



PREMIUM CHOICE -PCD Series

Powerful. Efficient. Smart.

DIRECT DRIVE EC/ DC CABINET FAN MODELS

FOR LIGHT COMMERCIAL AND RESIDENTIAL APPLICATIONS



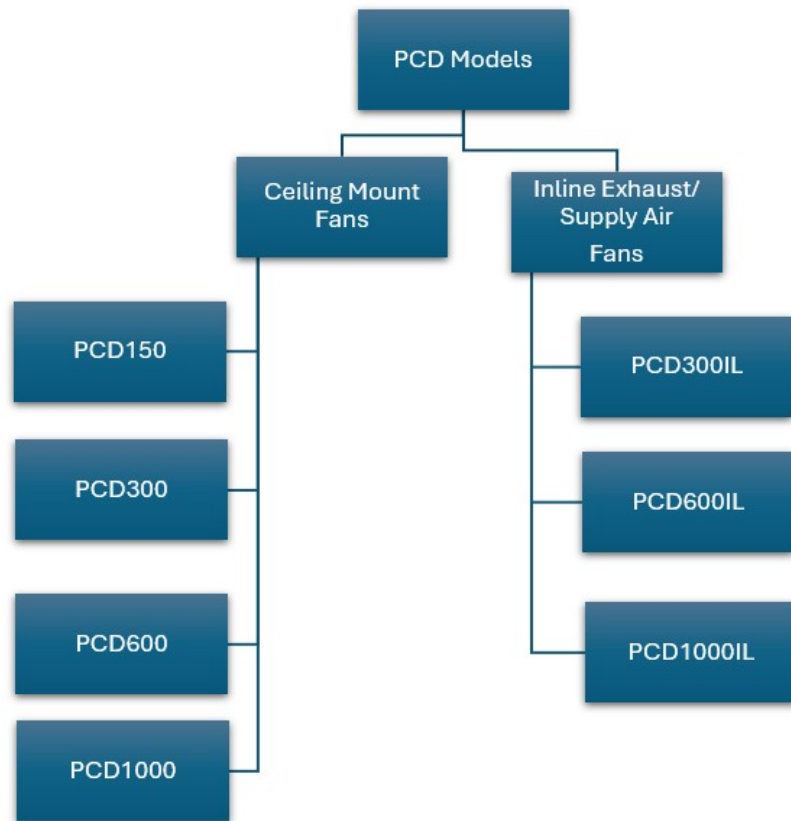
AutoFlo is an innovative technology that automatically increases fan speed in response to rise in static pressure, helping to sustain the set airflow (CFM) as system resistance increases.



PCD600IL



PCD600



CABINET CEILING MOUNT FANS:

- Performance range from 100 to 1,100 CFM for residential, multifamily and light-commercial applications.
- AutoFlo technology automatically adjusts motor speed to maintain the selected airflow setting as duct resistance changes.
- Selectable single-speed or two-speed operation provides flexibility for different airflow requirements.
- In single-speed operation, airflow can be adjusted using built-in speed-adjustment knob, allowing a wide range of airflow performance.
- In two-speed operation, the speed-adjustment knob sets the low-speed airflow for continuous ventilation.
- High-speed airflow is selected from the available preset CFM settings using the toggle switches.
- PCD600, PCD1000: Built-in humidity and motion sensors for automatic activation to high-speed operation.
- PCD150, PCD300: Built-in humidity sensor and motion sensing grille available as optional accessory, for automatic activation to high-speed operation.
- Adjustable time delay keeps the fan operating at high speed for the selected period before returning to low-speed operation.
- Strong, efficient centrifugal blower delivers reliable airflow against high static pressure.
- Energy-efficient EC motor with integrated overload protection for safety and longer motor life.
- Robust steel cabinet provides strength and durability for demanding applications.
- Built-in backdraft damper, removable grille, and accessible internal components simplify inspection and maintenance.
- ETL listed to UL 507 for Electric Safety.
- PCD150, 300: Airflow and Sound HVI certified, AMCA Air certified
- PCD600, PCD: Airflow and Sound AMCA Pending



PCD1000

MODEL	CERTIFICATIONS	PERFORMANCE	
PCD150	HVI - AIR & SOUND, AMCA - AIR, E-STAR	LOW SPEED	Approx. 40CFM TO 150CFM - ADJUSTABLE USING KNOB
		HIGH SPEED	Approx. 100CFM, 150CFM - TOGGLE SETTING
PCD300	HVI - AIR & SOUND, AMCA - AIR	LOW SPEED	Approx. 40CFM TO 300CFM - ADJUSTABLE USING KNOB
		HIGH SPEED	Approx. 100CFM, 150CFM, 200CFM, 300CFM - TOGGLE SETTING
PCD600	AMCA - AIR & SOUND PENDING	LOW SPEED	Approx. 200CFM TO 600CFM - ADJUSTABLE USING KNOB
		HIGH SPEED	Approx. 400CFM, 500CFM, 600CFM - TOGGLE SETTING
PCD1000	AMCA - AIR & SOUND PENDING	LOW SPEED	Approx. 300CFM TO 1100CFM - ADJUSTABLE USING KNOB
		HIGH SPEED	Approx. 500CFM, 700CFM, 1000CFM - TOGGLE SETTING

PCD150 - 100CFM, 150CFM AND PCD300 - 100CFM TO 300CFM - AMCA FAN PERFORMANCE

AIRFLOW PERFORMANCE (CEILING EXHAUST)											
SPEED SETTING		STATIC PRESSURE IN INCHES W.G.									
		0	0.1	0.2	0.25	0.375	0.4	0.5	0.75	0.8	1
300 CFM	CFM	331	322	310	305	301	299	292	277	274	257
	HP	0.082	0.087	0.095	0.098	0.102	0.104	0.109	0.125	0.129	0.138
200 CFM	CFM	244	238	227	225	221	221	216	213	207	204
	HP	0.033	0.038	0.047	0.05	0.055	0.056	0.063	0.082	0.085	0.103
150 CFM	CFM	156	154	159	159	159	159	157	154	153	146
	HP	0.014	0.02	0.028	0.032	0.037	0.039	0.044	0.062	0.064	0.082
100 CFM	CFM	116	111	110	110	109	109	109	106	105	105
	HP	0.008	0.012	0.019	0.023	0.027	0.027	0.032	0.048	0.05	0.064

Note: Performance certified is for installation Type B: Free Inlet, Ducted Outlet. Performance rating do include the effects of appurtenances. AMCA Licensed performance ratings.

PCD600, 1000 PERFORMANCE (Ceiling Exhaust) - AMCA CERTIFICATION PENDING

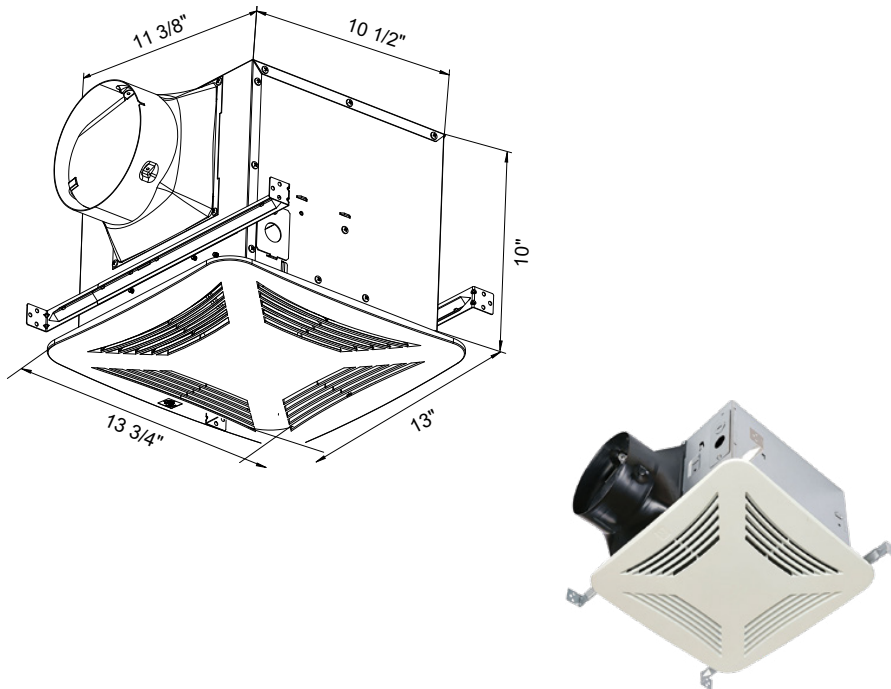
PERFORMANCE DATA															
MODEL	Electrical Characteristics	Max. Power (Watts)	Max. Current (Amp)	Minimum Circuit Ampacity (MCA)	Max Overcurrent Protection Device (MOCP)	SPEED SETTING	APPROX. RPM @ 0.4" SP	PARAMETER	STATIC PRESSURE IN. WG						
									0	0.125	0.25	0.375	0.5	0.625	0.75
PCD600	115V/ 1 Ph/ 60 Hz	201	2	2.1A	5A	400	1575	AIRFLOW (CFM)	520	500	485	470	460	450	440
								POWER (WATTS)	57	62	72	83	95	107	119
								SOUND (SONES)	4.9	4.9	5	5	5.4	5.8	6.3
						500	1650	AIRFLOW (CFM)	600	580	560	540	525	510	490
								POWER (WATTS)	77	78	87	107	116	127	140
								SOUND (SONES)	5.3	6	6.7	7.2	7.2	7.3	7.5
						600	1750	AIRFLOW (CFM)	680	655	635	615	600	580	565
								POWER (WATTS)	115	118	128	138	148	157	168
								SOUND (SONES)	5.9	6	6.1	6.2	6.3	6.4	6.5
								AIRFLOW (CFM)	430	415	405				
								POWER (WATTS)	131	144	157				
								SOUND (SONES)	6.9	7.7	8.5				

PERFORMANCE DATA															
MODEL	Electrical Characteristics	Max. Power (Watts)	Max. Current (Amp)	Minimum Circuit Ampacity (MCA)	Max Overcurrent Protection Device (MOCP)	SPEED SETTING	APPROX. RPM @ 0.4" SP	PARAMETER	STATIC PRESSURE IN. WG						
									0	0.125	0.25	0.375	0.5	0.625	0.75
PCD1000	115V/ 1 Ph/ 60 Hz	411	3.5	4A	10A	500	650	AIRFLOW (CFM)	585	550	510	470	525	370	330
								POWER (WATTS)	34	41	47	53	59	64	71
								SOUND (SONES)	4.5	4.8	5.1	5.3	5.8	6.2	6.7
						700	680	AIRFLOW (CFM)	795	770	740	705	675	645	615
								POWER (WATTS)	76	86	94	102	110	118	125
								SOUND (SONES)	0	4.8	4.9	4.9	5	5.1	5.2
						1000	900	AIRFLOW (CFM)	1175	1155	1135	1110	1090	1070	1055
								POWER (WATTS)	251	264	277	290	303	316	329
								SOUND (SONES)	9.6	9.3	9	8.8	8.7	8.8	8.8
								AIRFLOW (CFM)	295	255	215				
								POWER (WATTS)	75	78	81				
								SOUND (SONES)	7.7	8.2					

Performance is certified for exhaust airflow in accordance with Installation Type B: Free Inlet, Ducted Outlet. Performance ratings include the effects of an inlet grille and backdraft damper. Performance is based on the actual test speed. The sound ratings shown are loudness values in spherical fan sones at 5 ft (1.5 m) in a spherical free field. Values shown are for Installation Type B free inlet spherical fan sone levels. *Amp and Watt draw is approximate and may vary due to variance in site conditions.

ELECTRIC DATA				DUCT CONNECTION
MODEL	ELECTRIC CHARACTERISTICS	MAX. POWER (WATTS)	MAX. CURRENT (AMP)	
PCD150	115V/60Hz/1Ph	61	1A	6"
PCD300	115V/60Hz/1Ph	102	1A	6"
PCD600	115V/60Hz/1Ph	201	2A	7.25" X 18.625"
PCD1000	115V/60Hz/1Ph	411	3.5A	8.25" X 12.25"

DIMENSIONS - PCD150, PCD300



FEATURED ELECTRICAL ACCESSORIES

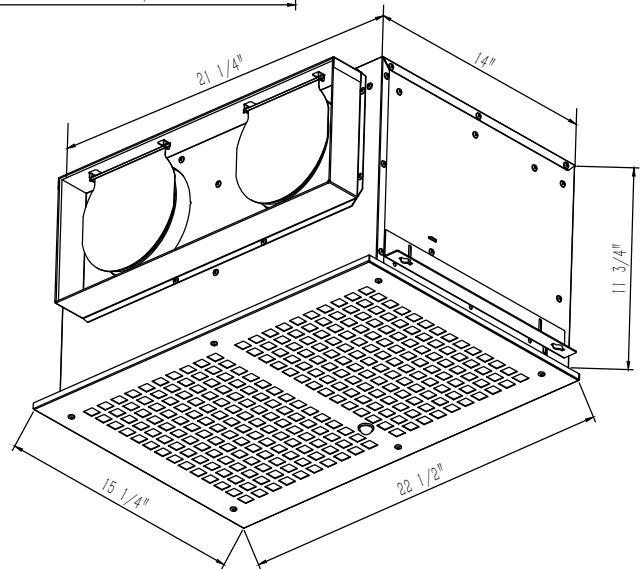
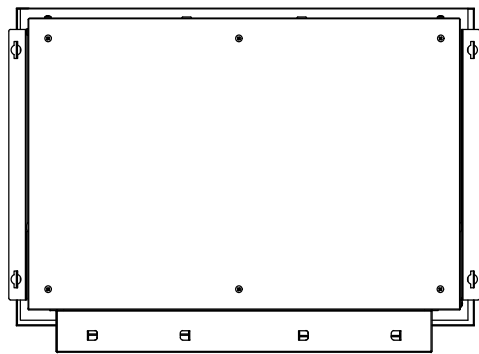
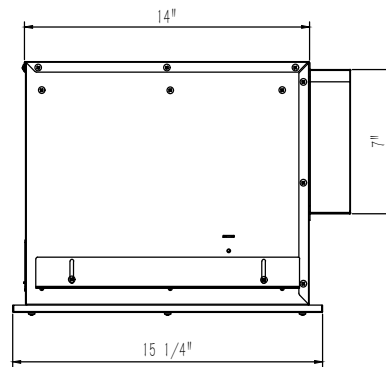
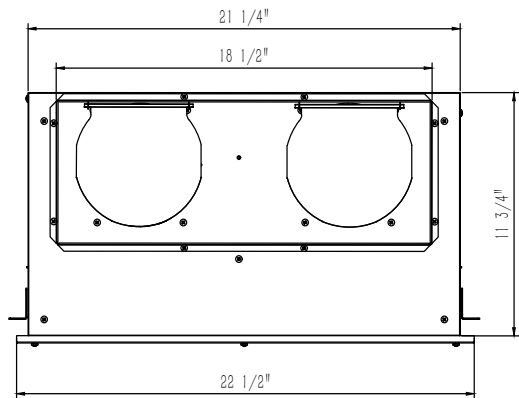


ASHRAE 62.2 Bath Fan
Ventilation Controller: FT622

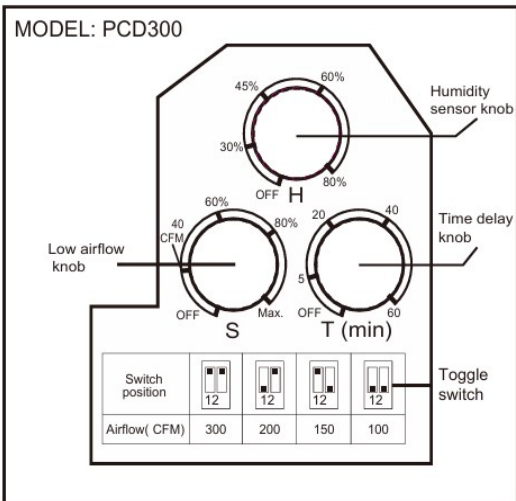
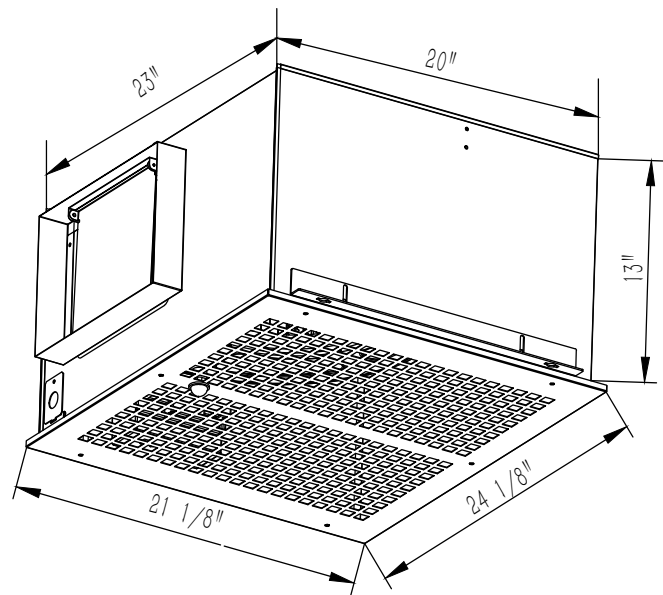
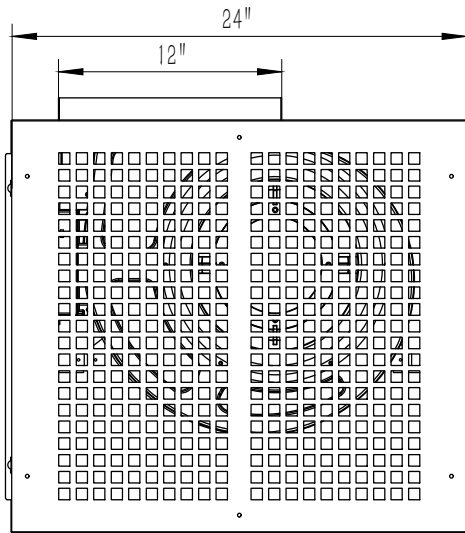
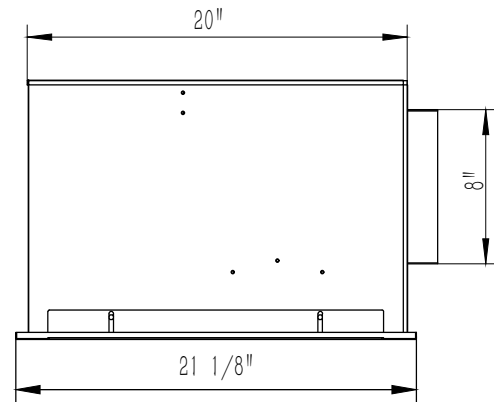
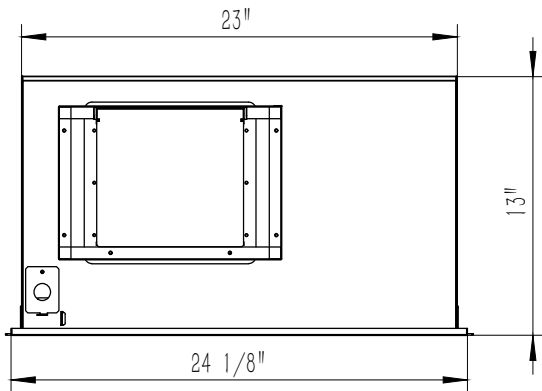


Programmable Fan Timer 24
Hour/7 Day: FT247

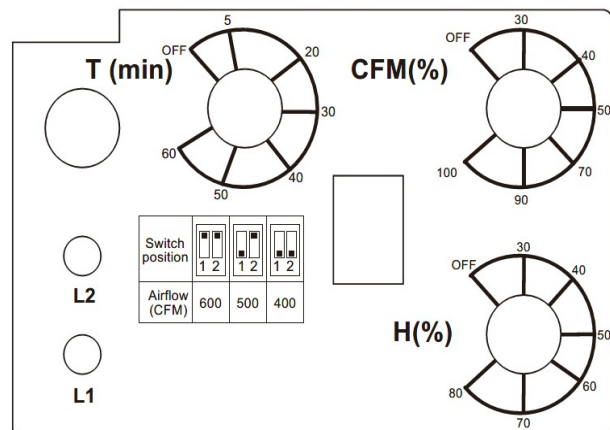
DIMENSIONS - PCD600



DIMENSIONS - PCD1000



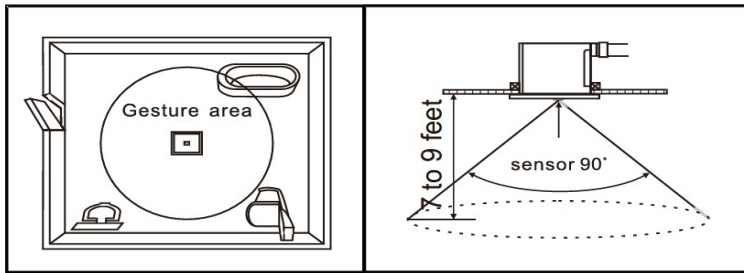
PCD300 -
Control Board
(Built-in)



PCD600 -
Control Board
(Built-in)

OPTIONAL ACCESSORIES	PCD150	PCD300	PCD600	PCD1000
LED LIGHTED GRILLE	PCLEDKP	PCLEDKP	NA	NA
METAL GRILLE	PCMGP	PCMGP	BUILT-IN	BUILT-IN
MOTION SENSING GRILLE	PCMRGP	PCMRGP	BUILT-IN	BUILT-IN
MOTION SENSING LED LIGHTED GRILLE	PCDLEDMGP	PCDLEDMGP	NA	NA
VIBRATION ISOLATION KIT	PC-VKIT	PC-VKIT	INCLUDED	INCLUDED
ROOF CAP	RC-6	RC-6		
WALL CAP	641	641		
CEILING RADIATION DAMPER	PCRD	PCRD	NA	NA
ASHRAE 62.2 BATH FAN VENTILATION CONTROLLER	FT622	FT622		
PROGRAMMABLE FAN TIME 24H/ 7 DAYS	FT247	FT247	FT247	FT247
3-SWITCH	PC3S	PC3S		
RECTANGLE TO ROUND DUCT TRANSITION	NA	NA	PCD600IL-RTR10	PCD1000-RTR12

SPECIAL FEATURE



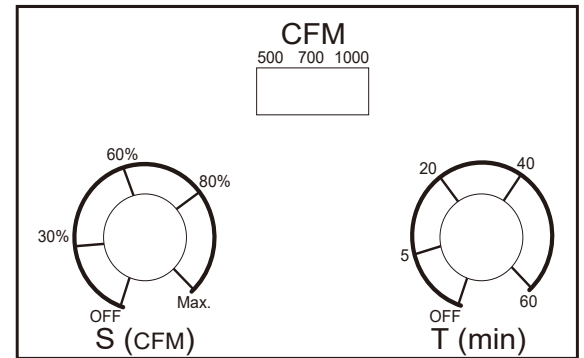
Motion sensing (Built-in PCD600 & PCD1000):

(If enabled) Plug the motion sensing grille into the fan control module and when powered on, the fan will automatically start sensing motion.

When motion is detected, the fan speed increases to high speed. When the person exits the area, the fan remains working at high speed until the delay time has passed (user set). After the time delay, the fan speed is reduced to the set continuous ventilation rate.

Installation distance: 7 to 9 feet.

Sensing range is within the cone angle of 90°.



PCD1000 -
Control Board
(Built-in)

CABINET INLINE FANS:

- Performance range from 100 to 1,100 CFM for residential, multifamily, and light commercial exhaust and supply air applications.
- AutoFLO™ technology automatically increases motor speed in response to rising duct resistance, helping to maintain the selected airflow.
- Selectable single-speed or two-speed operation provides flexibility for varying ventilation requirements.
- In single-speed operation, airflow can be adjusted using the built-in speed adjustment knob, allowing a wide range of airflow performance.
- In two-speed operation, the speed adjustment knob sets the continuous low-speed airflow, while high-speed airflow is selected using the onboard toggle switches.
- All models include built-in filter slots for optional MERV 13 filtration in supply air applications.
- Adjustable time delay keeps the fan operating at high speed for the selected period before returning to low-speed operation.
- High-performance centrifugal blower delivers reliable airflow against high static pressure.
- Energy-efficient EC motor with built-in overload protection provides reliable operation and extended motor life.
- Heavy-duty galvanized steel cabinet provides strength and durability.
- Designed for quiet, continuous operation as an inline exhaust or supply air fan.
- Built-in backdraft damper, removable access panel provides convenient access for inspection, maintenance, and filter replacement.
- ETL Listed to UL 507 for electrical safety.
- PCD300IL: HVI Certified for Air, AMCA Air Certified, E-Star Certified.
- PCD600IL & PCD1000IL: Airflow and Sound AMCA Pending.

PCD1000IL



MODEL	CERTIFICATIONS	PERFORMANCE	
PCD300IL	HVI - AIR & SOUND, AMCA - AIR	LOW SPEED	Approx. 40CFM TO 300CFM - ADJUSTABLE USING KNOB
		HIGH SPEED	Approx. 100CFM, 150CFM, 200CFM, 300CFM - TOGGLE SETTING
PCD600IL	AMCA - AIR & SOUND PENDING	LOW SPEED	Approx. 200CFM TO 600CFM - ADJUSTABLE USING KNOB
		HIGH SPEED	Approx. 400CFM, 500CFM, 600CFM - TOGGLE SETTING
PCD1000IL	AMCA - AIR & SOUND PENDING	LOW SPEED	Approx. 300CFM TO 1000CFM - ADJUSTABLE USING KNOB
		HIGH SPEED	Approx. 500CFM, 700CFM, 1000CFM - TOGGLE SETTING

PCD300IL - AMCA FAN PERFORMANCE

AIRFLOW PERFORMANCE INLINE W/O FILTER											
SPEED SETTING		STATIC PRESSURE IN INCHES W.G.									
		0	0.1	0.2	0.25	0.375	0.4	0.5	0.75	0.8	1
300 CFM	CFM	320	313	302	300	295	293	287	274	271	248
	HP	0.085	0.089	0.098	0.101	0.103	0.106	0.111	0.126	0.13	0.134
200 CFM	CFM	231	225	217	215	213	212	209	201	200	198
	HP	0.034	0.038	0.047	0.05	0.054	0.056	0.062	0.082	0.086	0.101
150 CFM	CFM	156	154	159	159	159	159	157	154	153	146
	HP	0.014	0.018	0.028	0.032	0.035	0.037	0.044	0.063	0.065	0.081
100 CFM	CFM	116	111	110	110	109	109	109	106	105	105
	HP	0.008	0.012	0.019	0.023	0.027	0.027	0.032	0.047	0.051	0.062

Note: Performance certified is for installation Type D: Ducted Inlet, Ducted Outlet. Performance rating do include the effects of appurtenances. AMCA Licensed performance ratings.

PCD300IL AS A SUPPLY AIR FAN: PAIR THE M13 PRE FILTER & ES24V, TO ALLOW FOR

- Operation based on user set minutes per hour
- Setting of high/low outside air temp and humidity settings
- Simultaneous operation with additional duct heater and/or motorized damper



PCD300IL AIRFLOW PERFORMANCE INLINE W/ MERV 13 FILTER						
DUCT SIZE	DISCHARGE	SPEED SETTING	SP (IN W.G.)	RATED AIRFLOW (CFM)	INPUT POWER (WATTS)	MEETS EFFICIENCY REQUIREMENTS FOR CO, DC, MA, MD, NJ, NV, NY, OR, RI, VT, WA
6"	HORIZONTAL	100 CFM	0.2	100	18	YES
			0.4	100	97	
			0.6	95	38	
			0.8	95	45	
		150 CFM	0.2	150	30	
			0.4	150	45	
			0.6	140	53	
			0.8	135	60	
		200 CFM	0.2	200	50	
			0.4	200	75	
			0.6	195	75	
			0.8	155	68	
		300 CFM	0.2	270	92	
			0.4	245	97	
			0.6	205	83	
			0.8	160	75	

FEATURED ELECTRICAL ACCESSORIES



Duct Heater 120V:



Motorized Damper: MD



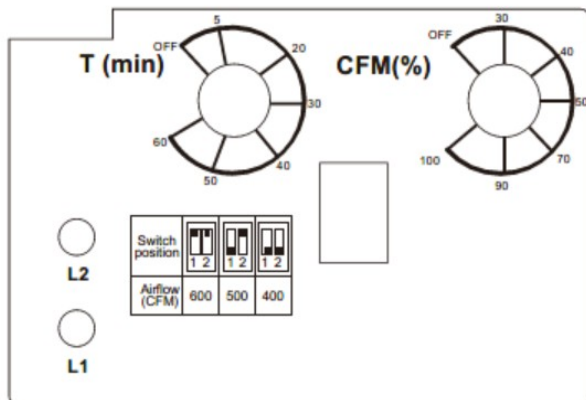
Envirosense Ventilation Control 24V: ES24V-Kit

PCD600IL - FAN PERFORMANCE (INLINE) - AMCA pending

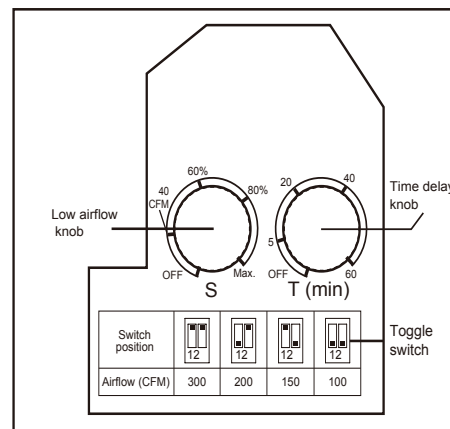
PERFORMANCE DATA																
MODEL	SPEED SETTING	APPROX. RPM @ 0.4" SP	PARAMETER	STATIC PRESSURE IN. WG												
				0	0.125	0.25	0.375	0.5	0.625	0.75	0.875	1	1.125	1.25	1.375	1.5
PCD600IL	400	1500	AIRFLOW (CFM)	500	480	465	450	440	430	420	410	400	390			
			POWER (WATTS)	48	59	69	79	90	102	113	127	141	155			
			SOUND (SONES)	4.4	4.3	4.3	4.2	4.9	5.8	6.8	7.4	7.8	8.3			
	500	1600	AIRFLOW (CFM)	585	580	560	540	525	510	495	485	475	425			
			POWER (WATTS)	77	79	91	107	118	129	140	153	165	167			
			SOUND (SONES)	7.3	6.6	5.3	5.9	6.7	7.6	8	8.1	8.2	8.2			
	600	1700	AIRFLOW (CFM)	655	630	615	595	575	560	545	525	515	470			
			POWER (WATTS)	103	112	122	132	144	155	163	174	186	185			
			SOUND (SONES)	4.7	4.8	4.9	5	5.5	6.2	6.8	7.3	7.7	8.2			
PCD600IL-MERV13	400	1875	AIRFLOW (CFM)	470	455	445	430	425	415	405	400	390				
			POWER (WATTS)	68	78	87	98	108	119	133	148	159				
			SOUND (SONES)	5.9	5.9	5.8	5.8	6.3	6.9	7.5	8.3	9.3				
	500	1925	AIRFLOW (CFM)	540	520	505	490	480	470	460	440					
			POWER (WATTS)	95	105	115	126	136	148	160	170					
			SOUND (SONES)	5.2	5.7	6.2	6.7	7	7.2	7.4	7.7					
	600	2050	AIRFLOW (CFM)	605	590	570	560	545	530	515	480					
			POWER (WATTS)	132	141	151	160	169	181	193	192					
			SOUND (SONES)	5	5.2	5.4	5.7	7.1	8.9	10.7	11.1					

*Amp and Watt draw is approximate and may vary due to variance in site conditions.

Performance is certified for inline applications in accordance with Installation Type D: Ducted Inlet, Ducted Outlet. Performance ratings include the effects of a backdraft damper. Performance is based on the actual test speed. The sound ratings shown are loudness values in spherical fan sones at 5 ft (1.5 m) in a spherical free field. Values shown are for Installation Type D ducted inlet spherical fan sone levels.



PCD600IL-Control Board (Built-in)



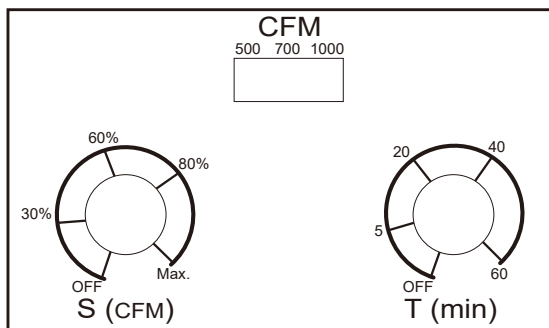
PCD300IL-Control Board (Built-in)

PCD1000IL - FAN PERFORMANCE (INLINE) - AMCA pending

PERFORMANCE DATA																
MODEL	SPEED SETTING	APPROX. RPM @ 0.4" SP	PARAMETER	STATIC PRESSURE IN. WG												
				0	0.125	0.25	0.375	0.5	0.625	0.75	0.875	1	1.125	1.25	1.375	1.5
PCD1000IL	500	685	AIRFLOW (CFM)	570	530	490	450	400	355	290	285	250	215			
			POWER (WATTS)	38	43	50	55	64	65	74	77	81	83			
			SOUND (SONES)	3.5	3.7	3.9	4.1	4.2	4.4	4.5	4.7	5	5.2			
	700	750	AIRFLOW (CFM)	770	740	710	685	655	625	590	555	520	485	445		
			POWER (WATTS)	85	93	101	108	114	121	128	136	143	150	153		
			SOUND (SONES)	4.3	4.5	4.6	4.8	5	5.4	5.7	5.9	6	6.1	6.2		
	1000	950	AIRFLOW (CFM)	1135	1115	1095	1075	1060	1045	1030	1010	1000	985	970	915	
			POWER (WATTS)	281	292	303	314	326	339	351	365	377	389	401	399	
			SOUND (SONES)	6.5	6.4	6.4	6.3	6.3	6.4	6.4	6.4	6.5	6.6	6.7	6.8	
PCD1000IL-MERV13	500	750	AIRFLOW (CFM)	505	470	435	395	355	320	295	265	220				
			POWER (WATTS)	46	51	55	60	64	69	73	76	75				
			SOUND (SONES)	4.1	4.2	4.3	4.5	4.7	5	5.3	5.5	5.8				
	700	875	AIRFLOW (CFM)	695	670	640	615	590	560	530	500	470	445			
			POWER (WATTS)	103	109	116	122	128	133	139	146	152	158			
			SOUND (SONES)	4.3	4.4	4.4	4.5	4.6	4.8	5	5.2	5.4	5.5			
	1000	1150	AIRFLOW (CFM)	1040	1025	1005	990	975	960	940	905	830				
			POWER (WATTS)	334	345	356	368	377	387	396	388	351				
			SOUND (SONES)	5.7	5.7	5.8	5.8	5.8	5.9	6	6	6.1				

*Amp and Watt draw is approximate and may vary due to variance in site conditions.

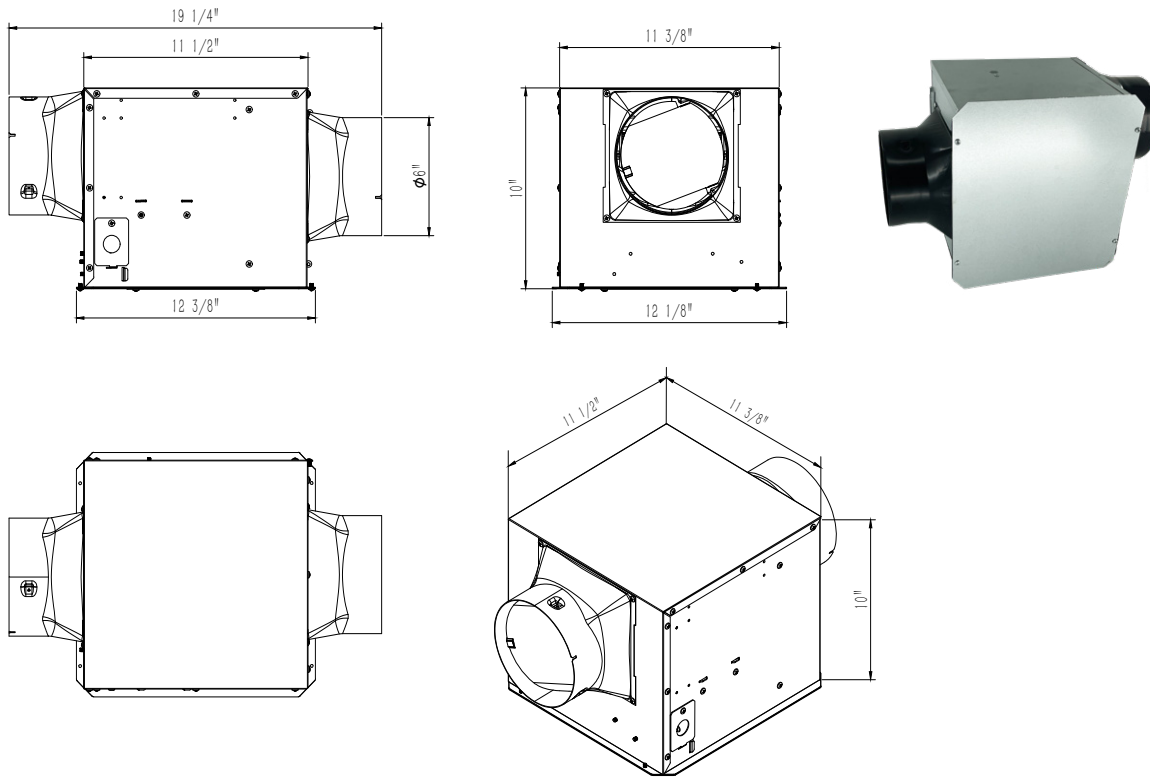
Performance is certified for inline applications in accordance with Installation Type D: Ducted Inlet, Ducted Outlet. Performance ratings include the effects of a backdraft damper. Performance is based on the actual test speed. The sound ratings shown are loudness values in spherical fan sones at 5 ft (1.5 m) in a spherical free field. Values shown are for Installation Type D ducted inlet spherical fan sone levels.



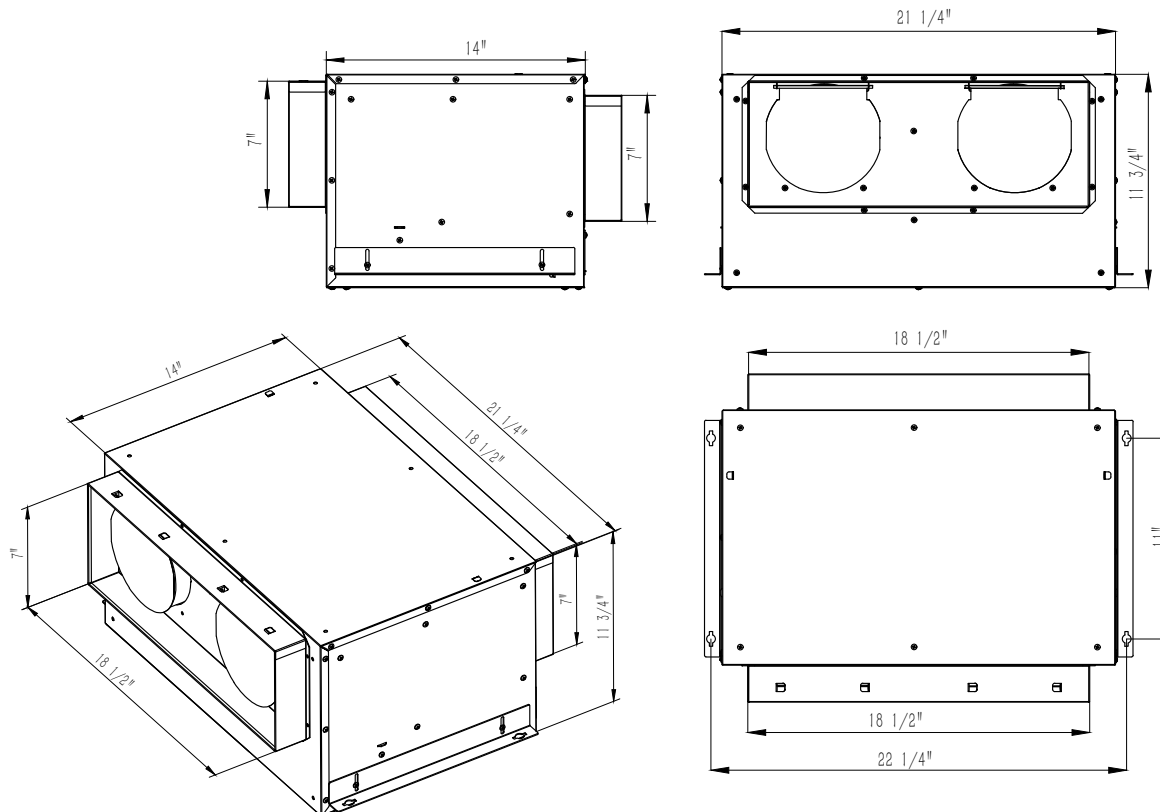
PCD1000IL - Control Board (Built-in)



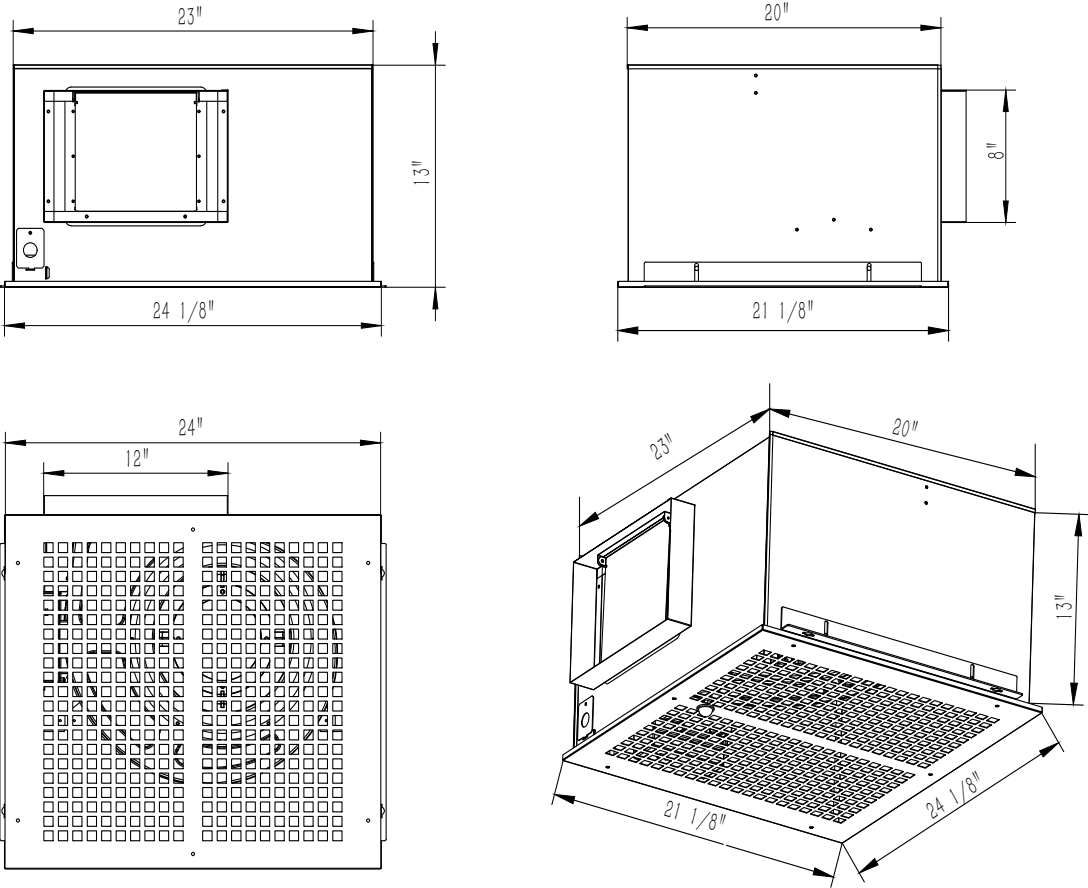
DIMENSIONS - PCD300IL



DIMENSIONS - PCD600IL



DIMENSIONS - PCD1000IL



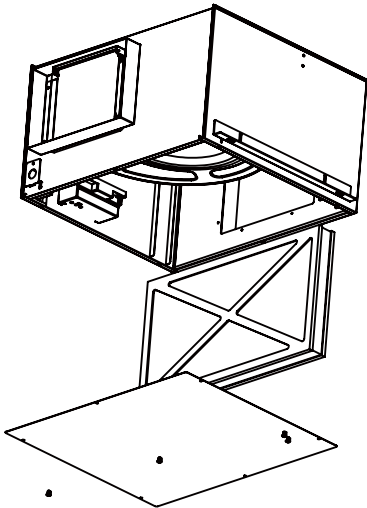
MODEL	DUCT CONNECTION	FILTER PART ID	FILTER DIMENSIONS
PCD300IL	6"	PCDIL-M13F2, QTY 01	9-3/4" X 10-3/4" X 2"
PCD600IL	7.25" X 18.625"	PCDIL-M13F2, QTY 02	9-3/4" X 10-3/4" X 2"
PCD1000IL	8.25" X 12.25"	PCD1000IL-M13F, QTY 01	21-1/2" X 12-1/4" X 2"

ELECTRIC DATA			
MODEL	ELECTRIC CHARACTERISTICS	MAX. POWER (WATTS)	MAX. CURRENT (AMP)
PCD300IL	115V/60Hz/1Ph	102	1A
PCD600IL	115V/60Hz/1Ph	201	2A
PCD1000IL	115V/60Hz/1Ph	411	3.5A

OPTIONAL ACCESSORIES	PCD300IL	PCD600IL	PCD1000IL
MOTORIZED DAMPER	MD6	MD10	MD12
VENTILATION CONTROLLER	ES24V-KIT	ES24V-KIT	ES24V-KIT
PROGRAMMABLE FAN TIMER	FT247	FT247	FT247
3-SWITCH	PC3S	PC3S	PC3S
FAN THERMOSTAT	2513.2E340		
VIBRATION ISOLATION KIT	INCLUDED	INCLUDED	INCLUDED
MERV13 FILTER	PCDIL-M13F2, QTY 01	PCDIL-M13F2, QTY 02	PCD1000IL-M13F, QTY 01
RECTANGLE TO ROUND DUCT TRANSITION	NA	PCD600IL-RTR10	PCD1000-RTR12

SPECIAL FEATURE

Filter Slots for Supply air application (Built-in)



CODE COMPLIANCE

AMCA Certified Ratings for Air Performance and Sound.

ETL Listed for electric safety.

Designed to support compliance with ASHRAE 62.1 Ventilation for Acceptable Indoor Air Quality in commercial and institutional buildings.

High-efficiency EC motor technology supports energy-efficient building design and may contribute toward compliance with ASHRAE 90.1.

Suitable for use in applications governed by the International Mechanical Code (IMC).

Can be applied in projects pursuing compliance with California Title 24 ventilation and energy efficiency requirements, where applicable.

APPLICATIONS

The PCD Inline Series is engineered for continuous exhaust and supply air ventilation in residential, multifamily, and light commercial buildings. Its compact inline design, energy-efficient EC motor, and high static pressure performance make it ideal for concealed duct installations where quiet, reliable airflow is required.

Typical applications include:

- Multifamily Housing
- Office Buildings
- Schools & Educational Facilities
- Healthcare Facilities
- Restaurants & Cafés
- Hotels & Motels
- Fitness Centers & Locker Rooms
- Public Restrooms
- Break Rooms
- Warehouses & Storage Areas
- Utility Rooms
- Maintenance Rooms



**ADVANCING
VENTILATION®**

S&P USA Ventilation Systems, LLC

6393 Powers Avenue
Jacksonville, FL 32217
800.961.7370
www.SolerPalau-USA.com

S&P Canada Ventilation Products, Inc

6710 Maritz Drive Unit #7
Mississauga, ON L5W 0A1 - Canada
416.744.1217
www.SolerPalauCanada.com

Soler&Palau 
Ventilation Group