

Heating & Air Conditioning **Amana**[®]

Specification Sheet



FULL WARRANTY

- 1st Year
- 2nd- through 5th-Year—Sealed System

LIMITED WARRANTY

- 2nd- through 5th-Year—Parts



DigiSmart™ Control Board



- User-friendly LED display and buttons with a lighted green LED to indicate unit status
- One-button activation initiates cooling or heating operation

- On-board Energy Management Systems (EMS) programs help regulate unit energy usage
- Programmable Electronic Temperature Limiting helps prevent overheating or overcooling
- Enhanced Dehumidification Cooling Mode increases dehumidification run times
- Extensive diagnostics allow you to read the unit's operational status and temperatures
- Remote thermostat capability allows you to connect to a wide variety of approved wired thermostats with "B" or "O" connections or optional future capability to communicate with an Amana[®] brand RF wireless thermostat
- Backward compatibility allows for installation on all units produced since 1996
- Inactivity temperature set-back program



DigiSmart™ PTAC

Packaged Terminal Air Conditioner and Heat Pump

We have designed the Amana[®] brand packaged terminal air conditioner for customer comfort and owner peace of mind. No other unit in the industry offers so many extras included as standard features for every unit. With all the benefits our units offer, you no longer need to settle for anything less than the Amana[®] brand standard advantage.

Onboard Energy Management System (EMS) equips you with the technology to better control room temperatures and save energy dollars.

Bent Coil Design maximizes airflow through the 25%-increased primary and secondary coil surfaces, which further cools the refrigerant and maximizes the sealed system life. This design also allows us to maximize the fan slinger ring by adding side surface for the condensate to be evaporated, reducing condensate over-flow. Why bend the coil? Quite simply, to get the maximum primary coil surface area possible into an industry standard-sized wall sleeve. More primary coil surface means more efficient heat transfer, lower system operating temperatures, longer compressor life, better condensate dispersion, and sustainable high efficiencies.

Forward-curved 9-Blade Condenser Fan has been designed to move more air more efficiently and with much less operating sound than fans with fewer blades. The result is a more efficient unit that will last longer and operate quietly.

Removable Top Condenser Shroud allows easy access to clean the condenser coil and maintain the unit's efficiency and capacity

Pullout Filter Design allows easy access to clean or replace the filter. Just open the front louver and pull out the filter. The slide-out design also allows you to use many optional approved filter media, such as our Activated Charcoal Filter Kit (CFK01B).

Programmable Inactivity Setback Program allows configuring of the unit to automatically start a temperature setback routine. If none of the buttons have been pushed for a period of 18 hours, the unit will go into a 3-step temperature setback routine, saving energy in unrented or unoccupied rooms.

Deep Base Pan & Sub-cooler holds additional condensate water and allows more of the coil surface to be immersed in condensate water, which further cools the refrigerant and maximizes heat transfer. The new sub-cooler design is in the deepened base pan and adds additional heat transfer. The result is higher efficiency and a cooler sealed system, which equates to longer life.

WS900D Wall Sleeve: The new Stonewood wall sleeve has been designed using a technique to dramatically strengthen and make the sleeve more rigid. The sleeve's base pan has also been enhanced by now being made of drawn steel, so the sleeve has no corner seams that can break and potentially leak if improperly installed. (This item purchased separately.)

Specification Sheet

Features

DigiSmart™ Control Board: The large, easy-to-read LED display and touch pad control board operate the unit with a mere 6 activation buttons, which helps prevent guest confusion about what needs to be activated to quickly achieve the desired temperature. When confusion is averted, you conserve energy by not over-cooling or over-heating the room.

Compatibility and Flexibility: The DigiSmart™ control board has communication connections allowing for easy attachment of many wired devices or future communications capability to Amana-approved wireless peripheral devices and is fully BACnet compliant. The microprocessor chips in the DigiSmart™ control board have the ability to be reflashed with any changes and upgrades in the future so you are not locked into yesterday's technology.

One Button Activation: By pressing one button (Cooling or Heating), the unit LED display and fan are activated. The unit activates Cooling or Heating operation mode and defaults to a reasonable temperature, saving you money by not wasting energy to attain a desired temperature.

On-Board Energy Management Programs: You can choose to configure the unit to operate in a setback mode, saving additional energy by keeping the room at energy-efficient temperature ranges.

Enhanced Dehumidification Cooling Mode: Configure the unit to operate in the occupied or unoccupied extra dehumidification mode. When selected, the unit stays in the cooling mode for longer cycles, allowing more air to pass across the coil while it is below the dew point, thus, increasing the amount of moisture removed from the room.

Programmable Electronic Temperature Limiting: Cooling operation, heating operation or both can be programmed to limit the operation in one-degree increments, preventing the room guest from over-cooling or over-heating the room. For cooling operation, the temperature can be limited between 60 °F and 72 °F; for heating operation, the temperature can be limited between 74 °F and 90 °F.

LED Status Light: The touch pad control board has an easy-to-view green LED status light. The illuminated LED indicates the unit has generated an operational warning that needs to be reviewed, such as a dirty filter or dirty coil that should be cleaned. If the status light remains illuminated, this indicates other operational conditions that should be checked and corrected.

Extensive Unit Operational Self-Diagnostics: The unit can be easily entered into diagnostic mode and the LED display will show any of the 10 possible 2-digit self-diagnostic codes. You can instantly know when the filter or coils just needs cleaning or if a servicer should be called.

Remote Energy Management Systems (EMS) Ready: The unit's 18-pin low-voltage connector allows the unit to be connected to many wired energy management systems (EMS). The control board has low-voltage terminals for a wired room motion sensor, a door switch or a remote-mounted thermostat. Two serial communication ports also allow for future communications capability to many other types of Amana approved wireless RF peripheral devices.

Remote Thermostat Ready: The unit has an 18-pin connector with 7-low voltage terminals dedicated for easy connection to a wide variety of remote wired thermostats. The unit's off-board 20 va transformer has enough power to supply energy to most commercially available thermostats. Also the unit can be configured to be used with either a "B" or an "O" terminal further increasing the types of thermostats that can be connected to the unit.

Low Voltage Easy-Access Interface: The control board has an 18-pin connector that allows for easy connection of many peripheral devices: Remote thermostats; room-to-room transfer fans; front desk switches; load shedding switches, emergency hydronic heat switches, room motion sensors and door motion switches or sensors all can be easily connected to the board.

Energy Efficiencies. Our units' high efficiencies can qualify you for many of the rebates offered by electrical power companies. EERs up to 12.8 and heat pump COPs up to 3.6 keep energy consumption to a minimum.

Quiet Operation. Our PTAC has been redesigned to be the quietest PTAC we've ever built. The unit's state-of-the-art design and construction provide a quiet environment, allowing guests to enjoy peaceful, sleep-filled nights. Operating sound levels are further dampened when the unit is in "low fan" mode of operation.

Increased Dehumidification Capacity. Maintain lower humidity levels in rooms while cooling them without the need for expensive add-ons. As a result, guests feel more comfortable at higher temperatures, thus reducing cooling costs, and increasing the life of your furniture, wall coverings, and fixtures is extended, which means less replacement costs.

Features (cont.)

7³/₈" Unit Front. Enhance valuable room space—the unit front has a sleek 7³/₈" depth, one of the shallowest silhouettes in the industry today. In addition, to inhibit guest-tampering, the front can be secured to the chassis with a hidden screw.

Zero Floor Clearance. Unit can be installed flush to the finished floor, if desired. (Some accessories do not have zero clearance).

Condensate Dispersion System. Our condensate dispersion system removes condensate from indoor cooling operation by throwing water directly on to the outdoor "bent" coil for rapid evaporation and increased cooling efficiencies. The slinger ring on the new, enhanced 9-bladed fan draws water up and into fan blades. This water is then atomized and evaporated into the atmosphere through the condenser. Increased surface area from the unique "bent" coil design allow more water to get evaporated on the sides of the coils and helps to minimize condensate run-off.

Front Desk Control. Obtain greater savings by centrally controlling units and eliminate wasted energy generated by cooling and heating unoccupied rooms. Each unit has low voltage interface capability with a field supplied front desk ON/OFF switch. The control can now be configured for Front Desk Temperature set-back options instead of simply turning off the unit.

Freeze Protection. When the unit senses temperatures of 40 °F or below, the unit activates the fan motor and either the electric resistance heater or the hydronic heater. This may help prevent bursting water pipes or broken fixtures caused by freezing temperatures.

Versatile Style. Our unit's stylish design and neutral color make it compatible with virtually any room décor or architectural design. The unit becomes less noticeable as it blends into the room's color scheme.

Stonewood Room Front. Our new Stonewood room front strikes the balance between attractive styling and practical design. Distinctive contours and a modern appearance enhance the character of even the most luxurious room, while the sleek 7³/₈" depth—one of the shallowest in the industry—maximizes usable space for your guests.

Extended Heat Pump Heating. The heat pump models will operate in the heat pump heating mode down to as low as 24 °F outdoor ambient, providing additional hours of energy-saving operation.

30-Second Fan Off Delay. Fan continues to run 30 seconds after compressor has stopped in either cooling or heat pump mode and after electric heat has been turned off. This improves efficiency by dispersing the conditioned air on the coils into the room.

Compressor Lock-In. This feature helps prolong the life of the compressor by preventing short-cycling. When the compressor is switched from Off to On because room temperature has risen or fallen below the specified limit, it will remain on for at least 4 minutes. If the temperature set point is changed during this 4 minutes, the lock-in feature is overridden.

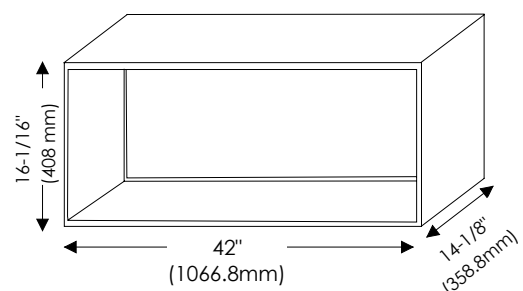
Automatic Emergency Heat. No more "my unit is not heating" complaints during the middle of the night. Heat pump units will automatically switch over to electric resistance heat if for any reason the heat pump compressor system fails or if the heating load is greater than the unit capacity.

Reduced Outdoor Sound Transmission. With our STC (Sound Transmission Coefficient) rating of 27, we keep outdoor sounds out-of-doors. By installing the optional STC 30 Rating Accessory Kit, ratings can be increased to STC 30, thereby meeting or exceeding most ratings requirements. **(Kit ordered separately.)**

Hidden Ventilation Control. The ventilation control lever is hidden from the occupant's view to allow you to manage ventilation requirements.

Optional Accessory

Wall Sleeve (14¹/₈" x 42" x 16¹/₁₆"). No more worries about changing out non-standard sleeves that do not accommodate the bulk of what the industry has to offer. Our wall sleeve is an industry-standard size of 14¹/₈" deep x 42" wide x 16¹/₁₆" high. (Please Note: Wall Sleeve must be ordered separately.)



Specification Sheet

PTC Model Specifications—Cooling/Electric Heat

Model ^{1, 7, 9, 10}		PTC073B**A-	PTC074B**A-	PTC093B**AK	PTC094B**AG	PTC123B**AK	PTC124B**AG	PTC153B**AK	PTC154B**AG
Voltage ^{1, 3, 11}		230/208	265	230/208	265	230/208	265	230/208	265
Capacity (BTUH)	G & K Models H & L Models	K = 7,100/6,900 L = 7,400/7,300	G = 7,100 H = 7,300	9,100/8,900 N/A	9,100 N/A	12,000/11,900 N/A	12,000 N/A	14,000/13,900 N/A	14,000 N/A
Amps		2.8/3.0	2.3	3.7/3.8	3.0	4.6/5.0	4.3	6.3/6.9	5.9
Watts		610/595	610	790/775	790	1,110/1,100	1,130	1,470/1,450	1,470
EER	G & K Models H & L Models	K = 11.6/11.6 L = 12.4/12.8	G = 11.6 H = 12.4	11.5 N/A	11.5 N/A	10.8 N/A	10.8 N/A	9.5 N/A	9.5 N/A
Unit without Electric Heater									
Min. Circuit Ampacity ^{2, 4}		4.0	3.6	5.1	4.4	6.4	5.7	8.8	7.7
CFM (Cool/Wet Coil)	High Low	245/240 220/205	245 220	245/240 220/205	245 220	325/315 250/229	325 250	325/315 250/220	325 250
CFM (Dry Coil)	High Low	265/260 230/215	265 230	265/260 230/215	265 230	345/335 265/235	345 265	345/335 265/235	345 265
Ventilated Air, CFM (Fan Only)*		65*	65*	65*	65*	70*	70*	70*	70*
Ventilated Air, CFM (Compressor & Fan)*		65*	65*	65*	65*	70*	70*	70*	70*
Dehumidification (Pints/Hr.)		1.6	1.6	2.6	2.6	3.5	3.5	4.4	4.4
Net Weight (lbs.)		90	90	95	95	105	105	110	110
Shipping Weight (lbs.)		105	105	110	110	120	120	125	125

- Denotes G, H, K or L model

*Approximately 95 CFM with optional power vent kit. Actual vent CFM performance will vary due to application and installation conditions.

PTC and PTH Models—Electric Heater Performance (Primary Heating for PTC Models; Auxiliary Heating for PTH Models)

See page 11 for Power Cord Configuration

Voltage	Electric Heater Size (kW)	No. of Stages	Nominal Heating			Total Watts ⁶	Total Amps ⁸	Minimum Circuit Ampacity ²	Overcurrent Protection ⁴	Power Cord
			BTUH @ 230V	BTUH @ 208V	BTUH @ 265V					
230/208V	2.5/2.0	1	8,500	6,800	--	2,650/2,140	11.5/10.2	14.2	15	6 - 15 P
230/208V	3.5/2.9	1	12,000	9,900	--	3,650/3,040	15.8/14.5	19.6	20	6 - 20 P
230/208V	5.0/4.1	1*	17,100	14,000	--	5,150/4,240	22.3/20.3	27.7	30	6 - 30 P
265V	2.5	1	--	--	8,500	2,650	10.0	12.4	15	7 - 20 P
265V	3.7	1	--	--	12,600	3,850	14.6	18.1	20	7 - 20 P
265V	5.0	1*	--	--	17,100	5,150	19.5	24.2	25	7 - 30 P

*PTH/PTC09*B50*G/K has the same air flow as a PTC/PTH12*B***G. (Not available on 7,000 BTU models.)

NOTES:

- All 265v models must use our subbase (PTSB4**E) or an Amana® brand hard wire kit (PTPWHWK4)
- Minimum branch circuit ampacity ratings conform to the National Electric Code. However, local codes should apply.
- Minimum voltage on 230/208 volt models is 197 volts; maximum is 253 volts. Minimum voltage on 265 volt models is 238.5 volts; maximum is 291.5 volts.
- Overcurrent protection for **all units without electric heaters** is 15 amps. Overcurrent protection on 265 volt models must be cartridge-style time delay fuses (included and factory-installed on Amana® brand all 265 volt chassis).
- Heating capacity and efficiency is based on unit operation without condensate pump. Unit automatically switches to electric heat at approximately 24 °F outdoor ambient.
- Total watts for 12,000 and 15,000 Btuh models. Subtract 70 watts for PT07/09*B**A*.
- Please specify 2-digit heater kW size to complete model number.
- Total amps for 12,000 and 15,000 Btuh models; subtract 0.2 amps for PT07/09*B**A*.
- Refrigerant used in all systems is R-22.
- All units meet or exceed ASHRAE 90.1 standards.
- All units less than 250 volts have a Leak Current Detector Interrupter (LCDI) power cord and meet UL 484 standards.



Green Status LED

PTH Model Specifications—Cooling/Heat Pump/Electric Heat

Model ^{1, 7, 9, 10}		PTH073B**A-	PTH074B**A-	PTH093B**AK	PTH094B**AG	PTH123B**AK	PTH124B**AG	PTH153B**AK	PTH154B**AG
Voltage ^{1, 3, 11}		230/208	265	230/208	265	230/208	265	230/208	265
Capacity (BTUH)	G & K Models	K = 7,000/6,800	G = 7,000	9,100/8,900	9,100	12,000/11,800	12,000	14,000/13,900	14,000
	H & L Models	L = 7,400/7,300	H = 7,300	N/A	N/A	N/A	N/A	N/A	N/A
Amps		2.8/3.0	2.3	3.5/3.8	3.0	4.6/5.0	4.3	6.3/6.9	5.9
Watts		605/585	605	790/775	790	1,110/1,090	1,110	1,505/1,495	1,505
EER	G & K Models	K = 11.6/11.6	G = 11.6	11.5	11.5	10.8	10.8	9.3	9.3
	H & L Models	L = 12.4/12.8	H = 12.4	N/A	N/A	N/A	N/A	N/A	N/A
Units without Electric Heater									
Min. Circuit Ampacity ^{2, 4}		4.0	3.6	5.1	4.4	6.4	5.7	8.8	7.7
CFM (Cool/Wet Coil)	High	245/240	245	245/240	245	325/315	325	325/315	325
	Low	220/205	220	220/205	220	250/229	250	250/220	250
CFM (Dry Coil)	High	265/260	265	265/260	265	345/335	345	345/335	345
	Low	230/215	230	230/215	230	265/235	265	265/235	265
Ventilated Air, CFM (Fan Only)*		65*	65*	65*	65*	70*	70*	70*	70*
Ventilated Air, CFM (Compressor and Fan)*		65*	65*	65*	65*	70*	70*	70*	70*
Dehumidification (Pints/Hr.)		1.6	1.6	2.6	2.6	3.5	3.5	4.4	4.4
Net Weight (lbs.)		95	95	100	100	110	110	115	115
Shipping Weight (lbs.)		110	110	115	115	125	125	130	130

- Denotes G, H, K or L model

* Approximately 95 CFM with optional power vent kit. Actual vent CFM performance will vary due to application and installation conditions.

**EER - Energy Efficiency Rating per Air Conditioning & Refrigeration Institute (ARI) Test Procedures and Canadian Standards Association (CSA) EEV Test Procedures

PTH Models—Reverse Cycle Heating Performance

Heating Capacity ¹		PTH073B**A-	PTH074B**A-	PTH093B**AK	PTH094B**AG	PTH123B**AK	PTH124B**AG	PTH153B**AK	PTH154B**AG	
BTUH⁵	G & K Models	K = 6,200/6,000	G = 6,200	8,200/8,000	8,200	10,800/10,600	10,800	13,300/13,200	13,300	
	H & L Models	L = 6,400/6,300	H = 6,200	N/A	N/A	N/A	N/A	N/A	N/A	
Amps		2.6/3.0	2.2	3.2/3.6	2.6	4.5/5.1	3.9	5.7/6.3	5.4	
Watts		550/530	550	750/730	750	1,020/1,000	1,020	1,340/1,330	1,340	
COP⁵	G & K Models	K = 3.3/3.3	G = 3.3	3.2	3.2	3.1	3.1	2.9	2.9	
	H & L Models	L = 3.5/3.6	H = 3.5	N/A	N/A	N/A	N/A	N/A	N/A	
CFM (Dry)		235/230	235	235/230	230	310/290	310	345/335	345	
Heating (BTUH)⁵	62 °F	7,200/7,000	7,200	9,800/9,600	9,800	13,000/12,800	13,000	15,800/15,700	15,800	
	57 °F	6,900/6,700	6,900	9,300/9,100	9,300	12,300/12,100	12,300	15,000/14,900	15,000	
	52 °F	6,500/6,300	6,500	8,700/8,500	8,700	11,600/11,400	11,600	14,200/14,100	14,200	
	47 °F	6,200/6,000	6,200	8,200/8,000	8,200	10,800/10,600	10,800	13,300/13,200	13,300	
	COP*	3.3/3.3	3.3	3.2/3.2	3.2	3.1/3.1	3.1	2.9/2.9	2.9	
	Outdoor Ambient	42 °F	5,900/5,700	5,900	7,700/7,500	7,700	10,100/9,900	10,100	12,500/12,400	12,500
		37 °F	5,600/5,400	5,500	7,200/7,000	7,200	9,400/9,200	9,400	11,700/11,600	11,700
		32 °F	5,300/5,100	5,200	6,700/6,500	6,700	8,600/8,400	8,600	10,800/10,700	10,800
		27 °F	5,000/4,800	5,000	6,200/6,000	6,200	7,900/7,700	7,900	10,000/9,900	10,000
	Rating Point	24 °F	4,800/4,600	4,800	5,900/5,700	5,900	7,500/7,300	7,500	9,500/9,400	9,500
62 °F		580/560	580	810/790	810	1,120/1,100	1,120	1,465/1,455	1,465	
57 °F		575/555	575	800/780	800	1,090/1,075	1,090	1,440/1,430	1,440	
52 °F		555/535	555	775/755	775	1,060/1,045	1,060	1,405/1,395	1,405	
Watts	47 °F	550/530	550	750/730	750	1,020/1,005	1,020	1,340/1,330	1,340	
	42 °F	540/525	560	730/710	730	985/970	985	1,325/1,315	1,325	
	37 °F	530/515	545	705/685	705	950/935	950	1,285/1,275	1,285	
	32 °F	515/500	535	690/670	690	900/885	900	1,240/1,230	1,240	
	27 °F	505/490	525	660/640	660	855/840	855	1,190/1,180	1,190	
	24 °F	500/485	520	640/620	640	830/815	830	1,180/1,170	1,180	

- Denotes G, H, K or L model

See page 4 for Notes and Auxiliary Electric Heater Performance

COP - Coefficient of Performance per ARI Test Procedures Units are rated for capacities and efficiencies.

Specification Sheet

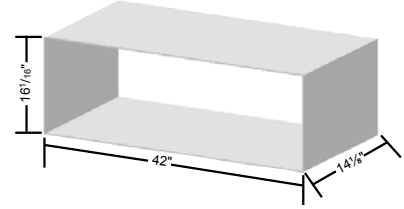
Accessories

Wall Sleeve 14 1/8" (D) x 42" (W) x 16 1/16" (H)

Our insulated, stonewood beige metal sleeves with industry-standard dimensions are shipped with a weather board for use during construction. The WS900D is an industry-standard depth of 14 1/8". The extra-deep sleeves can be custom ordered starting at 16" to 24" (D) in 1" increments. Sleeves may be shipped separately to allow for installation during construction.

WS900D	Standard 14 1/8" Depth
WS9**D1	Extra Deep (16" to 24")

** Depth in inches



Outdoor Grilles

Available in stamped-aluminum or architecturally louvered for application with a WS900D wall sleeve.

AGK—Extruded aluminum architectural grille available with anodized aluminum finish and a baked-on paint finish for durability. Choose from 3 stock colors or a custom color.

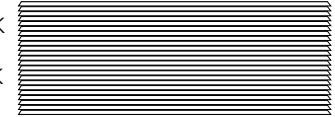
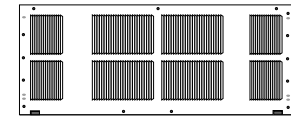
CB (Clear Anodized), DB (Dark Brown/Bronze),

TB (Stonewood Beige), WB (White), SB (Special/Custom Colors)

PGK—One-piece injection molded grille using a polymer blend of engineered thermoplastic high-impact strength material with chemical resistance and an exterior UV protective coating. Choose from 3 stock colors:

DB (Dark Brown/Bronze), TB (Stonewood Beige), WB (White)

Standard Outdoor Grille	
SGK01B	Single Pack
Architectural Grille	
AGK01*B	Single Pack
PGK01*B	Single Pack



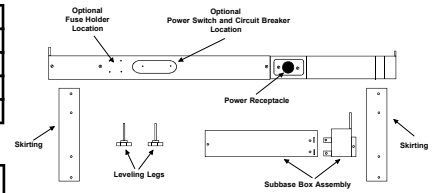
AGK

or
PGK

Subbase Kit

The fully skirted subbase conceals wiring while providing strong support, if needed. Plug-in receptacle and field-wiring access speeds installation. Electrical accessories, such as fuse holders, circuit breakers and disconnect switches, meet N.E.C. requirements.

PTSB320E	230/208V 15/20A
PTSB330E	230/208V 30A
PTSB420E	265V 15/20A
PTSB430E	265V 25A
PTSB000E	Non-electrical



Hard Wire Kit (not shown)

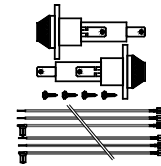
Used to permanently wire to the chassis when a standard subbase and power cord are not utilized.

PTPWHWK4	Hard Wire Kit
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Fuse Holder Kit

Cartridge-style fuses can be installed in the fuse holder for use in the subbase or chassis. Available in 15, 20 and 30 amp (included on 265-volt unit).

FHK315C	230/208V 15A
FHK320C	230/208V 20A
FHK330C	230/208V 30A



Circuit Breaker Kit (230/208V only)

The circuit breaker kit, available in 15, 20 or 30 amp, can be used with Amana® brand subbases. It gives overcurrent protection, and its location allows you to turn the unit on or off without tools.

CBK3**C	Circuit Breaker Kit
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Wire Harness Kit (not shown)

For quick connections of the remote thermostat or front desk with jumpers and connectors.

PWHK01C	Wire Harness Kit
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STC 30 Rating Accessory Kit (not shown)

Raises sound ratings from 27 to 30 to meet or exceed most sound test requirements.

STC101A	10 Pack
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Power Disconnect Switch (not shown)

The PSHW**A power disconnect switch can be used for 265-volt or 230/208-volt physical disconnect, where required by local codes. The switch is rated at 30-amp capacity. The switch is for use with and Amana® brand standard subbases or PTPWHWK4 Hard Wire Kit.

PSHW03A	230/208V
PSHW04A	265V

Thermostats

The following thermostats offer remote control. Any thermostat other than those listed must be submitted to Goodman Company, L.P., for approval prior to use.

Model	Heat Stages	Cool Stages	Display	Type	Shape & Orientation
C5200609	1*	1	Mech.	Manual	Round
D9945801	2**	1	Mech.	Manual	Rect./Horiz.
1246005/6	1*	1	Mech.	Manual	Rect./V or H
1246001	1*	1	Digital	Manual	Rect./Horiz.
1246003	2**	1	Digital	Manual	Rect./Horiz.
1246004	2**	1	Digital	Program	Rect./Horiz.
1241501	2**	1	Digital	Auto Change	Rect./Vert.



* PTC Models Only
** PTC and PTH Models

Subbase Extension Cover Kit

Converts older 30-amp subbases to allow for installation of the larger 30-amp LCDI power cord and plugs.

SBEC10A	10 Pack
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Specification Sheet

Condensate Drain Kit

Attaches to the wall sleeve base pan for controlled internal or external disposal of condensate.

Security Key Locks (not shown)

In conjunction with the tamper-resistant front, the installation of Amana® brand security key locks prevents tampering of the controls used to set temperature, heating and cooling functions. U.L. approved for institutional use only.

Remote Escutcheon Kit (not shown)

Optional kit for use with units controlled via a wired, remote thermostat. Covers control touchpad for wired thermostat installations.

Condenser Baffle Kit

For use on non-baffled grilles. These deflectors direct the air in toward the center and away from the inlet to prevent recirculation of the hot condenser air.

Power Vent Kit (not shown)

Installation of Power Vent increases CFM up to approximately 95. Vent door will automatically close when unit fan is off.

Power Door Kit (not shown)

Vent door will automatically open when unit fan is on.

Hydronic Transformer Relay Kit (not shown)

Add-on kit that allows field conversion of a standard PTC unit to a hydronic unit.

Hydronic Heat Kit

Add-on kits fit all units allowing the addition of hydronic water or hydronic steam heat to cooling and heating units. The kits feature left- or right-hand piping. Unit retains complete service access with a kit installed. Unit must be connected to and operated by a wall thermostat.

Hydronic Valves (not shown)

Water and steam valves are available for use with the HWK03 (water) and HVK03 (steam) heat kits. (See Architects and Engineers Manual for specifications.)

Condensate Removal Pump (not shown)

Can be field installed. Assists in removing condensate developed by heat pump operation and transfers it to indoor coil to dissipate into room while adding humidity to the room.

Spare Filters (not shown)

Helps keep dirt and lint out of the air and off the coil, thus increasing the unit's efficiency. Amana® brand filters are easy to remove, wash and replace.

NEW! Replacement Charcoal Filter Kit (not shown)

Absorbs airborne odors caused by cigarette, pipe or cigar smoke and odors caused by mold, mildew, etc. Filters are made of polyester fibers coated with activated charcoal and are individually wrapped. This filters are permanent and can be washed or cleaned. Call your Amana® brand PTAC sales person for details. 10 filters per pack.

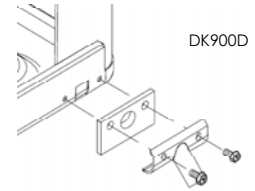
Duct Extension Kit

Extends air distribution to an adjoining room. Consists of a main duct for the room of origin and an extension duct to reach the adjoining room and terminal duct. PTDK01A allows for the new "B" series unit to work with the "A" series duct kits.

Heater Kit—For Heater-less Units Only (not shown)

Optional 1.5kW heater kits are available for use only with models originally shipped without electric heat. Ask salesperson for details.

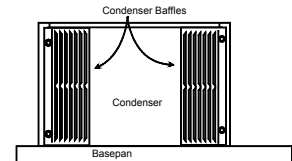
DK900D	Condensate Drain Kit (use with WS900D)
DK9001D	Condensate Drain Kit (use with WS900B & extra deep wall sleeves)
KL03B	Security Key Lock



REK10B	Remote Escutcheon Kit (10-pack)
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Each kit contains 80 wires and wire nuts, enough to attach a thermostat and one additional accessory to 10 PTAC units. Wires come in assorted colors for easy attachment.

DGK1B	Condenser Baffle Kit
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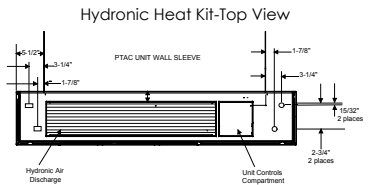


PVK3A	230/208V
PVK4A	265V

PDK3A	230/208V
PDK4A	265V

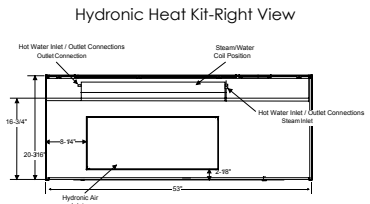
HTK3A	230/208V
HTK4A	265V

HWK03	Hydronic Water Kit
HVK03	Hydronic Steam Kit

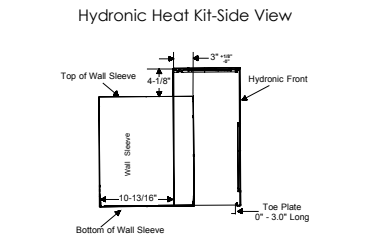


VS2WNCA*	2-way/24V/NC/Steam
VS2WNOA*	2-way/24V/NO/Steam
VW2WNCA*	2-way/24V/NC/End Switch
VW2WNOA*	2-way/24V/NO/End Switch
VW3WNC2B*	3-way/24V/NC/NO/End Switch

* Poptop Actuator



CDP302	230/208V
CDP402	265V

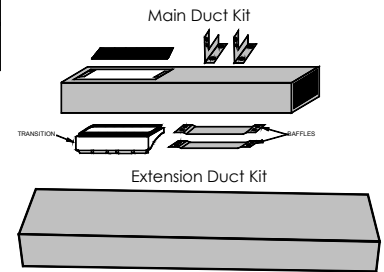


FK10A	Filters (10-pack) - A Series
FK10B	Filters (10-pack) - B Series

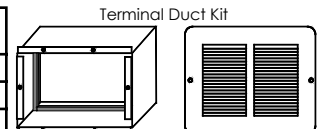


CFK10A	Charcoal Filters (10-pack) - A Series
CFK10B	Charcoal Filters (10-pack) - B Series

MDK02B	Main Duct
EDK02B	Extension Duct
TDK02	Terminal Duct
PTDK01A	Transition Duct Only



	Model Nominal BTUs	230V	208V	265V
Rated Watts	All	1,500	1,200	1,500
Full Load Amps (incl. fan)	7K & 9K	6.9	6.2	6.1
	12K & 15K	7.1	6.4	6.3
Min. Ampacity	7K & 9K	8.6	8.6	7.5
	12K & 15K	8.8	8.8	7.7
Fuse Size	All	15	15	15



Specification Sheet

Furnish and install air cooled through the wall package terminal air conditioners (heat pumps). Units are rated in accordance with the ARI (Air Conditioning & Refrigeration Institute) Standards 310/380-93, CSA (Canadian Standards Association) EEV certification programs and listed by U. L. (Underwriters Laboratories).

Ratings

Each unit must meet the following specifications:

ARI rating of _____ BTUH cooling (and _____ BTUH reverse cycle heating with a COP of _____ at 47° F O.D.)

Electric resistance heat of _____ BTUH. Total Amp draw must be of _____ and _____ Watts at _____ volts.

The unit must remove a minimum of _____ pints of moisture per hour when operated at rating conditions. The EER must be a minimum of _____ EER.

Unit Chassis

Each unit must be slide out design shipped with room cabinet front installed. Unit chassis must have the ability to be installed with 0 clearance from finished floor. An electrical power cord must be included with chassis and installed by the manufacturer to assure proper NEMA 6 or 7 configuration and UL-approved length. Units less than 250 volts must also have a LCDI power cord. Unit must be tested for conformance to ASTM E water infiltration specification **ASTM E 331-86**, which ensures no water infiltration when tested at 8" rain per hour at 63 mph wind for 15 minutes.

Room Cabinet

The monochromatic front of the room cabinet must be able to be field-secured to chassis to inhibit tampering. Filter must be accessible without removing room front. Cabinet depth must not exceed 7 $\frac{3}{8}$ " to minimize unit's impact on room space.

Coils

Unit's coils must have rifled copper tubing expanded into rippled-edge louvered aluminum fins. Exterior coil must be 2-row bent coil design with removable shroud top to allow easy-access for cleaning of the exterior coil.

Heat Pumps

Each unit must include a changeover thermistor that senses an outside ambient switch-over temperature as low as 24 °F, lock-open refrigerant reversing valve during heat pump operation, temperature-activated defrost drain and automatic emergency heat operation to override the heat pump's change-over thermostat and bring on electric resistance heaters in the event of a sealed system failure. Unit must not operate compressor and electric heaters simultaneously.

Compressor

The compressor must be hermetically sealed, internally isolated, rotary-type and permanently mounted on rubber isolators. No removal or adjustment of compressor hold-down bolts is to be required during installation.

Warranty

The warranty is for **Full One Year** on the entire unit; **Full Second through Fifth Year** on the entire sealed refrigerant system components; **Limited Second through Fifth Year** on functional parts only.

Unit Digital Controls

The unit's control must be completely wired and accessible from the top of the chassis. Controls shall be a LED touch-pad design with six large, easy-to-read and use buttons: Heat – Cool – Off – Fan – Temp+ (plus) – Temp- (minus) and two red 7-segment LED temperature displays. Unit shall have a green status LED to advise owner of dirty filter, dirty coil or operational diagnostic messages. Unit shall have 1-button activation via membrane touchpad. Unit control board shall have an 18-pin low-voltage connector to allow for easy connection to remote wired devices. Unit shall have two serial-port connectors for easy connection to wired or future wireless EMS (Energy Management Systems).

Unit must have the ability to easily configure owner-selectable and programmable functions:

- Fan-cycle operation
- Electronic temperature limiting for cooling
- Electronic temperature limiting for heating
- Enhanced dehumidification cooling operation
- Unoccupied 18-hour temperature set-back
- Un-rented temperature set-back
- Multiple unit twinning to one thermostat
- Load-shedding operation
- Front-desk on-off or temperature set-back

Unit must have the ability to connect to approved remote devices:

- Wired thermostat
- Wired door motion sensor
- Wired room motion sensor
- Wired room-to-room transfer fan
- Front Desk Control
- Future RF wireless communications devices

Unit must be able to acquire and display operational temperature data from up to six installed thermistors to include:

- IAT—Indoor air temperature (black)
- ICT—Indoor coil temperature (red)
- IDT—Indoor discharge temperature (yellow)
- OCT—Outdoor coil temperature (blue) (heat pumps)
- Green—Miscellaneous temperature (ex. Outdoor ambient) (optional)
- Orange—Miscellaneous thermistor or analog device (optional)

Evaporator/Condenser Fans

Direct drive with a permanent, split-capacitor, two-speed motor. Condensate must be directed onto the back and sides of the bent coil to aid in evaporation and removal.

Air Discharge

Must be a sloped surface so that obstructions cannot be placed on the unit. Discharge conditioned air can be directed into the room at an angle of 15 or 40 degrees from the vertical position. The discharge grille must be of polycarbonate material to resist bending, cracking, rusting and corrosion.

New installations typically require a minimum of WS900D wall sleeve and an outdoor grille.

Wall Sleeves (WS900D)

The wall sleeve must be industry-accepted dimensions: 14 $\frac{1}{8}$ " depth x 42" width x 16 $\frac{1}{16}$ " height and constructed of G90 HDG galvanized steel with a baked corrosion-inhibiting urethane primer and baked-polyester topcoat enamel. Sleeve must be insulated and shipped with a weather resistant rear closure panel installed.

Outdoor Grilles

Outdoor grille must be architecturally extruded, louvered aluminum (AGK01*B), one-piece polymer-blend injection molded louver (PGK01*B) or standard stamped aluminum (SGK**B). All other grilles must be submitted to the PTAC manufacturer for feasibility, airflow characteristics and compliance with UL regulations, where necessary.

The optional accessories listed below perform specific functions required in some installations.

Condensate Drain Kit (DK900D)

Attaches to the bottom of the wall sleeve for directional-controlled internal or external disposal of condensate, defrost or rain water.

Duct Kits (MDK02B, EDK02B, TDK02)

Three kits must be supplied to provide ducted, conditioned air into a second room: a main duct kit, an extension duct kit and a terminal duct kit.

Subbase Kit (PTSB***E)

Necessary for U.L. listing requirements for 265V units (Hard Wire Kit may be substituted for Subbase kit). Optional for 230/208V units. Must be pre-wired to facilitate field-electrical connections and include a NEMA 6 or 7 configuration electrical receptacle. It must have 2 leveling screws for sleeve support and accurate unit leveling during installation. Locations for field installation of physical disconnect switches, cartridge-style fuse holders and circuit breakers must be provided. Side-skirts must be provided with subbases. (PTSB000E Non-Electrical Subbase available.)

Hydronic Heat Kit

Is required for heating functions instead of electric resistance heaters. Unit must retain complete service access with the kit installed. Proper water or steam valves must be used.

Power Vent & Damper

Must be provided to maximize ventilation air intake to up to approximately 95 CFM. Power vent must be off and damper door closed when unit fan is de-energized.

Condensate Removal Pump (Heat Pumps only)

Must be installed to assist in removing the condensate developed by the heat pump operation and transfer it to the indoor coil to dissipate into the room, adding humidity to the room.

Fuse Holder (included in 265V chassis)

Must be installed either in the unit or the subbase and must match the electrical requirements of the chassis.

Circuit Breaker Kit

Must be installed in subbase to provide overcurrent protection for proper 230/208V amperage. Can also be used as a physical disconnect where local codes permit for 230/208 voltage.

Security Key Locks (KL03B)

Must be installed to prevent tampering of the unit controls. Unit room cabinet must also be secured to the chassis with field supplied screws. U.L.-approved for institutional use only.

Hard Wire Kit

Must be used to permanently wire chassis for hard wire purposes. (For 265V units, Hard Wire Kit may be substituted with Subbase Kit.)

Disconnect Switch

Power disconnect switch must be installed in subbase for use as a physical disconnect, where required by local codes.

Charcoal Filter Kit -- Optional (CFK10B)

Amana® brand Activated Charcoal filters absorb odors caused by cigarette, pipe or cigar smoke and airborne odors caused by mold, mildew, etc. These replacement filters are polyester fibers coated with activated charcoal. Each filter is individually wrapped to assure maximum absorption and durability when installed. (10 filters per kit.)

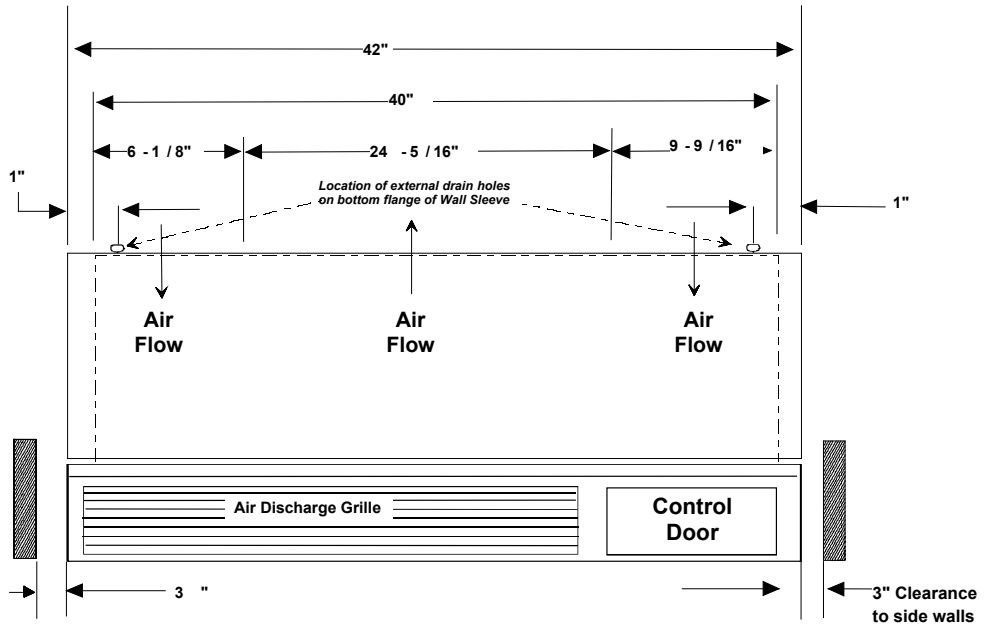
Thermostats

A manufacturer-approved manual, auto changeover or programmable traditional-wired thermostat must be installed to provide full remote operation of the chassis. A Remote Escutcheon Kit must be used to indicate remote operation.

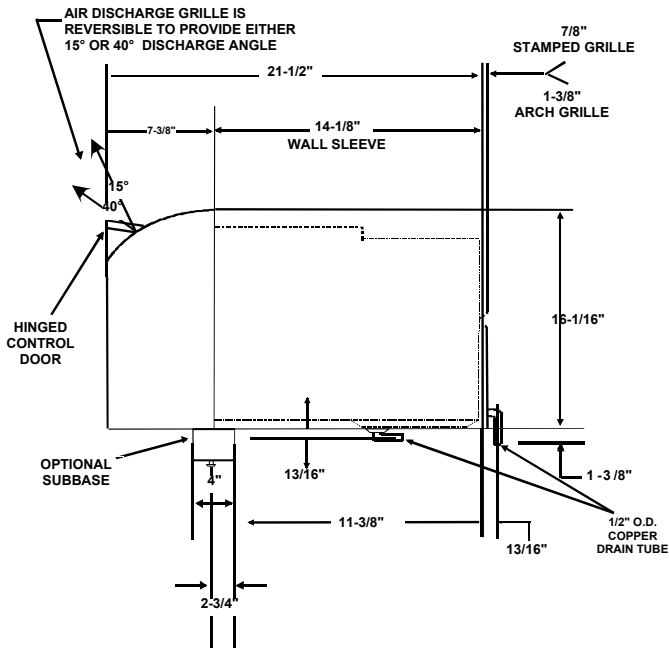
Specification Sheet

Unit with Accessory Wall Sleeve and Subbase Accessory

Top View

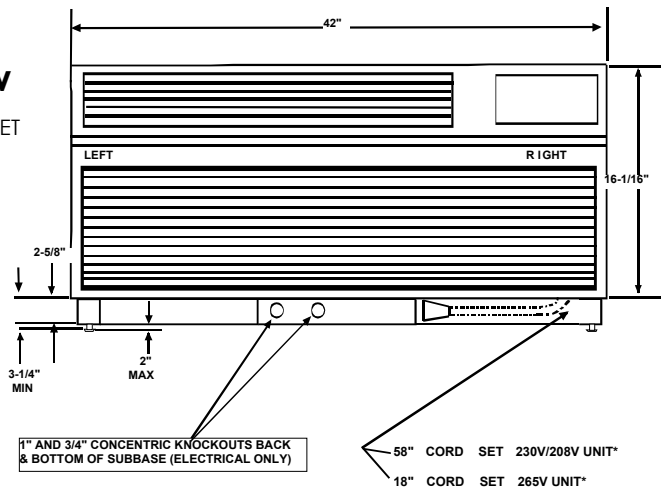


Right View

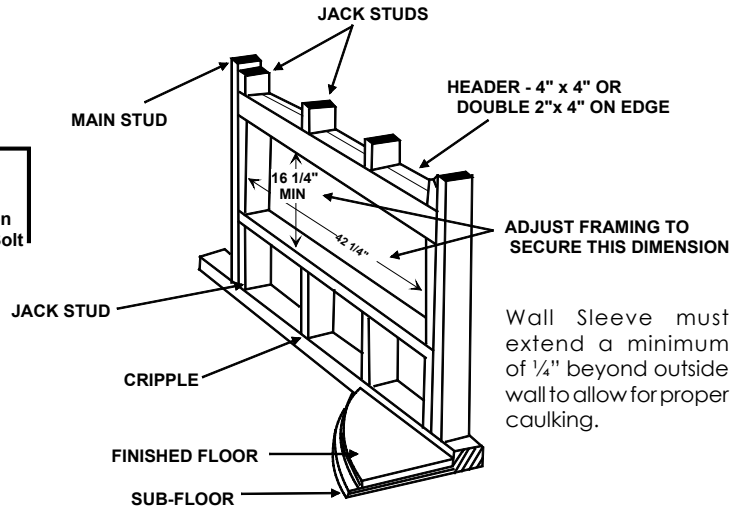
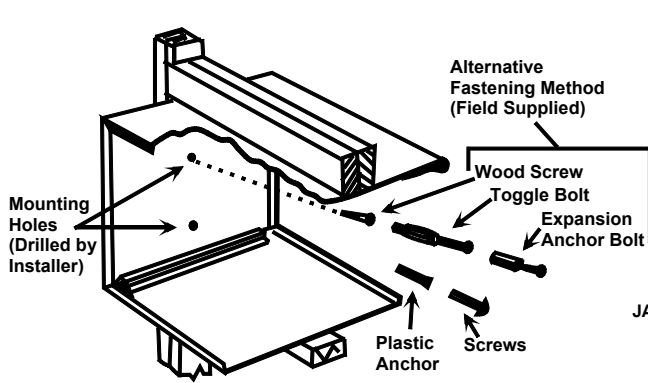


Front View

58" LCDI CORD SET
230V/208V UNIT*



Framing for Accessory Wall Sleeve (WS900D)



FASTENING WALL SLEEVE

When installed in an opening, the Wall Sleeve must be horizontally level (side-to-side) and pitched 1/4" bubble to the outside. **(NOTE: To ensure unit's maximum efficiency, DO NOT over- or under-pitch.)**

Wall Sleeve Opening Height Should Be Squared with Wall Sleeve Opening Width	H = 16 1/4"
	W = 42 1/4"

INSTALLATION NOTES

- If **Subbase** (PTSB***E) is installed, allow minimum 3 1/4" height clearance and maximum 5" height clearance between wall sleeve and floor; allow minimum 2 3/4" protrusion from a finished wall. See Note 4 if using hydronic units.
- Drain Kit** (DK900D) shipped separately. Can be mounted either right side, left side or bottom of sleeve. If mounted to bottom of sleeve, allow 2" height clearance from floor to bottom of sleeve.
- For U.L. approval, 265V units must use Amana® brand **Subbase** (PTSB***E) or Amana® brand **Hard Wire Kit** (PTPWHWK4). Overcurrent protection on 265V units must be by cartridge-style time delay fuses, **which are included and factory-installed on the Amana® brand 265V chassis.**
- If **Hydronic Kit** (HWK03 or HVK03) is installed, **Wall Sleeve** must extend exactly 3" into the room from the finished interior wall. If using the Amana® brand **Subbase** (PTSB***E), only the minimum 3 1/4" height clearance between wall sleeve and floor is permissible. Unit must also be operated with a remote-mounted thermostat.
- If **Duct Kit** (MDK02B) is installed, allow a minimum of 2 3/4" into the room from the finished interior wall.

Power Cord Plugs

250V Rating Power Cord Plugs with LCDI Device
NEMA 6 Configuration

15 amp 20 amp 30 amp

277V Rating Power Cord Plugs
NEMA 7 Configuration

20 amp 30 amp

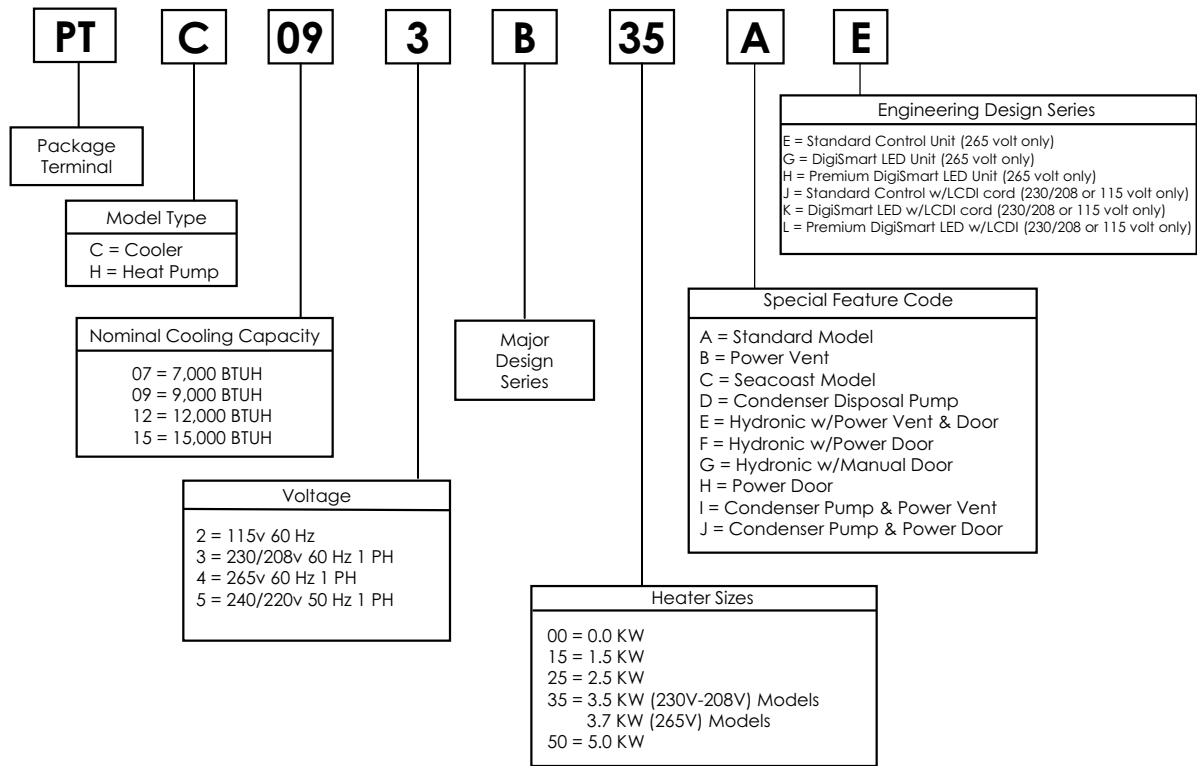
Power Receptacle Configuration

- NEMA6-15R: 250V receptacle, used on 230/208V units
- NEMA6-20R: 250V receptacle, used on 230/208V units
- NEMA6-30R: 250V receptacle, used on 230/208V units
- NEMA7-20R: 277V receptacle, used on 265V units
- NEMA7-30R: 277V receptacle, used on 265V units

All units come with factory-installed power cords.
All units less than 250 volts come with LCDI device.

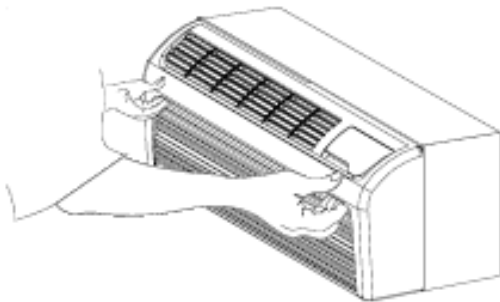
Specification Sheet

Nomenclature

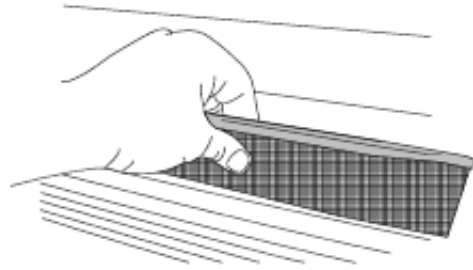


Pull-out Easy Access Filter

Maintaining the unit's efficiency while saving time and money is easy. The filter is easily accessed for cleaning or replacement without removing the unit front.



Step 1: Open the intake grille louver.



Step 2: Pull the filter up and out.



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