

PCD1000IL

LIGHT COMMERCIAL INLINE EXHAUST/ SUPPLY AIR FAN



S&P's PCD Light Commercial models are configured with high-efficiency EC (commonly called DC) motors. These models consume lesser power per cfm of airflow while delivering strong airflow performance. Engineered with powerful centrifugal blowers to provide reliable performance at higher duct resistances in residential and Light Commercial applications. Packed with multiple built-in features, the PCD models make installation, commissioning, and code compliance simple and convenient.



Model: PCD1000IL



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.

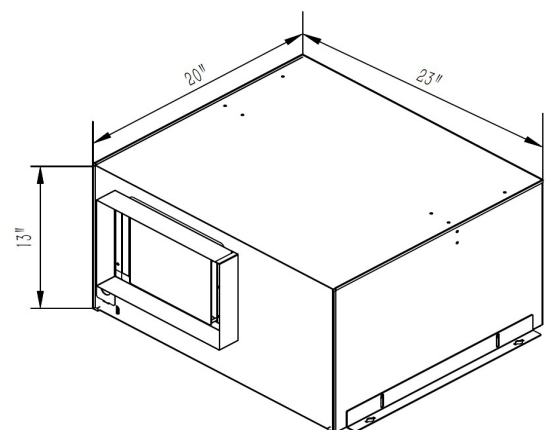
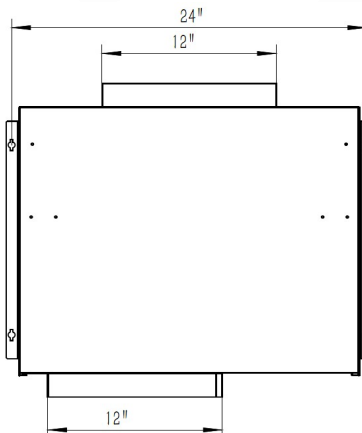
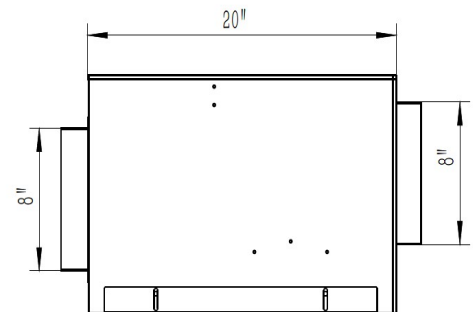
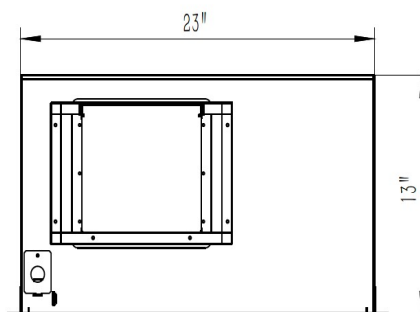
APPLICATIONS

- Multifamily housing,
- Hotels and motels,
- Restaurants and cafés
- Commercial buildings,
- Healthcare facilities
- Schools and educational facilities
- Fitness centers, Locker rooms,
- Public restrooms, Break rooms
- Warehouses, Storage rooms,
- Utility rooms,
- Maintenance rooms

KEY FEATURES

- Designed for quiet continuous operation as an In-line Exhaust/ Supply Air fan.
- Smart two-speed operation option to keep fan continuously running at low speed and jump to high speed.
- Set to approximate high speed of 1000cfm, 700cfm, or 500cfm through toggle adjustments on control board for optional two-speed operation.
- Built-in speed adjustment knob for low-speed in two-speed operation or single-speed operation.
- Built-in filter slots for supply air application. Filter available as an optional accessory. Filter Dimensions: 21-1/2" x 12-1/4" x 2", Qty: 1.
- Built-in Time Delay feature.
- Built-in overload disconnect for safety and longer motor life.
- Vibration Isolation Kit included in the box.
- Duct Connection: 12-1/4" X 8-1/4"
- Housing Construction: 20 Gauge Galvanized Steel Housing.
- Metal back-draft damper.
- Blowers: EC (also known as DC) motorized centrifugal blowers - Galv. Steel
- Warranty: 2 years for any manufacturing defects. Shipping Wt: 49Lbs

DIMENSIONS



CERTIFICATIONS





PCD1000IL

INLINE FAN

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				

ELECTRIC DATA					
MODEL	Electrical Characteristics	Max. Power (Watts)	Max. Current (Amp)	Minimum Circuit Ampacity (MCA)	Max Overcurrent Protection Device (MOCP)
PCD1000IL, PCD1000IL-MERV13	115V/ 1 Ph/ 60 Hz	411	3.5	4A	10A

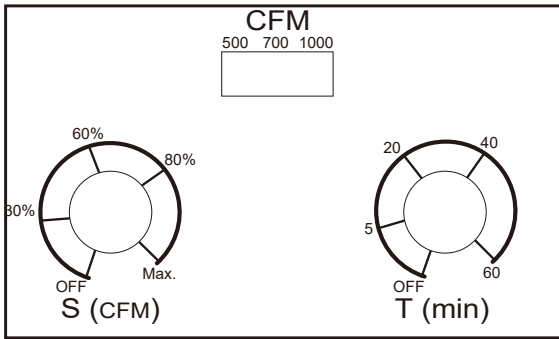
*Amp and Watt draw is approximate and may vary due to variance in site conditions.

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 INLINE FAN



Control Board (Built-in)

Optional General Accessories:

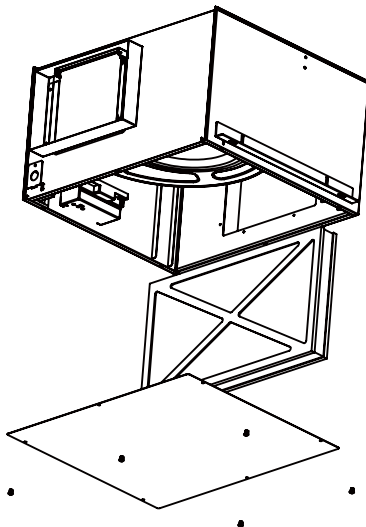
- MERV13 Filters
- Round Duct Adapter
- Roof Cap
- Wall Cap
- Motorized Damper

Optional Electric Accessories:

- FT247
- ES24V-KIT

SPECIAL FEATURE

Filter Slots for Supply air application (Built-in)



OPTIONAL TWO-SPEED OPERATION

The PCD1000IL model is designed to operate at single-speed or two-speed, to meet ventilation code requirements efficiently. Toggle switches offer 3 selectable high-speed settings. These represent approximate airflow values. For detailed airflow versus static pressure performance, please refer to this submittal (For instructions on wiring for single-speed or two-speed operation, please refer to the PCD1000IL manual.

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.

FEATURED ACCESSORIES



Programmable Fan Timer 24
Hour/7 Day: FT247



Motorized Damper



Envirosense Ventilation
Control 24V: ES24V-Kit

