

PCD600IL

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 Light Commercial applications. Packed with multiple built-in features, the PCD models make installation, commissioning, and code compliance simple and convenient.



Model: PCD600IL



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

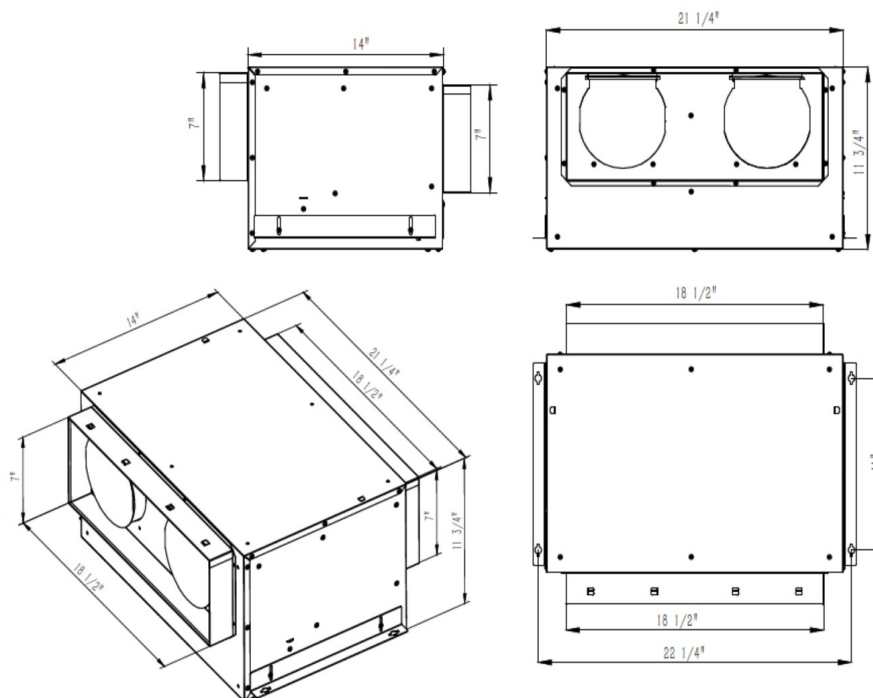
CERTIFICATIONS



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 600cfm, 500cfm, or 400cfm 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: 9-3/4" x 10-3/4" x 2", Qty: 2.
- Built-in Time Delay feature.
- Built-in overload disconnect for safety and longer motor life.
- Vibration Isolation Kit included in the box.
- Duct Connection: 7.25" X 18.625".
- Housing Construction: 20 Gauge Galvanized Steel Housing.
- Metal back-draft damper.
- Blowers: Twin double inlet EC (also Known as DC) motorized centrifugal blowers made with composite material.
- Warranty: 2 years against manufacturing defects. Shipping Wt: 31 Lbs.

DIMENSIONS





PCD600IL

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
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					

ELECTRIC DATA					
MODEL	Electrical Characteristics	Max. Power (Watts)	Max. Current (Amp)	Minimum Circuit Ampacity (MCA)	Max Overcurrent Protection Device (MOCP)
PCD600IL, PCD600IL-MERV13	115V/ 1 Ph/ 60 Hz	201	2	2.1A	5A

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.

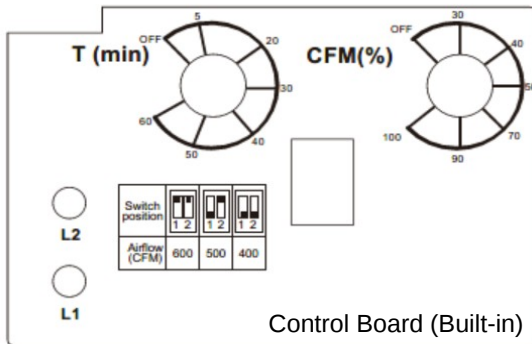
*Amp and Watt draw is approximate and may vary due to variance in site conditions.





PCD600IL

INLINE FAN



OPTIONAL TWO-SPEED OPERATION

The PCD600IL 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 PCD600IL manual.

Optional General Accessories:

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

Optional Electric Accessories:

- FT247
- ES24V-KIT

CODE COMPLIANCE

AMCA Certified Ratings for Air Performance and Sound.

ETL Listed for electric safety.

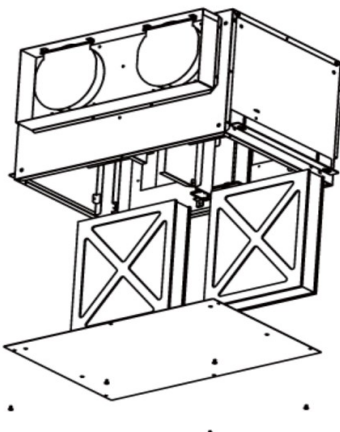
Designed to support compliance with ASHRAE 62.1 Ventilation for Acceptable Indoor Air Quality in commercial and institutional buildings.

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.

SPECIAL FEATURE



Filter Slots for Supply air application (Built-in)

FEATURED ACCESSORIES



Programmable Fan Timer 24 Hour/7 Day: FT247



Motorized Damper



Envirosense Ventilation Control 24V: ES24V-Kit

