FDC

SERIES FLOW FAN POWERED TERMINAL UNIT

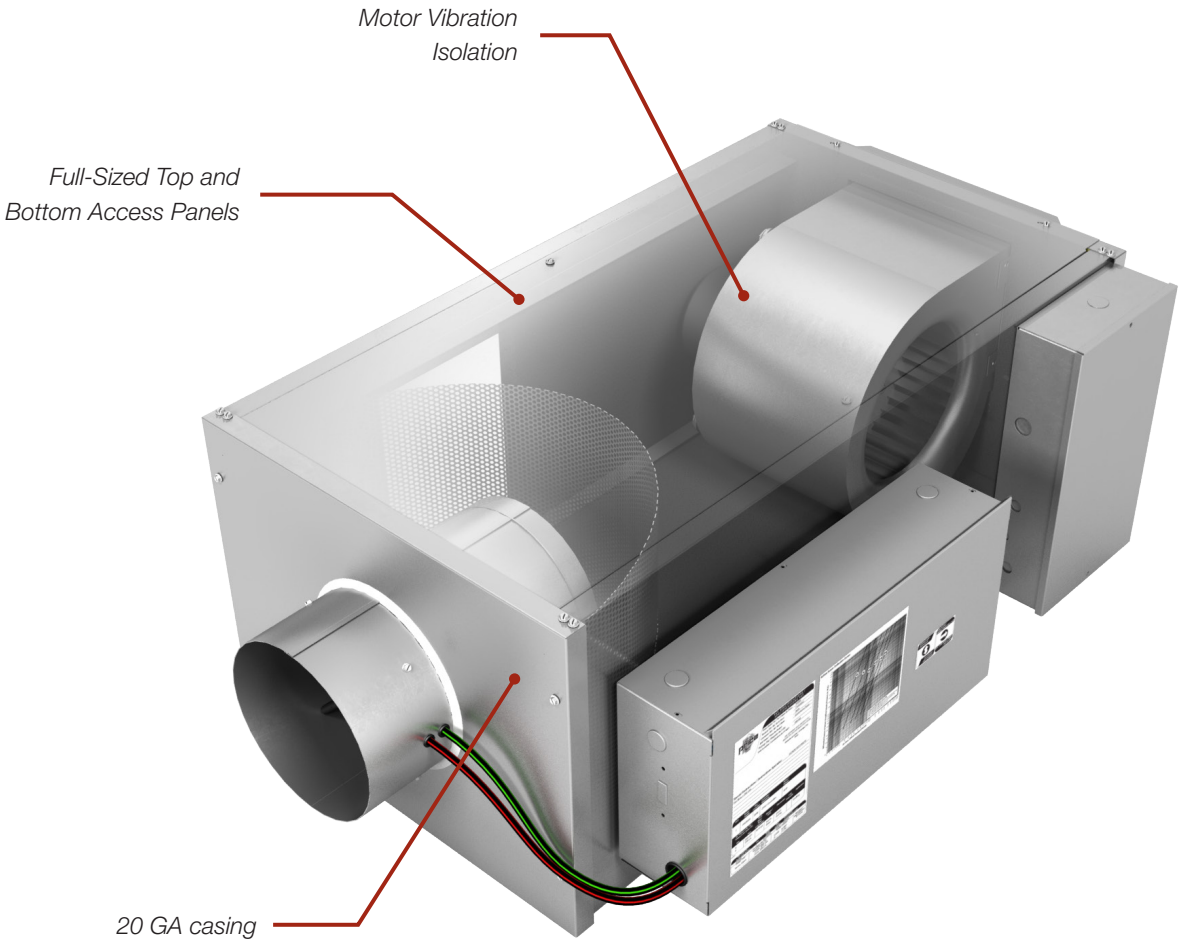


price | TERMINALS

FDC
Series Flow Fan Powered Terminal Unit

The FDC, series flow, fan powered terminal unit, is designed to supply air volume to the occupied zone in response to a control signal.

Features such as advanced sensor technology, a wide range of product sizes and air flows, low sound levels, increased hot water coil selections, and innovative options establish Price as an industry leader for terminal units.



FIELD REVERSIBILITY

With a centered inlet, the discharge is not the direct center of the unit in regards to height, it is centered in regards to the width, with full-sized access panels on the top and bottom, this unit can be reoriented between left-hand and right-hand configurations on the job site. This also includes units equipped with hot water reheat and flippable electric reheat.

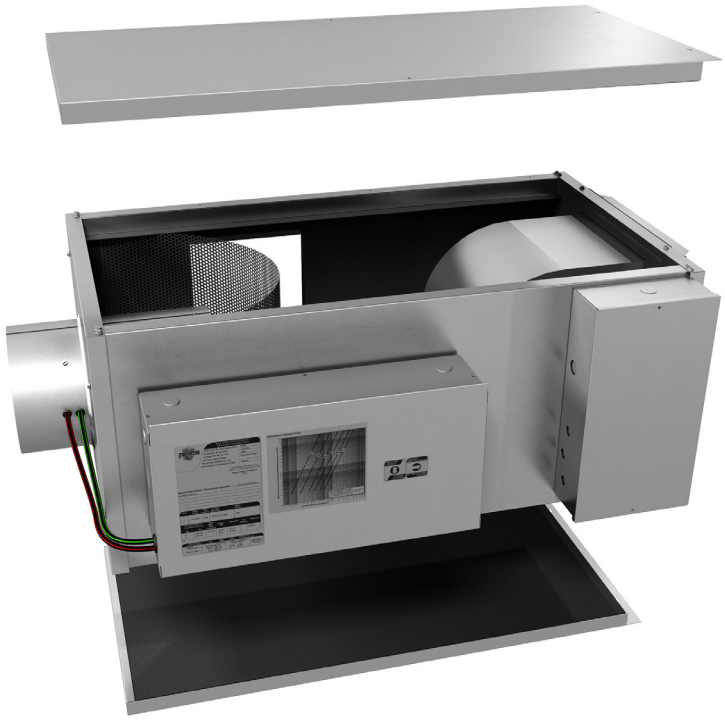
COMPACT DESIGN

Ideal for installations with limited space, the small footprint allows for easier installation and less required clearance.

ECM PROGRAM OPTIONS

The FDC provides added flexibility by allowing the user to select an ECM program to best suit the application.

+ **High Turndown Flow** – This program enables lower minimum fan speeds and in most cases gives a 10:1 turndown ratio.
+ **Pressure Independent Flow** – This program ensures that the motor maintains the fan flow within 5% of the flow setpoint across varying static pressures.



Full-Sized Top and Bottom Access Panels

TYPICAL APPLICATIONS

The FDC is commonly used to provide constant airflow to exterior zones where the heating and cooling loads vary. They are also used in buildings to provide heat during periods of non-occupancy where it is desirable to leave the central air handling system off.

For most typical operating sequences, the fan will deliver the maximum cooling air volume.

STANDARD DESIGN

+ 20 GA. casing for sound reduction
+ Full size top and bottom access doors
+ Field reversible handing, including electric coil
+ Motor vibration isolation

OPTIONAL FEATURES

+ Electric and hot water reheat
+ ECM Motor
+ Inlet attenuator sections
+ Multiple liner options

QUIET OPERATION

Genesis Inlet Attenuator

The FDC is available with return inlet attenuators for a cost-effective solution for sound sensitive applications. Inlet attenuators reduce radiated sound, and are ideal for installations directly above sound sensitive spaces. For ease of installation, inlet attenuators are shipped installed on the assembly.

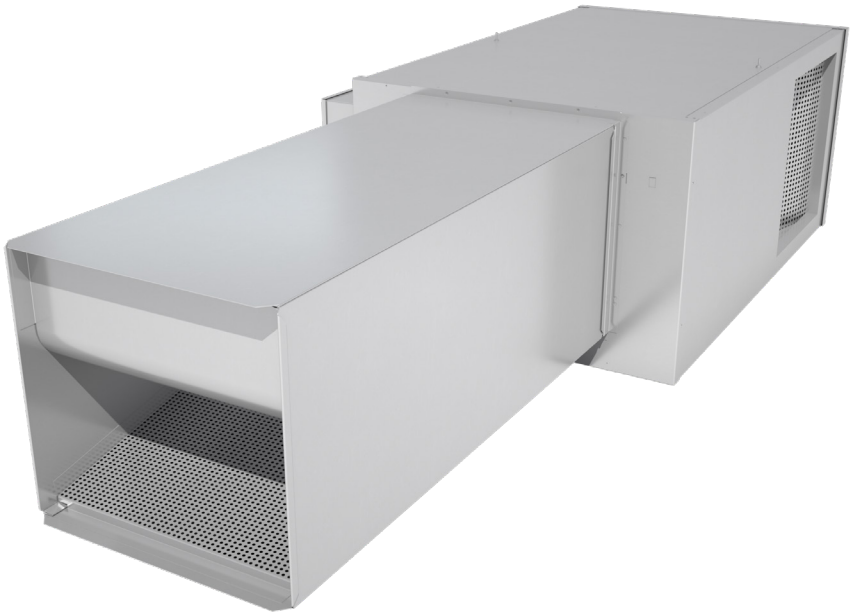


Discharge Attenuator

For applications where the FDC is discharging into a sound sensitive space, such as a meeting room or an office, a discharge attenuator is available to help reduce discharge sound. Both inlet and discharge attenuators are conveniently available with any of the standard Price liner options.

Discharge Silencer

For unparalleled sound attenuation, Price offers an integrated silencer specifically designed for the FDC. This close coupled silencer is optimized to reduce self-generated noise, minimize pressure drop, and maximize acoustic attenuation resulting in the quietest series fan powered terminal unit.



CONTROLS

Price offers a complete line of controls to best suit any application. For exceptional user comfort, the Price Intelligent Controller (PIC) universal DDC control package is available factory installed on all FDC units.

HOT WATER REHEAT

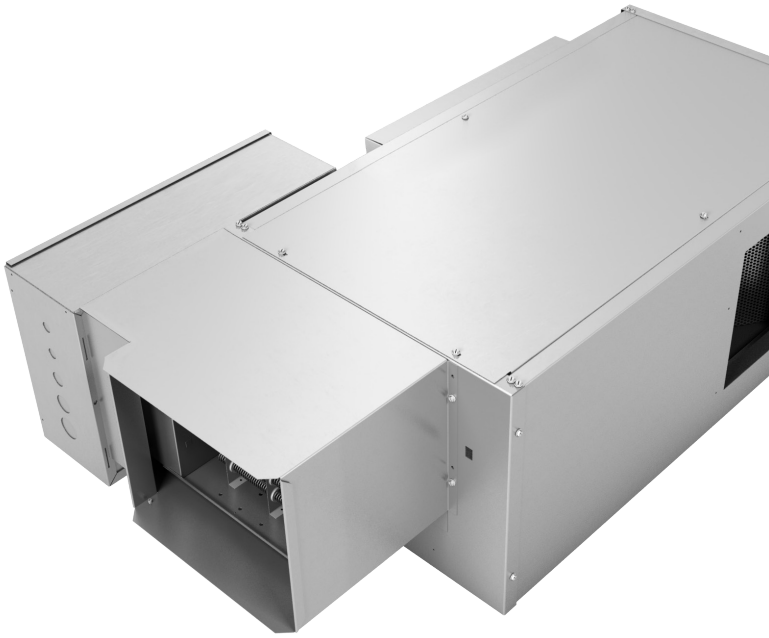
Price water coils are constructed from high quality materials and are AHRI410 certified. Designed to optimize heat transfer, water coils are available in standard and high capacity configurations to meet the requirements of every project. For ease of maintenance, optional access doors are available for upstream or downstream installation, with a variety of fastening choices.



VALVE PACKAGES

Hot water coils are available with a factory leak-tested valve package for simplicity and ease of installation. Each valve package is available with the following options:

+ Factory installed or shipped loose as assemblies for field installation
+ 2-way or 3-way valves
+ Valve package enclosure



ELECTRIC REHEAT

Price electric coils are factory mounted, ETL listed to meet electrical safety standards, and comply with CSA236/UL1995. Field reversible fan powered electric heaters are a side-mounted, slide-in style, specifically designed to mount on the terminal discharge, allowing for easy field maintenance. Thermal safety switches and fan interlocked heating elements are supplied to ensure safe operation.

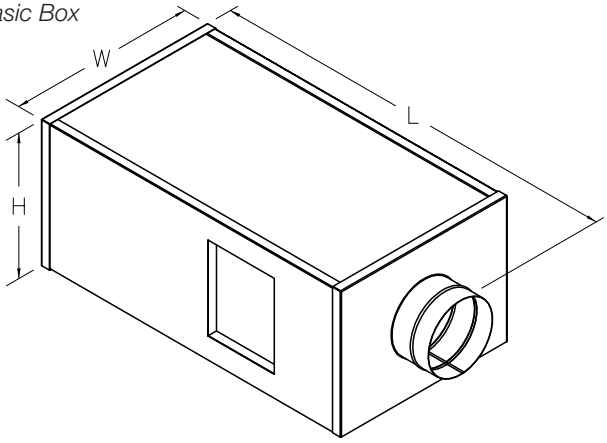
ACCESSORIES

Additional accessories are offered to meet specific job requirements. Details on these accessories are available in the Terminal Units Accessories catalog.

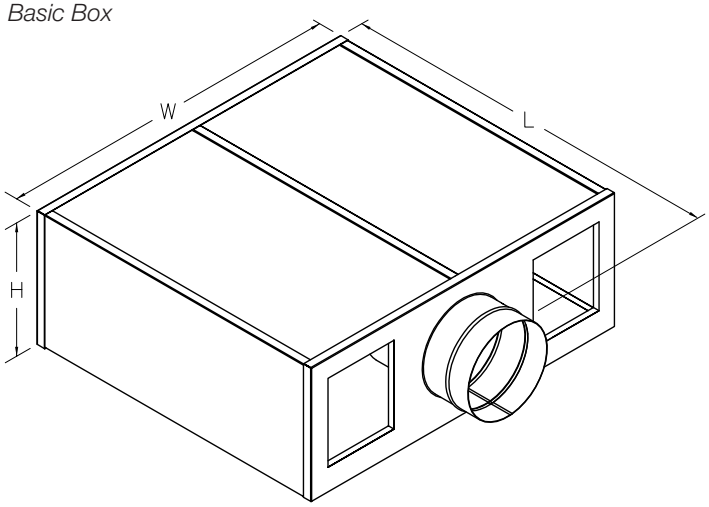
DIMENSIONAL DATA

Unit Size	Inlet Size	Height (H)	Width (W)		Length (L)			
			Basic Box	With Inlet Attenuator IAS	Basic Box	With Inlet Attenuator IAS	With Electric Coil EC	With Water Coil WC
10	4, 5	15 1/4 in.	20 in.	29 in.	42 1/2 in.		53 in.	47 1/2 in.
	6, 8, 10				40 1/2 in.		51 in.	45 1/2 in.
20	6, 8, 10, 12	18 1/2 in.	26 in.	41 in.	45 1/2 in.		56 in.	50 1/2 in.
30	8, 10, 12, 14, 16							
40	10, 12, 14, 16			43 in.				
50	12, 14, 16	20 1/8 in.	30 in.	47 in.	48 1/2 in.	48 1/2 in.	59 in.	53 1/2 in.
60	14, 16		52 in.	52 in.		82 3/8 in.	94 1/2 in.	65 in.

FDC 10-50
Basic Box



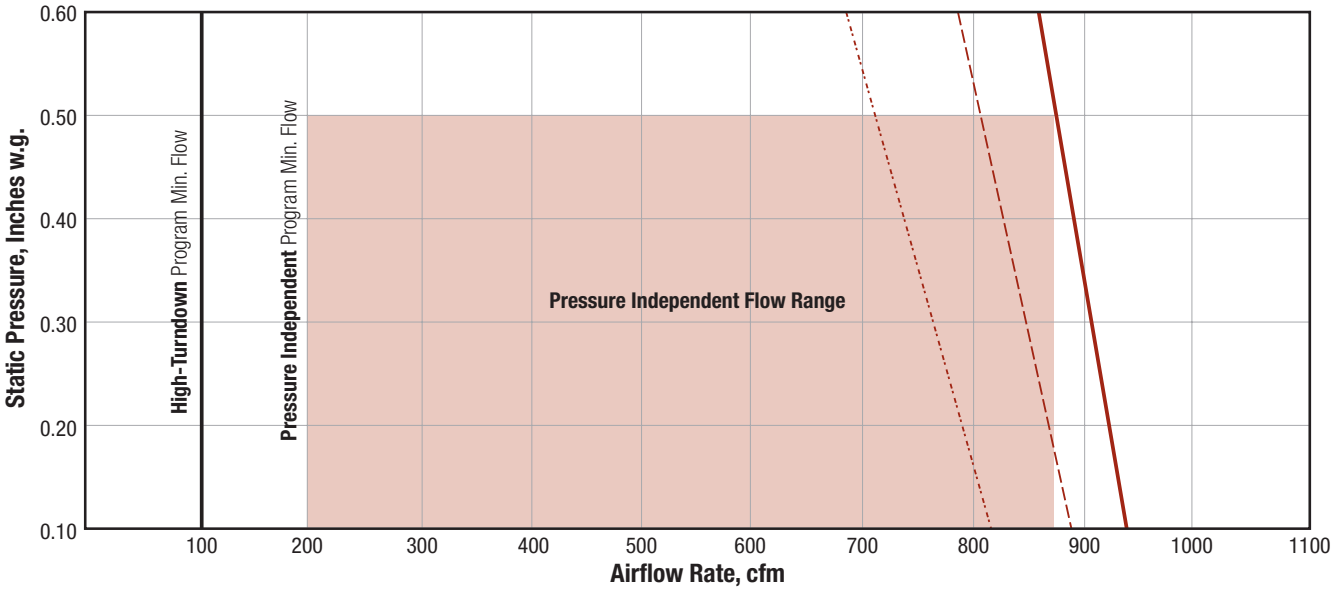
FDC 60
Basic Box



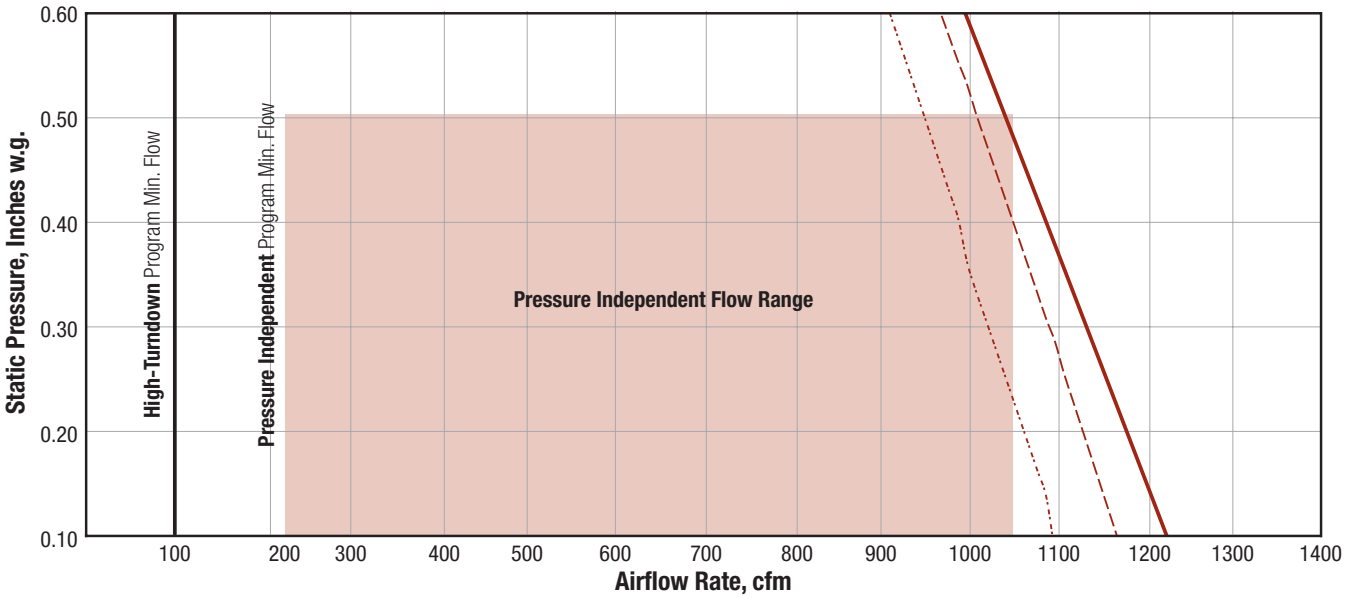
PERFORMANCE DATA

FDC with ECM - Fan Performance Curves

Unit Size 10



Unit Size 20

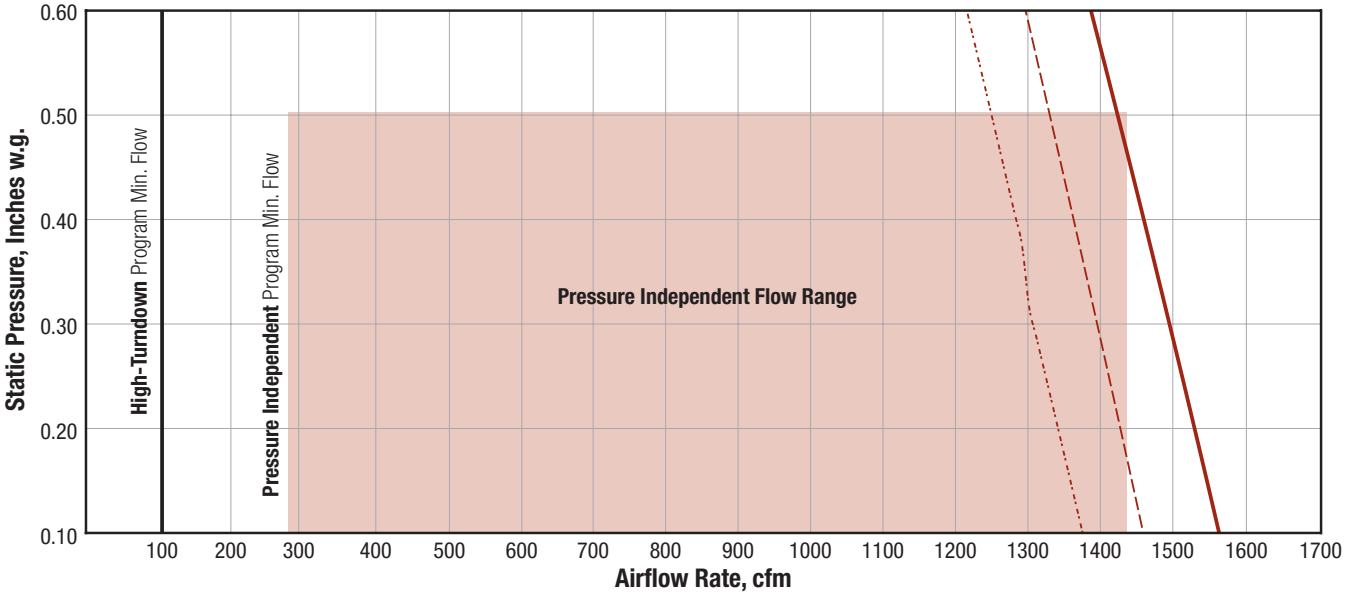




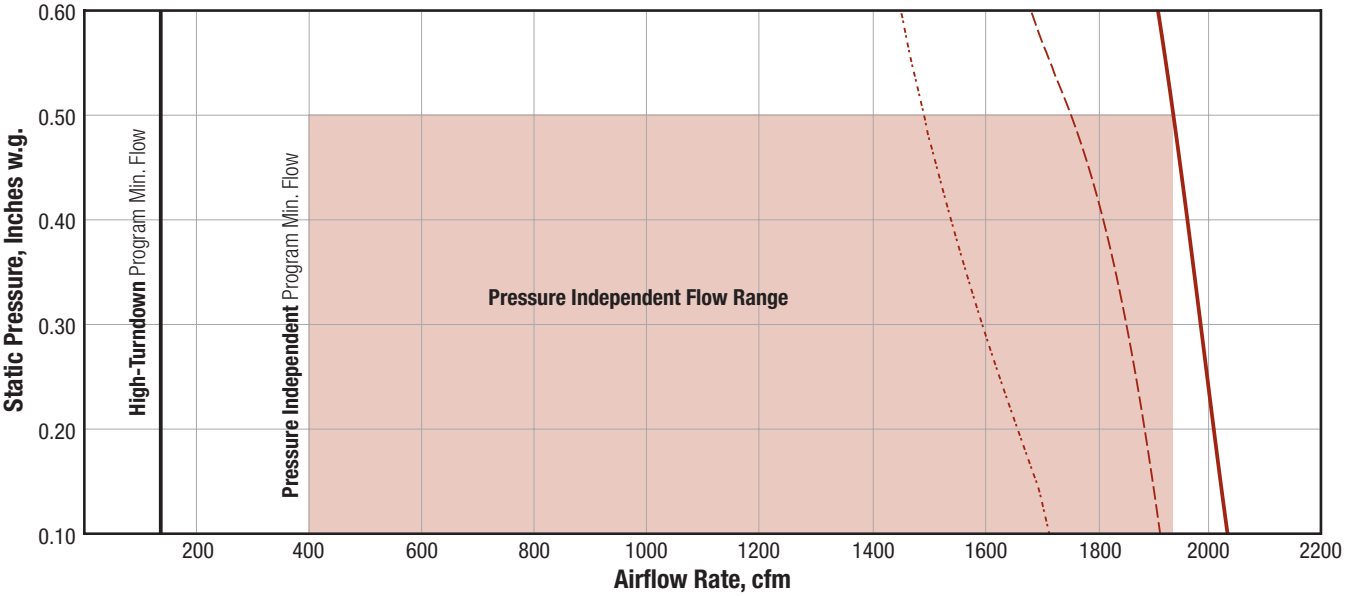
PERFORMANCE DATA

FDC with ECM - Fan Performance Curves

Unit Size 30



Unit Size 40

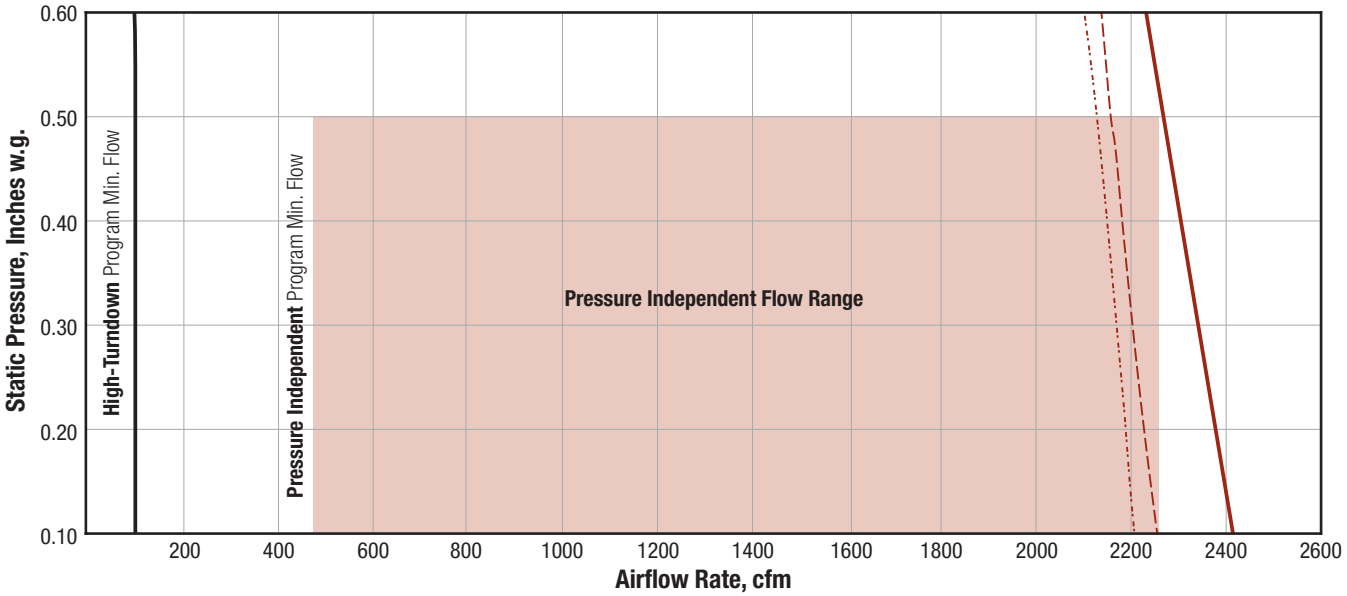




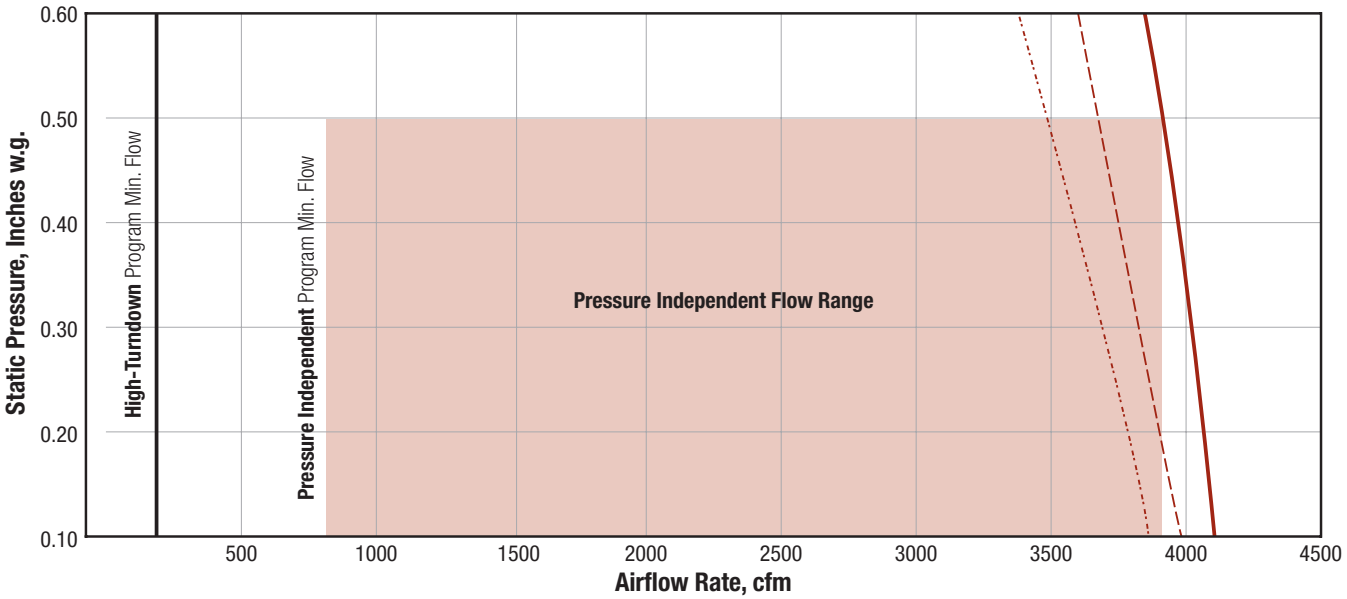
PERFORMANCE DATA

FDC with ECM - Fan Performance Curves

Unit Size 50



Unit Size 60

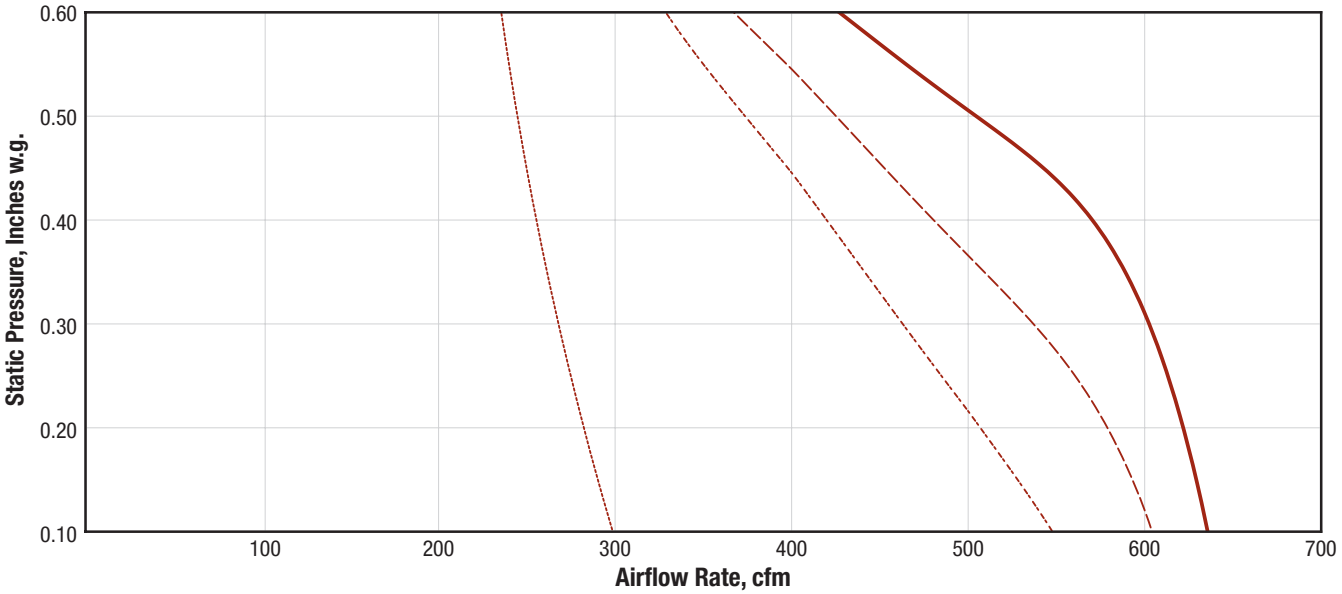




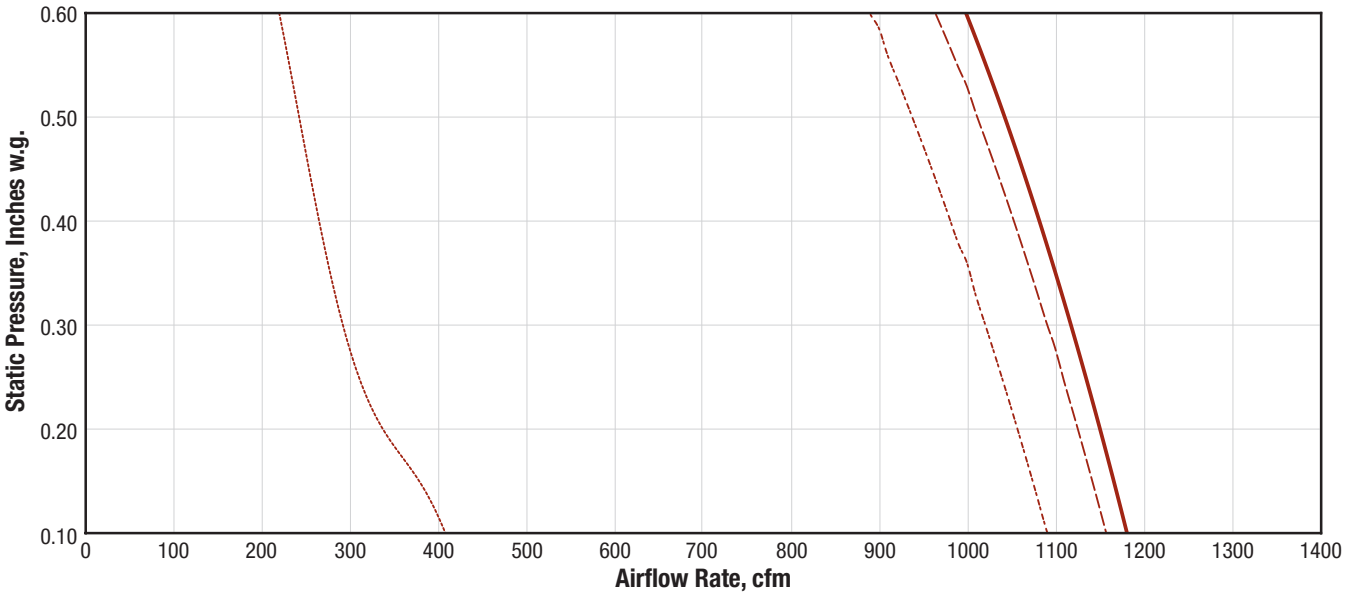
PERFORMANCE DATA

FDC with PSC - Fan Performance Curves

Unit Size 10



Unit Size 20

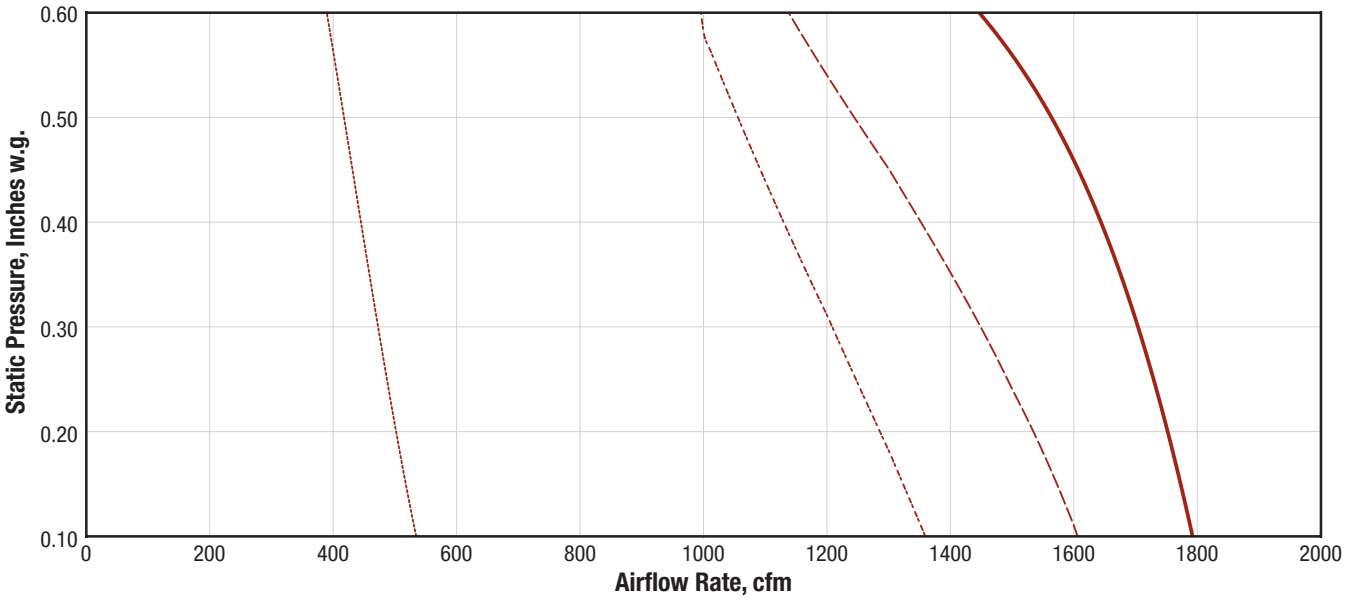




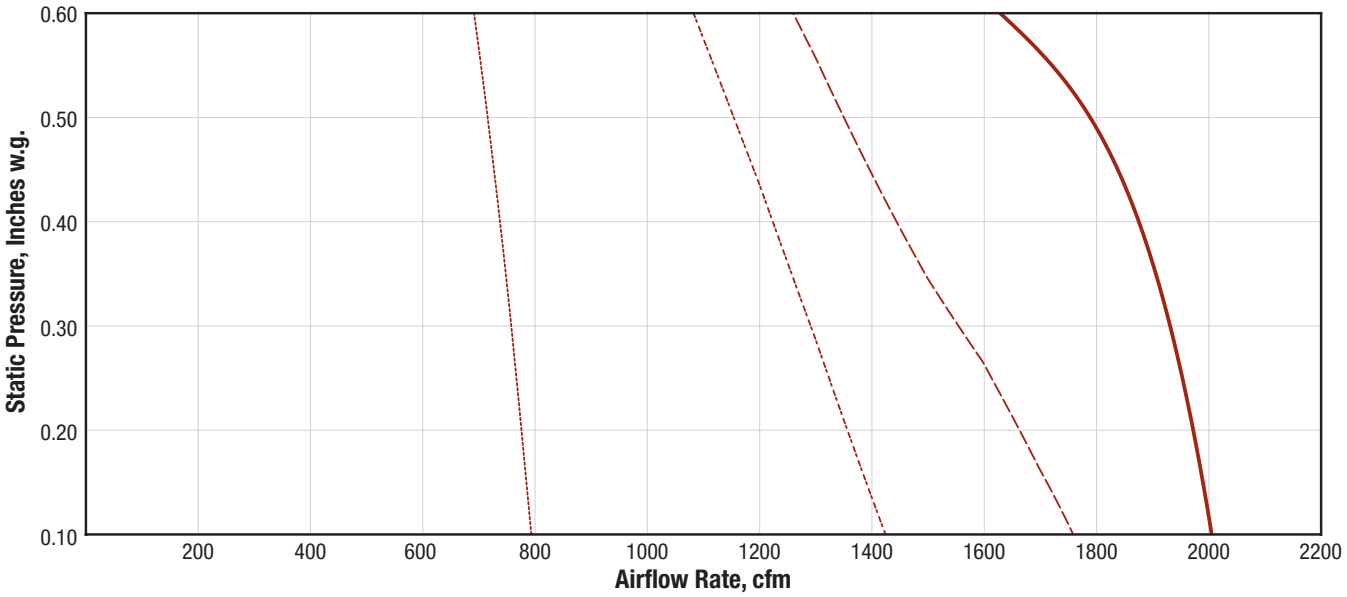
PERFORMANCE DATA

FDC with PSC - Fan Performance Curves

Unit Size 30



Unit Size 40

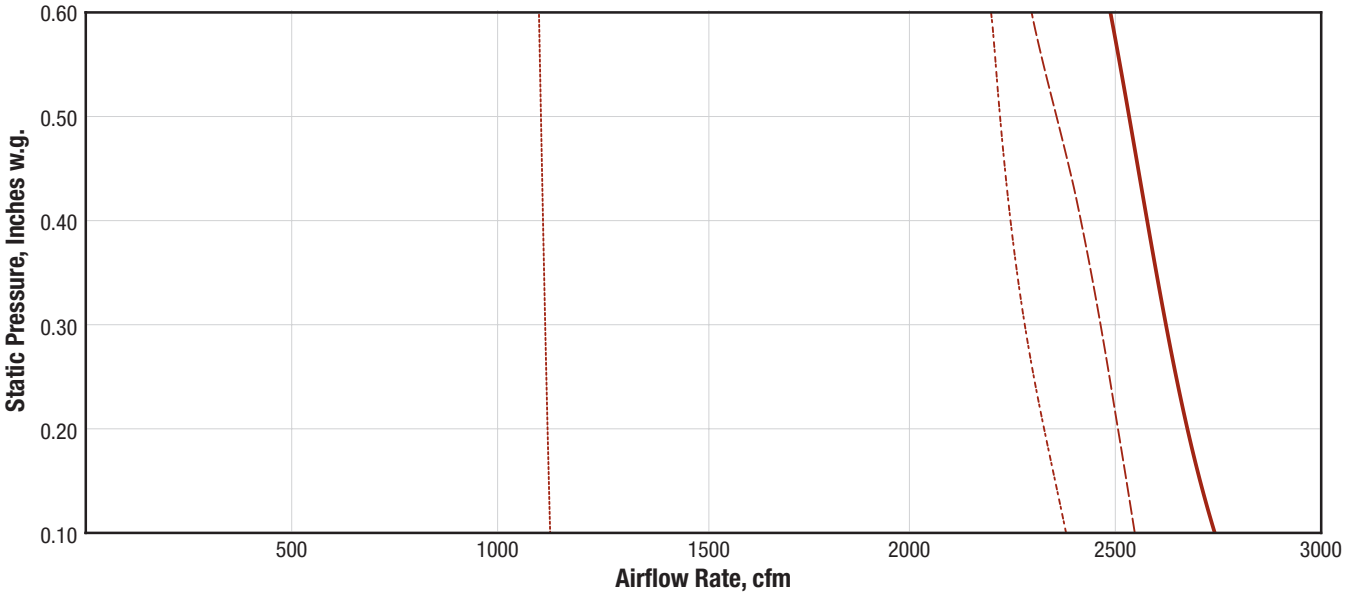




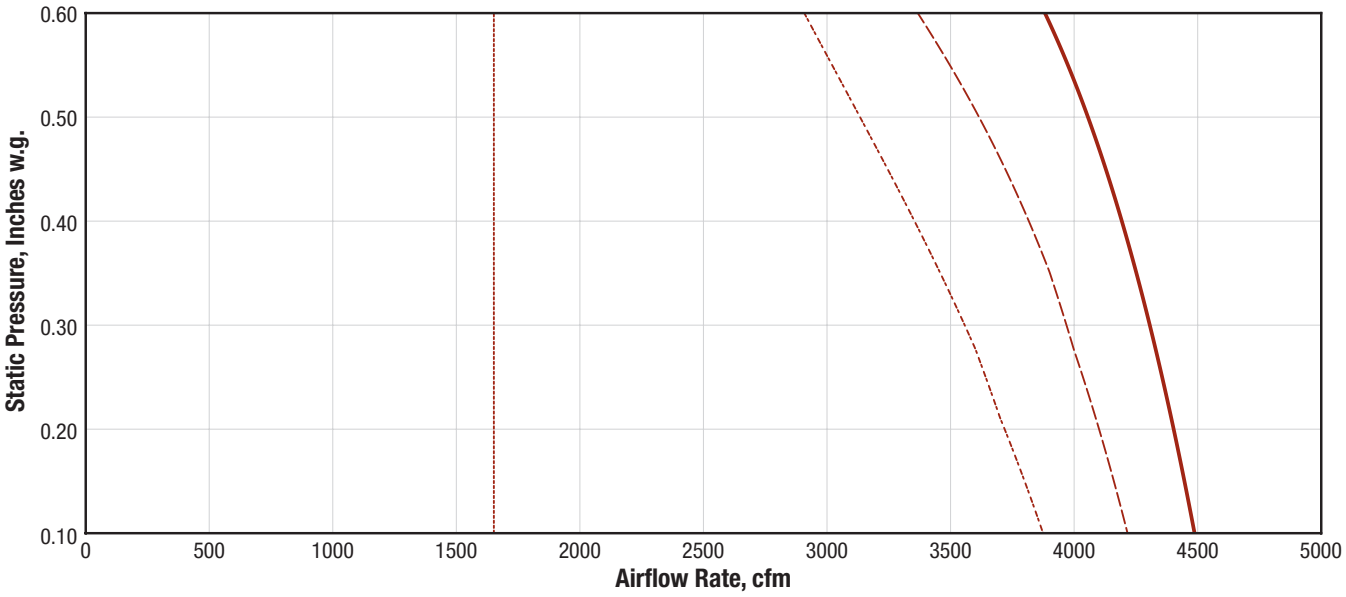
PERFORMANCE DATA

FDC with PSC - Fan Performance Curves

Unit Size 50



Unit Size 60





PERFORMANCE DATA

FDC - ECM Capacities

Unit Size	Inlet Size	Primary Airflow		Fan Airflow		Motor HP	Full Load Amps			
		Minimum	Maximum	Minimum	Maximum		115V	208V	240V	277V
10	4	50	400	100	950	1/3	4.6	2.9	2.6	2.4
	5	63	500							
	6	66	550							
	8	132	950*							
	10	221	950*							
20	6	66	550	100	1250	1/3	4.6	2.9	2.6	2.4
	8	132	1100							
	10	221	1250*							
	12	310	1250*							
30	8	132	1100	100	1575	1/2	7.1	4.5	4.0	3.8
	10	221	1575*							
	12	310	1575*							
	14	439	1575*							
	16	568	1575*							
40	10	221	1800	100	2000	3/4	10.3	7.2	6.4	6.0
	12	310	2000*							
	14	439	2000*							
	16	568	2000*							
50	12	310	2400*	100	2400	1	12.0	9.6	8.5	6.4
	14	439	2400*							
	16	568	2400*							
60	14	250	4130*	100	4130	3/4	18.6	14.3	12.6	10.2
	16	575	4130*	250						

FDC - PSC Capacities

Unit Size	Inlet Size	Primary Airflow		Fan Airflow		Motor HP	Full Load Amps			
		Minimum	Maximum	Minimum	Maximum		115V	208V	240V	277V
10	4	50	400	288	625	1/8	2.7	1.6	1.5	1.0
	5	63	500							
	6	66	550							
	8	132	625*							
	10	221	625*							
20	6	66	550	400	1200	1/4	6.1	2.6	2.5	2.6
	8	132	1100							
	10	221	1200*							
	12	310	1200*							
30	8	132	1100	537	1775	1/2	7.4	3.4	3.2	3.2
	10	221	1775*							
	12	310	1775*							
	14	439	1775*							
	16	568	1775*							
40	10	221	1800	800	2000	3/4	9.3	5.2	4.8	4.0
	12	310	2000*							
	14	439	2000*							
	16	568	2000*							
50	12	310	2600	1150	2725	1	x	6.5	5.9	5.2
	14	439	2725*							
	16	568	2725*							

*Maximum primary airflow is limited by the maximum fan airflow.
Note: Maximum fan airflow values in the tables are for the base assembly (no coil, no filter) with a downstream static pressure of 0.1 in. w.g.

PERFORMANCE DATA

FDC Electric Coil Max kW - Single Point Connection

Size	1 Phase Voltage					3 Phase Voltage	
	120	208	240	277	480	208	480
10	5.4	9.3	10.8	12.0	12.4	12.8	12.4
20	5.2	9.4	10.9	12.6	17.8	16.3	17.8
30	4.9	9.2	10.7	12.4	20.9	16.0	25.0
40	4.6	8.9	10.3	12.1	20.9	15.4	28.8
50	4.3	8.6	10.1	11.8	20.5	14.9	35.2
60	3.5	7.8	9.2	10.7	18.6	13.6	32.3

FDC Electric Coil Max kW - Dual Point Connection

Size	1 Phase Voltage					3 Phase Voltage		
	120	208	240	277	480	208	480	600
10	5.7	9.9	11.5	12.0	12.4	12.8	12.4	13.0
20	5.7	9.9	11.5	13.2	17.8	17.2	17.8	17.8
30	5.7	9.9	11.5	13.2	23.0	23.0	25.0	25.5
40	5.7	9.9	11.5	13.2	23.0	17.2	28.8	26.1
50	5.7	9.9	11.5	13.2	23.0	17.2	35.2	37.1
60	5.7	9.9	11.5	13.2	23.0	17.2	39.9	49.8

SELECTION PARAMETERS

Supply Voltage/Phase Selection

Common Supply Voltages

Electric coils for Fan power Terminal units can be ordered for a variety Voltage supplies.

When possible, a single point connection is provided for the heater and fan motor. Table 1, below, indicates compatible heater/fan motor voltages.

	Heater Volts/Phase	Fan Motor Volts/Phase
Single Point Connection	115V/1PH	115V/1PH
	208V/1PH	208V/1PH
	240V/1PH	240V/1PH
	277V/1PH	277V/1PH
	480V/1PH *3 wire	277V/1PH
	208V/3PH	208V/1PH
	480V/3PH *4 wire	277V/1PH
Dual Point Connection	600V/3PH	115V/1PH

* When 480 V/3PH or 480/1PH power is specified a neutral line must be run in order to provide a one point connection. The neutral and one of the hot 480 V legs in used to supply 277 V to the fan motor. See illustration.

Notes:

1. ETL certified assemblies.
2. Minimum kW:
   Single Phase = 0.5 kW per stage.
   Three Phase = 1.5 kW.
3. The recommended limit of 48 Amps may be exceeded. This requires supplemental fusing to meet NEC code requirements. Contact your local Price representative for further details
4. Maximum kW limitations is the lesser of
   a) coil selection chart, orw
   b) minimum air flow requirements of 70 cfm/kW.

PERFORMANCE DATA

FDC - AHRI Certification Rating Points

Discharge Sound Power Levels

Unit Size	Fan[2] (cfm)	Input[3] (W)	Min. Δ Ps Inlet[4] (in. w.g.)	Discharge Sound Power Level (db)					
				Fan Only[5]					
				Octave Band					
				2	3	4	5	6	7
1008	700	155	0.21	74	70	68	67	64	61
2010	1100	200	0.11	71	68	65	64	60	59
3012	1500	425	0.10	79	76	72	71	68	68
4014	1800	580	0.07	81	78	73	74	71	71
5014	2100	600	0.10	81	74	71	72	69	68
6014	2800	580	0.08	75	72	71	70	68	67

Radiated Sound Power Levels

Unit Size	Primary[1] cfm	Fan[2] cfm	Input[3] (W)	Min. Δ Ps Inlet[4] (in. w.g.)	Radiated Sound Power Level (dB)											
					Fan Only[5]						1.5 in. Inlet Static w.g.					
					Octave Band						Octave Band					
					2	3	4	5	6	7	2	3	4	5	6	7
1008	700	700	155	0.21	63	57	50	45	42	37	69	62	55	51	54	55
2010	1100	1100	200	0.11	64	57	49	43	39	36	68	62	55	51	54	56
3012	1500	1500	425	0.10	70	63	55	49	46	43	71	66	58	53	56	58
4014	1800	1800	580	0.07	73	68	58	55	50	47	75	70	60	55	54	54
5014	2100	2100	600	0.10	73	66	58	52	49	46	72	67	59	56	59	60
6014	2800	2800	580	0.08	74	69	60	52	50	50	80	76	66	59	58	57

AHRI Certification Notes:

1. Primary cfm is the standard rated air volume for the inlet.
2. Fan cfm is the maximum rated fan volume at 0.25" w.g. downstream static pressure.
3. Input watts is the maximum electrical power input at the maximum rated fan volume.
4. Minimum operating pressure inlet is the minimum operating pressure requirement of the primary air valve at the rated primary cfm.
5. Fan only sound power levels are at the maximum rated fan volume.
6. Sound power levels include duct end corrections per AHRI Standard 880-2017. Please refer to the Engineering Guide for more details.

PERFORMANCE DATA

FDC - Radiated Sound Power Levels

Unit Size	Inlet Size Inch	Primary Airflow		Fan Airflow		Sound Power Levels, Lw, dB re 10^{-12} Watts																					
						Fan Only Octave Band						Primary Air															
												0.5 in. w.g. Octave Band						1.0 in w.g. Octave Band						1.5 in 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	2	3	4	5	6	7
		118	250	118	250	51	43	38	30	27	21	55	46	40	38	39	35	56	48	43	41	44	42	56	49	44	42	47	47
		189	400	189	400	54	47	41	34	31	25	60	52	45	42	42	39	61	54	48	45	47	46	62	55	49	46	50	50
10	8	260	550	260	550	60	52	46	40	37	32	64	56	48	45	45	41	65	58	51	47	49	49	66	59	52	49	52	53
		330	700	330	700	63	57	50	45	42	37	67	59	51	47	46	43	68	61	53	49	51	50	69	62	55	51	54	55
		425	900	425	900	68	61	54	50	47	43	70	62	53	49	48	45	71	64	56	52	53	52	72	66	57	53	55	57
		189	400	189	400	55	45	39	30	26	20	58	51	44	41	40	37	60	54	48	44	44	44	61	55	50	46	47	48
		283	600	283	600	58	50	43	35	31	26	62	55	48	44	43	41	64	58	52	48	48	48	65	60	54	49	50	52
20	8	378	800	378	800	61	54	46	39	35	31	65	58	51	47	45	44	67	61	54	50	50	51	68	63	57	52	53	55
		425	900	425	900	62	55	47	40	37	33	66	59	52	48	46	46	68	62	56	51	51	52	69	64	58	53	54	56
		519	1100	519	1100	64	57	49	43	39	36	68	61	54	50	48	48	70	64	57	53	53	54	71	66	60	55	55	58
		189	400	189	400	55	45	39	30	26	20	56	49	42	39	38	35	59	52	46	43	44	43	60	54	49	45	47	47
		283	600	283	600	58	50	43	35	31	26	60	52	45	41	41	38	62	55	49	45	47	46	63	57	51	47	50	50
20	10	378	800	378	800	61	54	46	39	35	31	62	54	46	42	43	41	64	58	50	46	48	48	65	59	53	49	52	53
		425	900	425	900	62	55	47	40	37	33	63	55	47	43	44	42	65	58	51	47	49	49	66	60	53	50	53	54
		519	1100	519	1100	64	57	49	43	39	36	64	57	48	44	45	44	66	60	52	48	51	51	68	62	55	51	54	56
		236	500	236	500	58	49	42	31	27	24	58	51	44	40	40	37	61	54	48	44	45	44	62	56	50	46	49	49
		378	800	378	800	63	55	48	39	35	32	62	54	46	42	43	41	64	58	50	46	48	48	65	59	53	49	52	53
30	10	472	1000	472	1000	66	58	51	42	39	36	63	56	48	43	44	43	66	59	52	48	50	50	67	61	54	50	53	55
		614	1300	614	1300	68	61	54	47	44	41	65	58	49	45	46	45	68	61	53	49	52	53	69	63	56	51	55	57
		708	1500	708	1500	70	63	55	49	46	43	66	59	50	46	47	46	69	62	54	50	53	54	70	64	57	52	56	58
		236	500	236	500	58	49	42	31	27	24	57	50	43	40	40	36	59	53	47	44	45	44	60	54	49	47	49	49
		378	800	378	800	63	55	48	39	35	32	62	55	47	43	43	40	63	58	51	47	49	48	64	59	53	49	52	53
30	12	472	1000	472	1000	66	58	51	42	39	36	64	57	49	44	44	41	66	60	53	48	50	50	67	62	55	51	54	54
		614	1300	614	1300	68	61	54	47	44	41	67	60	51	46	46	43	68	63	55	50	52	52	69	65	57	52	55	57
		708	1500	708	1500	70	63	55	49	46	43	68	62	52	47	47	45	70	65	56	51	53	53	71	66	58	53	56	58
		330	700	330	700	58	52	48	37	33	29	60	54	46	42	42	38	62	56	50	46	48	47	63	58	52	49	51	52
		566	1200	566	1200	66	61	54	47	43	40	66	59	50	45	45	43	68	62	54	49	51	51	69	64	56	52	55	56
40	12	708	1500	708	1500	70	65	56	51	47	44	68	62	52	47	47	45	70	65	56	51	53	53	71	66	58	53	56	58
		850	1800	850	1800	73	68	58	55	50	47	70	64	54	48	48	46	72	67	57	52	54	54	73	68	60	54	58	59
		944	2000	944	2000	74	70	59	57	52	49	71	65	55	48	49	47	73	68	58	52	55	55	74	69	60	55	58	60
		330	700	330	700	58	52	48	37	33	29	58	53	48	42	39	35	61	56	50	45	43	41	62	57	51	47	45	45
		566	1200	566	1200	66	61	54	47	43	40	65	61	53	46	43	40	68	63	55	50	48	46	69	64	57	51	50	50
40	14	708	1500	708	1500	70	65	56	51	47	44	68	64	55	48	45	42	71	66	57	51	50	49	72	68	59	53	52	52
		850	1800	850	1800	73	68	58	55	50	47	71	66	57	49	47	44	73	69	59	53	51	50	75	70	60	55	54	54
		944	2000	944	2000	74	70	59	57	52	49	72	68	58	50	48	45	75	70	60	54	52	52	76	72	61	56	55	55
		472	1000	472	1000	59	50	47	38	34	29	64	56	50	46	46	34	65	59	53	50	52	50	66	61	55	52	55	55
		661	1400	661	1400	66	57	52	45	41	36	67	59	52	48	48	37	68	62	55	52	54	53	69	64	57	54	57	57
50	14	802	1700	802	1700	69	62	54	48	45	41	68	60	53	49	49	38	70	63	56	53	55	54	70	65	58	55	58	59
		991	2100	991	2100	73	66	58	52	49	46	70	62	55	50	51	40	71	65	58	54	56	56	72	67	59	56	59	60
		1085	2300	1085	2300	75	68	59	54	51	48	71	63	55	50	51	40	72	66	58	54	56	56	73	68	60	56	60	61
		519	1100	519	1100	59	54	47	35	33	29	60	56	49	41	38	36	63	58	52	44	42	39	64	60	54	46	44	41
		802	1700	802	1700	66	61	53	43	41	39	67	63	54	47	45	43	70	66	58	50	48	47	72	67	60	52	50	49
60	16	1085	2300	1085	2300	71	66	58	48	47	46	73	68	58	51	49	48	75	71	62	54	53	52	77	72	63	56	55	54
		1321	2800	1321	2800	74	69	60	52	50	50	76	71	61	54	52	51	79	74	64	57	56	55	80	76	66	59	58	57
		1652	3500	1652	3500	78	73	63	56	55	55	80	75	64	57	56	55	83	78	67	60	59	59	84	79	69	62	61	61

Performance Notes:

1. Test data obtained in accordance with AHRI Standard 880-2017 and ASHRAE Standard 130-2016.
2. Data does not include corrections for Room Absorption, duct attenuation, or ceiling transmission loss.
3. Sound power levels include duct end corrections per AHRI Standard 880-2017. Please refer to the Engineering Guide for more details.
4. Fan external static pressure is 0.25 in. w.g. in all cases.
5. AHRI certified data is highlighted in blue. All other data are application ratings.

PERFORMANCE DATA

FDC - Discharge Sound Power Levels

Unit Size	Inlet Size Inch	Primary Airflow		Fan Airflow		Sound Power Levels, Lw, dB re 10^{-12} Watts																							
						Fan Only Octave Band						Primary Air																	
												0.75 in w.g. Octave Band						1.0 in w.g. Octave Band						1.5 in 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	2	3	4	5	6	7
10	8	118	250	118	250	57	54	55	49	47	40	58	55	55	49	45	38	59	55	56	49	45	39	60	56	56	50	46	39
		189	400	189	400	64	60	60	56	54	48	65	61	60	56	52	48	65	62	60	56	53	48	66	63	61	57	53	48
		260	550	260	550	70	66	65	63	60	55	69	66	63	61	57	54	70	66	63	61	57	54	71	67	64	61	58	55
		330	700	330	700	74	70	68	67	64	61	73	69	65	64	61	59	73	70	66	64	61	59	74	71	66	65	61	59
		425	900	425	900	78	75	72	72	69	66	76	73	68	68	65	64	77	73	68	68	65	64	78	74	69	68	65	65
20	8	189	400	189	400	62	57	53	50	45	39	62	56	54	49	45	39	62	57	54	49	45	39	64	58	54	49	46	39
		283	600	283	600	66	62	58	55	51	47	66	61	58	54	50	46	67	61	58	54	51	46	68	62	58	54	51	46
		378	800	378	800	68	65	61	59	56	53	70	64	61	57	54	51	71	65	61	58	54	51	72	66	61	58	54	51
		425	900	425	900	69	66	63	61	57	55	71	65	62	59	56	53	72	66	62	59	56	53	73	67	62	59	56	53
		519	1100	519	1100	71	68	65	64	60	59	73	67	64	61	58	56	74	68	64	61	58	56	75	69	64	61	58	56
20	10	189	400	189	400	62	57	53	50	45	39	61	58	55	51	46	41	62	59	55	51	47	41	63	59	55	51	47	41
		283	600	283	600	66	62	58	55	51	47	66	62	58	55	51	47	66	62	58	55	51	47	67	63	58	55	51	47
		378	800	378	800	68	65	61	59	56	53	68	64	60	58	54	51	69	65	60	58	54	51	70	66	60	58	54	51
		425	900	425	900	69	66	63	61	57	55	70	65	61	59	55	52	70	66	61	59	55	53	71	67	61	59	55	53
		519	1100	519	1100	71	68	65	64	60	59	72	67	63	61	57	55	72	68	63	61	58	55	73	68	63	61	58	56
30	10	236	500	236	500	61	57	54	50	45	40	64	60	57	53	49	44	64	61	57	53	49	44	65	61	57	53	49	44
		378	800	378	800	69	65	62	59	55	52	68	64	60	58	54	51	69	65	60	58	54	51	70	66	60	58	54	51
		472	1000	472	1000	72	69	65	63	60	57	71	66	62	60	56	54	71	67	62	60	57	54	72	68	62	60	57	54
		614	1300	614	1300	77	73	69	68	65	64	73	69	64	63	59	58	74	69	64	63	59	58	75	70	64	63	59	58
		708	1500	708	1500	79	76	72	71	68	68	75	70	65	64	61	60	75	70	65	64	61	60	76	71	65	64	61	60
30	12	236	500	236	500	61	57	54	50	45	40	62	57	54	50	45	40	62	57	54	50	45	40	63	58	54	50	45	41
		378	800	378	800	69	65	62	59	55	52	68	63	60	57	53	51	69	64	61	58	53	51	70	65	61	58	54	51
		472	1000	472	1000	72	69	65	63	60	57	71	67	64	61	57	56	72	67	64	61	57	56	73	68	64	61	58	56
		614	1300	614	1300	77	73	69	68	65	64	74	70	68	65	62	61	75	71	68	66	62	62	76	71	68	66	62	62
		708	1500	708	1500	79	76	72	71	68	68	76	72	70	68	65	65	77	73	70	68	65	65	78	73	70	68	65	65
40	12	330	700	330	700	66	62	61	57	53	49	66	62	59	55	51	48	67	62	59	55	51	48	68	63	59	55	51	48
		566	1200	566	1200	75	71	68	66	63	61	73	69	66	64	61	60	74	70	66	64	61	60	75	70	66	64	61	60
		708	1500	708	1500	78	75	71	70	67	66	76	72	70	68	65	65	77	73	70	68	65	65	78	73	70	68	65	65
		850	1800	850	1800	81	78	73	74	71	71	79	75	72	71	68	69	80	75	72	71	68	69	81	76	72	71	68	69
		944	2000	944	2000	82	80	75	75	73	73	80	76	74	73	70	71	81	77	74	73	70	71	82	77	74	73	70	71
40	14	330	700	330	700	66	62	61	57	53	49	64	60	61	56	52	48	64	60	61	56	52	48	65	61	61	57	52	49
		566	1200	566	1200	75	71	68	66	63	61	71	68	67	65	61	59	72	69	67	65	61	59	72	69	67	65	62	59
		708	1500	708	1500	78	75	71	70	67	66	74	72	70	68	65	63	75	72	70	68	65	64	75	72	70	68	65	64
		850	1800	850	1800	81	78	73	74	71	71	77	75	72	71	68	67	77	75	72	71	68	67	78	75	72	71	68	67
		944	2000	944	2000	82	80	75	75	73	73	78	76	73	72	70	69	79	77	73	73	70	69	79	77	73	73	70	70
50	14	472	1000	472	1000	67	60	60	58	54	50	68	62	61	59	55	52	69	62	61	59	55	52	69	63	61	59	56	52
		661	1400	661	1400	73	66	65	64	61	58	72	66	64	64	60	58	73	66	65	64	60	58	73	67	65	64	61	59
		802	1700	802	1700	77	70	68	68	65	63	75	68	66	66	63	62	75	69	67	66	63	62	76	70	67	67	63	62
		991	2100	991	2100	81	74	71	72	69	68	77	71	69	69	66	66	78	72	69	69	66	66	78	72	69	69	67	66
		1085	2300	1085	2300	83	76	72	73	71	70	78	72	70	70	67	68	79	73	70	70	68	68	79	74	70	71	68	68
60	16	519	1100	519	1100	59	55	56	52	50	45	61	55	56	55	52	48	62	56	57	55	52	49	64	57	57	56	53	50
		802	1700	802	1700	66	63	63	61	58	56	70	63	64	63	61	58	70	64	64	64	61	59	72	65	65	64	62	59
		1085	2300	1085	2300	72	68	68	66	64	63	75	69	69	69	67	65	76	70	69	69	67	65	77	71	70	70	68	66
		1321	2800	1321	2800	75	72	71	70	68	67	79	73	72	73	71	69	80	74	73	73	72	70	81	75	73	74	72	71
		1652	3500	1652	3500	79	76	75	75	73	73	83	77	76	77	76	74	84	78	76	77	76	75	85	79	77	78	77	76

Performance Notes:

1. Test data obtained in accordance with AHRI Standard 880-2017 and ASHRAE Standard 130-2016.
2. Sound power levels include duct end corrections per AHRI Standard 880-2017. Please refer to the Engineering Guide for more details.
3. Fan external static pressure is 0.25 in. w.g. in all cases.
4. AHRI certified data is highlighted in blue. All other data are application ratings.

PERFORMANCE DATA

FDC with Inlet Attenuator (IAS) - AHRI Certification Rating Points

Discharge Sound Power Level

Unit Size	Fan[2] cfm	Input[3] (W)	Min. Δ Ps Inlet[4] (in. w.g.)	Discharge Sound Power Level (dB) Fan Only[5] Octave Band 2	3	4	5	6
1008	700	180	0.21	74	72	68	70	65
2010	1100	230	0.11	71	68	65	63	60
3012	1500	460	0.10	78	75	71	72	67
4014	1800	580	0.07	81	79	75	75	72
5014	2100	600	0.10	80	74	71	71	69
6014	2800	580	0.08	73	72	72	70	68

Radiated Sound Power Level

Unit Size	Primary[1] (cfm)	Fan[2] cfm	Input[3] (W)	Min. Δ Ps Inlet[4] (in. w.g.)	Radiated Sound Power Level (dB) Fan Only[5] Octave Band 2	3	4	5	6	7	1.5 in Inlet Static w.g. Octave Band 2	3	4	5	6	7
1008	700	700	155	0.21	64	58	50	46	40	34	67	61	51	44	42	42
2010	1100	1100	200	0.11	62	55	47	42	37	32	67	60	50	42	41	41
3012	1500	1500	425	0.10	69	62	52	48	45	41	70	64	53	47	45	44
4014	1800	1800	580	0.07	72	65	56	50	47	44	74	68	57	51	49	46
5014	2100	2100	600	0.10	72	63	54	48	44	40	72	64	55	49	47	46
6014	2800	2800	580	0.08	72	66	55	47	43	41	80	73	61	53	51	49

AHRI Certification Notes:

1. Primary CFM is the standard rated air volume for the inlet.
2. Fan CFM is the maximum rated fan volume at 0.25" w.g. downstream static pressure.
3. Input watts is the maximum electrical power input at the maximum rated fan volume.
4. Minimum operating pressure inlet is the minimum operating pressure requirement of the primary air valve at the rated primary CFM.
5. Fan only sound power levels are at the maximum rated fan volume.
6. Sound power levels include duct end corrections per AHRI Standard 880-2017. Please refer to the Engineering Guide for more details.

PERFORMANCE DATA

FDC with Inlet Attenuator (IAS) - Radiated Sound Power Levels

Unit Size	Inlet Size Inch	Primary Airflow		Fan Airflow		Sound Power Levels, Lw, dB re 10^{-12} Watts																							
						Fan Only Octave Band						Primary Air																	
												0.5 in w.g. Octave Band						1.0 in w.g. Octave Band						1.5 in 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	2	3	4	5	6	7
10	8	118	250	118	250	49	43	38	32	26	20	52	46	38	32	31	28	54	48	40	33	34	32	54	49	41	34	35	35
		189	400	189	400	50	45	39	33	27	22	58	51	43	37	34	31	59	53	45	38	37	36	60	54	46	39	38	38
		260	550	260	550	58	52	45	40	34	29	62	55	46	40	36	33	63	57	48	41	39	38	64	58	49	42	40	40
		330	700	330	700	64	58	50	46	40	34	65	58	48	42	38	35	66	60	50	43	40	39	67	61	51	44	42	42
		425	900	425	900	69	64	54	51	45	39	68	61	51	45	39	36	69	63	53	46	42	41	70	64	54	47	43	44
20	8	189	400	189	400	51	43	36	27	23	18	57	49	40	33	28	24	59	52	44	37	32	30	60	54	46	38	35	34
		283	600	283	600	56	48	40	33	29	24	60	53	44	37	31	28	62	56	47	40	35	34	64	58	50	42	38	38
		378	800	378	800	59	51	43	37	33	28	63	56	47	40	33	31	65	59	50	43	38	37	66	61	52	45	40	41
		425	900	425	900	60	53	45	39	34	30	64	58	48	41	34	32	66	61	51	44	39	39	68	62	53	46	41	42
		519	1100	519	1100	62	55	47	42	37	32	66	60	50	42	36	34	68	63	53	46	40	41	69	65	55	47	43	44
20	10	189	400	189	400	51	43	36	27	23	18	55	48	40	33	27	24	57	51	42	35	31	29	59	53	44	36	33	33
		283	600	283	600	56	48	40	33	29	24	58	51	42	35	30	27	60	54	45	37	34	33	62	56	46	39	36	36
		378	800	378	800	59	51	43	37	33	28	60	53	44	37	32	30	63	56	46	39	36	35	64	58	48	40	39	38
		425	900	425	900	60	53	45	39	34	30	61	54	44	37	33	31	63	57	47	40	37	36	65	59	48	41	39	39
		519	1100	519	1100	62	55	47	42	37	32	62	55	46	39	35	32	65	58	48	41	39	38	67	60	50	42	41	41
30	10	236	500	236	500	54	45	37	29	24	22	57	49	40	33	29	25	59	52	43	37	35	33	61	54	46	39	38	37
		378	800	378	800	60	52	43	37	33	30	61	52	42	35	32	29	63	55	46	39	38	37	64	57	49	42	41	41
		472	1000	472	1000	63	56	47	41	37	34	62	54	44	36	34	31	65	57	48	41	39	39	66	59	50	43	43	43
		614	1300	614	1300	67	60	50	45	42	38	64	56	45	38	35	33	67	59	49	42	41	41	68	61	52	44	44	45
		708	1500	708	1500	69	62	52	48	45	41	65	57	46	39	36	34	68	60	50	43	42	42	69	62	52	45	45	46
30	12	236	500	236	500	54	45	37	29	24	22	56	49	41	34	31	28	58	51	42	36	34	32	58	52	43	37	36	35
		378	800	378	800	60	52	43	37	33	30	61	54	45	38	34	32	62	56	47	40	38	36	63	57	48	41	40	39
		472	1000	472	1000	63	56	47	41	37	34	63	56	47	40	36	33	65	58	49	42	40	38	66	59	50	43	42	40
		614	1300	614	1300	67	60	50	45	42	38	66	59	49	42	38	35	67	61	51	44	42	40	68	62	52	45	44	42
		708	1500	708	1500	69	62	52	48	45	41	67	60	51	44	39	37	69	62	53	46	43	41	70	64	53	47	45	44
40	12	330	700	330	700	57	49	41	34	30	22	57	49	41	34	30	22	61	54	48	42	43	40	62	55	51	45	46	44
		566	1200	566	1200	65	58	50	43	40	34	65	58	50	43	40	34	67	60	53	45	47	44	68	61	55	48	50	49
		708	1500	708	1500	69	62	53	47	44	40	69	62	53	47	44	40	69	62	55	47	48	46	70	64	57	49	52	51
		850	1800	850	1800	72	65	56	50	47	44	72	65	56	50	47	44	71	64	56	48	49	47	72	66	58	50	53	52
		944	2000	944	2000	73	67	57	52	49	46	73	67	57	52	49	46	72	65	57	48	50	48	73	67	59	51	53	53
40	14	330	700	330	700	57	49	41	34	30	22	58	50	46	36	31	28	60	53	48	38	34	31	61	54	49	39	35	33
		566	1200	566	1200	65	58	50	43	40	34	65	58	51	43	39	35	67	60	53	45	42	39	69	62	54	46	43	41
		708	1500	708	1500	69	62	53	47	44	40	68	61	53	45	42	38	70	64	55	47	45	42	72	65	56	48	46	44
		850	1800	850	1800	72	65	56	50	47	44	70	64	54	48	45	41	73	66	56	50	47	44	74	68	57	51	49	46
		944	2000	944	2000	73	67	57	52	49	46	72	65	55	49	46	42	74	68	57	51	49	45	75	69	58	52	50	47
50	14	472	1000	472	1000	58	47	41	33	29	25	62	53	48	40	36	40	63	55	49	41	39	37	63	56	50	42	41	40
		661	1400	661	1400	64	54	47	40	36	32	65	56	51	43	39	43	66	58	52	44	42	40	67	59	52	46	43	43
		802	1700	802	1700	68	58	50	44	40	36	68	58	52	44	40	45	69	60	53	46	43	42	69	61	54	47	45	45
		991	2100	991	2100	72	63	54	48	44	40	70	60	54	46	42	47	71	62	55	48	45	44	72	64	55	49	47	46
		1085	2300	1085	2300	73	64	56	50	46	42	71	61	54	47	43	47	72	63	55	49	46	45	73	65	56	50	48	47
60	16	519	1100	519	1100	58	51	43	31	25	22	60	53	44	36	33	30	62	56	47	39	37	35	64	57	49	41	39	37
		802	1700	802	1700	64	58	49	38	33	31	67	60	50	42	38	35	70	63	53	45	42	40	71	64	54	47	45	43
		1085	2300	1085	2300	69	63	53	44	39	37	72	65	54	46	42	39	75	68	57	49	46	44	76	70	59	51	49	47
		1321	2800	1321	2800	72	66	55	47	43	41	75	69	57	49	44	42	78	71	60	52	49	47	80	73	61	53	51	49
		1652	3500	1652	3500	75	70	58	51	47	46	79	72	60	52	47	45	82	75	63	55	51	49	83	76	64	56	54	52

Performance Notes:

1. Test data obtained in accordance with AHRI Standard 880-2017 and ASHRAE Standard 130-2016.
2. Data does not include corrections for Room Absorption, duct attenuation, or ceiling transmission loss.
3. Sound power levels include duct end corrections per AHRI Standard 880-2017. Please refer to the Engineering Guide for more details.
4. Fan external static pressure is 0.25 in. w.g. in all cases.
5. AHRI certified data is highlighted in blue. All other data are application ratings.

PERFORMANCE DATA

FDC with Inlet Attenuator (IAS) - Discharge Sound Power Levels

Unit Size	Inlet Size Inch	Primary Airflow		Fan Airflow		Sound Power Levels, Lw, dB re 10^{-12} Watts																							
						Fan Only Octave Band						Primary Air																	
												0.75 in w.g. Octave Band						1.0 in w.g. Octave Band						1.5 in 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	2	3	4	5	6	7
10	8	118	250	118	250	57	54	53	51	48	41	58	55	55	49	45	38	59	55	56	49	45	39	60	56	56	50	46	39
		189	400	189	400	63	60	58	57	54	48	65	61	60	56	52	48	65	62	60	56	53	48	66	63	61	57	53	48
		260	550	260	550	70	67	64	65	60	56	69	66	63	61	57	54	70	66	63	61	57	54	71	67	64	61	58	55
		330	700	330	700	74	72	68	70	65	62	73	69	65	64	61	59	73	70	66	64	61	59	74	71	66	65	61	59
		425	900	425	900	80	77	73	76	70	68	76	73	68	68	65	64	77	73	68	68	65	64	78	74	69	68	65	65
20	8	189	400	189	400	63	59	55	52	47	42	62	56	54	49	45	39	62	57	54	49	45	39	64	58	54	49	46	39
		283	600	283	600	65	62	58	55	51	46	66	61	58	54	50	46	67	61	58	54	51	46	68	62	58	54	51	46
		378	800	378	800	68	65	61	59	55	52	70	64	61	57	54	51	71	65	61	58	54	51	72	66	61	58	54	51
		425	900	425	900	69	66	63	60	57	54	71	65	62	59	56	53	72	66	62	59	56	53	73	67	62	59	56	53
		519	1100	519	1100	71	68	65	63	60	58	73	67	64	61	58	56	74	68	64	61	58	56	75	69	64	61	58	56
20	10	189	400	189	400	63	59	55	52	47	42	61	58	55	51	46	41	62	59	55	51	47	41	63	59	55	51	47	41
		283	600	283	600	65	62	58	55	51	46	66	62	58	55	51	47	66	62	58	55	51	47	67	63	58	55	51	47
		378	800	378	800	68	65	61	59	55	52	68	64	60	58	54	51	69	65	60	58	54	51	70	66	60	58	54	51
		425	900	425	900	69	66	63	60	57	54	70	65	61	59	55	52	70	66	61	59	55	53	71	67	61	59	55	53
		519	1100	519	1100	71	68	65	63	60	58	72	67	63	61	57	55	72	68	63	61	58	55	73	68	63	61	58	56
30	10	236	500	236	500	62	58	55	51	47	42	64	60	57	53	49	44	64	61	57	53	49	44	65	61	57	53	49	44
		378	800	378	800	69	66	62	60	56	52	68	64	60	58	54	51	69	65	60	58	54	51	70	66	60	58	54	51
		472	1000	472	1000	72	69	65	64	60	57	71	66	62	60	56	54	71	67	62	60	57	54	72	68	62	60	57	54
		614	1300	614	1300	76	73	69	69	65	64	73	69	64	63	59	58	74	69	64	63	59	58	75	70	64	63	59	58
		708	1500	708	1500	78	75	71	72	67	67	75	70	65	64	61	60	75	70	65	64	61	60	76	71	65	64	61	60
30	12	236	500	236	500	62	58	55	51	47	42	62	57	54	50	45	40	62	57	54	50	45	40	63	58	54	50	45	41
		378	800	378	800	69	66	62	60	56	52	68	63	60	57	53	51	69	64	61	58	53	51	70	65	61	58	54	51
		472	1000	472	1000	72	69	65	64	60	57	71	67	64	61	57	56	72	67	64	61	57	56	73	68	64	61	58	56
		614	1300	614	1300	76	73	69	69	65	64	74	70	68	65	62	61	75	71	68	66	62	62	76	71	68	66	62	62
		708	1500	708	1500	78	75	71	72	67	67	76	72	70	68	65	65	77	73	70	68	65	65	78	73	70	68	65	65
40	12	330	700	330	700	65	61	59	56	52	49	66	62	59	55	51	48	67	62	59	55	51	48	68	63	59	55	51	48
		566	1200	566	1200	74	71	68	67	63	62	73	69	66	64	61	60	74	70	66	64	61	60	75	70	66	64	61	60
		708	1500	708	1500	78	75	72	72	68	67	76	72	70	68	65	65	77	73	70	68	65	65	78	73	70	68	65	65
		850	1800	850	1800	81	79	75	75	72	72	79	75	72	71	68	69	80	75	72	71	68	69	81	76	72	71	68	69
		944	2000	944	2000	83	81	76	78	74	74	80	76	74	73	70	71	81	77	74	73	70	71	82	77	74	73	70	71
40	14	330	700	330	700	65	61	59	56	52	49	64	60	61	56	52	48	64	60	61	56	52	48	65	61	61	57	52	49
		566	1200	566	1200	74	71	68	67	63	62	71	68	67	65	61	59	72	69	67	65	61	59	72	69	67	65	62	59
		708	1500	708	1500	78	75	72	72	68	67	74	72	70	68	65	63	75	72	70	68	65	64	75	72	70	68	65	64
		850	1800	850	1800	81	79	75	75	72	72	77	75	72	71	68	67	77	75	72	71	68	67	78	75	72	71	68	67
		944	2000	944	2000	83	81	76	78	74	74	78	76	73	72	70	69	79	77	73	73	70	69	79	77	73	73	70	70
50	14	472	1000	472	1000	65	58	59	56	52	48	68	62	61	59	55	52	69	62	61	59	55	52	69	63	61	59	56	52
		661	1400	661	1400	72	66	64	63	60	57	72	66	64	64	60	58	73	66	65	64	60	58	73	67	65	64	61	59
		802	1700	802	1700	76	70	68	67	64	62	75	68	66	66	63	62	75	69	67	66	63	62	76	70	67	67	63	62
		991	2100	991	2100	80	74	71	71	69	67	77	71	69	69	66	66	78	72	69	69	66	66	78	72	69	69	67	66
		1085	2300	1085	2300	82	76	73	73	71	69	78	72	70	70	67	68	79	73	70	70	68	68	79	74	70	71	68	68
60	16	519	1100	519	1100	59	55	56	52	49	45	61	55	56	55	52	48	62	56	57	55	52	49	64	57	57	56	53	50
		802	1700	802	1700	66	63	63	60	58	55	70	63	64	63	61	58	70	64	64	64	61	59	72	65	65	64	62	59
		1085	2300	1085	2300	70	68	68	66	64	62	75	69	69	69	67	65	76	70	69	69	67	65	77	71	70	70	68	66
		1321	2800	1321	2800	73	72	72	70	68	67	79	73	72	73	71	69	80	74	73	73	72	70	81	75	73	74	72	71
		1652	3500	1652	3500	77	75	75	74	72	72	83	77	76	77	76	74	84	78	76	77	76	75	85	79	77	78	77	76

Performance Notes:

1. Test data obtained in accordance with AHRI Standard 880-2017 and ASHRAE Standard 130-2016.
2. Data does not include corrections for Room Absorption, duct attenuation, or ceiling transmission loss.
3. Sound power levels include duct end corrections per AHRI Standard 880-2017. Please refer to the Engineering Guide for more details.
4. Fan external static pressure is 0.25 in. w.g. in all cases.
5. AHRI certified data is highlighted in blue. All other data are application ratings.

PERFORMANCE DATA

FDC - 1 and 2 Row Hot Water Coil Data

Size 10 Standard Capacity

Rows	Coil gpm	HD Loss	Airflow Rate (cfm)						
			250	350	450	550	650	750	850
1 Row Multi Circuit	0.5	0.21	7.30	8.20	8.70	9.20	9.60	9.80	10.10
	1	0.73	9.20	10.70	11.60	12.50	13.10	13.70	14.20
	2	2.53	10.70	12.60	14.10	15.30	16.30	17.10	17.90
	3	5.25	11.20	13.30	15.00	16.40	17.50	18.50	19.60
	Through the Coil, ΔPs		0.04	0.07	0.10	0.14	0.18	0.23	0.28
2 Row Multi Circuit	0.5	0.05	11.90	13.30	14.10	14.80	15.30	15.70	
	1	0.17	15.40	17.70	19.50	20.80	21.90	22.80	
	2	0.60	18.10	21.70	24.40	26.60	28.40	30.00	
	3	1.25	19.20	23.30	26.60	29.30	31.60	33.50	
	Through the Coil, ΔPs		0.08	0.15	0.22	0.31	0.41	0.51	

Size 10 High Capacity

Rows	Coil gpm	HD Loss	Airflow Rate (cfm)						
			250	350	450	550	650	750	850
1 Row Multi Circuit	0.5	0.29	8.90	9.90	10.50	11.00	11.50	11.70	12.10
	1	0.99	11.80	13.50	14.80	15.90	16.80	17.30	17.90
	2	3.43	14.10	16.60	18.70	20.30	21.70	22.90	24.00
	3	7.12	15.00	17.90	20.30	22.30	24.00	25.40	26.60
	Through the Coil, ΔPs		0.03	0.05	0.07	0.10	0.13	0.16	0.20
2 Row Multi Circuit	0.5	0.07	13.90	15.40	16.40	17.10	17.70	18.10	
	1	0.22	18.50	21.50	23.70	25.40	26.70	27.70	
	2	0.76	22.20	27.00	30.70	33.70	36.10	38.30	
	3	1.58	23.70	29.30	33.90	37.70	40.80	43.50	
	Through the Coil, ΔPs		0.06	0.11	0.16	0.22	0.29	0.36	

Size 20 Standard Capacity

Rows	Coil gpm	HD Loss	Airflow Rate (cfm)						
			450	550	650	750	850	950	1050
1 Row Multi Circuit	0.5	0.04	10.30	10.80	11.30	11.60	11.80	12.00	12.30
	1	0.15	14.30	15.30	16.30	16.90	17.40	17.90	18.50
	2	0.50	18.10	19.80	21.20	22.50	23.40	24.50	25.20
	3	1.05	19.80	21.90	23.60	25.20	26.60	27.70	28.70
	Through the Coil, ΔPs		0.03	0.05	0.06	0.08	0.09	0.11	0.13
2 Row Multi Circuit	0.5	0.08	16.60	17.50	18.00	18.50	19.00	19.20	19.50
	1	0.27	23.90	25.70	27.10	28.30	29.30	30.10	30.90
	2	0.94	30.60	33.80	36.50	38.70	40.70	42.30	43.80
	3	1.95	33.70	37.60	41.10	44.00	46.50	48.70	50.80
	Through the Coil, ΔPs		0.07	0.10	0.13	0.17	0.21	0.25	0.29

For performance notes, see end of section.

PERFORMANCE DATA

FDC - 1 and 2 Row Hot Water Coil Data

Size 20 High Capacity

Rows	Coil gpm	HD Loss	Airflow Rate (cfm)						
			450	550	650	750	850	950	1050
1 Row Multi Circuit	0.5	0.46	12.20	12.80	13.20	13.60	14.00	14.10	14.30
	1	1.59	18.00	19.30	20.30	21.20	21.90	22.50	23.00
	2	5.50	23.60	25.80	27.60	29.20	30.60	31.90	33.00
	3	11.42	26.20	29.00	31.30	33.40	35.20	36.90	38.40
	Through the Coil, ΔPs		0.02	0.03	0.04	0.05	0.07	0.08	0.09
2 Row Multi Circuit	0.5	0.10	18.60	19.40	20.00	20.50	20.80	21.10	21.40
	1	0.34	27.90	29.90	31.50	32.70	33.80	34.70	35.50
	2	1.17	36.80	40.80	44.10	46.80	49.20	51.20	53.10
	3	2.42	41.00	46.00	50.40	54.20	57.50	60.50	63.10
	Through the Coil, ΔPs		0.05	0.07	0.10	0.12	0.15	0.18	0.21

Size 30 Standard Capacity

Rows	Coil gpm	HD Loss	Airflow Rate (cfm)						
			850	950	1050	1150	1250	1350	1450
1 Row Multi Circuit	1	0.15	17.40	17.90	18.50	18.80	19.10	19.60	19.80
	2	0.50	23.40	24.50	25.20	25.90	26.60	27.20	27.80
	4	1.76	28.30	29.60	30.90	32.00	33.00	34.00	34.90
	6	3.69	30.20	31.70	33.10	34.50	35.70	36.80	38.00
	Through the Coil, ΔPs		0.09	0.11	0.13	0.15	0.18	0.20	0.23
2 Row Multi Circuit	1	0.27	29.30	30.10	30.90	31.40	32.00	32.50	
	2	0.94	40.70	42.30	43.80	45.20	46.40	47.50	
	4	3.27	49.90	52.70	55.00	57.20	59.20	61.10	
	6	6.82	53.70	56.80	59.60	62.30	64.70	67.00	
	Through the Coil, ΔPs		0.21	0.25	0.30	0.35	0.40	0.45	

Size 30 High Capacity

Rows	Coil gpm	HD Loss	Airflow Rate (cfm)						
			850	950	1050	1150	1250	1350	1450
1 Row Multi Circuit	0.5	0.46	14.00	14.10	14.30	14.50	14.70	14.90	14.90
	1	1.59	21.90	22.50	23.00	23.60	23.90	24.40	24.70
	2	5.50	30.60	31.90	33.00	34.00	34.90	35.80	36.40
	3	11.42	35.20	36.90	38.40	39.70	40.90	42.00	43.00
	Through the Coil, ΔPs		0.07	0.08	0.09	0.11	0.13	0.14	0.16
2 Row Multi Circuit	1	0.34	33.80	34.70	35.50	36.20	36.70	37.20	
	2	1.17	49.20	51.20	53.10	54.70	56.10	57.50	
	4	4.07	62.60	66.20	69.50	72.50	75.10	77.60	
	6	8.48	68.40	72.70	76.70	80.50	83.80	87.00	
	Through the Coil, ΔPs		0.15	0.18	0.22	0.25	0.29	0.32	

For performance notes, see end of section.

PERFORMANCE DATA

FDC - 1 and 2 Row Hot Water Coil Data

Size 40 Standard Capacity

Rows	Coil gpm	HD Loss	Airflow Rate (cfm)							
			1150	1250	1350	1450	1550	1650	1750	1850
1 Row Multi Circuit	1	0.15	18.80	19.10	19.60	19.80	20.00	20.30	20.60	20.80
	2	0.50	25.90	26.60	27.20	27.80	28.40	28.90	29.30	29.80
	4	1.76	32.00	33.00	34.00	34.90	35.80	36.60	37.30	38.10
	6	3.69	34.50	35.70	36.80	38.00	38.90	39.80	40.70	41.70
	Through the Coil, ΔPs		0.15	0.18	0.20	0.23	0.25	0.28	0.31	0.34
2 Row Multi Circuit	1	0.27	31.40	32.00	32.50	33.00	33.40	33.80		
	2	0.94	45.20	46.40	47.50	48.50	49.50	50.30		
	4	3.27	57.20	59.20	61.10	62.90	64.50	66.00		
	6	6.82	62.30	64.70	67.00	69.10	71.10	73.00		
	Through the Coil, ΔPs		0.35	0.40	0.45	0.51	0.56	0.63		

Size 40 High Capacity

Rows	Coil gpm	HD Loss	Airflow Rate (cfm)							
			1150	1250	1350	1450	1550	1650	1750	1850
1 Row Multi Circuit	0.5	0.46	14.50	14.70	14.90	14.90	15.10	15.30	15.30	15.30
	1	1.59	23.60	23.90	24.40	24.70	24.90	25.30	25.60	25.70
	2	5.50	34.00	34.90	35.80	36.40	37.00	37.80	38.30	38.80
	3	11.42	39.70	40.90	42.00	43.00	44.00	44.80	45.70	46.40
	Through the Coil, ΔPs		0.11	0.13	0.14	0.16	0.18	0.20	0.22	0.24
2 Row Multi Circuit	1	0.34	36.20	36.70	37.20	37.60	38.10	38.50		
	2	1.17	54.70	56.10	57.50	58.50	59.60	60.50		
	4	4.07	72.50	75.10	77.60	79.80	81.90	83.80		
	6	8.48	80.50	83.80	87.00	89.80	92.50	95.10		
	Through the Coil, ΔPs		0.25	0.29	0.32	0.36	0.41	0.45		

Size 50 Standard Capacity

Rows	Coil gpm	HD Loss	Airflow Rate (cfm)							
			1550	1650	1750	1850	1950	2050	2150	2250
1 Row Multi Circuit	1	0.18	22.70	22.80	23.20	23.30	23.50	23.80	23.90	24.20
	2	0.62	32.90	33.50	34.20	34.60	35.00	35.50	35.90	36.30
	4	2.16	42.70	43.70	44.60	45.50	46.30	47.10	47.90	48.70
	6	4.52	47.10	48.30	49.50	50.60	51.60	52.50	53.60	54.40
	Through the Coil, ΔPs		0.14	0.15	0.17	0.19	0.20	0.22	0.24	0.26
2 Row Multi Circuit	1.5	0.25	46.30	46.90	47.50	48.20	48.60	49.00	49.50	
	3	0.87	66.00	67.40	68.70	69.90	71.00	72.10	73.20	
	6	3.03	82.90	85.30	87.40	89.50	91.40	93.30	95.10	
	9	6.33	90.00	92.70	95.30	97.80	100.20	102.40	104.60	
	Through the Coil, ΔPs		0.31	0.35	0.38	0.42	0.46	0.50	0.54	

For performance notes, see end of section.

PERFORMANCE DATA

FDC - 1 and 2 Row Hot Water Coil Data

Size 50 High Capacity

Rows	Coil gpm	HD Loss	Airflow Rate (cfm)							
			1550	1650	1750	1850	1950	2050	2150	2250
1 Row Multi Circuit	1	0.20	26.20	26.50	26.80	27.00	27.20	27.40	27.60	27.80
	2	0.70	40.60	41.40	41.90	42.50	43.00	43.50	43.90	44.40
	4	2.46	55.90	57.20	58.30	59.40	60.50	61.40	62.40	63.20
	6	5.13	63.50	65.20	66.70	68.10	69.50	70.80	72.10	73.20
	Through the Coil, ΔPs		0.11	0.12	0.14	0.15	0.16	0.18	0.19	0.21
2 Row Multi Circuit	1.5	0.29	53.20	53.90	54.50	55.20	55.60	56.00	56.50	
	3	0.98	79.90	81.60	83.20	84.50	85.80	87.00	88.20	
	6	3.43	104.90	108.00	110.90	113.50	116.10	118.40	120.80	
	9	7.14	115.90	119.80	123.50	126.80	130.00	133.20	136.00	
	Through the Coil, ΔPs		0.25	0.28	0.31	0.34	0.37	0.40	0.43	

Size 60 Standard Capacity

Rows	Coil gpm	HD Loss	Airflow Rate (cfm)							
			2450	2550	2650	2750	2850	2950	3050	3150
1 Row Multi Circuit	1	0.23	28.80	29.00	29.20	29.20	29.40	29.60	29.60	29.70
	2	0.81	46.40	46.80	47.20	47.60	48.00	48.40	48.60	49.00
	4	2.82	67.00	67.70	68.50	69.40	70.10	70.70	71.50	72.10
	6	5.89	78.00	79.20	80.30	81.40	82.30	83.30	84.20	85.10
	Through the Coil, ΔPs		0.11	0.12	0.12	0.13	0.14	0.15	0.16	0.17
2 Row Multi Circuit	1.5	0.33	59.00	59.50	59.70	60.00	60.40	60.60	60.90	61.10
	3	1.12	93.60	94.60	95.50	96.40	97.20	98.00	98.90	99.50
	6	3.91	130.30	132.30	134.30	136.10	137.90	139.60	141.40	142.90
	9	8.16	148.30	150.90	153.50	156.00	158.40	160.80	163.00	165.20
	Through the Coil, ΔPs		0.24	0.26	0.28	0.29	0.31	0.33	0.35	0.37

Size 60 High Capacity

Rows	Coil gpm	HD Loss	Airflow Rate (cfm)							
			2450	2550	2650	2750	2850	2950	3050	3150
1 Row Multi Circuit	1	0.23	29.90	30.00	30.20	30.30	30.50	30.50	30.60	30.70
	2	0.81	49.50	49.80	50.10	50.50	50.90	51.10	51.40	51.80
	4	2.82	73.30	74.00	74.90	75.60	76.30	77.10	77.70	78.40
	6	5.89	86.60	87.80	89.00	90.10	91.10	92.20	93.10	94.10
	Through the Coil, ΔPs		0.14	0.15	0.16	0.17	0.18	0.19	0.20	0.22
2 Row Multi Circuit	1.5	0.33	61.10	61.40	61.80	62.10	62.30	62.50	62.90	63.00
	3	1.12	99.10	100.00	100.90	101.80	102.70	103.50	104.10	104.80
	6	3.91	141.30	143.40	145.40	147.30	149.20	151.00	152.70	154.30
	9	8.16	162.60	165.40	168.20	170.90	173.50	176.00	178.40	180.70
	Through the Coil, ΔPs		0.32	0.34	0.36	0.38	0.41	0.43	0.45	0.48

Performance Notes:

1. Tabulated values are in MBH (thousands of Btu per hour).
2. Tables are based on a temperature difference of 110°F (180°F entering water temperature and 70°F entering air temperature). For other temperature differences, multiply MBH values by factors as listed above.
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.

price | TERMINALS

Product Improvement is a continuing endeavour at Price. Therefore, specifications are subject to change without notice. Consult your Price Sales Representative for current specifications or more detailed information. Not all products may be available in all geographic areas. All goods described in this document are warranted as described in the Limited Warranty shown at . The complete Price product catalog can be viewed online at .

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