

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.



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.

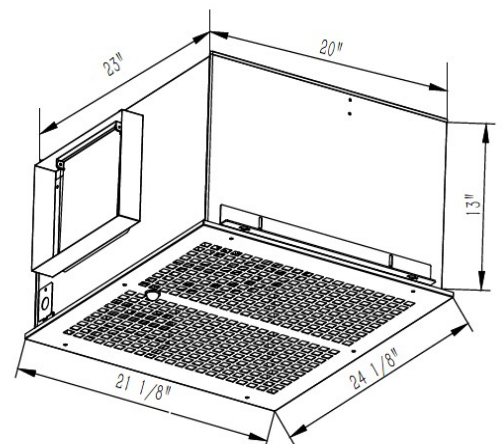
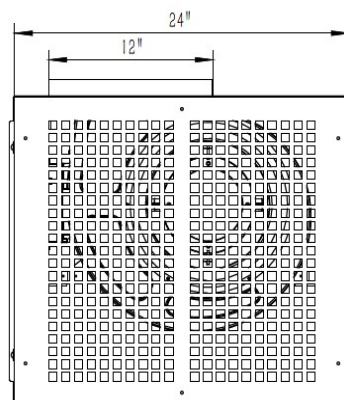
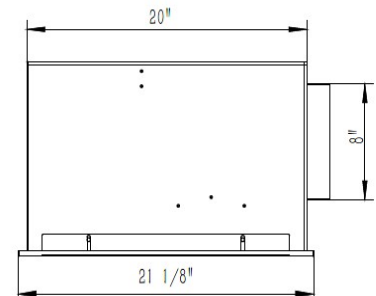
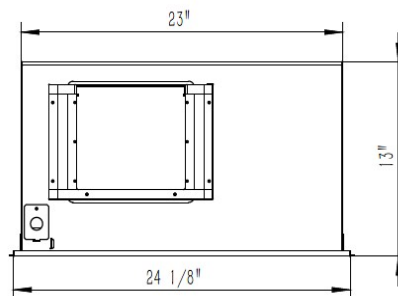
APPLICATIONS

- 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

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.

DIMENSIONS



CERTIFICATIONS



PERFORMANCE DATA																
MODEL	SPEED SETTING	NOMINAL SPEED	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	500	650	AIRFLOW (CFM)	585	550	510	470	425	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		
			POWER (WATTS)	76	86	94	102	110	118	125	132	140	147	154		
			SOUND (SONES)	4.8	4.8	4.9	4.9	5	5.1	5.3	5.6	6.1	6.5	7		
	1000	900	AIRFLOW (CFM)	1175	1155	1135	1110	1090	1070	1055	1030	1020	1000	990	960	915
			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 certified is for models PCD600, PCD1000 exhaust. Performance certified is for installation type B - Free inlet, Ducted outlet. Rating Method "E" (Direct Drive, As Run Speed). Performance ratings include the effects of an inlet grille and backdraft damper. Speed (rpm) shown is nominal. Performance is based on actual speed of test. The sound ratings shown are loudness values in spherical fan sones at 5 ft (1.5m) in a spherical free field calculated per Annex B of AMCA 311. Values shown are for installation type B: free inlet spherical fan sone levels.



S&P USA VENTILATION SYSTEMS LLC certifies that the PCD600 and PCD1000 models shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



MODEL	CERTIFICATIONS	PERFORMANCE	
PCD150	HVI - AIR & SOUND, AMCA - AIR, E-STAR	LOW SPEED	Approx. min. 40CFM to 150CFM - Adjustable using knob
		HIGH SPEED	Approx. 100CFM, 150CFM - Toggle Settings
PCD300	HVI - AIR & SOUND, AMCA - AIR	LOW SPEED	Approx. min. 40CFM to 300CFM - Adjustable using knob
		HIGH SPEED	Approx. 100CFM, 150CFM, 200CFM, 300CFM - Toggle Settings
PCD600	AMCA - AIR & SOUND	LOW SPEED	Approx. min. 200CFM to 600CFM - Adjustable using knob
		HIGH SPEED	Approx. 400CFM, 500CFM, 600CFM - Toggle Settings
PCD1000	AMCA - AIR & SOUND	LOW SPEED	Approx. min. 300CFM to 1100CFM - Adjustable using knob
		HIGH SPEED	Approx. 500CFM, 700CFM, 1000CFM - Toggle Settings
PCD1500	AMCA - Pending	LOW SPEED	Approx. min. 400CFM to 1600CFM - Adjustable using knob
		HIGH SPEED	Approx. 700CFM, 1000CFM, 1500CFM - Toggle Settings

ELECTRIC DATA				DUCT CONNECTION
MODEL	ELECTRIC CHARACTERISTICS	MAX. POWER (WATTS)	MAX. CURRENT (AMPS)	
PCD150	115V/60HZ/1Ph	61	1A	6" ROUND
PCD300	115V/60HZ/1Ph	102	1.25A	6" ROUND
PCD600	115V/60HZ/1Ph	201	2.5A	7.25" X 18.625"
PCD1000	115V/60HZ/1Ph	411	3.5A	8.25" X 12.25"
PCD1500	115V/60HZ/1Ph	550	5A	8.25" X 12.25"

OPTIONAL ACCESSORIES	PCD150	PCD300	PCD600	PCD1000	PCD1500
LED LIGHTED GRILLE	PCLEDKP	PCLEDKP	NA	NA	NA
METAL GRILLE	PCMGP	PCMGP	BUILT-IN	BUILT-IN	BUILT-IN
MOTION SENSING GRILLE	PCMRGP	PCMRGP	BUILT-IN	BUILT-IN	BUILT-IN
MOTION SENSING LED LIGHTED GRILLE	PCDLEDMGP	PCDLEDMGP	NA	NA	NA
VIBRATION ISOLATION KIT	INCLUDED	INCLUDED	INCLUDED	INCLUDED	INCLUDED
ROOF CAP	RC-6	RC-6			
WALL CAP	641	641			
CEILING RADIATION DAMPER	PCRD	PCRD	NA	NA	NA
ASHRAE 62.2 BATH FAN VENTILATION CONTROLLER	FT622	FT622			
PROGRAMMABLE FAN TIMER 24H/ 7 DAYS	FT247	FT247	FT247	FT247	FT247
3-SWITCH	PC3S	PC3S			
RECTANGLE TO ROUND DUCT TRANSITION	NA	NA	PCD600IL-RTR10	PCD1000-RTR12	PCD1500-RTR14



PCD1000

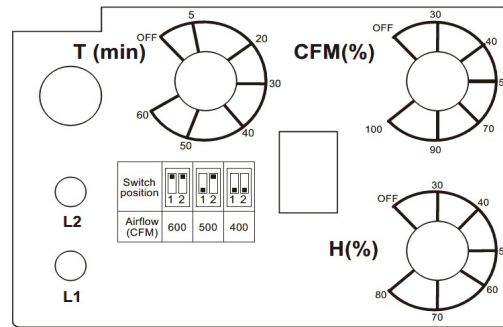
CEILING EXHAUST FAN

Optional General Accessories:

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

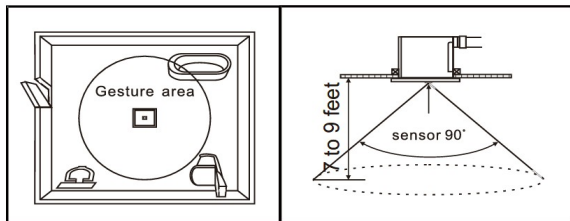
Optional Electric Accessories:

- 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.

