212	450	212	450	58	52	49	47	37	24	62	56	51	49	40	31	
		271	575	271	575	63	56	52	51	41	29	64	58	53	51	42	33	
		330	700	330	700	67	59	55	54	45	34	66	60	54	53	44	35	
30	8	400	400	260	550	61	54	51	49	39	27	58	52	49	46	37	29	
		450	450	307	650	63	56	52	51	42	31	60	54	51	49	40	31	
		525	525	354	750	65	57	54	53	44	35	62	56	53	52	43	33	
		600	600	401	850	66	59	56	55	46	37	64	59	55	54	45	35	
		700	700	472	1000	69	60	57	57	49	41	67	61	57	56	48	38	
50	14x8	437	925	484	1025	56	53	52	48	36	28	62	58	57	53	44	37	
		496	1050	543	1150	59	55	54	50	38	30	64	60	58	54	45	38	
		543	1150	590	1250	60	56	55	52	40	31	65	61	59	55	45	39	
		590	1250	637	1350	62	58	56	53	42	32	66	62	60	56	46	39	
		661	1400	708	1500	64	59	57	55	44	34	68	63	61	58	47	48	

Performance Notes:

1. Test data obtained in accordance with AHRI Standard 880-2011 and ASHRAE Standard 130-2008.
2. Sound Power Levels expressed in decibels (dB) re 10^-12 watts.
3. Data is raw without any corrections for Room Absorption, duct attenuation, or ceiling transmission loss.
4. Fan external static pressure is 63 Pa (0.25" W.G.) in all cases.

Discharge Sound Power Levels - FDCLP2 with Sensible Cooling Coil (DOAS)

Unit Size	Inlet Size Inch	Primary Airflow		Fan Airflow		Sound Power Levels, Lw, dB re 10 ⁻¹² Watts							187 Pa (0.75" w.g.) Octave Band							375 Pa (1.5" w.g.) Octave Band						
		Fan Only Octave Band				187 Pa (0.75" w.g.) Octave Band							375 Pa (1.5" w.g.) Octave Band							187 Pa (0.75" w.g.) Octave Band						
		L/s	cfm	L/s	cfm	2	3	4	5	6	7	2	3	4	5	6	7	2	3	4	5	6	7			
10	6	71	150	94	200	53	51	49	46	42	33	57	52	51	48	45	35	58	52	51	48	45	36			
		106	225	153	325	62	57	56	54	51	45	64	58	57	55	51	45	65	59	57	55	52	46			
		142	300	212	450	68	62	61	60	57	53	69	63	61	59	56	52	70	63	62	59	56	52			
		177	375	271	575	73	66	64	64	61	59	73	66	65	62	59	57	74	67	65	63	59	57			
		212	450	319	675	76	68	67	67	64	63	76	68	67	65	61	60	77	69	67	65	61	61			
20	6	47	100	94	200	51	47	48	45	39	30	59	55	54	51	45	37	60	56	55	52	45	37			
		130	275	153	325	59	55	55	52	48	41	63	59	58	55	50	45	64	60	58	56	51	45			
		212	450	212	450	65	61	59	57	53	49	66	61	60	58	54	50	67	62	61	58	54	50			
		236	500	271	575	69	65	63	61	57	54	69	63	62	59	57	54	70	64	62	60	57	54			
		271	575	330	700	72	68	65	64	61	59	70	65	63	61	59	57	71	66	64	61	60	58			
30	8	85	180	142	300	56	48	50	46	41	36	57	49	49	45	39	36	58	50	49	45	39	36			
		127	270	212	450	63	55	56	53	49	45	63	56	55	52	47	45	64	57	55	52	47	45			
		170	360	283	600	68	61	60	58	55	51	67	61	59	57	53	51	68	62	60	57	53	51			
		212	450	354	750	72	65	63	62	60	56	70	65	63	61	58	56	73	69	66	64	61	58			
		255	540	425	900	75	69	66	66	63	61	73	69	66	64	61	60	74	69	66	64	62	60			
40	8	142	300	236	500	64	59	56	53	48	42	60	55	54	52	48	43	61	56	54	53	49	43			
		212	450	342	725	67	62	60	57	53	48	65	60	59	58	54	50	67	61	60	58	55	51			
		269	570	448	950	70	66	64	61	58	55	71	66	64	64	60	58	72	67	65	64	61	59			
		354	750	566	1200	72	69	66	65	63	62	75	70	68	68	65	63	76	71	69	69	66	64			
		396	840	661	1400	74	71	68	66	64	62	77	72	71	71	68	67	79	73	71	71	68	67			
50	14x8	437	925	484	1025	62	58	60	58	54	51	66	60	59	56	52	50	69	62	59	57	54	51			
		496	1050	543	1150	65	60	62	60	56	53	68	62	61	59	56	54	70	64	61	59	56	54			
		543	1150	590	1250	66	62	63	62	58	55	71	64	62	60	58	56	72	65	62	60	58	56			
		590	1250	637	1350	59	56	59	57	46	43	71	65	64	61	60	57	73	67	64	61	60	57			
		661	1400	708	1500	70	66	66	65	62	60	72	67	65	63	62	60	75	69	65	63	62	60			

Radiated Sound Power Levels - FDCLP2 with Sensible Cooling Coil (DOAS)

Unit Size	Inlet Size Inch	Primary Airflow		Fan Airflow		Sound Power Levels, Lw, dB re 10 ⁻¹² Watts							187 Pa (0.75" w.g.) Octave Band							375 Pa (1.5" w.g.) Octave Band						
		Fan Only Octave Band				187 Pa (0.75" w.g.) Octave Band							375 Pa (1.5" w.g.) Octave Band							187 Pa (0.75" w.g.) Octave Band						
		L/s	cfm	L/s	cfm	2	3	4	5	6	7	2	3	4	5	6	7	2	3	4	5	6	7			
10	6	71	150	94	200	45	45	46	40	32	18	46	48	46	40	31	20	48	49	47	40	31	21			
		106	225	153	325	54	51	51	47	39	27	55	54	52	47	39	28	57	56	53	48	39	29			
		142	300	212	450	59	56	55	52	44	34	61	58	57	52	44	34	63	60	57	52	45	35			
		177	375	271	575	64	59	58	56	48	39	66	64	62	60	56	48	68	63	60	57	51	49			
		212	450	319	675	66	61	60	58	51	42	75	67	65	63	61	42	77	69	67	65	63	62			
20	6	47	100	94	200	45	46	48	43	32	19	57	47	45	43	31	23	60	50	47	43	32	25			
		130	275	153	325	54	51	53	50	39	27	63	57	55	50	41	31	65	59	56	51	42	33			
		212	450	212	450	60	55	56	54	44	33	69	64	62	58	50	40	71	66	63	59	51	42			
		236	500	271	575	64	58	58	57	48	37	75	61	60	58	53	43	73	68	66	62	54	45			
		271	575	330	700	68	60	60	58	51	40	77	61	60	58	53	43	75	65	62	57	54	45			
30	8	85	180	142	300	57	52	53	49	38	26	59	55	55	52	42	31	63	58	58	55	47	37			
		127	270	212	450	59	54	55	52	43	31	62	58	58	55	47	36	65	60	60	58	51	40			
		170	360	283	600	61	55	56	55	46	36	65	60	60	58	50	40	71	66	63	59	51	42			
		212	450	354	750	62	56	57	57	49	39	71	66	64	61	53	43	73	68	66	62	54	45			
		255	540	425	900	63	57	58	59	51	41	75	61	60	58	56	48	77	69	67	65	63	62			
40	8	142	300	236	500	57	52	49	46	40	29	60	56	53	50	45	35	65	57	54	51	46	40			
		212	450	342	725	60	56	53	50	45	35	64	60	57	54	50	42	66	56	53	51	45	38			
		269	570	448	950	64	59	56	54	50	41	67	62	60	57	54	46	68	60	58	55	51	45			
		354	750	566	1200	66	62	59	57	54	46	68	63	61	59	56	48	69	64	62	59	57	50			
		396	840	661	1400	68	64	61	59																	

Cooling Coil Data (IP Units) – FDCLP2 with Sensible Cooling Coil (DOAS)

Unit Size	Rows	Coil GPM	HD Loss	Sensible Cooling Capacity (MBH)			
				225 CFM	375 CFM	525 CFM	675 CFM
10	2	1	0.2	2.6	3.4	3.9	4.3
		2	0.8	3.0	4.1	5.0	5.6
		4	2.8	3.2	4.6	5.7	6.7
		6	6.0	3.3	4.8	6.1	7.1
		Airside Δ Ps		0.01	0.03	0.05	0.08
	4	1	0.2	3.5	4.8	5.5	6.0
		2	0.7	3.9	5.7	7.1	8.1
		4	2.6	4.0	6.2	8.0	9.6
		6	5.4	4.1	6.4	8.4	10.1
		Airside Δ Ps		0.02	0.05	0.1	0.15
	6	1	0.1	3.8	5.2	6.1	6.6
		2	0.4	4.1	6.3	7.9	9.1
		4	1.5	4.2	6.7	8.9	10.8
		6	3.2	4.3	6.9	9.2	11.3
		Airside Δ Ps		0.03	0.08	0.15	0.23
	8	1	0.3	4.1	5.9	7.0	7.6
		2	1.1	4.3	6.8	8.9	10.5
		4	4.0	4.3	7.1	9.6	11.9
		6	8.3	4.3	7.1	9.8	12.3
		Airside Δ Ps		0.04	0.11	0.19	0.3

Unit Size	Rows	Coil GPM	HD Loss	Sensible Cooling Capacity (MBH)		
				450 CFM	600 CFM	750 CFM
20	2	1	0.1	3.6	4.1	4.4
		2	0.4	4.6	5.3	5.9
		4	1.7	5.3	6.3	7.1
		6	3.8	5.5	6.7	7.7
		Airside Δ Ps		0.03	0.05	0.08
	4	1	0.2	5.3	6.0	6.4
		2	0.6	6.6	7.9	8.8
		4	2.4	7.3	9.0	10.5
		6	4.9	7.5	9.5	11.2
		Airside Δ Ps		0.06	0.1	0.15
	6	1	0.2	6.2	6.9	7.4
		2	1.0	7.5	9.1	10.4
		4	3.5	8.1	10.3	12.2
		6	7.3	8.3	10.6	12.8
		Airside Δ Ps		0.09	0.15	0.23
	8	1	0.3	6.7	7.5	7.9
		2	1.3	8.0	9.9	11.3
		4	4.6	8.4	10.9	13.1
		6	9.6	8.5	11.1	13.6
		Airside Δ Ps		0.12	0.2	0.3

Unit Size	Rows	Coil GPM	HD Loss	Sensible Cooling Capacity (MBH)			
				450 CFM	600 CFM	750 CFM	900 CFM
30	2	1	0.1	3.6	4.1	4.4	4.7
		2	0.4	4.6	5.3	5.9	6.4
		4	1.7	5.3	6.3	7.1	7.9
		6	3.8	5.5	6.7	7.7	8.5
		Airside Δ Ps		0.03	0.05	0.08	0.1
	4	1	0.2	5.3	6.0	6.4	6.7
		2	0.6	6.6	7.9	8.8	9.6
		4	2.4	7.3	9.0	10.5	11.8
		6	4.9	7.5	9.5	11.2	12.7
		Airside Δ Ps		0.06	0.1	0.15	0.21
	6	1	0.2	6.2	6.9	7.4	7.7
		2	1.0	7.5	9.1	10.4	11.3
		4	3.5	8.1	10.3	12.2	13.9
		6	7.2	8.3	10.6	12.8	14.7
		Airside Δ Ps		0.09	0.15	0.23	0.31
	8	1	0.3	6.7	7.5	7.9	8.2
		2	1.3	8.0	9.9	11.3	12.5
		4	4.6	8.4	10.9	13.1	15.1
		6	9.6	8.5	11.1	13.6	15.9
		Airside Δ Ps		0.12	0.2	0.3	0.42

Cooling Coil Data (IP Units) – FDCLP2 with Sensible Cooling Coil (DOAS)

Unit Size	Rows	Coil GPM	HD Loss	Sensible Cooling Capacity (MBH)			
				750 CFM	950 CFM	1150 CFM	1250 CFM
40	2	1	0.3	5.4	5.9	6.2	6.4
		2	1.3	7.2	8.1	8.8	9.1
		4	2.8	8.0	9.2	11.0	11.5
		6	4.8	8.5	9.8	11.9	12.5
		Airside Δ Ps		0.03	0.04	0.06	0.07
	4	1	0.3	7.3	7.7	8.0	8.1
		2	1.1	10.1	11.4	12.3	12.7
		4	2.3	11.2	13.0	15.7	16.4
		6	3.8	11.8	13.9	16.9	17.9
		Airside Δ Ps		0.06	0.09	0.12	0.14
	6	1	0.4	8.1	8.4	8.6	8.7
		2	1.6	11.5	13.0	14.0	14.5
		4	3.4	12.6	14.9	18.0	19.0
		6	5.7	13.2	15.8	19.3	20.6
		Airside Δ Ps		0.09	0.13	0.19	0.22
	8	1	0.6	8.5	8.7	8.8	8.9
		2	2.1	12.3	14.0	15.1	15.5
		4	4.5	13.4	16.0	19.4	20.6
		6	7.5	13.8	16.8	20.6	22.0
		Airside Δ Ps		0.12	0.18	0.25	0.29

Unit Size	Rows	Coil GPM	HD Loss	Sensible Cooling Capacity (MBH)			
				1200 CFM	1400 CFM	1600 CFM	1750 CFM
50	2	1	0.1	5.7	5.9	6.1	6.2
		2	0.5	8.0	8.5	8.9	9.2
		4	2.0	10.2	11.0	11.6	12.1
		6	4.4	11.2	12.2	13.0	13.6
		Airside Δ Ps		0.1	0.13	0.17	0.2
	4	1	0.2	7.7	7.9	8.0	8.1
		2	0.8	11.8	12.5	13.0	13.3
		4	3.0	15.2	16.5	17.6	18.4
		6	6.2	16.6	18.3	19.7	20.8
		Airside Δ Ps		0.2	0.26	0.33	0.39
	6	1	0.3	8.4	8.6	8.6	8.7
		2	1.2	13.7	14.4	14.9	15.2
		4	4.4	17.8	19.5	20.9	21.8
		6	9.1	19.3	21.4	23.4	24.7
		Airside Δ Ps		0.3	0.39	0.5	0.59
	8	1	0.4	8.7	8.8	8.9	8.9
		2	1.6	14.8	15.5	16.0	16.3
		4	5.8	19.4	21.4	23.0	24.1
		6	12.1	20.8	23.4	25.7	27.2
		Airside Δ Ps		0.4	0.53	0.67	0.79

Performance Notes:

1. Tabulated values are in MBH (thousands of Btu per hour).
2. Tables are based on (57°F entering water temperature and 75°F entering air temperature). Entering water temperature must be above plenum dew point to prevent condensation on the coil (typically 55-57°F).
3. Minimum air and water flow values are based on ASHRAE recommendations for coil selections. For selections below these tabulated air or water values, please consult your local Price representative.
4. HD (Head) loss is in ft. of water.
5. Through the Coil ΔPs, is the pressure drop in in. of water across the coil.
6. Air temperature rise = ATR
ATR (°F) = 927 x MBH/cfm
7. Water temperature drop = WTD
WTD (°F) = 2.04 x MBH/gpm
8. Values in tables are listed for 0 ft. of altitude and no glycol in the system.
9. For information outside the ranges used in the table, consult the current Price software or your Price representative for accurate coil information.
10. Cooling coils used in this unit have performance rated and certified in accordance with the current edition of AHRI Standard 410.
11. Connections: Single Circuit – 1 /2 in. OD male solder Multi Circuit – 7 /8 in. OD male solder.



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