

PCD1000



LIGHT COMMERCIAL CEILING MOUNT 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.

KEY FEATURES

- Designed for quiet continuous operation as a ceiling-mounted exhaust fan.
- Smart two-speed operation option – to keep fan continuously running at low speed and jump to high speed based on humidity sensing, occupancy sensing, or, external switch (switch not included).
- 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 optional Humidity and Motion Sensing feature for automatic activation.
- 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" X 8".
- Housing Construction: 20 Gauge Galvanized Steel Housing.
- Metal back-draft damper. Metal painted grille.
- Blowers: EC (also known as DC) motorized centrifugal blower - Galv. Steel.
- Warranty: 2 years against manufacturing defects. Shipping Wt: 48Lbs.



Model: PCD1000

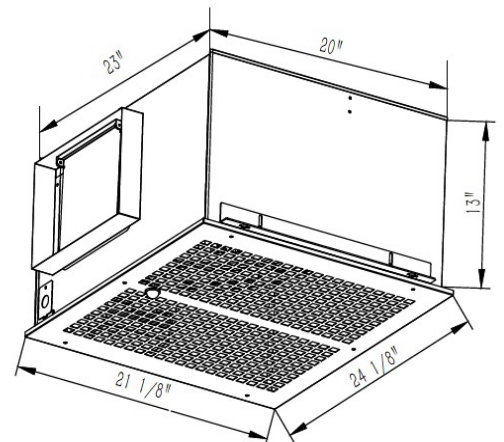
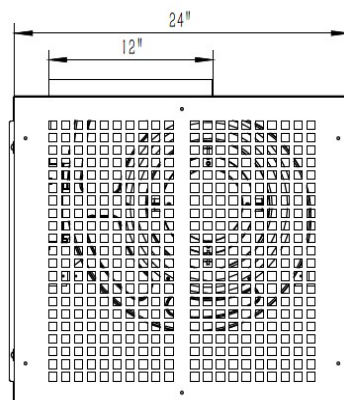
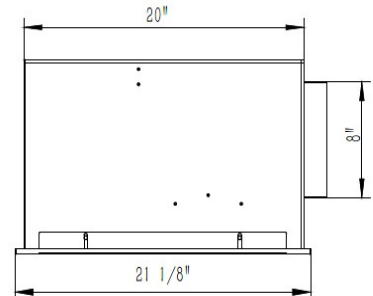
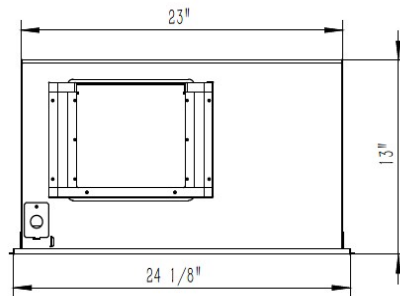


Autoflo is an innovative technology that automatically increases fan speed in response to rise in static pressure, helping to sustain the set airflow(cfm) as system resistance increases.

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

DIMENSIONS



CERTIFICATIONS





PCD1000

CEILING EXHAUST FAN

FAN PERFORMANCE (Ceiling Exhaust) - AMCA 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	0.875	1	1.125	1.25	1.375	1.5			
PCD1000	115V/ 1 Ph/ 60 Hz	411	3.5	4A	10A	500	650	AIRFLOW (CFM)	585	550	510	470	525	370	330	295	255	215						
								POWER (WATTS)	34	41	47	53	59	64	71	75	78	81						
								SOUND (SONES)	4.5	4.8	5.1	5.3	5.8	6.2	6.7	7.2	7.7	8.2						
						700	680	AIRFLOW (CFM)	795	770	740	705	675	645	615	575	540	505	470	415				
								POWER (WATTS)	76	86	94	102	110	118	125	132	140	147	154	153				
								SOUND (SONES)	0	4.8	4.9	4.9	5	5.1	5.2	5.6	6.1	6.5	7	7.5				
						1000	900	AIRFLOW (CFM)	1175	1155	1135	1110	1090	1070	1055	1030	1020	1000	990	960	935			
								POWER (WATTS)	251	264	277	290	303	316	329	342	356	370	384	392	400			
								SOUND (SONES)	9.6	9.3	9	8.8	8.7	8.8	8.8	8.9	9	9.1	9.2	9.4	9.5			

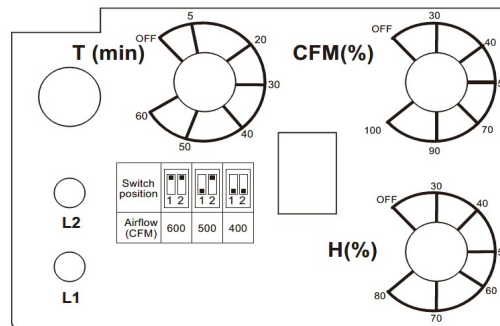
Performance is certified for exhaust airflow in accordance with Installation Type B: Free Inlet, Ducted Outlet. Performance ratings include the effects of an inlet grille and backdraft damper. Performance is based on the actual test speed. The sound ratings shown are loudness values in spherical fan 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.

Optional General Accessories:

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

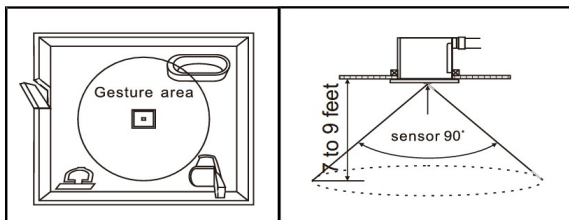
Optional Electric Accessories:

- FT247: Programmable fan timer



Built-in control panel

SPECIAL FEATURE



Motion sensing (Built-in):

(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°.

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.

