

# Amana Package Terminal

## Air Conditioners & Heat Pumps

**B**  
**Model**

### **Amana Value Difference** Built-in "Standard" features:

- *Remote temperature sensing*
- *Compressor restart delay*
- *Enhanced dehumidification*
- *Filtered ventilation air intake*
- *Remote control functions*
- *Random unit restart circuit*
- *Room freeze protection*
- *Front desk control*

### **Amana Quality Difference:**

- *High efficiency operation*
- *Quiet Operation*
- *Reliability and Durability*
- *Full 100% factory testing*
- *Five year warranty*

### **Industry Leading Performance**

7,000 - 14,200 BTUH Cooling  
6,200 - 13,300 BTUH Heating

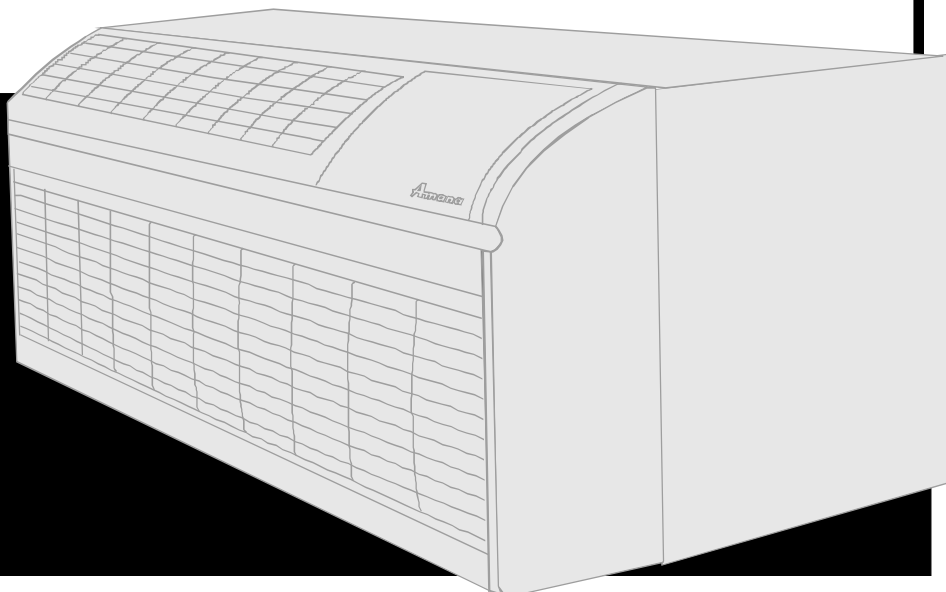
Electric heat up to 5.0 kW  
Hydronic heat up to 23,700 BTUH

**Up to 11.6 EER**  
**Up to 3.3 COP**

### **Industry Leading Warranty**

*One Year Full*  
*Five Year Full Sealed System*  
*Limited Five Year Functional Parts*

**Don't settle for less than the**  
**Amana "Standard" Advantage !!**



***Amana***<sup>®</sup>  
**Heating - Air Conditioning**

**BUILT BETTER THAN IT HAS TO BE™**

# THE AMANA “STANDARD” ADVANTAGE

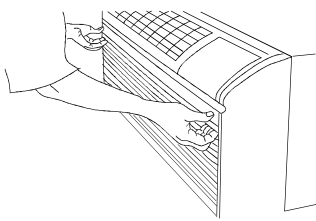
Amana has designed the **Packaged Terminal Air Conditioner** for customer comfort and owner peace of mind. No other unit in the industry offers so many “extras” already built in as “**STANDARD**” on every unit. With all the features and benefits our units have to offer, you no longer need to settle for anything less than the **Amana “Standard” Advantage!!**

Standard Features	Advantages and Benefits
<b>Five-Year Warranty</b>	Enjoy one of the most comprehensive warranties in the industry. Full 1-year warranty on unit parts and labor; full 5-year warranty on the entire sealed system components; limited parts-only warranty on functional components. <i>See back of this brochure for details.</i>
<b>Energy Efficiencies</b>	Our units' high efficiencies can qualify you for many of the rebates offered by electrical power companies. EER's up to 11.6 and heat pump COP's up to 3.3 keep energy consumption to a minimum.
<b>Freeze Protection</b>	No more worries about bursting water pipes or broken fixtures caused by freezing temperatures. When the unit senses temperatures of 40 degrees Fahrenheit or below, the unit activates the fan motor, and either the electric resistance heater or the hydronic heater.
<b>7" Unit Front</b>	Enhance valuable room space -- the unit front has a sleek 7" 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 hidden screws.
<b>Versatile Style</b>	Our unit's new 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.
<b>Easy To Use Controls</b>	No complex controls to confuse your guests and create phone calls for your manager. Controls are easy to read, understand, and activate.
<b>Remote Thermostat Control</b>	Each unit is built to be operated from a remote-mounted thermostat, if desired. Even if you start without a remote, you can take advantage of a built-in low voltage power source which accommodates a variety of thermostat choices --manual, auto change-over, or programmable -- at a later date.
<b>Increased Dehumidification Capacity</b>	Maintain lower humidity levels in rooms while cooling them without the need for expensive add-on's. As a result, guests feel more comfortable at higher temperatures, thus reducing cooling costs, and the life of your furniture, wall coverings, and fixtures is extended which means less replacement costs.
<b>Quiet Operation</b>	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 unit is in "low fan" mode of operation.
<b>Filtered Ventilation Air</b>	Guest's rooms stay cleaner, longer. The hidden ventilation air intake filters outside air to reduce dust and other airborne material.
<b>Front Desk Control</b>	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.
<b>Easy to Service</b>	The main components are easily serviced; the unit is easy to diagnose or troubleshoot to spot potential problems.
<b>Remote Temperature Sensing</b>	Guests enjoy ultimate comfort with consistent climate control. Attach an optional, inexpensive remote thermistor temperature sensing device, and temperatures are held more closely to the chosen room setting.
<b>Condensate Dispersion System</b>	The Amana condensate dispersion system removes condensate from indoor cooling operation by throwing water directly on to the outdoor coil for rapid evaporation and increased cooling efficiencies. The slinger ring on the fan blade draws water up and into fan blade. This water is then atomized and evaporated into the atmosphere through the condenser.

# THE AMANA "STANDARD" ADVANTAGE

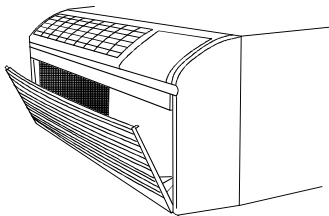
Standard Features	Advantages and Benefits
<b>Automatic Emergency Heat</b>	No more "my unit is not heating" complaints during the middle of the night. Heat pump units will automatically switch over to electric resistance heat if for any reason the heat pump compressor system fails or if the heating load is greater than the unit capacity.
<b>Fan Mode Switch</b>	Take advantage of each unit's dual options: select continuous fan operation or cycle the fan ON and OFF with the thermostat.
<b>Zero Floor Clearance</b>	Unit can be installed flush to the finished floor, if desired. (Some accessories do not have zero clearance).
<b>Temperature Limited</b>	Save energy and money by avoiding the extreme settings that can occur with guest operation. The unit-mounted mechanical temperature limited allows guests to adjust in-room temperature settings while maintaining a pre-programmed range set by you.
<b>Random Restart</b>	Avoid troublesome power surges that can damage electrical circuits. Each unit has a random restart circuit to prevent all units from restarting at one time after power disruption. Random restart occurs in 2-4 minutes.
<b>Compressor Restart Delay</b>	Extended compressor-life. The unit automatically delays any restart attempt by three minutes to allow the refrigerant pressures time to equalize.
<b>Accessory Wall Sleeve</b> 13-3/4" x 42" x 16-1/16"	No more worries about changing out non-standard sleeves that do not accommodate the bulk of what the industry has to offer. Amana's wall sleeve is an industry standard size of 13-3/4" deep x 42" wide x 16-1/16" high. <b>(Please Note: Wall Sleeve must be ordered separately.)</b>

## Easy Filter Access

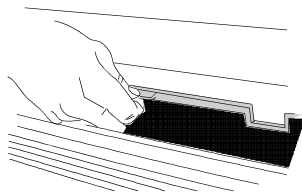


Step 1: Open the intake grille

Maintaining the unit's efficiency while saving time and money is as easy as 1-2-3. The filter is easily accessed for cleaning or replacement without removing the unit front.



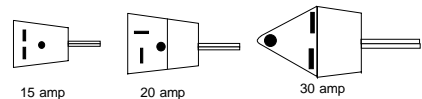
Step 2: Pull open the intake grille



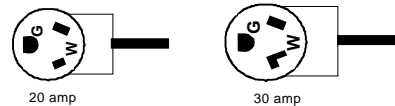
Step 3: Press down lightly on the thumb tab at the top of the filter and remove the filter.

## Power Cord Plugs

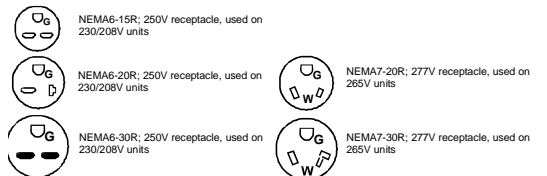
250V Rating Power Cord Plugs  
NEMA 6 Configuration



277V Rating Power Cord Plugs  
NEMA 7 Configuration



## Power Receptacle Configuration (Field Supplied)



**All units come with factory installed power cord.**

# SPECIFICATIONS - COOLING/ELECTRIC HEAT

## PTC Models

### Cooling Performance

Model (Basic) (NOTES 1, 7 & 9)	PTC073A**AB	PTC074A**AB	PTC093A**AB	PTC094A**AB	PTC123A**AB	PTC124A**AB	PTC153A**AB	PTC154A**AB
Voltage (NOTES 1 & 3)	230/208	265	230/208	265	230/208	265	230/208	265
Capacity (BTUH)	7,100 / 7,000	7,100	9,100/8,900	9,100	12,000 / 11,900	12,000	14,200 / 14,000	14,200
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 / 600	610	805 / 785	805	1,120 / 1,110	1,130	1545/1520	1,525
EER	11.6	11.6	11.3	11.3	10.7	10.7	9.2	9.3
<b>Unit without Electric Heater</b>								
Min.Circuit Ampacity (NOTES 2 & 4)	4.0	3.6	5.1	4.4	6.4	5.7	8.4	7.4
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 & 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 (approximate Lbs.)	90	90	95	95	105	105	110	110
Shipping Weight (approximate lbs.)	105	105	110	110	120	120	125	125

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

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

VOLTAGE	ELECTRIC HEATER SIZE (kW)	NO. OF STAGES	NOMINAL HEATING			TOTAL WATTS (NOTE 6)	TOTAL AMPS (NOTE 8)	MIN. CIRCUIT AMPACITY (NOTE 2)	OVERCURRENT PROTECTION (NOTE 4)	POWER CORD
			BTUH AT 230V	BTUH AT 208V	BTUH AT 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	**	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	**	--	--	17,100	5,150	19.5	24.2	25	7 - 30 P

\*\*PTC/H07\*A50\*B, PTC/H09\*A50\*B, and PTC/H12\*A50\*B are 2-stage; PTC/H15\*A50\*B is 1-stage.

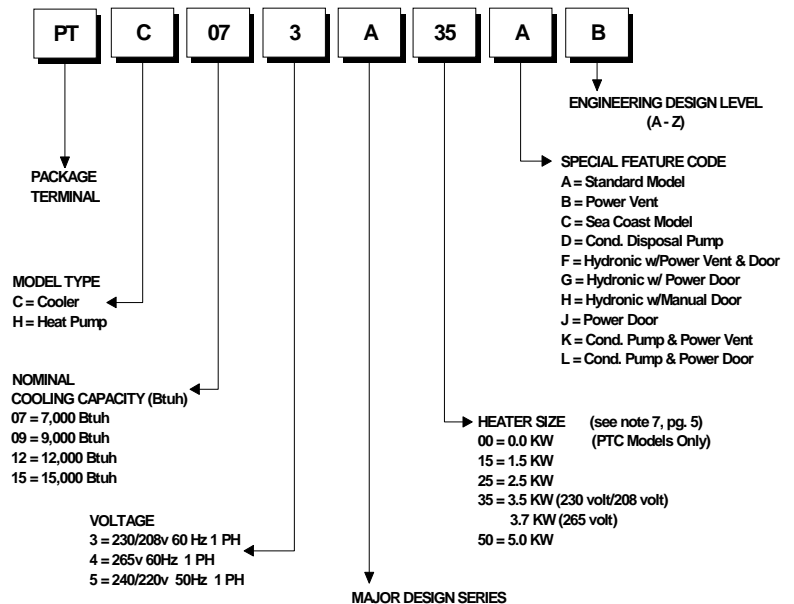
## Hydronic Heat Models

### Hydronic Models / Hot Water & Steam Heating

These special models are shipped without a chassis front, without electric heat, and have an additional relay and 40VA transformer for water or steam valve operation. Also available in Hydronic with Powered Vent and Hydronic with Powered Door. See Model Identification (right) for Special Feature Codes for these models. See 7b for hydronic accessories.

### Hydronic with Manual Door

Model Number	Voltage Capacity	Cooling Capacity	EER
PTC093A00HB	230/208	9,100 / 8,900	11.3
PTC123A00HB	230/208	12,000 / 11,900	10.7
PTC153A00HB	230/208	14,200/14,000	9.2
PTC094A00HB	265	9,100	11.3
PTC124A00HB	265	12,200	10.7
PTC154A00HB	265	14,200	9.3



# SPECIFICATIONS - COOLING/HEAT PUMP & ELECTRIC HEAT

## PTH Models - Heat Pumps

### Heat Pump Cooling Performance

Model (Basic) (NOTES 1, 7 & 9)	PTH073A**AB	PTH074A**AB	PTH093A**AB	PTH094A**AB	PTH123A**AB	PTH124A**AB	PTH153A**AB	PTH154A**AB	
Voltage (NOTES 1 & 3)	230/208	265	230/208	265	230/208	265	230/208	265	
Capacity (BTUH)	7,100 / 7000	7,100	9,000/8,800	9,000	12,000 / 11,800	12,000	14,000/13,800	14,000	
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	615/610	615	805 / 785	805	1,120 / 1,110	1,120	1505 / 1485	1,505	
EER	11.5	11.5	11.2	11.2	10.7	10.7	9.3	9.3	
<i>Units without Electric Heater</i>									
Min. Circuit Ampacity (NOTES 2 & 4)	4.0	3.6	5.1	4.4	6.4	5.7	8.4	7.4	
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 & 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 (approximate lbs.)	95	95	100	100	110	110	115	115	
Shipping Weight (approximate lbs.)	110	110	115	115	125	125	130	130	

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

### Heating Performance - Reverse Cycle

(See facing page for Auxiliary Electric Heater Performance and Power Cord Configuration)

Heating Capacity Reverse Cycle (NOTE 1)		PTH073A**AB	PTH074A**AB	PTH093A**AB	PTH094A**AB	PTH123A**AB	PTH124A**AB	PTH153A**AB	PTH154A**AB
BTUH (NOTE 5)		6,400/6,200	6,400	8,100/8,000	8,100	10,800/10,600	10,800	13,300/13,200	13,300
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		570/550	570	740/730	740	1,020/1,000	1,020	1,390/1,380	1,390
COP (NOTE 5)		3.3	3.3	3.2	3.2	3.1	3.1	2.8	2.8
CFM (Dry)		235/230	235	235/230	230	310/290	310	345/335	345
Heating, BTUH (Note 5)	° F								
	62	8,400/8,200	8,400	10,300/10,200	10,300	13,200/13,000	13,200	16,400/16,300	16,400
Outdoor Ambient	57	7,800/7,600	7,800	9,700/9,600	9,700	12,400/12,200	12,400	15,400/15,300	15,400
	52	7,100/6,900	7,100	9,000/8,900	9,000	11,600/11,400	11,600	14,300/14,200	14,300
Rating Point	47	6,400/6,200	6,400	8,100/8,000	8,100	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	2.8/2.8	2.8
Watts	42	5,700/5,500	5,700	7,300/7,200	7,300	10,000/9,800	10,000	12,300/12,200	12,300
	37	5,100/4,900	5,100	6,500/6,400	6,500	9,200/9,000	9,200	11,300/11,200	11,300
Outdoor Ambient	32	4,500/4,300	4,500	5,700/5,600	5,700	8,400/8,200	8,400	10,200/10,100	10,200
	62	645/625	645	835/825	835	1,151/1,095	1,115	1,540/1,530	1,540
Outdoor Ambient	57	630/610	630	805/795	805	1085/1065	1,085	1,500/1,490	1,500
	52	595/575	595	780/770	780	1,055/1,035	1,055	1,450/1,440	1,450
Outdoor Ambient	47	570/550	570	740/730	740	1,020/1,000	1,020	1,390/1,380	1,390
	42	540/520	540	710/700	710	985/965	985	1,335/1,325	1,335
Outdoor Ambient	37	515/505	515	675/665	675	945/925	945	1,250/1,240	1,250
	32	495/485	495	630/620	630	915/895	915	1,170/1,160	1,170
Outdoor Ambient	27	460/450	460	590/580	590	885/865	885	1,110/1,090	1,100

#### NOTES:

1. All 265v models must use Amana's subbase (PTSB4\*\*C) or Amana's hard wire kit (PTPWHWK4)
2. Minimum branch circuit ampacity ratings conform to the National Electric Code. However, local codes should apply.
3. 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.
4. 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 chassis).
5. Heating capacity and efficiency is based on unit operation without condensate pump. Unit automatically switches to electric heat at 25°F (nominal) outdoor coil temperature.
6. Total watts for 15,000 Btu/h models; subtract 30 watts for PT12\*A\*\*AB and 70 watts for PT07/09\*A\*\*AB.
7. Please specify 2-digit heater kW size to complete model number.
8. Total amps for 12,000 and 15,000 Btu/h models; subtract 0.2 amps for PT07/09\*A\*\*AB.
9. Refrigerant used in all systems is R-22.

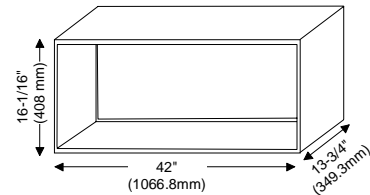
**EER** - Energy Efficiency Ratio per American Refrigeration Institute (ARI) Test Procedures and Canadian Standards Association (CSA) EEV Test Procedures.

**COP** - Coefficient of Performance per ARI Test Procedures

# ACCESSORIES

**Wall Sleeve** (42" wide x 16-1/16" high x 13-3/4" deep)  
Standard insulated wall sleeve fits all Amana Packaged Terminal Units. Shipped separately to allow installation during construction.

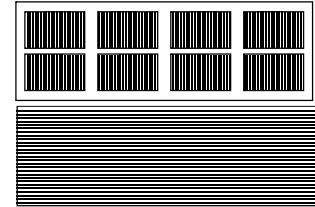
WS900B	Wall Sleeve
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## Outdoor Grilles

Available in stamped aluminum and an attractive extruded aluminum architectural grille for application with WS900B wall sleeve. The architectural grille is available in anodized natural, 3 stock colors and custom colors to blend with the building exterior. CB=Clear, DB=Dark Bronze, ZB=Driftwood, WB=White, SB=Special (Custom) Color

Standard Outdoor Grille	
SGK01B	Single Pack
SGK10B	Ten Pack
Architectural Grille	
AGK01*B	Single Pack



**SGK**

**AGK**

## Remote Temperature Sensor

Allows inexpensive, low voltage temperature sensing on internal wall for more accurate temperature control.

RTS01	Remote Temperature Sensor
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## Hard Wire Kit (not shown)

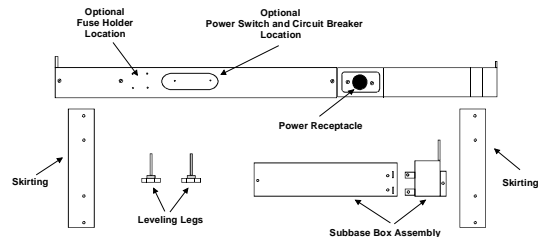
Used to permanently wire to chassis when standard subbase and power cord are not utilized.

PTPWHWK4	Hard Wire Kit
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## 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.

PTSB320C	230/208V 15/20A
PTSB330C	230/208V 30A
PTSB420C	265V 15/20A
PTSB430C	265V 25A



## Fuse Holder Kit (not shown)

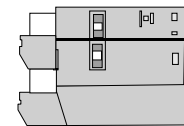
Cartridge style fuses can be installed in fuse holder for use in subbase or chassis. Available in 15, 20 and 30 amp. (Included on 265v unit).

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, 25 or 30 amp, can be used with Amana's subbases. It gives overcurrent protection and its location allows turning unit on or off without tools.

CBK3**C	Circuit Breaker Kit
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## Power Disconnect Switch (not shown)

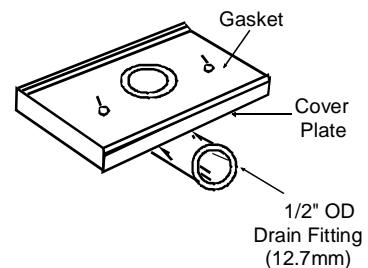
The PSHW\*\*A power disconnect switch can be used for 265 or 230/208 volt physical disconnect where required by local codes. The switch is rated at 30 amp capacity. The switch is for use with Amana's standard subbases or PTPWHWK4 Hard Wire Kit.

PSHW03A	230/208V
PSHW04A	265V

## Condensate Drain Kit

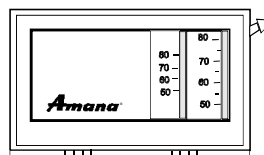
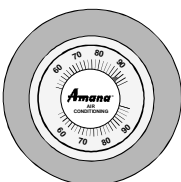
Attaches to the wall sleeve base pan for controlled internal or external disposal of condensate

DK9001	Condensate Drain Kit
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## Thermostats

The following thermostats offer remote control. Any thermostat other than those listed must be submitted to Amana for approval prior to use.

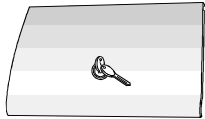


	Heat Stages	Cool Stages	Programmable	Shape
D9807605	2	1	Yes	Rectangle
D9945801	2	1	No	Rectangle
D6853511	1	1	No	Rectangle
C5200609	1	1	No	Round
20189101*	2	1	No (Auto Changeover)	Rectangle

\* Note: Thermostats listed above are manual changeover except for 20189101

**NOTE: DO NOT CONNECT THE X1 TERMINAL.**

# ACCESSORIES



## Security Key Locks

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

KL03	Security Key Lock
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## Remote Escutcheon Kit (not shown)

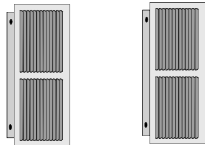
Optional kit for use with units controlled via a wall thermostat. Replaces knob controls for units operated by wall thermostat.

REK10A	Remote Escutcheon Kit (10/pack)
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## 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.

DGK1	Condenser Baffle Kit
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## Duct Extension Kit (not shown)

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.

MDK02	Main Duct
EDK02	Extension Duct
TDK02	Terminal Duct

## 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.

PVK3A	230/208V
PVK4A	265V

## Power Door Kit (not shown)

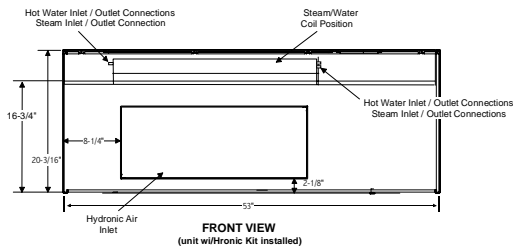
Vent door will automatically open when unit fan is on.

PDK3A	230/208V
PDK4A	265V

## 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.

HWK03	Hydronic Water Kit
HVK03	Hydronic Steam Kit



HTK3	230/208V
HTK4	265V

## Hydronic Transformer Relay Kit (not shown)

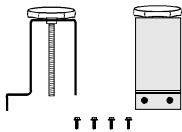
Add-on kit that allows field conversion of a standard PTC unit to a Hydronic unit.

VW2WNCA	2-Way-24V-NC-End Switch
VW3WNCA	3-Way-24V-NC-End Switch
VW2WNOA	2-Way-24V-NO-End Switch
VW3WNOA	3-Way-24V-NO-End-Switch
VS2WNCA	2-Way-24V-NC-Steam
VS2WNOA	2-Way-24V-NO-Steam

## 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.)

LL2B	Leveling Legs
------	---------------



## Leveling Legs

Optional leveling legs fit wall sleeve to provide front support and leveling, if required.

## 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.

CDP302	230/208V
CDP402	265V

## Spare Filters (not shown)

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

FK10A	Filters (10/pack)
-------	-------------------

## Heater Kit (for heaterless 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.

HK315E	230/208V
HK415E	265V

	Models	230V	208V	265V
<b>Rated Watts</b>	All	1,500	1,200	1,500
<b>Full Load Amps (including fan)</b>	7K & 9K	6.9	6.2	6.1
	12K & 15K	7.1	6.4	6.3
<b>Minimum Ampacity</b>	7K & 9K	8.6	8.6	7.5
	12K & 15K	8.8	8.8	7.7
<b>Fuse Size</b>	All	15	15	15

# GUIDE SPECIFICATIONS -- Chassis

Furnish and install air cooled through the wall package terminal air conditioners (heat pumps). Units are rated in accordance with the ARI (American Refrigeration Institute) Standards 310/380-93, and 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 zero 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. 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 inches 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" to minimize unit's impact on room space.

## Heat Pumps

Each unit must include a changeover thermostat that senses an outside coil switch-over temperature of 25° Fahrenheit, 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.

## Unit Controls

The unit's controls must be completely wired and accessible from the top. Controls must include high and low fan speeds for both cooling, heating, and fan only operation, and an OFF position. Other unit controls must include a concealed ventilation control to allow the introduction of filtered air into the room, a concealed fan mode switch to allow the owner to preset for either continuous fan or thermostatically cycled fan operation. Additionally, the following controls are to be included as standard on all units:

- Compressor restart delay
- Random restart circuit
- Front desk control capabilities
- Automatic room freeze protection
- Remote control capability
- Mechanical temperature limiter
- Remote temperature sensing capability

## Evaporator/Condenser Fans

Direct drive with a permanent split capacitor two-speed motor. Condensate must be directed onto the condenser coil to aid in evaporation and removal. Condenser fan must be propeller type with slinger ring and evaporator fan must be blower type.

## Coils

Unit's coils must have rifled copper tubing expanded into rippled-edge louvered aluminum fins.

## 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.

## 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.





# GUIDE SPECIFICATIONS -- Accessories

*(New installations typically require a minimum of **WS900B** wall sleeve and an outdoor grille.)*

## Wall Sleeves

The wall sleeve must be industry accepted dimensions: 13-3/4" depth x 42" width x 16-1/16" height and constructed of insulated galvanized steel with electro-deposition paint finish with ULV resistant high-solids polyester overspray. Sleeve must be shipped with weather resistant rear closure panel installed.

## Outdoor Grilles

Must be architectural extruded, anodized aluminum (AGK\*\*\* B) or standard stamped aluminum (SGK\*\*B). All other grilles must be submitted to PTAC manufacturer for feasibility, airflow characteristics and compliance with U.L. regulations, where necessary.

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

## Remote Temperature Sensor

A field installed thermister will override the unit mounted thermostat to allow more accurate, internal wall-sensing of room ambient temperature. All other modes and functions remain at the PTAC unit.

## Condensate Drain Kit

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

## Subbase Kit

Necessary for U.L. listing requirements for 265 volt units (Hard Wire Kit may be substituted for Subbase kit). Optional for 230/208 volt units. Must be prewired to facilitate field electrical connections and include a NEMA 6 or 7 configuration electrical receptacle. It must have two 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.

## 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.

## Fuse Holders (included in 265V chassis)

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

## Security Key Locks

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.

## Duct Kits

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

## 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; however, they are not included in the Hydronic Heat Kit.

## 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.

## Disconnect Switch

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

## Circuit Breaker Kit

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

## Hard Wire Kit

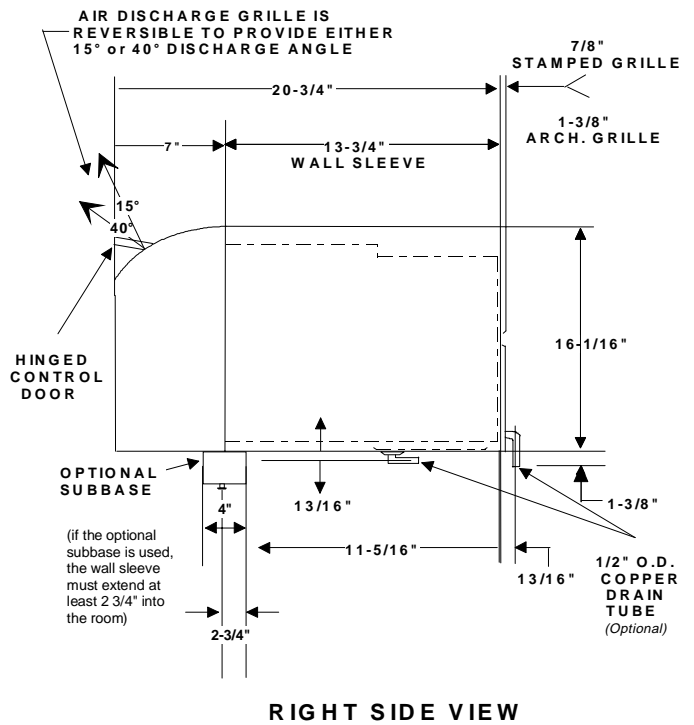
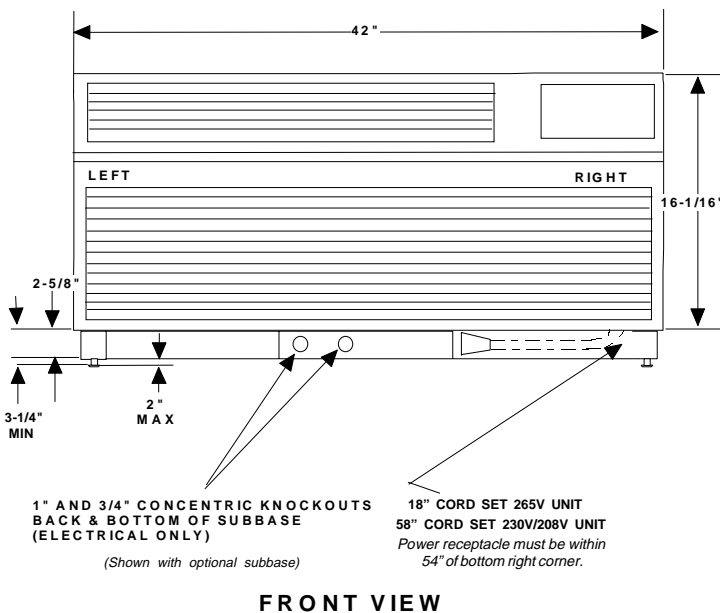
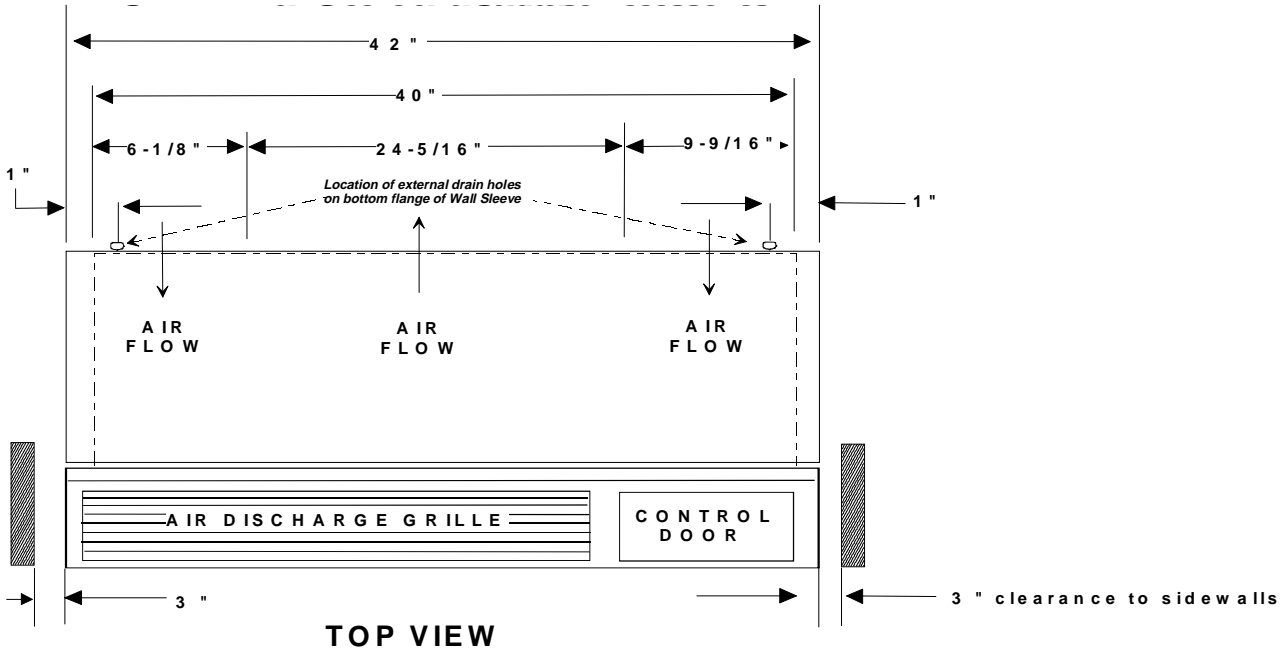
Must be used to permanently wire chassis for hard wire purposes. (For 265 volt units, Hard Wire Kit may be substituted with Subbase Kit.)

## Thermostats

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

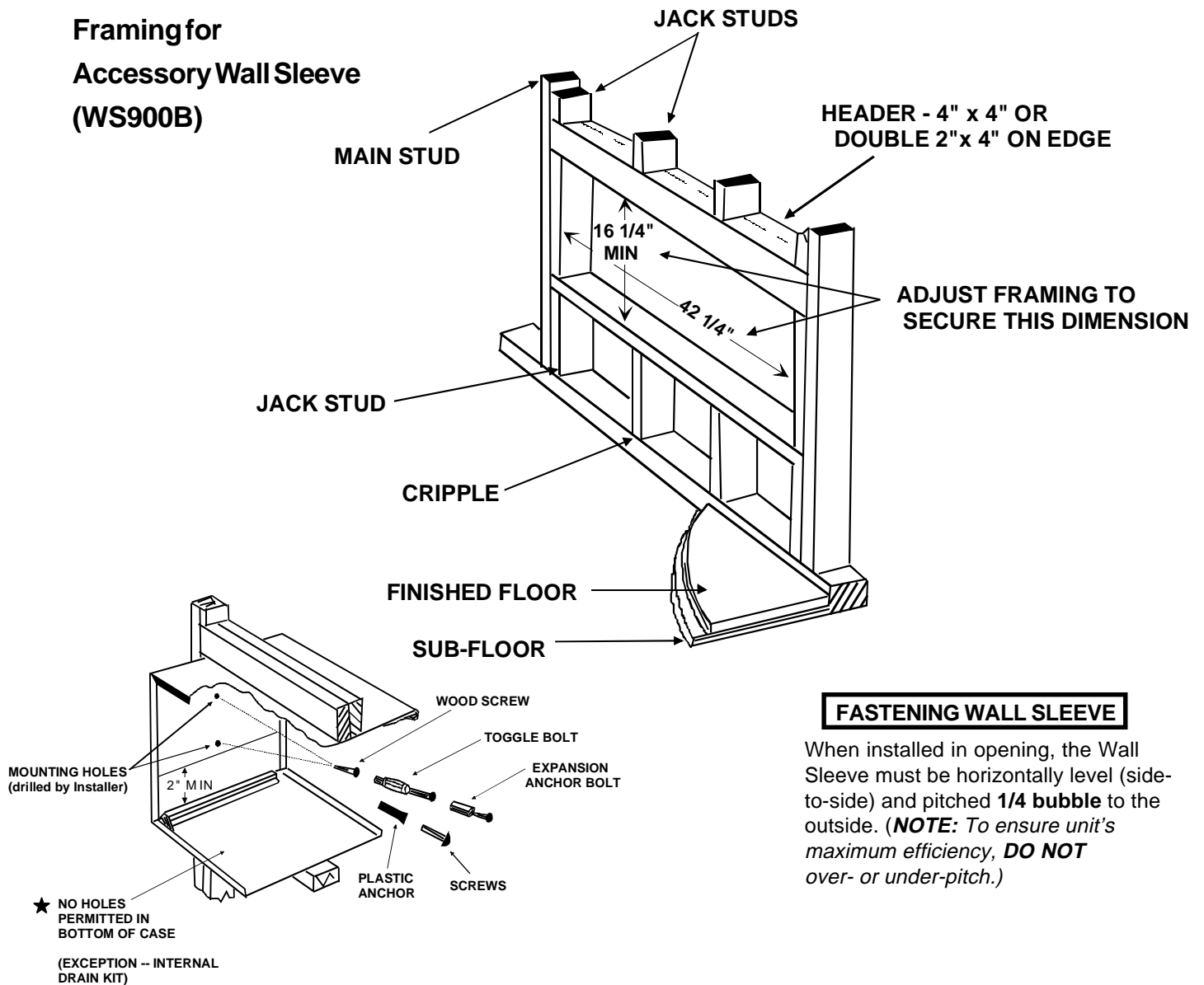
# STANDARD UNIT DIMENSIONS

## Unit with Accessory Wall Sleeve and Subbase Accessory



# ACCESSORY WALL SLEEVE INSTALLATION

## Framing for Accessory Wall Sleeve (WS900B)



### FASTENING WALL SLEEVE

When installed in 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.**)

### INSTALLATION NOTES

- (1). If **Subbase** (PTSB\*\*\*C) 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.
- (2). **Drain Kit** (DK9001) 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.
- (3). For U.L. approval -- 265v units must use Amana **Subbase** (PTSB\*\*\*C) or Amana **Hard Wire Kit** (PTPWHWK4). Over-current protection on 265V units must be by cartridge style time delay fuses which are included and factory installed on Amana 265v chassis.
- (4). If **Hydronic Kit** (HWK03 or HVK03) is installed, **Wall Sleeve** must extend exactly 3 inches into the room from finished interior wall.
- (5). If **Duct Kit** (MDK02) is installed, allow minimum 1-3/8" into the room from finished interior wall.

# Amana®

## Heating - Air Conditioning

**BUILT BETTER THAN IT HAS TO BE™**

### PACKAGED TERMINAL PRODUCTS (PTC, PTH "A" SERIES)

FULL ONE-YEAR WARRANTY

FULL SECOND THRU FIFTH-YEAR WARRANTY  
ON SEALED SYSTEM COMPONENTS

LIMITED SECOND THRU FIFTH YEAR WARRANTY  
ON FUNCTIONAL PARTS

#### WARRANTY PROVIDES FOR:

**FULL FIRST YEAR WARRANTY:** Amana will repair or replace, free of charge, any part of the unit or Amana accessory which proves to be defective due to workmanship or materials.

**FULL FIVE YEAR SEALED SYSTEM WARRANTY:** Amana will repair or replace, free of charge, the evaporator, condenser, compressor, or connecting tubing which proves to be defective due to workmanship or materials.

**LIMITED SECOND THRU FIFTH YEAR FUNCTIONAL PARTS WARRANTY:** During the 2nd thru 5th year, Amana will provide, free of charge, F.O.B. Amana, Iowa, functional parts on the PTC or PTH unit which prove to be defective due to workmanship or materials. Components covered include: unit fan motor, unit mounted thermostats and thermisters, circuit boards, factory installed hydronic transformer and relay, factory installed heaters and relays, unit blower wheel and fan propeller, reversing valve solenoid and capacitor. This LIMITED WARRANTY does not include diagnostic time, labor, or any transportation and reinstallation charges that may be required.

#### WARRANTY LIMITATIONS:

- Warranty is effective as of the original date of purchase.
- All warranty service must be performed by an authorized Amana Servicer.
- Reimbursement for warranty service is limited to normal service charges performed during the servicer's normal business hours.
- Applies only to original installation within the continental United States, Hawaii, Alaska, and Canada.
- The warranty is void if the product serial identification tag is removed or defaced to a point where the unit cannot be identified.
- Field installed Amana accessories are only covered by the first year warranty.

#### OWNER'S RESPONSIBILITIES:

- Provide proof of purchase (sales invoice).
- Provide normal care and maintenance.
- Make product reasonably accessible for service.
- Pay for service calls related to product installation or usage instructions.
- Pay for replacement of fuses and circuit breakers.
- Under the Limited Warranty, the owner is responsible for servicer's travel charges, labor, parts freight and cartage, if required.

#### AMANA IS NOT RESPONSIBLE FOR:

- Damage as a result of flood, lightning, fire, wind, and accidents beyond Amana's control.
- Damage as a result of product not installed according to Amana's instructions and specifications.
- Replacement of fuses and replacement or resetting of circuit breakers.
- Damage or failure resulting from installation in an environment containing highly corrosive chemical agents.
- Damage or failure resulting from installation in a coastal environment due to corrosion except those specific models (i.e. Seacoast models) which have been treated with factory applied corrosion protection.
- Damage and/or no start conditions caused by improper or inadequate electrical connections.
- Damage resulting from failure to perform routine maintenance as specified in the Operator's Manual.

\*This warranty gives you specific legal rights, and you may have others which vary from state to state. For example, some states do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion may not apply to you. For warranty service, contact an Authorized Amana Servicer.

Should you have a service problem that is not resolved locally,

Write: Customer Relations Department - PTAC  
Amana Heating and Air Conditioning  
2800 220th Trail  
Amana, Iowa 52204

Or Dial: 1-800-843-0304 between 8:00 AM and 4:30 PM (C.S.T.) Monday thru Friday  
Please listen to entire listing of selections and select  
**Hotel / Motel or Package Terminal units.**

Part No. 11046401 Rev. 1  
Printed in U.S.A.

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Amana, Iowa 52204

*For detailed information on operating specifications, dimensions, installation data, and accessories, refer to the Amana Architects and Engineers Manual. To obtain a manual, consult your Amana representative.*

**Amana's continuing commitment to quality products may mean a change in specifications without notice.**

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