Heating & Air Conditioning
Amana®

PACKAGE TERMINAL AIR CONDITIONER (PTAC) AND HEAT PUMP

Specifications and Accessories Catalog

Premium Amana® Brand Quality / Featuring DigiSmart® / Web-Based Monitoring

DIGISMART®

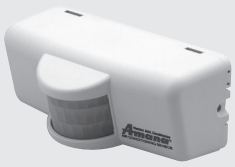
A Combination of Energy Management and PTAC Performance

Amana® brand DigiSmart® brings together our best PTAC with our best energy management software that now integrates with optional property management and front desk management software. Reduce PTAC energy consumption up to 35% OR MORE* through the power of the in-unit energy management system, programmable temperature set-back, and temperature limiting combined. Our Maintenance Notification System can alert when there is a potential maintenance issue with the PTAC.

Amana brand DigiSmart Solution

In-Room "Self-Installable" Wireless Peripherals

The DigiSmart Wireless Remote Thermostat can be mounted on the wall anywhere in the guest room. It is Battery powered and with its own wireless ability to communicate with the PTAC to maintain room temperature. Best of all, there are no wires to run. The PTAC and thermostat connect at the press of a button and work in-sync to display accurate temperature.



The DigiSmart Occupancy Sensor and Door Switch Combo Device completes the in-room equipment. This infrared sensor can determine whether the room is occupied or empty and when empty, signal the PTAC to adjust the temperature to save energy based on programmable set-backs.

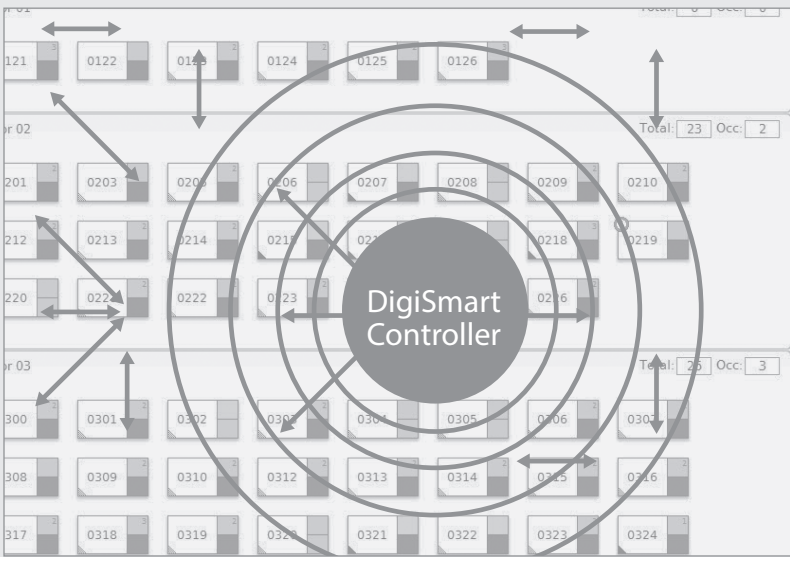
The DigiSmart Wireless Antenna installs inside the PTAC with a snap-in connector like a telephone jack. Installing the antenna allows the PTAC to communicate wirelessly with other devices in the room and to the DigiSmart network.

- 60,000+ rooms have had wireless installations since 2005
- Total wireless devices deployed to date: 425,000+

The Amana brand DigiSmart PTAC with antenna, combined with the self-installable, wireless thermostat and occupancy sensor give the property owner complete control over the equipment settings and can reduce PTAC energy usage up to **35% OR MORE.***

Site-Level — Central Wireless Controller

- Site-wide PTAC Configuration
- Site-wide PTAC Diagnostics
- Front-Desk System Interface
- Email Reporting
- Internet Accessible Web User Interface Enterprise



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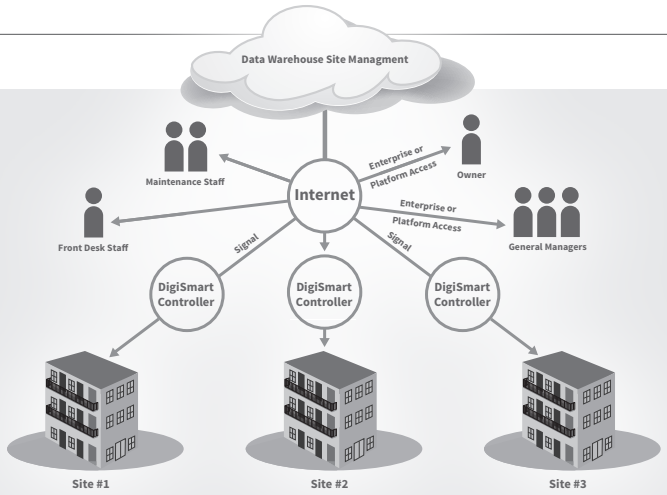
AMERICA'S BRAND FOR COMFORT™

* These savings represent estimated savings over time and were generated using general assumptions including energy loads, local weather averages and use of occupancy controls. Actual savings will vary according to actual use habits, room square footage, and how the unit is installed and maintained.



Enterprise – Multiple Wireless Controllers

Central Monitoring and Control of Multiple Properties

- Data Warehousing
- Virtual Metering
- Savings Analysis
- Load Shedding
- Email Reporting

Web-Based Monitoring – Amana® brand DigiSmart® Controller

All PTACs in a building can be managed through a single interface on a PC.

Features Include:

- Full unit details for every PTAC, visible from the front desk or home office
- Automatic emails for PTAC maintenance
- Ability to change all settings on the unit
- Enhanced diagnostics
- Monitors up to 170 PTACs WIRELESSLY with one controller
- Expand the network with additional controllers
  - System Verification
  - Global Setbacks
  - EMS Configuration
  - Site Statistics
  - Site Statistics
  - Email Reporting
  - Unit Health
  - Unit Code Alerts

Unrented Set-Points

By integrating with your property's Front Desk System, the PTACs will adjust to specific set-points when no longer identified as rented in the system.

Temp Limiting

Each PTAC can be configured with a heating and cooling temperature set-point limit.

Set-backs

Once a room is declared unoccupied by the occupancy sensor, the PTAC progresses through three different temperature set-backs, configured as three degree and time pairs (An example configuration is listed below).

1. **2°, 30 mins** – Setback the temp 2 degrees after 30 minutes
2. **4°, 1 hr** – Setback the temp 2 more degrees after 30 more minutes
3. **8°, 3 hrs** – Setback the temp 4 more degrees after 2 more hours

Talk to your Amana brand dealer about opportunities to optimize the efficiency of your new unit. Before purchasing this appliance, read important information about its estimated annual energy consumption, yearly operating cost or energy efficiency rating that is available from your dealer.

Standard Features

- **Energy Efficiencies:** With EERs up to 13.1 and COPs up to 3.6, our unit's high efficiencies may qualify you for many of the rebates offered by electrical power companies.
- **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.
  - Two fan motors (indoor/outdoor)
  - Indoor tangential fan for quiet operation
  - STC of 28
- **Assembled in the USA for 40 years:** assembled at our plant in Fayetteville, TN, using Goodman resources including engineering, production, and testing.
- **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.
- **Seven-Button Touch Pad:** Provides complete control to guests for in-room comfort while maintaining energy efficiency.
- **Five-Year Limited Warranty:** Enjoy one of the most comprehensive warranties in the industry: First Year: parts & labor; Second through fifth years: parts & labor on certain sealed system components; second through fifth years: on certain functional parts only. For complete warranty details, visit www.amana-ptac.com.
- **100% Run Tested:** All units are 100% run tested at our plant in Fayetteville, TN, including leak checks during manufacturing and again prior to shipment at the warehouse.
- **7⅝" Unit Front Depth:** Enhance valuable room space with our slim unit front, which has a sleek 7⅝" 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.
- **Easy Pull-Out Filters:** Our filters are washable and easy to maintain.
- **Filter Dryer for Sealed System Refrigerant:** Standard in all units to protect the compressor and lengthen the life of the unit by removing moisture and preventing acid formation.
- **Condensate Dispersion System:** Our 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 new, enhanced fan draws water up and into the fan blades. This water is then atomized and evaporated into the atmosphere through the condenser. Increased surface area from the coil allows more water to be evaporated on the sides of the coils and helps to minimize condensate run-off.
- **Front Desk Control:** Each unit comes equipped with the DigiSmart™ control and energy management software. Using the DigiSmart™ software and optional RF Antenna, all units can be wirelessly connected to a central hub for enhanced energy savings and diagnostics. Amana brand PTACs also have a low-voltage interface capability with a field-supplied front-desk ON/OFF switch. (See inside front cover.)

- **Room 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.
- **Easy-to-use Controls:** No complex controls to confuse your guests and create phone calls for your manager. Controls are easy to read, understand, and activate. Our new 7-button control panel provides guests with complete control of the unit for their in-room comfort while maintaining overall energy efficiency.
- **Easy to Service with On-Board LED Diagnostics:** The main components are easily serviced and there is no guessing to determine the problem with our easy-to-read diagnostics.
- **Stonewood Room Front:** Our 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 7⅝" depth maximizes usable space for your guests.
- **Remote Thermostat Control:** When the DigiSmart™ wireless remote thermostat (DS01E, sold separately) is set up, both the remote thermostat and unit control panel continue to control the unit, providing flexibility and home-like system control. Installation requires no more than pressing two buttons. No need to run wires or make electrical connections.
- **Extended Heat Pump Heating:** Heat pump models will operate in the heating mode down to as low as 24°F outdoor ambient temperature.
- **Zero Floor Clearance:** The unit can be installed flush to a finished floor, if desired. (Some accessories do not have zero clearance).
- **30-Second Fan-Off Delay:** The fan continues to run 30 seconds after the 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 the heat pump compressor system fails or if the heating load is greater than the unit capacity.
- **Constant Fan Mode:** Take advantage of each unit’s dual options — select continuous fan operation or cycle the fan ON and OFF with the thermostat. Our 7-button design allows guests to select fan performance while allowing the owner to have the unit revert to the desired program of continuous fan or cycle with conditioning.
- **Hidden Ventilation Control:** The ventilation control lever is hidden from the occupant's view to allow you to manage ventilation requirements.
- **High-Pressure Switch:** Protects the unit from high pressure and damage to the unit, helping to ensure long unit life.

Nomenclature

PTC	07	3	G	35	AXXX	AA
1,2,3	4,5	6	7	8,9	10,11,12,13	14,15

Basic Model Type

PTC	Standard Cooler PTAC
PTH	Standard Heat Pump PTHP
HEC	High-Efficiency Cooler PTAC
HEH	High-Efficiency Heat Pump
32C	High-Efficiency R32 Cooler PTAC
DRY	Dehumid Cooler PTAC
PMC	DigiAIR Cooler PTAC
PMH	DigiAIR Heat Pump PTAC

Nominal Cooling Capacity

07	7,000 BTU/h	60 Hz
09	9,000 BTU/h	60 Hz
10	10,000 BTU/h	50 Hz
12	12,000 BTU/h	50 or 60 Hz
15	15,000 BTU/h	60 Hz
17	17,000 BTU/h	60 Hz

Rated Voltage

2	115V, 60 Hz, 1 Phase
3	230/208V, 60 Hz, 1 Phase
4	265V, 60 Hz, 1 Phase
5	240/220V, 50 Hz, 1 Phase Export

Design Series

G	R-410A
H	High-Efficiency R-410A
J	High-Efficiency R-32

Engineering

Major & Minor Revisions

Features Code *

A	Standard Model
C	Corrosion Protection (Seacoast)
D	Power Door
F	Fuse Holder (230/208 Only)
L	Lighting Control
H	Hydronic Heat-Capable
P	Condensate Pump (PTH Only)
Q	Quiet STC 31 Chassis
R	RF Antenna
V	Power Vent
X	placeholder
W	Hard-Wired (PTQC)

Heater Size

00	No Electric Heat	35	3.5 kW (230/208V)
15	1.5 kW		3.7 kW (265V)
25	2.5 kW	50	5.0 kW

* Use up to 4 as needed in alphabetical order. Examples:

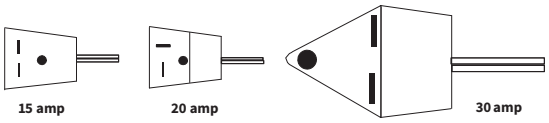
PTC123*50AXXX PTC073*35CRXX

PTC123*50CXXX PTC073*25CQRW

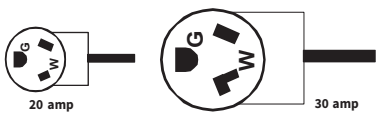
Power Cord Configuration

Power Cord Plugs

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



277V Rating Power Cord Plugs
NEMA 7 Configuration



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

Product Specifications: PTC Models — Cooling/Electric Heat

230/208 Volts						
Model [6, 8, 9]		**PTC 073G***XXX**	**PTC 093G***XXX**	**PTC 123G***XXX**	**PTC 153G***XXX**	**PTC 173G***XXX**
Voltage [3]		230 / 208	230 / 208	230 / 208	230 / 208	230 / 208
Capacity (BTU/h)		7,000 / 7,000	9,200 / 9,000	11,500 / 11,400	15,000 / 14,700	16,400 / 16,200
Amps [10]		3.1 / 3.1	4.1 / 4.1	5.0 / 5.0	7.0 / 7.0	8.4
Watts [10]		580 / 560	790 / 765	1045 / 1035	1,500 / 1,470	1,740 / 1,720
EER		12.0 / 12.5	11.6 / 11.7	11.0 / 11.0	10.0 / 10.0	9.4
Unit without Electric Heater						
Min. Circuit Amps [2, 4, 10]		**3.7**	**5.0**	**6.1**	**8.5**	**10.2**
CFM (Cool/Wet Coil)	High	290	290	290	340	340
	Low	264	264	264	314	314
CFM (Dry Coil)	High	310	310	310	360	360
	Low	282	282	282	332	332
Ventilated Air, CFM (Fan Only)*		65*	65*	65*	65*	65*
Dehumidification (Pints/Hr.)		1.7	2.2	3.6	4.4	4.8
Net Weight (lbs.)		98	102	102	113	113
Ship Weight (lbs.)		113	117	119	130	130

265/277 Volts					
Model [1, 6, 8]		**PTC074G ***XXX**	**PTC094G ***XXX**	**PTC124G ***XXX**	**PTC154G ***XXX**
Voltage [1, 3]		265	265	265	265
Capacity (BTU/h)		7,700	9,000	12,000	14,800
Amps [10]		3.0	3.6	4.8	6.0
Watts [10]		658	796	1,154	1,480
EER		11.7	11.3	10.4	10.0
Unit without Electric Heater					
Min. Circuit Amps [2, 4, 10]		**3.6**	**4.4**	**5.9**	**7.4**
CFM (Cool/Wet Coil)	High	290	290	290	340
	Low	264	264	264	314
CFM (Dry Coil)	High	310	310	310	360
	Low	282	282	282	332
Ventilated Air, CFM (Fan Only)*		65*	65*	65*	65*
Dehumidification (Pints/Hr.)		1.7	2.2	3.6	4.4
Net Weight (lbs.)		98	102	102	113
Ship Weight (lbs.)		113	117	119	130

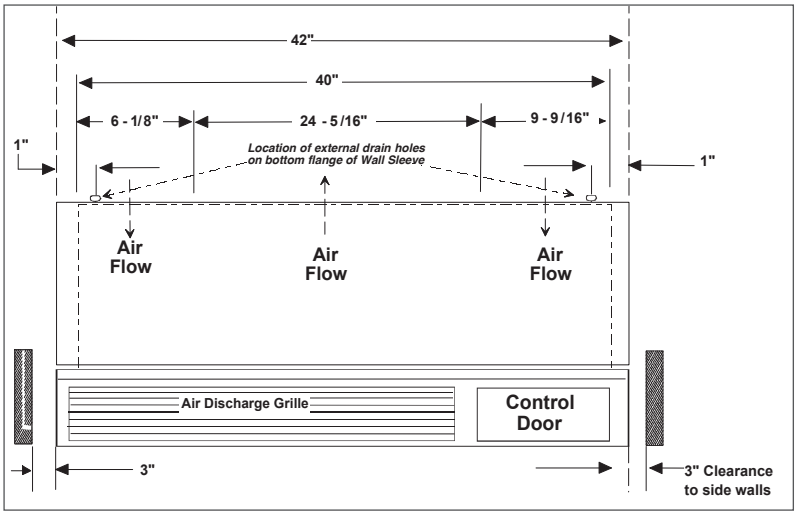
* Actual vent CFM performance will vary due to application and installation conditions.

Notes

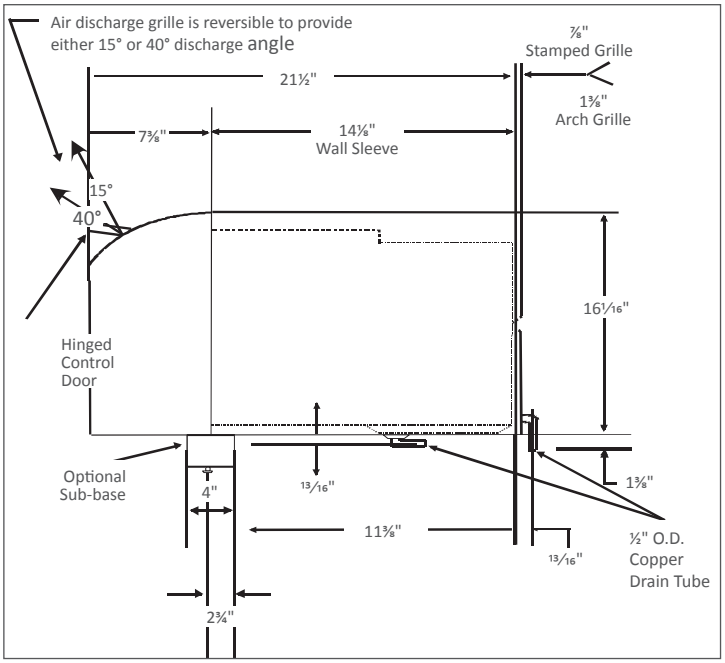
1. All 265-volt models must use an Amana® brand sub-base (PTSB4**E) or an Amana® brand hard-wire kit PTPWHWK4 and disconnect switch PSHW04A.
2. Minimum Circuit Ampacity (MCA) ratings conform to the National Electric Code; however, local codes should apply.
3. Minimum voltage on 230/208-volt models is 197 volts; maximum is 253 volts. Minimum voltage on 265-volt models is 239 volts; maximum is 292 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 all Amana® brand 265-volt chassis). See heater performance
5. Heating capacity and efficiency based on unit operation without condensate pump; unit automatically switches to electric heat at approximately 24°F outdoor ambient.
6. Specify two-digit heater kW size to complete model number.
7. R-410A refrigerant used in all systems.
8. All units meet or exceed ASHRAE 90.1 standards.
9. All units less than 250 volts have a Leak Current Detector Interrupter (LCDI) power cord and meet UL 484 standards.
10. Refer to electric heat performance data for total MCA and recommended overcurrent protection. Amps and Watts notation refers to compressor only.

Unit with Accessory Wall Sleeve and Sub-base Accessory

Top View

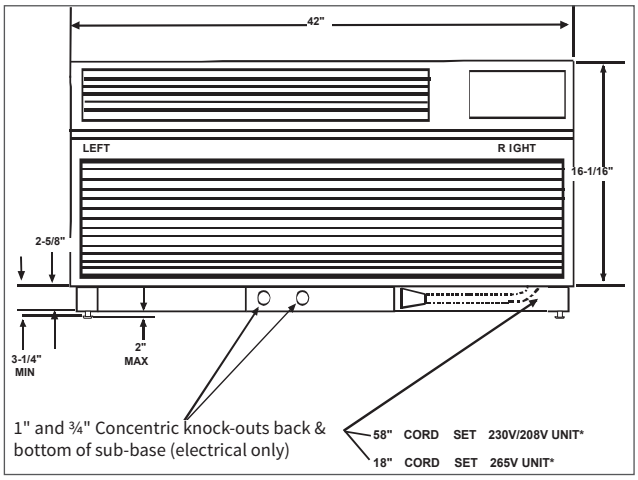


Right View



Front View

58" LCDI CORD SET — 230V/208V UNIT*



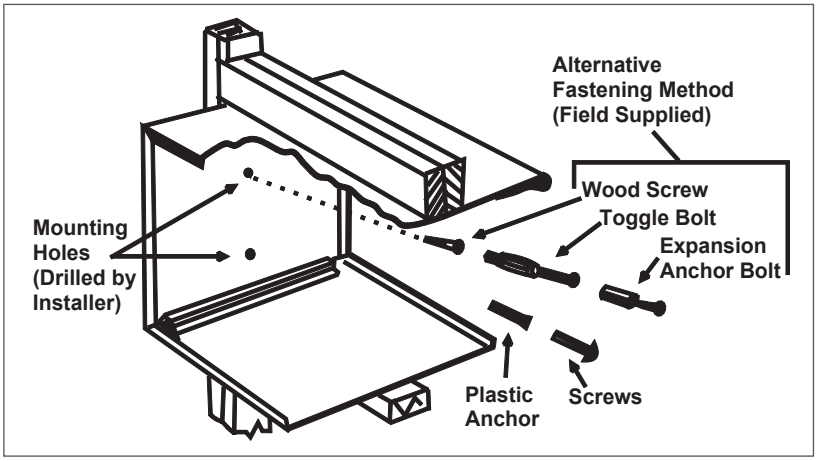
Framing for Accessory Wall Sleeve (WS9XX)

Fastening Wall Sleeve
When installed in an opening, the Wall Sleeve must be horizontally level (side-to-side) and pitched **¼ bubble** to the outside.

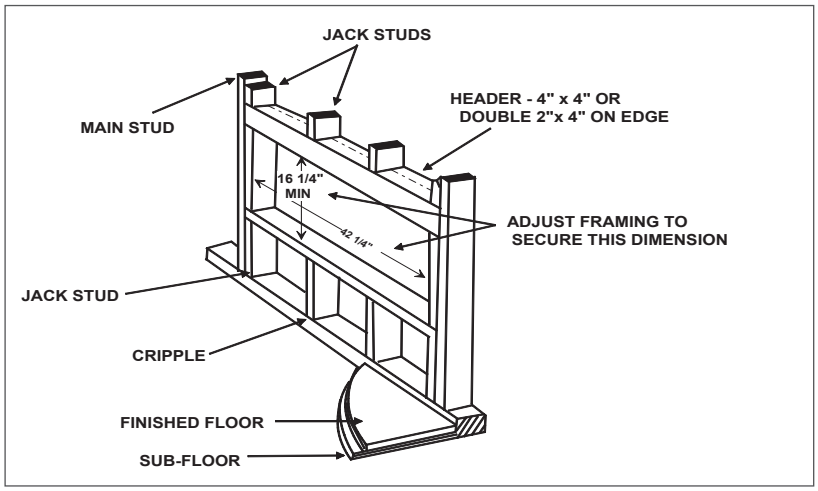
(**NOTE:** To ensure unit's maximum efficiency, **DO NOT** over- or under-pitch.)

Installation Notes

1. If **Sub-base** (PTSB***E) is installed, allow minimum 3¼" height clearance and maximum 5" height clearance between wall sleeve and floor; allow minimum 2¾" protrusion from a finished wall. *See Note 4 if using hydronic units.*
2. **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.
3. For UL approval, 265V units must use Amana® brand **Sub-base** (PTSB***E) or Amana® brand **Hard Wire Kit** (PSHW04A). 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.**
4. 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 **Sub-base** (PTSB***E), only the minimum 3¼" height clearance between wall sleeve and floor is permissible. Unit must also be operated with a remote-mounted thermostat.
5. If **Duct Kit** (MDK***) is installed, allow a minimum of 2⅜" into the room from the finished interior wall.



Wall Sleeve must extend a minimum of ¼" beyond outside wall to allow for proper caulking.



Wall sleeve opening height should be squared with wall sleeve opening width.	H = 16¼"
	W = 42¼"

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AMERICA'S BRAND FOR COMFORT™

A legacy of comfort

The impeccable reputation of an American original

Amana heating and cooling systems are a part of the enduring legacy of one of America's most recognized and respected brands. Originating eight decades ago in Amana, Iowa, the brand is synonymous with long-lasting, premium-quality products — from home appliances to heating and air conditioning equipment. Chances are, you and generations before you have enjoyed the dependable performance and longevity the Amana brand continues to deliver.

American PRIDE

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PROUDLY ASSEMBLED IN THE USA FOR OVER
★35★
YEARS

Call your Amana brand PTAC sales representative at 800-647-2982 for complete details.

Before purchasing this appliance, read important information about its estimated annual energy consumption, yearly operating cost, or energy efficiency rating that is available from your retailer.

www.amana-ptac.com

MC-DPTAC 12-17
Supersedes 4-16