



Premium *Choice* **Series**

Advancing Ventilation



PC
AC Motor Models



PCD
DC Motor Models



PCV
Value Series Models



PCLP
Low Profile Models



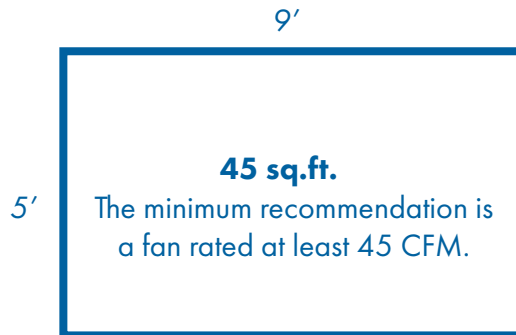
PCRL
Recessed Vent Light Models

Bathroom Fan Sizing

Based on the Home Ventilating Institute (HVI) guidelines:

FAN SIZING FOR BATHROOMS UNDER 100 SQUARE FEET

The standard rule for bathrooms 100 square feet or smaller is one CFM per square foot of the bathroom. To find the square footage, multiply the length of the bathroom by the width.



FAN SIZING FOR BATHROOMS OVER 100 SQUARE FEET

Ventilation for baths over 100 square feet is calculated based on the fixtures in the bathroom (see table below). Add the CFM of all fixtures within the bathroom for the required fan CFM.

CFM REQUIRED PER FIXTURE	
Toilet	50 CFM
Shower	50 CFM
Bath Tub	50 CFM
Jetted Tub	100 CFM

Note: Enclosed toilet rooms must have an operable window or a fan for ventilation.

EXAMPLE	
1 Toilet	50 CFM
1 Shower	50 CFM
1 Jetted Tub	100 CFM
CFM Requirements	200 CFM

Two Solution Options:

1. Install a 100 CFM fan over the tub, 50CFM fan in the shower and above the toilet. This method will provide ventilation where and when it's needed.
2. Install one 200 CFM fan. The air will be pulled through the entire room and exhausted at a central location.

For more information on bath fan sizing and ventilation, visit www.hvi.org.



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. PC fans feature robust steel housings and attractive, sturdy grilles making the Premium CHOICE Series a fan you can fit and forget.



ENERGY EFFICIENT

Select Premium CHOICE fans feature the ENERGY STAR qualification. These PC fans come standard with high efficiency motors and lighting to reduce energy consumption without sacrificing performance. Look for this logo for the most energy efficient choice.



EASE OF INSTALLATION

Premium CHOICE Series fans are designed for easy installation for both new construction and retrofit installation. All models come with adjustable hanger bars, unique wiring design allowing for in-room or outside wiring, and dust-guard packaging to prevent over-spray of paint or ceiling materials when units are installed in new construction applications.



PLUG-&-PLAY DESIGN

S&P's Premium CHOICE fans feature the ultimate flexibility when it comes to your bathroom fan experience. With plug-in features such as humidity and motion sensors, to grilles to fit every aesthetic, there's something for everyone. Simple "Plug-&-Play" design makes installation a snap.



IAQ Sense

IAQ Sense makes Premium CHOICE fans the most intelligent fan on the market. This sensor plugs into standard PC fans and automatically detects VOCs and humidity within a room, running when and where its needed. Learn more on page 7.



LONGEST WARRANTY

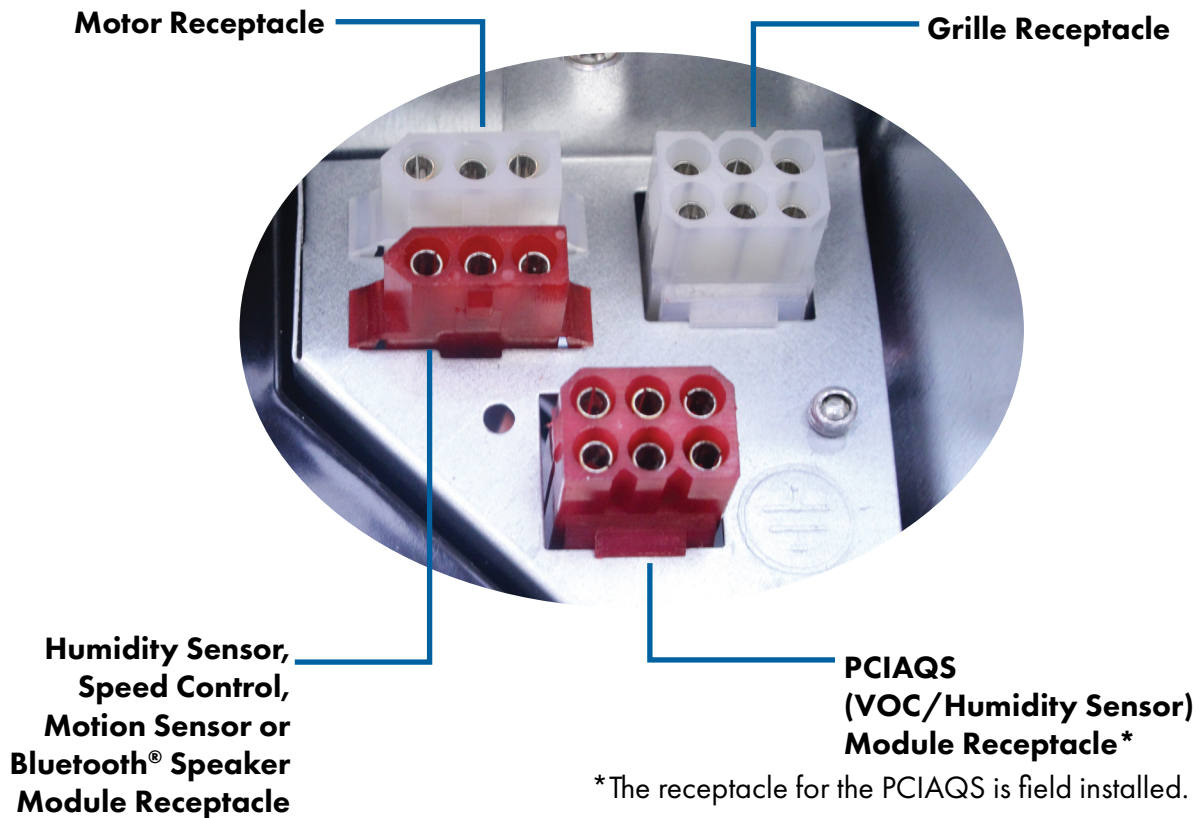
S&P's Premium CHOICE fans come standard with the industry's longest warranty. AC models include a 5-year warranty, while DC models have a 6-year warranty.

Plug-&-Play Modules and Grilles

S&P's unique Plug-&-Play options make your CHOICE easy. Whether you're looking for a Speed Control, Humidity Sensor, Motion Sensor or VOC Sensor, there is a control that connects to the receptacle and easily mounts into the pre-drilled holes inside the fan housing.

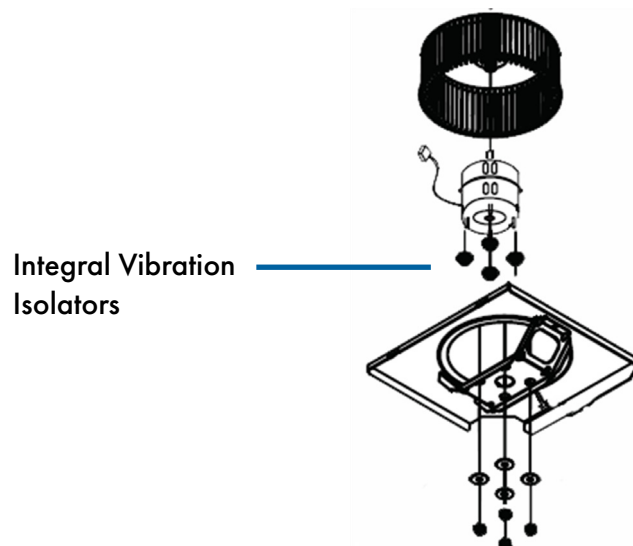
There is a receptacle for your grille CHOICE. Need a lighted fan? Choose the fluorescent or LED Lighted Grille Kits. Need a motion sensing fan? Choose the Motion Sensing Grille Kit. Either grille easily plugs into the grille receptacle to give you the fan of your CHOICE!

PC Fan models include receptacles based on compatibility. Learn more in our Accessories section.



Integral Vibration Isolators

S&P Premium CHOICE fans feature Integral Vibration Isolators standard on select styles*.



* Not standard in PCV50, or PCLP fans. Available as an optional accessory

As buildings are being built with higher quality construction methods, balanced ventilation methods are more important than ever. An unbalanced home results in poor Indoor Air Quality (IAQ), causing inadequate conditions for your home and the inhabitants. As codes change, it is important for you to understand why Indoor Air Quality is so important and the options available to you from S&P USA.



Americans spend
90%
of their time
INDOORS.

Indoor Air can be
2-5
TIMES
MORE POLLUTED
THAN OUTSIDE AIR

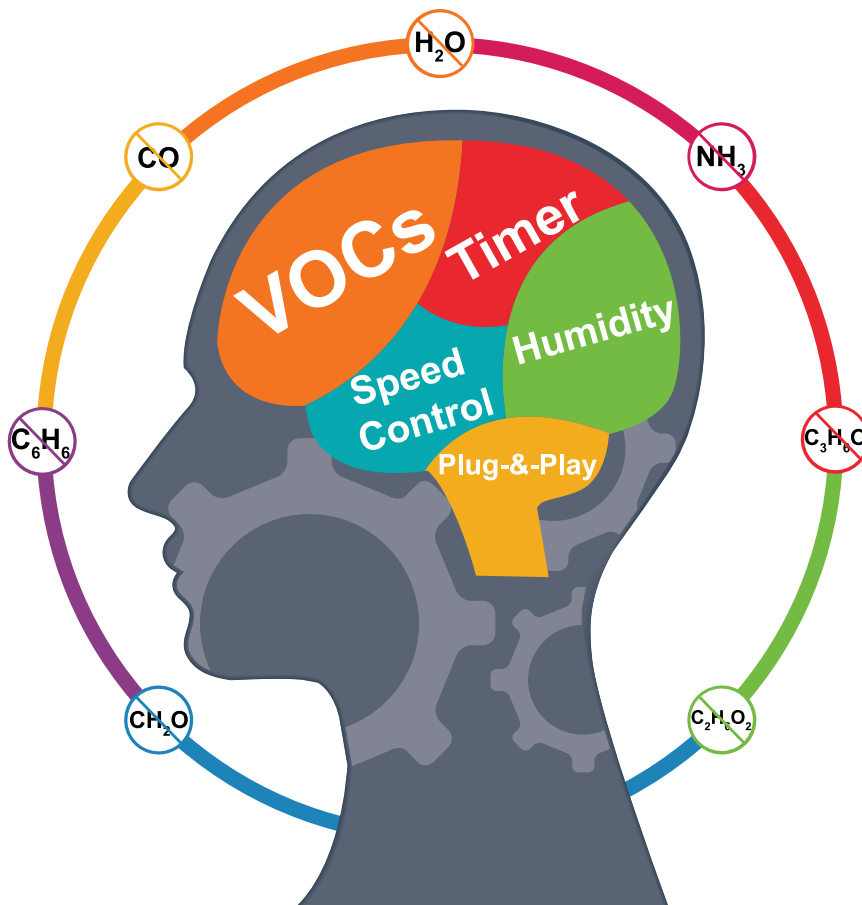
The EPA ranks
**INDOOR AIR
POLLUTANTS**
as a
**TOP
FIVE**
HEALTH RISK.

IAQ Sense : A FAN THAT THINKS!

IAQ Sense makes Premium CHOICE fans the most intelligent fan on the market. The IAQ SENSE sensor plugs into a standard PC fans and automatically detects VOCs and humidity within a room, running when and where its needed.

Simply set up the sensor to your preferred concentration of particles (PPM) , and forget it. When the PPM is reached or a rapid increase of moisture is detected, the fan will turn on to a high speed to quickly exhaust the room; once a certain time has been reached, the fan will adjust to run at a low speed.

The IAQ sensor includes a speed control to adjust the fan at a percentage of full speed so the fan can be run continuously to meet code requirements. A PC fan with a PCIAQS is a fan you can trust to keep you, your family, and your home safe.



IAQ SENSE DETECTS & EXTRACTS:

- Humidity
- Carbon Monoxide (CO)
- Carbon Dioxide (CO₂)
- Ammonia
- Acetone
- Benzene
- Ethylene glycol
- Formaldehyde
- Methylene chloride
- other harmful VOCs

AC Standard Models



FEATURES

- Extremely quiet operation 0.5 to 1.1 sones
- Available as Contractor Packs (pack of 4)

MODELS

- PC50X
- PC150

MODULE + GRILLE COMPATIBILITY for PC50X and PC150

Module/Grille	PC Standard AC Model	
	PC50X	PC150
PCLK	-	✓
PCLEDK	-	✓
PCLMK	-	✓
PCMK	-	✓
PCVLK	✓	-
PCVLEDK	✓	-
PCHS	✓	✓
PCBTS	-	✓
PCSC	✓	✓
PCIAQS	-	✓
PCMG	-	✓

Premium CHOICE XP Series



FEATURES

- Extremely quiet operation 0.3 to 1.1 sones
- Redesigned blower
- Seamless Plug-&-Play intergration

COMING SOON:

Contractor Packs for PC80XP + PC110XP (pack of 4)

MODELS

- PC80XP
- PC110XP
- PCXP 230V

MODULE + GRILLE COMPATIBILITY for PC110XP + PCXP 230V

Module/Grille	PC80XP	PC110XP	PCXP 230V
PCLKP	✓	✓	-
PCLEDKP	✓	✓	-
PCHSP	✓	✓	-
PCSCP	✓	✓	✓
PCIAQSP	✓	✓	-
PCMGP	✓	✓	✓
PCMHKP	✓	✓	-
PCLMHKP	✓	✓	-



The new Premium CHOICE XP series is built for today's demanding requirements featuring seamless Plug-&-Play integration and a redesigned blower for a quiet, energy efficient performance.

* UL certified includes 230V ONLY

DC Motor Models



FEATURES

- Extremely quiet operation 0.3 to 2.5 sones
- Brushless DC motor for long life
- High/Low speed delay timer (Excluding PCD200)
- 6-year warranty

MODELS

Model	Built-in Control	Grille
PCD80XH	Humidity Sensor	Standard
PCD110X	-	Standard
PCD110XH	Humidity Sensor	Standard
PCD110XM	-	Motion Sensing
PCD110XMH	Humidity Sensor	Motion Sensing
PCD110XIAQS	IAQ Sense	Standard
PCD200	-	Standard

MODULE + GRILLE COMPATIBILITY

	PCD80XH	PCD110X	PCD110XH	PCD110XM	PCD110XMH	PCD110XIAQS	PCD200
PCLK	-	✓	✓	-	-	✓	-
PCLEDK	-	✓	✓	-	-	✓	-
PCDLMG	-	-	-	✓	✓	-	-
PCMG	-	✓	✓	-	-	-	-
PCRD	-	✓	✓	-	-	✓	-
PCVLK	✓	-	-	-	-	-	-
PCVLEDK	✓	-	-	-	-	-	-
PCVRD	✓	-	-	-	-	-	-
PCVLEDKRD	✓	-	-	-	-	-	-
PCHS	-	-	-	-	-	-	✓

Low Profile Models



FEATURES

- Low profile housing design
- Suitable for sidewall mounting
- Quiet operation 1.2 to 2.0 sones
- 5-year warranty
- Available as Contractor Packs (Pack of 4)

MODULE + GRILLE COMPATIBILITY

	PCLP80	PCLP100
PCLPLEDK	✓	✓
PCLPHS	✓	✓
PCLPSC	✓	✓

Value Series Models



FEATURES

- Quiet operation 1.5 to 2.5 sones
- 4" duct connector with built-in backdraft damper
- 5-year warranty

MODELS

- PCV50
- PCV80 (ENERGY STAR® Certified)

MODULE + GRILLE COMPATIBILITY

Module/Grille	PCV50	PCV80
PCVLK	✓	✓
PCVLEDK	✓	✓
PCHS	✓	✓
PCSC	-	✓

Recessed Vent Light



FEATURES

- Designed to look like a recessed can light
- Quiet operation 1.2 sones
- 5-year warranty

MODULE + GRILLE COMPATIBILITY

Module/Grille	PCRL80	PCRL80F
PCRL80LC	✓	Included
PCHS	✓	✓
PCSC	✓	✓

METAL GRILLE

Metal Grille - PCMG/PCMGP

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



SENSING GRILLE KIT

Motion Sensing Grille Kit- PCMK

- Adjustable high speed run time delay from 3 to 30 minutes
- Continuous low speed operation (adjustable from 30-100% of high speed) when motion is not detected
- Automatic boost to high speed operation when motion is detected



LIGHTED GRILLE KIT

CFL Lighted Grille Kit- PCLK/PCLKP

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



Motion Sensing Lighted Grille Kit- 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%



LED Lighted Grille Kit- PCLEDK/PCLEDKP

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



Motion and Humidity Sensing Grille Kit -PCMHK/PCMHKP

- Automatically turns on fan when motion or humidity is sensed
- Adjustable time delay shut-off from 3 to 30 minutes
- Adjustable speed reduced up to 50%



LIGHTED GRILLE KIT

CFL Lighted Grille Kit-PCVLK

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



Motion and Humidity Sensing Lighted Grille Kit-PCLMHK/ PCMHKP

- 13 watt GU24 bulb
- 2700K/900 lumens
- 4 watt night light bulb
- Automatically turns on fan when motion and/or humidity is sensed
- Adjustable time delay shut-off from 3 to 30 minutes
- Adjustable speed reduced up to 50%



LED Lighted Grille Kit-PCVLEDK

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



LED Lighted Grille Kit for PCLP- PCLPLEDK

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



Plug-&-Play Modules

Humidity Sensor - PCHS/PCHSP

- Detects rapid rise in humidity
- Auto-shut off timer
- Accessible sensitivity adjustment
- Meets CALGreen bathroom fan requirement
- Simple plug-in receptacle in fan housing
- Can be installed with new or pre-installed fan



Speed Control - PCSC/PCSCP

- Accessible speed adjustment
- High speed override
- Allows for adjustable continuous speed to meet ASHRAE 62.2
- Simple plug-in receptacle in fan housing
- Can be installed with new or pre-installed fan



Bluetooth® Speaker - PCBTS

- High quality Bluetooth® wireless speaker
- Easy pairing with most Bluetooth® - enabled devices
- After initial pairing, connection to device is automatic
- 30 foot Bluetooth® range
- Simple plug-in receptacle in fan housing
- Can be installed with new or pre-installed fan



IAQ Sense, VOC/Humidity Sensor PCIAQS/PCIAQSP

- Detects VOCs and/or rapid rise in humidity
- Semiconductor gas sensor, detecting a wide range of VOCs
- Monitoring range is 400-2000 ppm equivalent CO2
- Continuous speed control to run fan continuously
- Integrated control switch to turn features on/off
- Field adjustable humidity sensitivity with 50-100% range. Factory setting is 75%
- Humidity is sensed at the ceiling
- Simple plug-in receptacle in fan housing
- Can be installed with new or pre-installed fan
- Meets CALGreen bathroom fan requirement



Humidity Sensor - PCLPHS

- Detects rapid rise in humidity
- Auto-shut off timer
- Accessible sensitivity adjustment
- Meets CALGreen bathroom fan requirement
- Simple plug-in receptacle in fan housing
- Can be installed with new or pre-installed fan



Speed Control - PCLPSC

- Accessible speed adjustment
- High speed override
- Allows for adjustable continuous speed to meet ASHRAE 62.2
- Simple plug-in receptacle in fan housing
- Can be installed with new or pre-installed fan



Wall Control Options

3- Switch Control-PC3S

- Three Rocker Combination Switch with ground screw terminals and push-in wiring



Fan/Light Delay Timer Switch-FLTD-60

- One Switch controls fan and light
- Digital Timing circuit
- Saves energy by automatically turning exhaust fan off
- Fits single switch outlet box



Rotary Spring Wound Timer-SRT-30

- Hold feature enables user to override the automatic shut-off function
- Time saving up front terminal connection with teeter-type terminals
- Press-on knob design ensures quick and easy installation
- CFL Compatible



Electronic Push Button Timer-EPBT-60

- 10-20-30-60 minute timer
- Activate by pushing the button



ASHRAE 62.2 Bath Fan Ventilation Control - FT622

- Programmable DELAY and VENTILATION settings
- Works with ALL incandescent, CFL, fluorescent and LED lights up to 450 watts
- Earn LEED and ENERGY STAR points for enhanced exhaust ventilation



Programmable Fan Timer 24 Hours/ 7 Days - FT247

- Provides 7 ON and 7 OFF events per day
- LCD display
- Rechargeable battery back-up
- Push button activation
- **Note:** Do not use with fluorescent lamp ballasts



PC COMPATIBILITY

for PC50X, PC80X and PC150

Module/Grille	PC Standard AC Model	
	PC50X	PC150
PCLK	-	✓
PCLEDK	-	✓
PCLMK	-	✓
PCMK	-	✓
PCVLK	✓	-
PCVLEDK	✓	-
PCHS	✓	✓
PCBTS	-	✓
PCSC	✓	✓
PCIAQS	-	✓
PCMG	-	✓

for PC110XP + PCXP 230V

Module/Grille	PC80XP	PC110XP	PCXP 230V
PCLKP	✓	✓	-
PCLEDKP	✓	✓	-
PCHSP	✓	✓	-
PCSCP	✓	✓	✓
PCIAQSP	✓	✓	-
PCMGSP	✓	✓	✓
PCMHKP	✓	✓	-
PCLMHKP	✓	✓	-

PCD COMPATIBILITY

MODULE/GRILLE	PCD80XH	PCD110X	PCD110XH	PCD110XM	PCD110XMH	PCD110XIAQS	PCD200
PCLK	-	✓	✓	-	-	✓	-
PCLEDK	-	✓	✓	-	-	✓	-
PCDLMG	-	-	-	✓	✓	-	-
PCMG	-	✓	✓	-	-	-	-
PCVLK	✓	-	-	-	-	-	-
PCVLEDK	✓	-	-	-	-	-	-
PCVRD	✓	-	-	-	-	-	-
PCHS	-	-	-	-	-	-	✓

PCLP COMPATIBILITY

MODULE/GRILLE	PCLP80	PCLP100
PCLPLEDK	✓	✓
PCLPHS	✓	✓
PCLPSC	✓	✓

PCRL COMPATIBILITY

MODULE/GRILLE	PCRL80	PCRL80F
PCRL80LC	✓	Included
PCHS	✓	✓
PCSC	✓	✓

PCV COMPATIBILITY

MODULE/GRILLE	PCV50	PCV80
PCVLK	✓	✓
PCVLEDK	✓	✓
PCHS	✓	✓
PCSC	-	✓
PCVRD	✓	✓
PCVLEDKRD	✓	✓

Radiation Damper (PCRD, PCRD-P2, & PCVRD)

- 3-hour rating ceiling radiation dampers
- Ceramic fiber with fiberglass cover fire blanket
- Roll-formed frame 22 g. galvanized steel
- PCRD-P2 is an extended radiation damper to allow lighted grille fit
- cETLus Listed



Radiation Damper Kits

Radiation Damper Kit	Radiation Damper	Grille
PCLKRD	PCRD-P2	PCLK
PCLKRDP NEW	PCRD-P2P	PCLKP
PCLEDKRD	PCRD-P2	PCLEDK
PCLEDKRDP NEW	PCRD-P2P	PCLEDKP
PCMKRD	PCRD-P2	PCMK
PCLMKRD	PCRD-P2	PCLMK
PCMHKRD	PCRD-P2	PCMHK
PCMHKRDP NEW	PCRD-P2P	PCMHKP
PCLMHKRD	PCRD-P2	PCLMHK
PCLMHKRDP NEW	PCRD-P2P	PCLMHKP
PCMGKRD	PCRD	PCMG
PCMGKRDP NEW	PCRD	PCMGP
PCVLEDKRD	PCVRD	PCVLEDK
PCD110MRD	PCRD-P2	PCMRG
PCDLMGRD	PCRD-P2	PCDLMG

RD COMPATIBILITY

MODULE/ GRILLE	PCLKRD	PCLKRDP	PCLEDKRD	PCLEDKRDP	PCMKRD	PCLMKRD	PCMHKRD	PCMHKRDP	PCLMHKRD	PCLMHKRDP	PCMGKRD	PCMGKRDP	PCVLEDKRD	PCD110MRD	PCDLMGRD	PCRD	PCVRD
PC50X	-	-	-	-	-	-	-	-	-	-	-	-	✓	-	-	-	✓
PC150	✓	-	✓	-	✓	✓	✓	-	✓	-	✓	-	-	-	-	✓	-
PC80XP	-	✓	-	✓	-	-	-	✓	-	✓	-	✓	-	-	-	✓	-
PC110XP	-	✓	-	✓	-	-	-	✓	-	✓	-	✓	-	-	-	✓	-
PCD80XH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCD110X	✓	-	✓	-	-	-	-	-	-	-	✓	-	-	-	-	✓	-
PCD110XH	✓	-	✓	-	-	-	-	-	-	-	✓	-	-	-	-	✓	-
PCD110XM	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	-
PCD110XMH	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	-
PCD110XIAQS	✓	-	✓	-	-	-	-	-	-	-	✓	-	-	-	-	✓	-
PCD200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCLP80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCLP100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCV50	-	-	-	-	-	-	-	-	-	-	-	-	✓	-	-	-	✓
PCV80	-	-	-	-	-	-	-	-	-	-	-	-	✓	-	-	-	✓
PCRL80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCRL80F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

MODULE + GRILLE COMPATIBILITY

The chart below indicates which plug-&-play grilles and modules can be used together.

	Std. Grille	PCLK	PCLKP	PCLDK	PCLDKP	PCVLK	PCVLEDK	PCMK	PCLMK	PCMHK	PCMHKP	PCLMHK	PCLMHKP	PCBTS	PCHS	PCHSP	PCSC	PCSCP	PCIAQS	PCIAQSP	PCMG	PCMGP
Std. Grille	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	-	-
PCLK	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	✓	-	✓	-	-	-
PCLKP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	-	✓	-	✓	-	-
PCLDK	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	✓	-	✓	-	-	-
PCLDKP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	-	✓	-	✓	-	-
PCVLK	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	✓	-	-	-	-	-
PCVLEDK	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	✓	-	-	-	-	-
PCMK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCLMK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCMHK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCMHKP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCLMHK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCLMHKP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PCBTS	✓	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	-
PCMG	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	✓	-	✓	-	-	-
PCMGP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	-	✓	-	✓	-	-
PCHS	✓	✓	-	✓	-	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	-
PCHSP	✓	-	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓
PCSC	✓	✓	-	✓	-	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	-
PCSCP	✓	-	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓
PCIAQS	✓	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	-
PCIAQSP	✓	-	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓
PCRD	✓	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
PCVRD	✓	-	-	-	-	-	✓	-	-	-	-	-	-	✓	✓	-	✓	-	-	-	-	-



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