

## Long Life

Permanently lubricated motors are engineered for trouble-free continuous operations for 30,000 hours on AC motors and 60,000 hours on DC motors. All PC fans have robust steel housings and attractive, sturdy grilles making the Premium Choice Series a fan you can fit and forget.

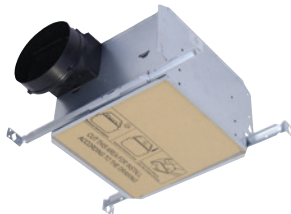
## Energy Efficient



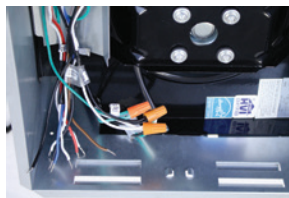
If saving money and conserving energy are concerns S&P's PC80X, PC110X, PC150, PCLP80, PCLP100, PCV80, PCRL80, PCRL80F, PCD110, PCD110H, PCD110M, PCD110MH, PCD110IAQS, and PCD200 fans are ENERGY STAR® qualified. Our fans come standard with high efficiency motors and lighting to reduce energy consumption without sacrificing performance. ENERGY STAR® qualification is especially important when using the PC fan as a whole-house fan that may run all the time. You can learn more about ENERGY STAR® at [www.energystar.gov](http://www.energystar.gov).

## Ease of Installation

The Premium Choice Series fans are designed for easy installation for both new construction and retro-fit installation. All models come with adjustable hanger bars which allow the housing to be positioned easily and accurately between the framing. In addition most models are designed to be mounted directly to the joist or i-joist. The PC's unique wiring design allows for in-room or outside wiring. Finally, all PCs come standard with dust-guard packaging to prevent over-spray of paint or ceiling materials when units are installed in new construction applications.



PC with Dust Shield



In-Room Wiring



Outside Wiring

## Plug-&-Play Design

The controls and lighted grilles for the PC fans are "Plug-&-Play". Meaning one fan can be modified to be the exact fan needed. You even have the CHOICE to add a control or change the grille after the initial installation (see page 8 for more information).

## IAQ Sense

S&P's PC fan with the exclusive, award winning\* IAQ Sense is the most intelligent fan on the market. The IAQ sensor (PCIAQS) detects and extracts both Volatile Organic Compounds (VOCs) and humidity when installed with a Premium CHOICE (PC) Series fan. You can set the IAQ sensor to run the fan at high speed if it senses VOCs or humidity, then after a specified amount of time it will automatically adjust to run at low speed (see page 9 for more information).



## Longest Warranty



S&P's Premium Choice fans come standard with the industry's longest warranty. All AC models have a 5-year warranty, while DC models have a 6-year warranty.



\* S&P's IAQ Sense (VOC/Humidity Sensor) is a 2016 POP @ PCBC winner. Winners represent the best in innovation and new product solutions.



## Features & Construction

- Extremely quiet operation 0.3 to 1.2 Sones
- Brushless DC motor for long life
- Motor rated for 60,000 hours continuous on
- High/Low speed delay timer
- Built-in backdraft damper
- Robust steel housing
- Attractive, sturdy grille
- ETL Listed
- ENERGY STAR® qualified
- HVI Certified
- 6-year warranty

## Options & Accessories

(see page 16 for model compatibility)

- Lighted Grilles
- Motion Sensing Grilles
- Humidity Sensor
- Radiation Dampers & Kits
- Metal Grille

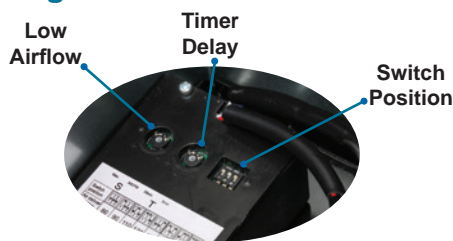
## Standard Features Per Model

Model	Built-in Control	Grille
PCD110	-	Standard
PCD110H	Humidity Sensor	Standard
PCD110M	-	Motion Sensing
PCD110MH	Humidity Sensor	Motion Sensing
PCD110IAQS	IAQ Sense	Standard

## You CHOOSE Your Airflow!

The built-in **Toggle Switches** and duct connector options allow you to set the PCD fan to the required airflow:

### Integrated Controls

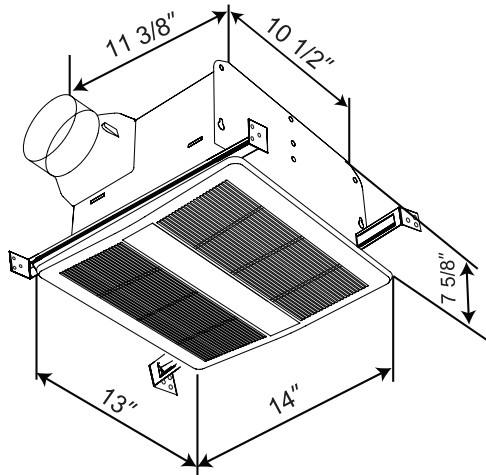


Switch position							
Airflow (CFM)	80	90	110	120	90	110	140
Duct diameter (inches)	4"	4"	4"	4"	6"	6"	6"

1 & 2: Airflow • 3: Duct size

Factory setting is 110 CFM with 6" duct

Dimensions



HVI Certified Performance

PCD110, PCD110M, PCD110H, PCD110MH, & PCD110IAQS					
CFM @ 0.1" SP	4" Duct	80	90	110	120
	6" Duct	90	110	120	140
Sones	4" Duct	0.7	0.7	1.0	1.2
	6" Duct	0.3	0.5	0.8	1.1
Watts	4" Duct	5.5	7	11.5	13
	6" Duct	5.5	10	11.5	14.5
Energy Efficiency (CFM/Watt)	4" Duct	14.5	12.9	9.6	9.2
	6" Duct	16.4	11	10.4	9.7
Amps		.16	.18	.22	.23
ENERGY STAR® Qualified		Yes			



## Plug-&-Play Grille Options

### Grille Light Kit (PCLK or PCLEDK)

*PCLK*

- 13 watt GU24 bulb
- 2700K/900 lumens
- 4 watt night light bulb
- Simple plug-in receptacle in fan housing
- Can be installed with new or pre-installed fan



*PCLEDK*

- 11 watt LED light
- 4100K/1100 lumens
- 2 watt LED night light setting
- 200 lumens
- Simple plug-in receptacle in fan housing
- Can be installed with new or pre-installed fan



### Motion Sensing Grille Kit (PCLMK)

*PCLMK*

- 13 watt GU24 bulb
- 2700K/900 lumens
- 4 watt night light bulb
- Automatically turns on fan when motion is sensed
- Adjustable time delay shut-off from 3 to 30 minutes
- Adjustable speed reduced up to 50%
- Simple plug-in receptacle in fan housing
- Can be installed with new or pre-installed fan



## Radiation Dampers & Kits

(see page 25 for more information)

### Radiation Damper (PCRD)

- 3-hour rating ceiling radiation dampers
- UL Listed Link (165°F Standard)
- UL Approved flexible fire blanket
- Ceramic fiber with fiberglass cover
- Roll-formed frame 22 g. galvanized steel



### Radiation Damper Kits

*PCD110MRD*

- Include PCRD plus:
  - Wiring Extender

### Radiation Damper Kits

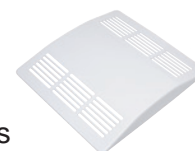
*PCLMKRD, PCLKRD, PCLEDKRD*

- Include PCRD plus:
  - Grille Kit (as indicated)
  - Wiring Extender

### Metal Grille

*PCMG*

- 13 x 14" Metal Grille
- Ideal for commercial applications



## PC DC Fan & Accessory Compatibility

The chart below indicate which plug-&-play or accessories are compatible with each PC DC Model.

Option	PC Models with DC Motor				
	PCD110	PCD110H	PCD110M	PCD110MH	PCD110IAQS
PCLK	✓	✓	-	-	✓
PCLEDK	✓	✓	-	-	✓
PCLMK	-	-	✓	✓	-
PCMG	✓	✓	-	-	-
PCRD	✓	✓	-	-	✓
PCLKRD	✓	✓	-	-	✓
PCLMKRD	-	-	✓	✓	-
PCLEDKRD	✓	✓	-	-	✓
PCD110MRD	-	-	✓	✓	-

The chart below indicates which plug-&-play or other PC accessories can be used together.

	Std. Grille	PCLK	PCLEDK	PCLMK	PCRD	PCLMKRD	PCLKRD	PCLEDKRD	PCD110MRD	PCMG
Std. Grille	-	-	-	-	✓	-	-	-	-	-
PCLK	-	-	-	-	-	-	Included	-	-	-
PCLEDK	-	-	-	-	-	-	-	Included	-	-
PCLMK	-	-	-	-	-	Included	-	-	-	-
PCRD	✓	-	-	-	-	Included	Included	Included	Included	✓
PCLMKRD	-	-	-	Included	Included	-	-	-	-	-
PCLKRD	-	Included	-	-	Included	-	-	-	-	-
PCLEDKRD	-	-	Included	-	Included	-	-	-	-	-
PCD110MRD	-	-	-	-	Included	-	-	-	-	-
PCMG	-	-	-	-	✓	-	-	-	-	-