

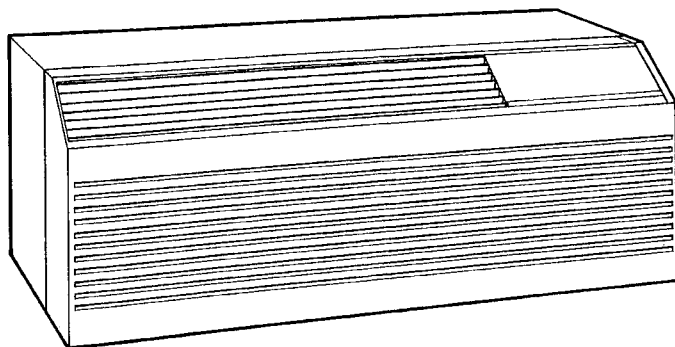


PACKAGED TERMINAL AIR CONDITIONERS AND HEAT PUMPS

**Model PA5S
and PH5S**

7,000 to 14,000 Btuh

PRELIMINARY PRODUCT DATA



DESCRIPTION

Whether installed in a new structure or as replacement units in an existing building, the Model PA5S and PH5S Packaged Terminal Air Conditioner and Heat Pump units will meet your needs. These units are ideal for hotels and motels, nursing homes and assisted living care centers, offices, apartments, single family homes, home conversions, and residential additions.

The PA5S and PH5S models are single-package, thru-the-wall units for heating and cooling. They feature quiet operation, exceptional energy efficiency ratios (EERs), multi-room structured design, fixed wall sleeves, slide-out chassis, and attractive, durable cabinets.

ADVANTAGES OF PACKAGED TERMINAL AIR CONDITIONERS FOR NEW CONSTRUCTION

DESIGN FLEXIBILITY FOR THE ARCHITECT/ENGINEER —

The unit's space-saving duct system and its quiet performance both indoors and out results in greater design flexibility. Design options are flexible because there is no need for additional cooling equipment, water towers, or a separate equipment room. There is no complex match-up of different HVAC components and less sensitivity to building orientation (sun, wind, and shade). Optional architectural grilles provide a custom exterior appearance.

INITIAL COST SAVINGS FOR THE BUILDING OWNER —

Initial costs are lower as there is no need for an expensive component HVAC system purchase, an equipment room, or a maintenance engineering staff. The two-part delivery minimizes on-site damage, the weather-protected wall sleeve goes in place during construction, and the chassis slides in after construction. No seasonal changeover is required for cooling or heating; units are self-contained comfort systems.

LOWER OPERATING COSTS AND RELIABLE COMFORT —

Operating costs are low because heat pump models offer substantial savings over conventional electric resistance heaters; individual units allow tenants to choose the degree of comfort and operating economy; rapid servicing reduces downtime (complete chassis can be replaced in minutes without disrupting other occupants); and each unit operates independently of other units in the building — building does not depend on individual units.

STANDARD FEATURES AND BENEFITS

QUIET OPERATION —

Occupants and neighbors are protected against noise intrusion. Indoor sound reduction comes from the unit's design and its louvered front cover, split scroll and blower, and heavy gage unit partition. Rotary compressors provide quiet, reliable operation. The split scroll provides a more uniform air discharge. The new aerodynamic condenser shroud design improves airflow and reduces outdoor noise, providing a more relaxing outdoor environment. The propeller-type fan and stator design allow efficient low-speed operation.

MOST EFFICIENT PERFORMANCE —

High EERs provide excellent operating economy. The system operates without bulky ductwork or complex match-up of different components, and requires no separate equipment room. Heating and cooling modes are available without seasonal changeover.

REMOVABLE FRONT PANEL —

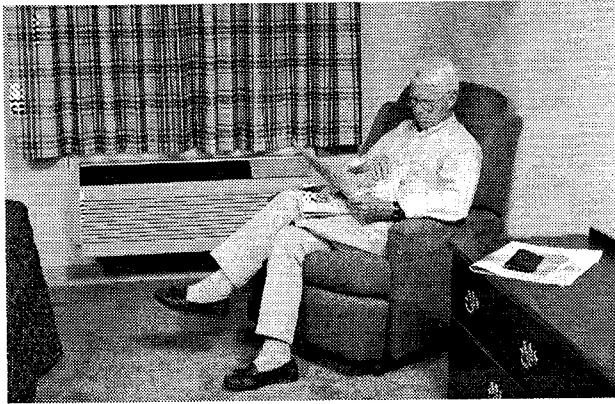
The louvered front panel fits firmly onto the chassis. It is easily removed for service and filter access without removing screws. It provides front air intake to enhance performance and quiet operation. It also provides the option of flush mounting to the floor.

ONE-PIECE WASHABLE INDOOR FILTER —

The filter covers the entire surface area of the coil. Once the front panel is removed, the filter simply snaps out of the track. The one-piece, molded plastic frame with polyurethane filter retains its shape and meets hospital and nursing-home requirements. The filter may be washed or vacuumed repeatedly.

BI-DIRECTIONAL DISCHARGE GRILLE —

The discharge grille is made of durable polycarbonate and is reversible. Air flows upward at an 80 degree angle to the floor but can easily be adjusted toward the horizontal for airflow at a 53 degree angle to the floor. The discharge grille is cool to the touch during the heating cycle.



**The Quiet is engineered into every
PA5S and PH5S Unit.**

CONTROLS

Outdoor Air Vent Control — The vent knob is located under the front panel. This knob slides to manually open and close the outdoor vent.

Fan Cycle Switch — This switch (not available on Remote Control models) allows the fan to operate in 2 modes:

- **Continuous** — This setting allows the fan to run continuously, circulating air even when the temperature setting has been satisfied. It keeps the room temperature closer to the thermostat setting for maximum comfort.
- **Cycle** — This setting allows the fan to cycle on and off with the compressor during heating or cooling. The fan stops when the temperature setting is satisfied. The longer unit off-time makes this option more energy-efficient with only slightly wider variations in room temperature.

CONDENSATE DRAIN VALVE — The temperature-activated drain opens when the outdoor temperature drops below 45 F to prevent water from freezing in the basepan.

CONDENSATE REMOVAL SYSTEM — The PA5S and PH5S units have a slinger ring around the outside of the outdoor fan propeller. Condensate (water) in the unit basepan is picked up by the slinger ring and dispersed onto the hot outdoor condenser coil. The heat from the coil evaporates the condensate and the condensate cools the coil at the same time, increasing the unit's efficiency as condensate is removed.

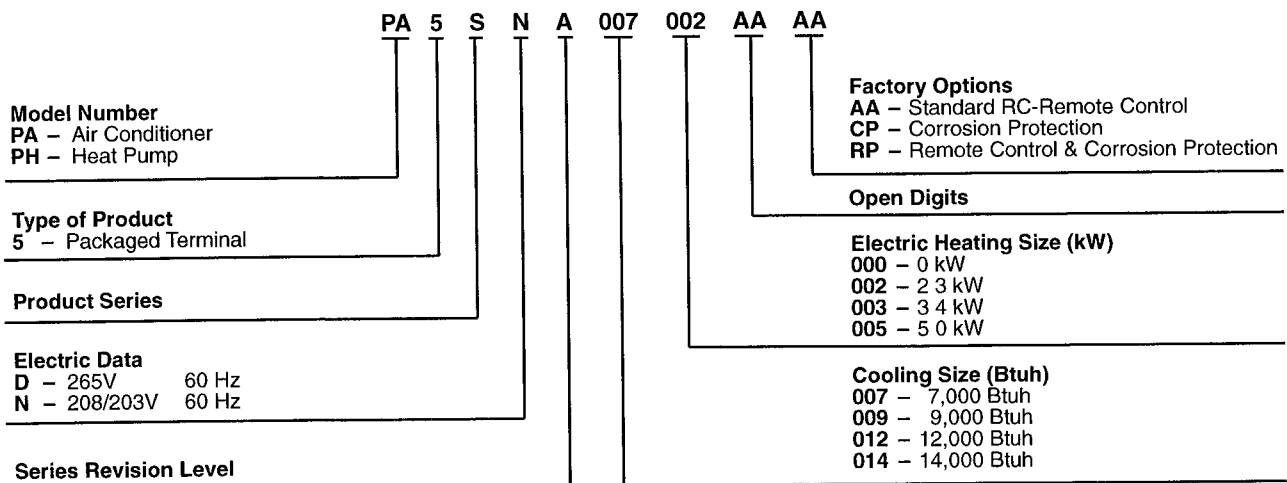
NOTE: If it is necessary to remove 100% of the condensate, the manufacturer recommends using its Drain Kit (Part No.: DRAIN-KIT-4PK).

WARRANTY — The full one-year warranty in which the manufacturer provides full coverage for parts and labor.

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MODEL DESCRIPTION



HEAT PUMP FEATURES

HEAT PUMP ENERGY SAVINGS come from lower operating costs during the heating cycle than costs of heat/cool models. The higher initial cost of purchasing a heat pump is quickly made up in lower operating costs. In many locales, the payback is realized in just a few months. Savings are determined by life-style, local electrical rates, and climatic conditions.

TWO-STAGE INDOOR THERMOSTAT senses the indoor temperature and automatically turns on electric heat to warm the room quickly. It automatically switches to Heat Pump mode when the room reaches the desired temperature and provides automatic backup heat if the compressor should fail.

OUTDOOR THERMOSTAT senses outdoor temperature during the heating cycle. It switches the unit to electric heat mode when the outdoor temperature is 25 F or below. The thermostat switches the unit back to Heat Pump mode when the outdoor temperature rises above 35 F, which is enough to provide heat to meet demand. The entire operation is completely automatic.

MANUAL COMPRESSOR OVERRIDE SWITCH completely locks out the compressor. Note that the compressor and heater do not operate at the same time, thus conserving energy.

FIELD-INSTALLED ACCESSORIES — DESCRIPTION AND USAGE

Wall Sleeve

Part No.: PAYNE-SLEEVE-1PK

The Payne accessory wall sleeve is made from a molded polymer that offers durability, corrosion resistance and a flammability rating of UL945V. It absorbs sound, insulates better than a metal sleeve, and has a textured surface that prevents shine and hides scratches. Drain openings and overflow slots divert excess water during severe weather. **No angle adjustment is needed for installation.** Holes in the side panels allow easy fastening of the sleeve to wall openings. An accessory drain kit is available, if needed (Part No. DRAIN-KIT-4PK).

It accommodates all Payne accessory grilles, which require no screws to snap in place. The sleeve design ensures easy chassis removal. It is recommended that a Payne sleeve be used with a Payne chassis. However, an accessory retrofit kit may be ordered when fitting a new unit into an existing sleeve. See Accessory Retrofit Kit for GE sleeve on page 5 and for Amana/Trane sleeve on page 5. Refer to the model PA5S and PH5S installation instructions for complete sleeve and chassis installation procedures. Refer to dimension drawings (pages 6 and 7) for typical wall installation and unit dimensions.

NOTE: In applications where more than 4 in. of sleeve project into the room or the wall is less than 2 in. thick, an accessory subbase must be used for support (Part No. SUB-BASE).

Aluminum Architectural Outdoor Grilles (Louvered)

Part No.: GRILLE-ALU-WHITE

Part No.: GRILLE-ALU-BRONZ

Part No.: GRILLE-ALU-BROWN

Part No.: GRILLE-ALU-BEIGE

This premium line of decorative outdoor grilles will enhance the appearance of any building. The grilles are made of durable, extruded, anodized aluminum and can be installed easily from inside the room. Several colors in baked enamel finishes are available. For more information on custom colors and sizes, contact Reliable Products at 1-800-624-3914.

Plastic Architectural Outdoor Grilles (Louvered)

Part No.: GRILLE-PLA-BROWN

Part No.: GRILLE-PLA-BEIGE

This value line of outdoor grilles is made of durable polymer with a colorfast, lightly-textured finish that blends well with most exterior finishes. Installed easily from inside the room, the

one-piece molded grille is designed for protection, enhanced appearance, and superior weather resistance

Standard Outdoor Aluminum Grille

Part No.: GRILLE-ALU-STAMP

This cost-effective, one-piece standard grille is made from durable anodized aluminum. The grille is lightweight, has a clear finish, and is easy to install from inside the room.

IMPORTANT: if you wish to use a grille made by a different manufacturer, call the service center at 1-800-894-6449.

Sleeve Insulation Kit

Part No.: INSULATION-KIT

The accessory sleeve insulation kit prevents indoor condensation under low outdoor temperature conditions. In addition, this accessory reduces the transmission of outdoor noise into the room. The kit comes with pre-cut insulation.

Drain Kit

Part No.: DRAIN-KIT-4PK

This universal drain kit may be used internally or externally to route condensate to a drainage system. It can be field-installed. It may be attached to the exterior right or left side of the wall sleeve for external draining or to the room side for internal draining. Under some abnormal weather conditions, excess condensate may be generated. If condensate that drips from the wall case is objectionable, the drain kit should be installed.

Hard-Wire Kit

Part No.: H/W-KIT-230V

Part No.: H/W-KIT-230V-4PK

Part No.: H/W-KIT-265V

Part No.: H/W-KIT-265V-4PK

This accessory hard-wire kit provides a permanent connection to the unit. Electrical hard wiring is required when NEC (National Electrical Code) or local codes restrict the use of power cord and plug connections. This kit fits onto the right side of the unit and comes with 42 in. of flexible steel conduit, an electrical junction box, and a unit-mounted connector. The 230-volt kit comes with an additional plug assembly to use when replacing the 230-volt cord.

265v Cord-Connection Kit

Part No.: PLUG-265V-15AMP

Part No.: PLUG-265V-20AMP

Part No.: PLUG-265V-30AMP

This 265-volt cord-connection kit is an alternative to a 265-volt permanent hard-wire connection. The kit contains an 18-inch cord and a unit-mounted plug connection. This field-installed accessory connects easily to the right side of the unit and plugs into a receptacle in a subbase. The subbase and a field-supplied receptacle are required with the use of the cord-connection kit.

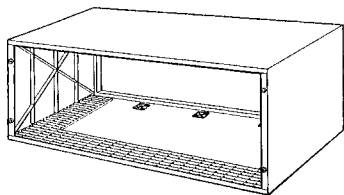
Subbase

Part No.: SUB-BASE

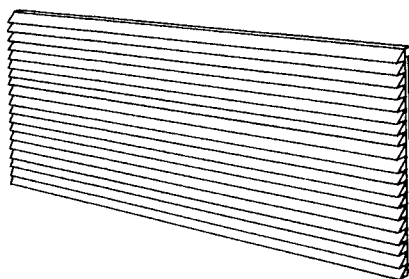
This subbase mounts to the wall sleeve to support the unit, route electrical wires, and provide a finished, decorative appearance. It accommodates several electrical configurations and allows flexible field installation of electrical hard-wire and cord connections. Electrical receptacles must be field-supplied. Subbase and receptacle must be installed if the 265-V Cord-Connection Kit is used (Part Nos.: PLUG-265V-15AMP, PLUG-265V-20AMP, or PLUG-265V-30AMP).

A subbase is required when the unit's wall sleeve extends 4 or more inches into the room or the wall is less than 2 in. thick. The minimum clearance between the sleeve bottom and the floor is 3/4 in.; maximum clearance is 5 1/2 inches. The subbase comes with two leveling legs. See wall sleeve installation instructions for leveling information.

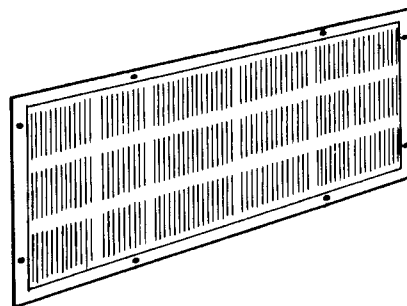
FIELD-INSTALLED ACCESSORIES — DESCRIPTION AND USAGE (cont)



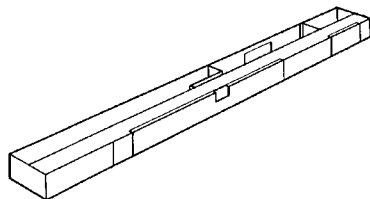
**Corrosion-Protected
Wall Sleeve**



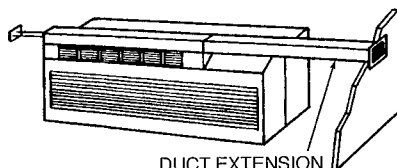
**Architectural Outdoor Grille
in Aluminum or Plastic**



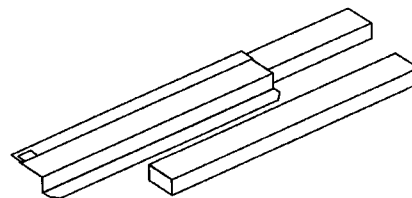
Standard Grille



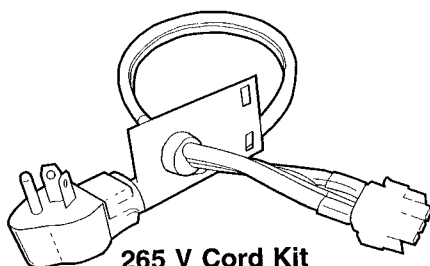
Subbase



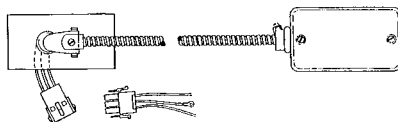
Lateral Duct Kit



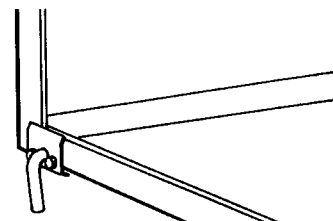
**GE, Amana/Trane
Sleeve Retrofit Kits**



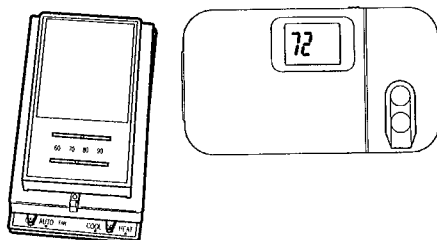
265 V Cord Kit



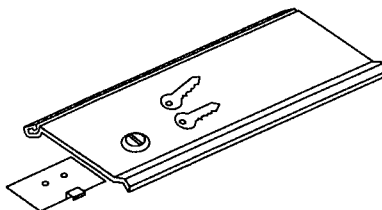
Hard-Wire Kit



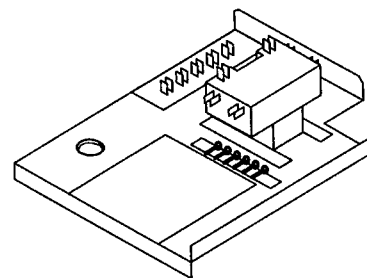
Drain Kit



Thermostats



Security Door Kit



Energy Management Kit

FIELD-INSTALLED ACCESSORIES — DESCRIPTION AND USAGE (cont)

Lateral Duct Kit

Part No.: LAT-DUCT-PLENUM (Adapter Plenum)

Part No.: EXTENSION-DUCT (Extension)

The accessory lateral duct kit allows one unit to heat or cool two rooms. It provides substantial savings for apartments and hotel and office suites by eliminating the need for separate units for each room. The amount of air that can be diverted to an adjoining room is adjustable from 10 to 40 percent. The kit consists of the plenum and the extension duct. The kit mounts to the wall sleeve for either right- or left-side ducting.

See page 7 for more information.

Security Door Kit

Part No.: SECURITY-DOOR

This key-locking security door kit prevents unauthorized access to the unit's heating and cooling controls to discourage tampering with units in public locations and institutions. This field-installed accessory includes two matching keys and fits all Payne PA5S and PH5S models. The key is common to all security door kits.

Manual Changeover Wall Thermostat

Part No.: HH01AD045

This manual changeover wall thermostat provides a reliable and consistent level of occupant temperature control for both heat pumps and heating-cooling units. The thermostat consists of a conventional vented cover and coiled bilateral element. It is used only on remote control (RC) models.

Programmable Thermostat

Part No.: TSTATCCPAC01-B

This microcomputer-controlled, programmable wall thermostat has enhanced features that provide automatic changeover control for both heat pumps and heating-cooling units. It is used only on remote control (RC) units. Both heat pump and heating-cooling units operate with a heating-cooling thermostat. A heat pump thermostat should not be used with this product.

Replacement Filters

Part No.: AIR-FILTER-25PK

The PA5S and PH5S model replacement filters come in packages of 25. The filters save energy by preventing the evaporator coils from being plugged with dirt and lint. These economical and sturdy mesh filters may be washed, vacuumed, and reused. Payne's filters meet original equipment specifications and are factory-authorized replacement parts.

Energy Management Kit

Part No.: EM-KIT

This field-installed accessory kit allows individual units to be turned on and off via remote control. When installed at a hotel desk, it allows hotel staff to easily conserve energy by turning off units in unoccupied rooms.

This kit interfaces with most energy management systems. It incorporates Payne's Freeze Guard protection, which prevents rooms from freezing during extreme cold. In such conditions,

Freeze Guard automatically disables front desk control and allows the unit to maintain a room temperature of at least 50 F. When the room reaches 65 F, this feature returns unit control to the front desk. The kit can also control unit operation by receiving signals from field-supplied devices such as motion or heat sensors.

Control devices connected to the Energy Management Kit must have normally open sets of contacts (when the switch is open, the unit operates). A 24-volt transformer must be field-supplied and connected to the Energy Management Kit. See typical wiring diagram on page 17.

Accessory Retrofit Kit for GE Sleeve

Part No.: GE-RETROFIT-KIT

This kit enables owners to install a Payne chassis into a plastic or metal GE sleeve so that no air leakage or component damage occurs. The Retrofit Kit must be ordered separately from the factory as an accessory.

Accessory Retrofit Kit for Amana/Trane Sleeve

Part No.: GE-RETROFIT-KIT

This kit enables owners to install a Payne chassis into an Amana or Trane sleeve so that no air leakage or component damage occurs. The kit includes a bracket, foam baffles, screws, side angles, a foam seal, and foam gaskets. The retrofit kit must be ordered separately from the factory as an accessory.

FACTORY-INSTALLED OPTIONS

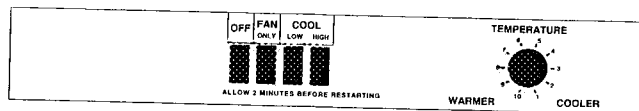
Corrosion Protection

Additional corrosion protection for painted partition painted control box, and outside coil in seacoast applications.

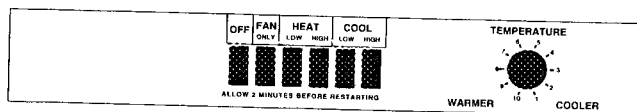
Remote Control

Permits the unit to be operated automatically from a remote accessory thermostat.

CONTROL PANEL CONFIGURATIONS



A. Cooling-Only Unit

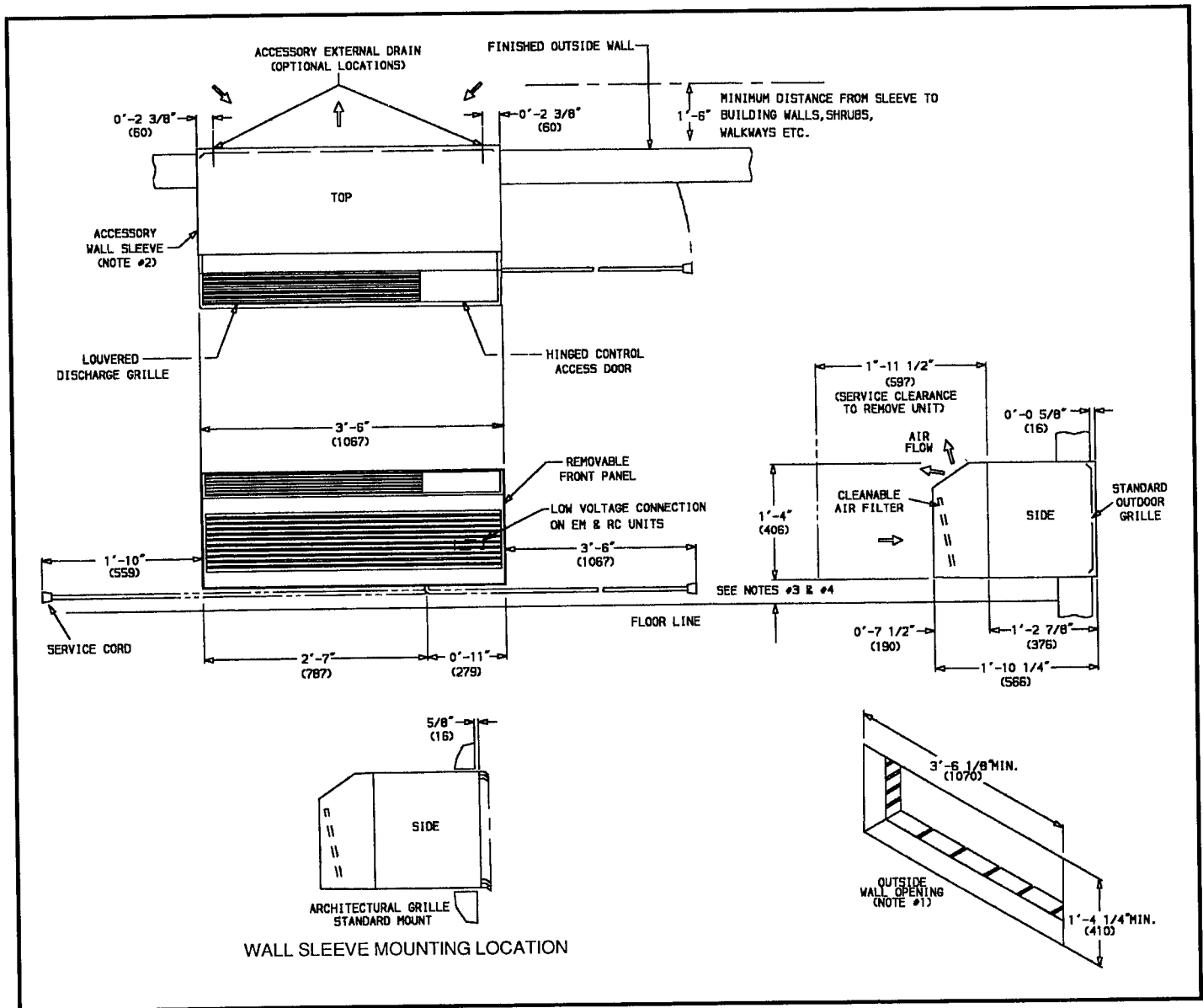


B. Cooling/Heating Unit



C. Cooling/Heating Unit With Remote Control
(Blank Plate)

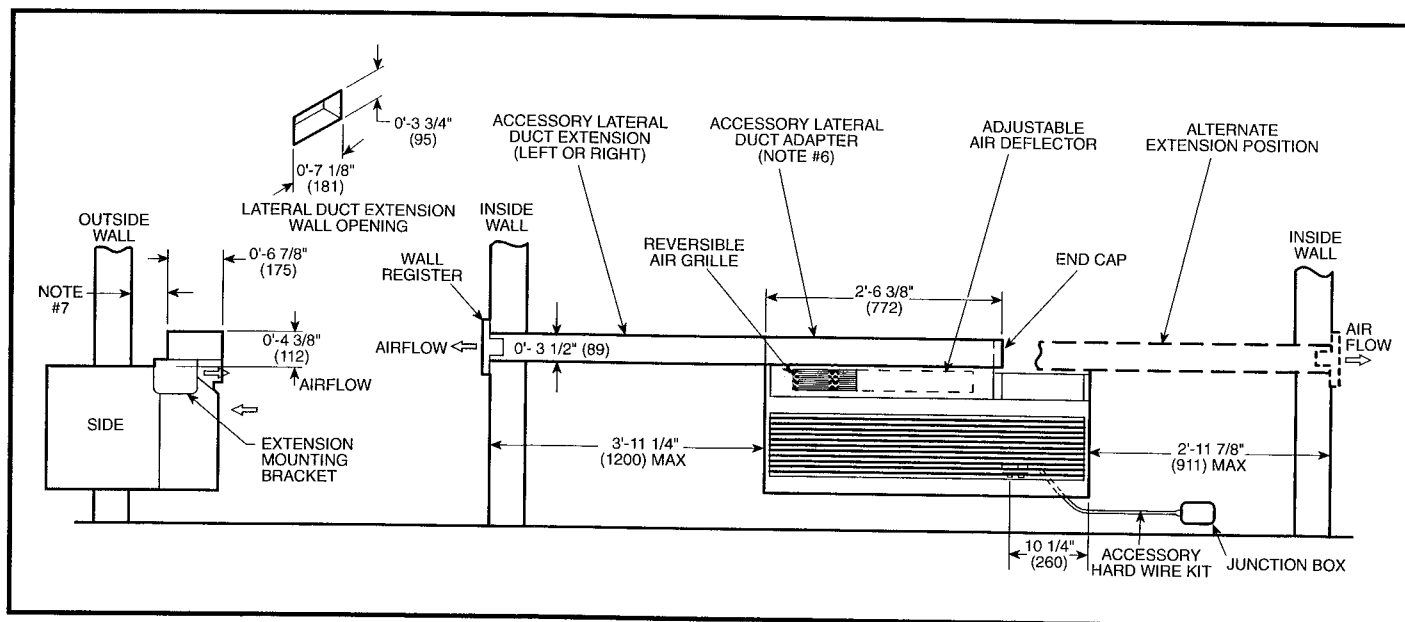
DIMENSIONAL DRAWING — PA5S AND PH5S



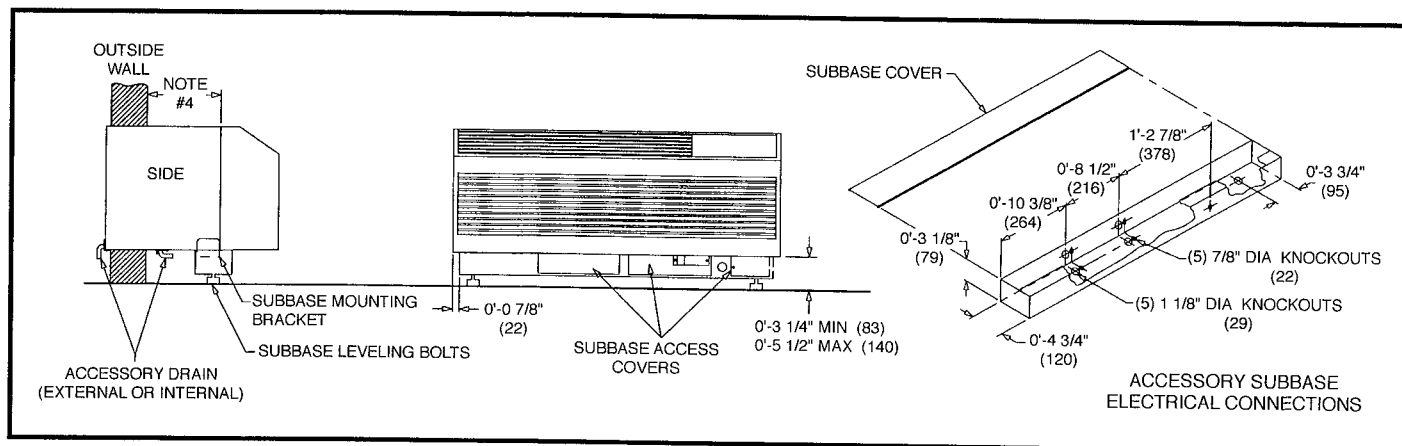
NOTES FOR DIMENSIONAL DRAWINGS

1. Minimum opening sizes apply to all wall openings
2. Installed wall sleeve must be level from side to side and front to back
3. Sleeve can be flush mounted to floor, but front panel may have to be notched to accommodate service cord, except for units with subbase (see Note #4)
4. When using subbase accessory, wall sleeve must extend into room 3¼ in. minimum and must be installed 3¼ in. minimum to 5½ in. maximum from floor
5. Dimensions in parentheses are in millimeters.
6. For all applications with an accessory lateral duct, sleeve must extend into the room 1 in. minimum
7. If wall sleeve extends into room more than 4 in., an accessory subbase must be used.

DIMENSIONAL DRAWING — PA5S AND PH5S WITH LATERAL DUCT



DIMENSIONAL DRAWING — PA5S AND PH5S WITH SUBBASE



PRODUCT DATA

PERFORMANCE AND ELECTRICAL DATA

HEAT PUMP MODELS (230/208V)

MODEL NUMBER PH5SNA	CAPACITY* (Btuh)			HEATER kW	EER	COP†	VOLTAGE RANGE (Volts)	AMPS		WATTS	
	Cooling	Heating						Cooling	Heating**	Cooling	Heating
		Rev. Cyc	Electric								
007002AAAA	6,900/ 6,900	6,100/ 6,000	7,800/ 6,400	2.3	10 0/10.0	2.9/2.9	253-198	2 5/3 1	10 6/ 9.6	675/ 655	2440/2040
007003AAAA	6,900/ 6,900	6,100/ 6,000	11,600/ 9,500	3.4	10 0/10.0	2.9/2.9		2.5/3.1	15.4/14.2	675/ 655	3540/2990
009002AAAA	8,600/ 8,600	7,900/ 7,800	7,800/ 6,400	2.3	9 0/ 9.0	2.8/2.8	253-187	4 4/4 7	10 9/ 9.8	925/ 905	2440/2025
009003AAAA	8,600/ 8,600	7,900/ 7,800	11,600/ 9,500	3.4	9.0/ 9.0	2.8/2.8		4.4/4 7	15.7/14.4	925/ 905	3540/2975
012002AAAA	11,800/11,800	10,700/10,600	7,800/ 6,400	2.3	8 7/ 8.7	2.8/2.8	253-198	5 8/6 2	11.0/ 9.9	1275/1255	2500/2025
012003AAAA	11,800/11,800	10,700/10,600	11,600/ 9,500	3.4	8.7/ 8.7	2.8/2.8		5 8/6.2	15.8/14.5	1275/1255	3600/3025
012005AAAA	11,800/11,800	10,700/10,600	16,900/13,600	5.0	8 7/ 8.7	2.8/2.8		5.8/6 2	22.7/20.0	1275/1255	5200/4175
014002AAAA	13,200/13,200	11,000/11,000	7,800/ 6,400	2.3	8.5/ 8.5	2.6/2.6	253-187	6.9/7.4	10.9/ 9.8	1530/1500	2510/2070
014003AAAA	13,200/13,200	11,000/11,000	11,600/ 9,500	3.4	8.5/ 8.5	2.6/2.6		6.9/7.4	15.7/14.4	1530/1500	3610/3020
014005AAAA	13,200/13,200	11,000/11,000	16,900/13,600	5.0	8.5/ 8.5	2.6/2.6		6.9/7.4	22.6/19.9	1530/1500	5210/4170

MODEL NUMBER PH5SNA	POWER FACTOR (%)	FAN MOTOR			MAX FUSE SIZE (Amp)	MIN. CIRCUIT (Amp)	RECEP- TACLE TYPE	R-22 CHARGE (oz)	DEHUMIDIFI- CATION (Pints/Hr)	APPROX SHIP WT (lb)
		Horsepower	Full Load Amps	Indoor CFM HI/LO						
007002AAAA	97	1/15	0.6	280/200	15	13.1	A	24	1.3	125
007003AAAA					20	19.1	B			
009002AAAA	95	1/8	0.78	350/300	15	13.4	A	26	2.3	128
009003AAAA					20	19.4	B			
012002AAAA	98	1/6	1.0	380/310	15	12.3	A	34	3.3	129
012003AAAA					20	18.0	B			
012005AAAA					30	24.9	C			
014002AAAA	98	1/8	0.78	350/300	15	13.4	A	37	4.3	130
014003AAAA					20	19.4	B			
014005AAAA					30	28.0	C			

LEGEND

EER — Energy Efficiency Ratio

*Rated in accordance with ARI Standard 310/380-93

†Coefficient of Performance (COP) at 47 F outdoor ambient temperature

**Electric resistance heater power and fan motor power



RECEPTACLES AND FUSE TYPES

UNIT NAMEPLATE VOLTAGE	230/208		
	250/15	250/20	250/30
OUTLET RATED VOLTS/AMPS			
OUTLET BLADE CONFIGURATION	 A	 B	 C
FEMALE RECEPTACLE MANUFACTURER'S PART NO			
Hubbell	5661	5461	9330
P&S	5661	5871	5930
GE	GE4069-1	GE4182-1	GE4139-3
Arrow-Hart	5661	5861	5700
NEMA CONFIGURATION	6-15R	6-20R	6-30R
TIME DELAY FUSE OR HACR CIRCUIT BREAKER (AMPS)	15	20*	30
HEATER (KILOWATTS)	2.3	3.4	5.0

LEGEND

HACR — Heating, Air Conditioning, and Refrigeration

NEMA — National Electrical Manufacturers Association

*May be used for 15-amp applications if fused for 15 amps

PRODUCT DATA (cont)

PERFORMANCE AND ELECTRICAL DATA (cont)

HEAT PUMP MODELS (265V)

MODEL NUMBER PH5SDA	CAPACITY* (Btuh)			HEATER kW	EER	COP†	VOLT RANGE	AMPS		WATTS	
	Cooling	Heating						Cooling	Heating**	Cooling	Heating
		Rev Cycle	Electric								
007002AAAA	7,000	6,000	7,800	2.3	10.0	2.9	292-239	2.9	9.3	675	2435
007003AAAA	7,000	6,000	11,600	3.4	10.0	2.9		2.9	13.4	675	3535
009002AAAA	8,600	7,900	7,800	2.3	9.0	2.8		3.9	9.4	938	2435
009003AAAA	8,600	7,900	11,600	3.4	9.0	2.8		3.9	13.5	938	3535
012002AAAA	11,800	11,000	7,800	2.3	8.7	2.8		5.2	9.5	1333	2508
012003AAAA	11,800	11,000	11,600	3.4	8.7	2.8		5.2	13.6	1333	3608
012005AAAA	11,800	11,000	17,000	5.0	8.7	2.8		5.2	19.7	1333	5208
014002AAAA	13,200	11,000	7,800	2.3	8.5	2.6		5.9	9.5	1535	2505
014003AAAA	13,200	11,000	11,600	3.4	8.5	2.6		5.9	13.6	1535	3605
014005AAAA	13,200	11,000	17,000	5.0	8.5	2.6		5.9	19.7	1535	5205

MODEL NUMBER PH5SDA	POWER FACTOR %	FAN MOTOR			MAX FUSE SIZE (Amps)	MIN CIRCUIT AMPS	RECEP- TACLE TYPE††	R-22 CHARGE (oz)	DEHUMIDI- FICATION (Pints/Hr)	APPROX CHASSIS SHIP WT (lb)
		Horsepower	Full Load Amps	Indoor CFM HI/LO						
007002AAAA	97	1/15	0.56	280/200	15	11.6	A	26	3.00	125
007003AAAA					20	16.8	B			
009002AAAA	98	1/8	0.7	350/300	15	11.6	A	26	2.33	128
009003AAAA					20	16.8	B			
012002AAAA	98	1/6	0.8	380/310	15	11.8	A	34	3.40	129
012003AAAA					20	16.9	B			
012005AAAA					25	24.5	C			
014002AAAA	98	1/8	0.7	350/300	15	11.7	A	37	4.20	130
014003AAAA					20	16.8	B			
014005AAAA					25	24.5	C			

LEGEND

EER — Energy Efficiency Ratio

*Rated in accordance with ARI Standard 310/380-93.

†Coefficient of Performance (COP) at 47 F outdoor ambient temperature

**Electric resistance heater power and fan motor power

††All 265V units require either the Accessory Hard-Wire Kit or the Accessory Cord-Connected Kit for installation. Use of the Accessory Cord-Connected Kit requires the installation of the Subbase along with a field-supplied receptacle. Receptacle configurations of the Accessory Cord-Connected Kit are shown at right



RECEPTACLES AND FUSE TYPES

UNIT NAMEPLATE VOLTAGE	265		
OUTLET RATED VOLTS/AMPS	277/15	277/20	277/30
OUTLET BLADE CONFIGURATION	 A	 B	 C
FEMALE RECEPTACLE MANUFACTURER'S PART NO	5302	7621	57959
Arrow-Hart	—	—	9315
Hubbell	834B-BOX	384B-BOX	—
Eagle	—	—	—
NEMA CONFIGURATION	7-15R	7-20R	7-30R
TIME DELAY FUSE OR HACR CIRCUIT BREAKER (AMPS)	15	20	30
HEATER (KILOWATTS)	2.3	3.4	5.0

LEGEND

HACR — Heating, Air Conditioning, and Refrigeration
NEMA — National Electrical Manufacturers Association

PRODUCT DATA (cont)

PERFORMANCE AND ELECTRICAL DATA (cont)

HEAT/COOL MODELS (230/208V)

MODEL NUMBER PA5SNA	CAPACITY* (Btuh)		EER	HEATER kW	VOLTAGE RANGE	AMPS		WATTS	
	Cooling	Heating				Cooling	Heating†	Cooling	Heating
007000AAAA	7,000/ 7,000	0/0	10.5/10.5	0	253-198	2 8/3 0	0	645/ 628	0/0
007002AAAA	7,000/ 7,000	7,800/ 6,400	10.5/10.5	2.3		2 8/3.0	10.6/ 9.6	645/ 628	2440/2040
007003AAAA	7,000/ 7,000	11,600/ 9,500	10.5/10.5	3.4		2.8/3 0	15.4/14.2	645/ 628	3540/2990
009000AAAA	9,000/ 9,000	0/0	9.0/ 9.0	0	253-187	4.4/4.6	0	979/ 979	0/0
009002AAAA	9,000/ 9,000	7,800/ 6,400	9.0/ 9.0	2.3		4.4/4.6	10.8/ 9.9	979/ 979	2440/2025
009003AAAA	9,000/ 9,000	11,600/ 9,500	9.0/ 9.0	3.4		4.4/4.6	15.6/14.5	979/ 979	3540/2975
012000AAAA	11,600/11,600	0/0	8.7/ 8.7	0		5.9/6.3	0	1310/1288	0/0
012002AAAA	11,600/11,600	7,800/ 6,400	8.7/ 8.7	2.3		5.9/6.3	11.0/ 9.9	1310/1288	2500/2075
012003AAAA	11,600/11,600	11,600/ 9,500	8.7/ 8.7	3.4		5.9/6.3	15.8/14.5	1310/1288	3600/3025
012005AAAA	11,600/11,600	16,900/13,600	8.7/ 8.7	5.0		5.9/6.3	22.7/20.0	1310/1288	5200/4175
014000AAAA	13,200/13,200	0/0	8.5/ 8.5	0		6.8/7.3	0	1530/1500	0/0
014002AAAA	13,200/13,200	7,800/ 6,400	8.5/ 8.5	2.3		6.8/7.3	10.9/ 9.8	1530/1500	2510/2070
014003AAAA	13,200/13,200	11,600/ 9,500	8.5/ 8.5	3.4		6.8/7.3	15.7/14.4	1530/1500	3610/3020
014005AAAA	13,200/13,200	16,900/13,600	8.5/ 8.5	5.0		6.8/7.3	22.6/19.9	1530/1500	5210/4170

MODEL NUMBER PA5SNA	POWER FACTOR (%)	FAN MOTOR			MAX. FUSE SIZE (Amps)	MIN. CIRCUIT (Amps)	RECEP- TACLE TYPE	R-22 CHARGE (oz)	DEHUMIDIFI- CATION (Pints/Hr)	APPROX SHIP WT. (lb)
		Horsepower	Full Load Amps	Indoor CFM HI/LO						
007000AAAA	97	1/15	0.6	280/200	15	5.0	A	23	1.3	128
007002AAAA						13.1				
007003AAAA						19.1				
009000AAAA	97	1/8	0.78	350/300	15	6.7	A	27	2.1	120
009002AAAA						13.3				
009003AAAA						19.3				
012000AAAA	98	1/6	1.0	380/310	15	7.4	A	36	3.5	129
012002AAAA						13.5				
012003AAAA					20	19.5	B			
012005AAAA					30	27.6	C			
014000AAAA	98	1/8	0.78	350/300	15	10.5	A	35	4.7	129
014002AAAA						13.5				
014003AAAA					20	19.5	B			
014005AAAA					30	27.6	C			

LEGEND

EER — Energy Efficiency Ratio

*Rated in accordance with ARI Standard 310/380-93
†Electric resistance heater power and fan motor power.



RECEPTACLES AND FUSE TYPES

UNIT NAMEPLATE VOLTAGE	230/208		
	250/15	250/20	250/30
OUTLET RATED VOLTS/AMPS			
OUTLET BLADE CONFIGURATION			
FEMALE RECEPTACLE MANUFACTURER'S PART NO			
Hubbell	5661	5461	9330
P&S	5661	5871	5930
GE	GE4069-1	GE4182-1	GE4139-3
Arrow-Hart	5661	5861	5700
NEMA CONFIGURATION	6-15R	6-20R	6-30R
TIME DELAY FUSE OR HACR CIRCUIT BREAKER (AMPS)	15	20*	30
HEATER (KILOWATTS)	2.3	3.4	5.0

LEGEND

HACR — Heating, Air Conditioning, and Refrigeration
NEMA — National Electrical Manufacturers Association

*May be used for 15-amp applications if fused for 15 amps

PRODUCT DATA (cont)

PERFORMANCE AND ELECTRICAL DATA (cont)

HEAT/COOL MODELS (265V)

MODEL NUMBER PA5SDA	CAPACITY* (Btuh)		EER	HEATER kW	VOLT RANGE	COOLING (Amps)	HEATING† (Amps)	COOLING (Watts)	HEATING (Watts)
	Cooling	Heating							
007000AAAA	7,000	0	10.5	0	292-239	2 7	0	645	0/0
007002AAAA	7,000	7,800	11 0	2.3		2 7	9.3	645	2435
007003AAAA	7,000	11,600	11 0	3.4		2 7	13.4	645	3535
009000AAAA	9,000	0	9 0	0		3.8	0	958	0/0
009002AAAA	9,000	7,800	9.5	2.3		3.8	9.4	958	2435
009003AAAA	9,000	11,600	9.5	3.4		3 8	13.5	958	3535
012000AAAA	12,000	0	8 7	0		5.2	0	1304	0/0
012002AAAA	12,000	7,800	9 2	2.3		5 2	9.5	1304	2508
012003AAAA	12,000	11,600	9 2	3.4		5.2	13.6	1304	3608
012005AAAA	12,000	17,000	9 2	5 0		5 2	19.7	1304	5208
014000AAAA	13,500	0	8.5	0		5 9	0	1522	0/0
014002AAAA	13,500	7,800	9 0	2.3		5 9	9.5	1522	2505
014003AAAA	13,500	11,600	9 0	3.4		5 9	13.6	1522	3605
014005AAAA	13,500	17,000	9 0	5 0		5 9	19.7	1522	5205

MODEL NUMBER PA5SDA	POWER FACTOR %	FAN MOTOR			MAX. FUSE SIZE (Amps)	MIN. CIRCUIT AMPS	RECEP- TACLE TYPE**	R-22 CHARGE (oz)	DEHUMIDIFICA- TION (Pints/Hr)	APPROX CHASSIS SHIP WT (lb)
		Hp	Full Load Amps	Indoor CFM HI/LO						
007000AAAA	94	1/15	0.56	280/200	15	11.5	A	23	1.3	125
007002AAAA					20	16.6	B			
007003AAAA										
009000AAAA	95	1/8	0.7	350/300	15	5.6	A	27	2.1	120
009002AAAA					16.7					
009003AAAA					20	16.7	B			
012000AAAA	99	1/6	0.8	380/310	15	6.5	A	36	3.4	129
012002AAAA					16.7					
012003AAAA					25	11.7	B			
012005AAAA					25	24.8	C			
014000AAAA	98	1/8	0.7	350/300	15	8.1	A	35	4.7	130
014002AAAA					11.7					
014003AAAA					25	16.8	C			
014005AAAA					25	24.4	C			

LEGEND

EER — Energy Efficiency Ratio

*Rated in accordance with ARI Standard 310/380-93

†Electric resistance heater power and fan motor power.

**All 265V units require either the Accessory Hard-Wire Kit or the Accessory Cord-Connected Kit for installation. Use of the Accessory Cord-Connected Kit requires the installation of the Subbase along with a field-supplied receptacle. Receptacle configurations of the Accessory Cord-Connected Kit are shown at right



RECEPTACLES AND FUSE TYPES

UNIT NAMEPLATE VOLTAGE	265		
	277/15	277/20	277/30
OUTLET RATED VOLTS/AMPS			
OUTLET BLADE CONFIGURATION			
FEMALE RECEPTACLE MANUFACTURER'S PART NO			
Arrow-Hart	5302	7621	5795N
Hubbell	—	—	9315
Eagle	834B-BOX	834B-BOX	—
NEMA CONFIGURATION	7-15R	7-20R	7-30R
TIME DELAY FUSE OR HACR CIRCUIT BREAKER (AMPS)	15	20	30
HEATER (KILOWATTS)	2.3	3.4	5.0

HACR — Heating, Air Conditioning, and Refrigeration

NEMA — National Electrical Manufacturers Association

PRODUCT DATA (cont)

EXPANDED RATINGS DATA

COOLING PERFORMANCE — PA5S AND PH5S 7000 AND 9000 BTU MODELS
(230 AND 265 V)

ALL 7000 NOMINAL BTUH MODELS

Evaporator entering air temp. — 80 F Evap. air — 280 CFM

TEMP (F) AIR ENT COND (40% RH)		EVAP. AIR — EWB (F)			
		57 00	62 00	67 00	72 00
80	MBtuh	7 11	7 12	7 86	8 79
	kW	0 58	0 58	0 57	0 57
	I	2.06	2.06	2.02	1 98
85	MBtuh	6 92	6.94	7 64	8 55
	kW	0.61	0.61	0 60	0 59
	I	2 17	2 16	2 12	2.08
90	MBtuh	6.74	6.73	7 40	8 29
	kW	0 64	0.64	0.63	0.62
	I	2.28	2.29	2.23	2 20
95	MBtuh	6 56	6.62	7 17	8 02
	kW	0.66	0 67	0 65	0 65
	I	2.39	2.41	2 34	2 32
100	MBtuh	6 33	6.32	6.88	7 77
	kW	0 69	0.70	0.68	0 67
	I	2.53	2.53	2.47	2 44
105	MBtuh	6 11	6.12	6 59	7 51
	kW	0.73	0.72	0.71	0 70
	I	2.66	2 65	2 61	2 56
110	MBtuh	5 90	5 90	6 32	7 20
	kW	0 75	0 75	0 74	0 73
	I	2.79	2 78	2 74	2.70
115	MBtuh	5 66	5.67	6 03	6.86
	kW	0 79	0.78	0 77	0.77
	I	2 92	2 92	2.87	2 85

ALL 9000 NOMINAL BTUH MODELS

Evaporator entering air temp. — 80 F Evap. air — 300 CFM

TEMP (F) AIR ENT COND (40% RH)		EVAP. AIR — EWB (F)			
		57 00	62 00	67.00	72 00
80	MBtuh	8 81	9 00	9.69	10.00
	kW	0 81	0.80	0 79	0.77
	I	5.76	5 72	5.60	5.38
85	MBtuh	8.70	8 86	9 59	10 00
	kW	0.84	0.84	0 83	0 81
	I	6.09	6 12	5.96	5.78
90	MBtuh	8 54	8 70	9 47	9 99
	kW	0 88	0.88	0 87	0 85
	I	6.47	6.47	6 36	6.13
95	MBtuh	8 39	8 54	9 34	9 96
	kW	0 92	0 92	0 91	0 88
	I	6 84	6 83	6 76	6.48
100	MBtuh	8 19	8 30	9.16	9 86
	kW	0 96	0 96	0.95	0 93
	I	7 16	7.15	7 11	6.90
105	MBtuh	8 00	8.06	8.97	9 77
	kW	0 99	0 99	0 99	0.98
	I	7.48	7.47	7 47	7 32
110	MBtuh	7 80	7 82	8.75	9 59
	kW	1 03	1 03	1.03	1 02
	I	7 79	7.79	7 79	7 71
115	MBtuh	7 60	7 59	8.52	9.39
	kW	1 07	1.07	1.07	1 07
	I	8.09	8 11	8.09	8 07

COOLING PERFORMANCE — PA5S AND PH5S 12,000 AND 14,000 BTU MODELS
(230 AND 265 V)

ALL 12,000 NOMINAL BTUH MODELS

Evaporator entering air temp. — 80 F Evap. air — 370 CFM

TEMP. (F) AIR ENT COND (40% RH)		EVAP AIR — EWB (F)			
		57.00	62 00	67.00	72 00
80	MBtuh	11 10	11.70	13.40	15 30
	kW	1 15	1 15	1 16	1.16
	I	7.63	7 63	7 70	7 66
85	MBtuh	10 70	11 30	12 90	14 80
	kW	1.20	1 20	1 21	1 21
	I	8.04	8 04	8 13	8.11
90	MBtuh	10.30	10.70	12 40	14 30
	kW	1 25	1.25	1 26	1 26
	I	8.50	8.48	8 57	8.54
95	MBtuh	9 92	10.20	11 80	13 80
	kW	1 31	1 30	1 31	1.31
	I	8 96	8.93	9 00	8.96
100	MBtuh	9 51	9 66	11.30	13 20
	kW	1 36	1 35	1 36	1 36
	I	9 38	9.35	9 39	9.43
105	MBtuh	9 11	9 13	10 70	12.50
	kW	1 41	1 41	1 41	1 42
	I	9 79	9 78	9.78	9.89
110	MBtuh	8 71	8.71	10 10	11.90
	kW	1 46	1.46	1 46	1 48
	I	10 20	10.20	10.10	10.30
115	MBtuh	8 32	8 24	9 46	11 20
	kW	1 51	1.52	1 51	1.53
	I	10 50	10.60	10 60	10 70

ALL 14,000 NOMINAL BTUH MODELS

Evaporator entering air temp. — 80 F Evap. air — 320 CFM

TEMP. (F) AIR ENT COND (40% RH)		EVAP AIR — EWB (F)			
		57.00	62 00	67.00	72 00
80	MBtuh	11.90	13.10	14 10	14 90
	kW	1 41	1 38	1 34	1 31
	I	7.89	7 71	7 49	7 28
85	MBtuh	11 70	12.90	13 90	14.90
	kW	1 48	1 45	1 41	1.37
	I	8 28	8 11	7.87	7.67
90	MBtuh	11.40	12.60	13 70	14 70
	kW	1.53	1.52	1 48	1 44
	I	8 64	8 55	8 28	8 06
95	MBtuh	11 20	12 40	13 50	14 50
	kW	1 59	1 59	1.55	1 50
	I	9.00	8.99	8.70	8.44
100	MBtuh	10 90	12 00	13 20	14 20
	kW	1 65	1 66	1 62	1.57
	I	9 40	9.42	9.19	8 88
105	MBtuh	10 70	11 70	13 00	13 90
	kW	1 72	1 72	1.70	1 64
	I	9.79	9 85	9.67	9 32
110	MBtuh	10 40	11 30	12 70	14 00
	kW	1.78	1 79	1 78	1 73
	I	10 20	10.30	10 20	9 89
115	MBtuh	10 10	11 00	12 50	14 10
	kW	1 85	1 85	1.86	1 82
	I	10 70	10 70	10.80	10.50

LEGEND

EWB — Entering Wet Bulb
I — Compressor Current Amps
kW — Total Power
MBtuh — Total Cooling Capacity
RH — Relative Humidity

PRODUCT DATA (cont)

EXPANDED RATINGS DATA (cont)

HEAT PUMP HEATING PERFORMANCE*

OUTDOOR TEMP (F)	MODEL PH5S (230V)					
	7000 Nominal Btuh			9000 Nominal Btuh		
	Btuh	Amps	Watts	Btuh	Amps	Watts
70	9,290	2.4	657	11,300	4.8	1,040
65	8,510	2.3	648	10,700	4.6	1,000
60	7,960	2.2	632	9,860	4.4	950
55	7,280	2.2	622	9,130	4.2	905
50	6,790	2.2	607	8,320	4.0	860
47 (RATING POINT)	6,100	2.1	597	7,900	3.9	840
45	6,050	2.1	590	7,680	3.8	825
40	5,550	2.1	583	6,990	3.6	785
35	4,930	2.0	577	6,430	3.5	755

*Heat pump performance is based on 70 F indoor temperature.

HEAT PUMP HEATING PERFORMANCE (cont)

OUTDOOR TEMP (F)	MODEL PH5S (230V)					
	12,000 Nominal Btuh			14,000 Nominal Btuh		
	Btuh	Amps	Watts	Btuh	Amps	Watts
70	15,400	7.2	1,630	13,957	6.2	1,357
65	14,500	6.9	1,530	13,521	6.2	1,359
60	13,300	6.4	1,430	13,155	6.2	1,350
55	12,500	6.1	1,350	12,575	6.1	1,340
50	11,400	5.7	1,270	12,000	6.1	1,316
47 (RATING POINT)	10,700	5.5	1,240	11,000	6.0	1,310
45	10,600	5.4	1,210	10,900	5.9	1,290
40	9,620	5.1	1,140	10,820	5.8	1,263
35	8,880	4.8	1,090	10,111	5.7	1,239

*Heat pump performance is based on 70 F indoor temperature.

COOLING SENSIBLE HEAT FACTORS (SHF) AT 80 F INDOOR DB

MODEL PA5S, PH5S (230 v)	INDOOR WB (F)	OUTDOOR AMBIENT DB TEMPERATURE (F)							
		80	85	90	95	100	105	110	115
7,000 Nominal Btuh Models	57	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	62	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	67	0.77	0.78	0.79	0.80	0.82	0.83	0.86	0.88
	72	0.54	0.54	0.55	0.56	0.56	0.57	0.58	0.59
9,000 Nominal Btuh Models	57	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	62	0.92	0.94	0.95	0.96	0.97	0.99	1.00	1.00
	67	0.69	0.70	0.71	0.72	0.73	0.74	0.76	0.77
	72	0.51	0.51	0.51	0.52	0.52	0.53	0.53	0.54
12,000 Nominal Btuh Models	57	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	62	0.91	0.91	0.94	0.96	0.98	1.00	1.00	1.00
	67	0.68	0.69	0.70	0.72	0.73	0.75	0.77	0.79
	72	0.50	0.50	0.50	0.51	0.51	0.52	0.53	0.54
14,000 Nominal Btuh Models	57	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	62	0.79	0.80	0.80	0.86	0.83	0.84	0.85	0.86
	67	0.63	0.63	0.63	0.67	0.64	0.64	0.65	0.66
	72	0.48	0.48	0.48	0.49	0.49	0.49	0.49	0.49

DB — Dry Bulb
WB — Wet Bulb

PRODUCT DATA (cont)

INDOOR SOUND DATA

The table below indicates the approximate indoor sound level of a PA5S or PH5S unit. Tests were conducted in the manufacturer's Sound Testing Laboratory according to ARI (Air Conditioning and Refrigeration Institute) Noise Rating Standard 300 for non-ducted indoor air-conditioning equipment.

INDOOR SOUND ESTIMATING TABLE — ARI 300 NR (BELS)

OPERATING MODE	VOLTS	NOMINAL SIZES (Btuh)							
		PH5S				PA5S			
		7,000	9,000	12,000	14,000	7,000	9,000	12,000	14,000
FAN	230	5.2	5.2	6.2	6.4	5.1	5.8	6.2	6.4
	208	4.9	4.9	6.1	6.3	4.8	5.8	6.1	6.3
	265	4.7	5.7	5.8	6.0	4.7	5.8	5.6	5.9
LO COOL	230	5.6	5.6	5.9	6.1	5.5	5.9	5.9	6.1
	208	5.3	5.5	5.8	6.0	5.2	5.7	5.8	6.0
	265	5.3	6.0	5.8	5.7	5.4	5.8	5.9	5.5
HI COOL	230	6.1	6.1	6.4	6.8	6.0	6.2	6.6	6.6
	208	6.0	6.0	6.3	6.7	5.9	6.1	6.5	6.5
	265	5.6	6.3	6.4	6.2	5.7	6.2	6.4	6.2
LO HEAT	230	5.6	5.9	6.2	6.5	5.1	5.8	6.2	6.4
	208	5.3	5.6	6.1	6.4	4.8	5.5	6.1	6.3
	265	5.2	6.0	5.7	6.0	4.7	5.8	5.6	5.9
HI HEAT	230	6.1	6.1	6.4	6.6	5.5	6.1	6.3	6.1
	208	6.0	6.0	6.3	6.5	5.3	6.0	6.3	6.0
	265	5.6	6.3	6.3	6.1	5.5	6.1	6.3	6.1

ARI 300 NR — ARI Standard 300 Noise Rating in bels

OUTDOOR SOUND ESTIMATING TABLE — ARI 300 NR (BELS)

OPERATING MODE	VOLTS	NOMINAL SIZES (Btuh)							
		PH5S				PA5S			
		7,000	9,000	12,000	14,000	7,000	9,000	12,000	14,000
FAN	230	6.0	6.0	6.6	7.2	6.0	6.7	6.6	7.2
	208	5.8	5.8	6.4	7.1	5.8	6.5	6.4	7.1
	265	5.5	6.9	6.1	6.7	5.4	6.6	6.3	6.6
LO COOL	230	6.5	6.7	7.1	7.8	6.5	6.8	7.1	8.0
	208	6.3	6.5	7.0	7.7	6.3	6.6	7.0	7.9
	265	6.2	7.0	6.3	6.7	6.3	6.6	6.3	6.7
HI COOL	230	6.7	6.9	7.5	8.0	6.8	7.1	7.3	8.0
	208	6.7	6.9	7.2	7.9	6.7	7.0	7.1	7.9
	265	6.4	7.5	6.9	7.0	6.4	6.9	6.9	6.9
LO HEAT	230	6.5	6.8	7.2	7.9	—	—	—	—
	208	6.4	6.7	6.9	7.8	—	—	—	—
	265	6.2	7.1	6.2	7.0	—	—	—	—
HI HEAT	230	6.8	6.9	7.4	8.1	—	—	—	—
	208	6.7	6.8	7.2	8.0	—	—	—	—
	265	6.5	7.5	6.9	7.1	—	—	—	—

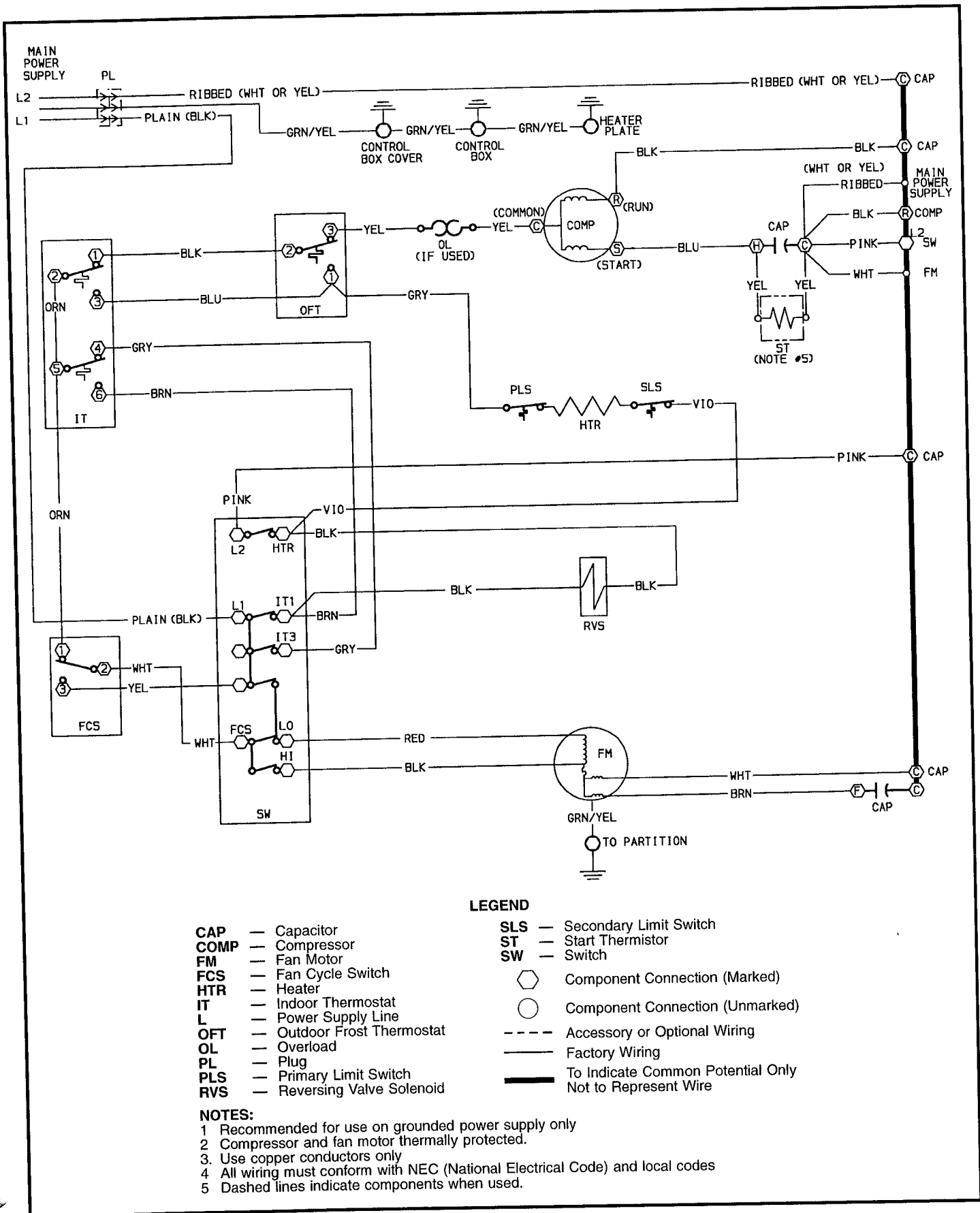
LEGEND

ARI 300 NR — ARI Standard 300 Noise Rating in bels

NOTE: STC (Sound Transmission Coefficient) for PA5S and PH5S

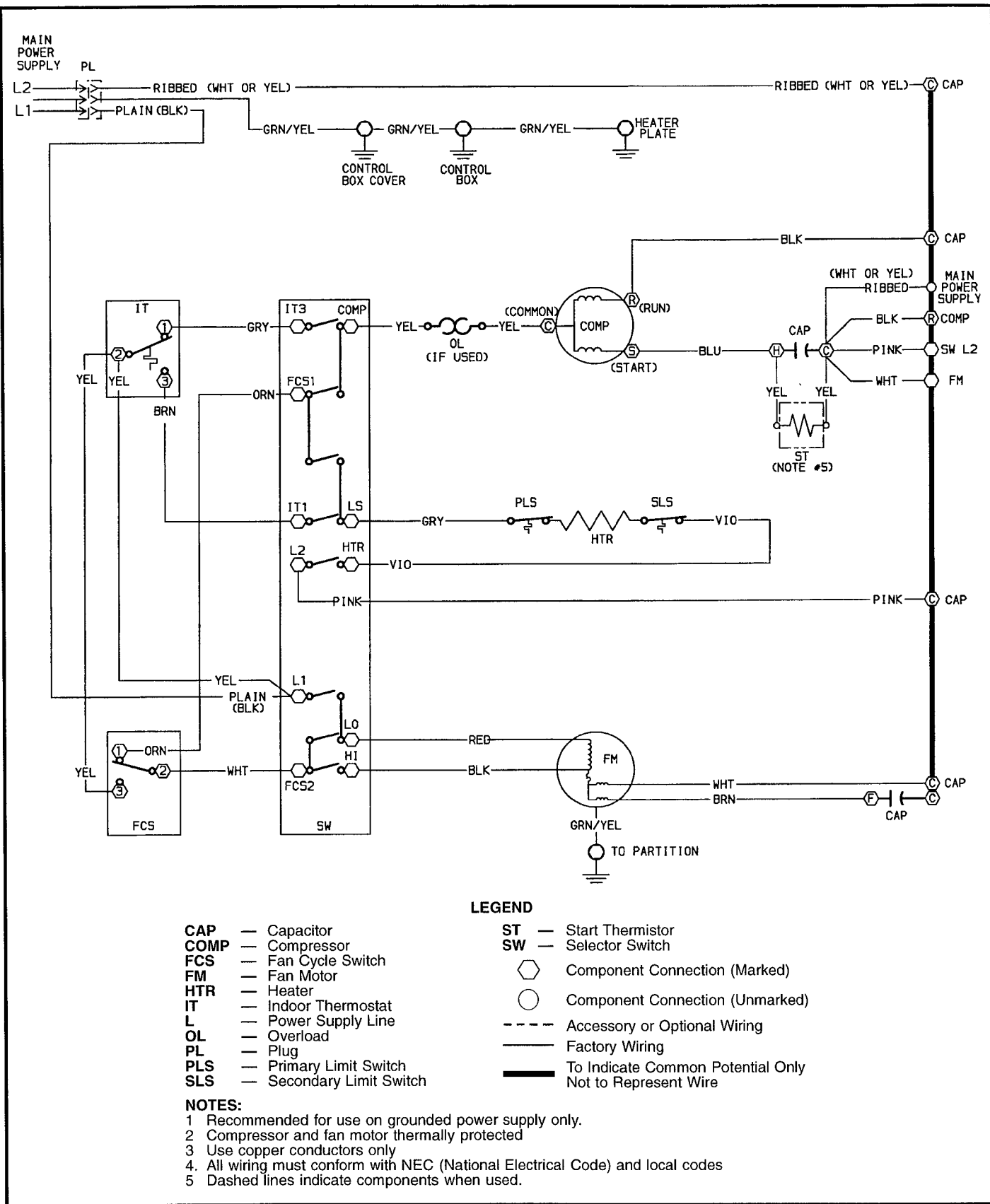
Standard Outdoor Grille — 28
Architectural Grille — 27

TYPICAL FIELD WIRING



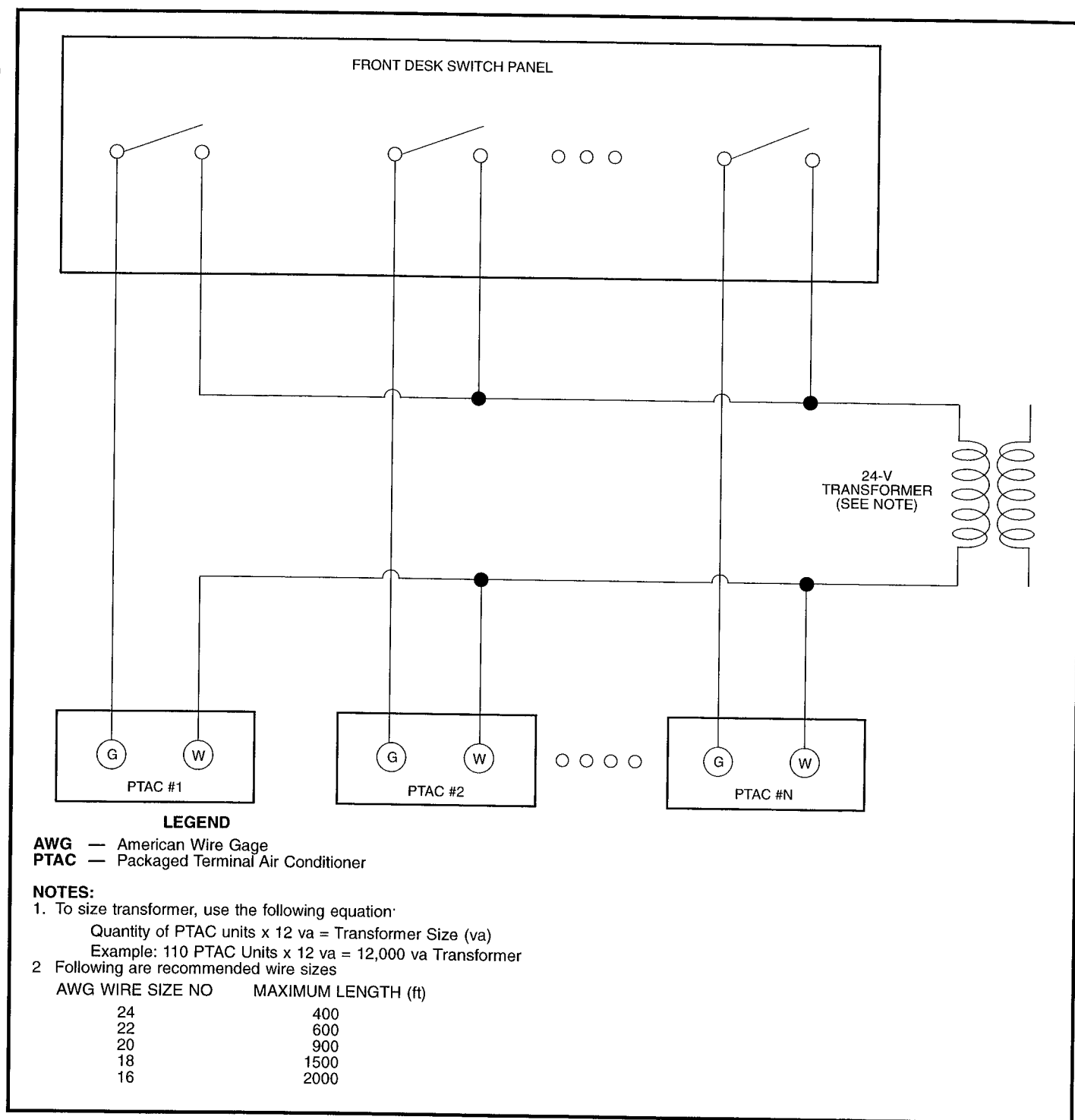
PH5S — Typical Wiring Schematic For Standard Units

TYPICAL FIELD WIRING (cont)



PA5S — Typical Wiring Schematic For Standard Units

TYPICAL FIELD WIRING (cont)



Typical Wiring Schematic for Energy Management Kit

GUIDE SPECIFICATIONS

PACKAGED TERMINAL COOLING UNIT WITH HEAT PUMP OR ELECTRIC HEATING

HVAC GUIDE SPECIFICATIONS

SIZE RANGE: COOLING: 7,000 TO 13,200 BTUH

HEATING: 7,800 TO 16,900 BTUH ELECTRIC
6,000 TO 11,000 BTUH HEAT PUMP

PAYNE MODEL NUMBER: PH5SNA, PH5SDA — HEAT PUMP
PA5SNA, PA5SDA — COOLING
WITH ELECTRIC HEAT

PART 1 — GENERAL

1.01 SYSTEM DESCRIPTION

Single piece, thru-the-wall electrically controlled unit using hermetic rotary compressor for cooling and heat pump or electric resistance heat, as shown on the contract drawings.

1.02 QUALITY ASSURANCE

Unit shall be rated in accordance with ARI standard 310/380-93 and certified by UL and UL, Canada.

1.03 DELIVERY, STORAGE, AND HANDLING

Unit shall be stored and handled per manufacturer's recommendations.

PART 2 — PRODUCTS

2.01 EQUIPMENT

A. General:

Factory-assembled, single-piece heating and/or cooling unit. Contained within the unit enclosure shall be compressor, coils, fans and fan motor, heating means, controls, all wiring and piping, and a full refrigerant charge.

B. Front Panel (supplied with unit) and Wall Sleeve:

Wall Sleeve and front panel shall be of plastic material. Front panel will have louvers on front surface.

C. Fans and Motor:

1. Evaporator (indoor) fan shall be a single-inlet squirrel cage blower with a corrosion-resistant finish, discharging air upwards. Fan shall be dynamically balanced.
2. Condenser (outdoor) fan shall be a propeller type with corrosion-resistant finish, discharging air out the rear of the unit, and shall be dynamically balanced.
3. Motor shall be totally enclosed, permanently lubricated, and multiple-speed.

D. Compressor:

The compressor shall be fully hermetic with internal and external vibration isolation.

E. Coils:

The coils shall have aluminum plate fins mechanically bonded to seamless copper tubes internally enhanced (grooved) with all joints brazed.

F. Refrigerant Components:

All piping, compressor, and expansion devices shall be included.

G. Controls and Safeties:

1. Controls shall consist of pushbutton OFF/FAN/HEAT/COOL adjustable thermostat with upper and lower limits. VENT OPEN/CLOSE, and FAN CYCLE switches. Additional controls for heat pumps include outdoor coil defrost thermostat.
2. Safeties shall consist of automatic reset overtemperature and overcurrent protection for *compressor*, inherent, automatic reset overtemperature protection for *fan motor*, two overtemperature protectors for *heater*.

H. Operating Characteristics:

Unit shall be capable of starting and running at 115 F ambient outdoor temperature per maximum load criteria of ARI Standard 310. Compressor with standard controls shall be capable of operation down to 25 F ambient outdoor temperature for heat pump and 55 F ambient outdoor temperature for cooling.

I. Electrical Requirements:

230/208-Volt: Shall be prewired with one plug to use with appropriate wall receptacle as specified on unit nameplate.

265-Volt: Shall be hard-wired or cord-connected through subbase.

J. Filter:

1. One-piece washable type that filters supply air.
2. One-piece washable type in vent door that filters outdoor air.

K. Special Features:

Certain standard features are not applicable when the features designated are specified. Contact your local Payne Sales Office for amending specifications.

1. Factory-installed electric heater for use with heat pump or heat/cool units
2. RC — Remote-control permits unit control from remote thermostat
3. CP — Corrosion protection provides for extra paint on control box, partition top cover and exterior coil
4. Standard grille (aluminum)
5. Architectural grille (plastic or aluminum)
6. Hard-wire kit
7. Drain kit
8. Subbase
9. Wall sleeve
10. Lateral duct kit
11. Energy management accessory kit
12. Cord-connection kit (265 V)
13. Security Door

LITERATURE LIST

	FORM NO.	CATALOG NO.
Warranty Certificate	—	53PA-5SI
Installation, Operating, and Maintenance Instructions	II PA5S-07-1	535-231
Lateral Duct Kit P/N LAT-DUCT-PLENUM P/N EXTENSION-DUCT	IIK PA5S-07-11	535-221
265-V Cord-Connection Kit P/Ns PLUG-265V-15 AMP PLUG-265V-20 AMP PLUG-265V-30 AMP	IIK PA5S-07-7	535-217
Drain Kit, P/N DRAIN-KIT-4PK	IIK PA5S-07-1	535-211
Energy Management (EM) Kit, P/N EM-KIT	IIK PA5S-07-13	535-229
Hard-Wire Kit, 230V, P/N H/W-KIT-230V	IIK PA5S-07-3	535-213
Hard-Wire Kit, 265V, P/N H/W-KIT-265V	IIK PA5S-07-4	535-214
Locking Control Door, P/N SECURITY-DOOR	IIK PA5S-07-12	535-228
Stamped Aluminum Outdoor Grille, P/N GRILLE-ALU-STAMP	IIK PA5S-07-6	535-216
Plastic Architectural Grille, P/Ns GRILLE-PLA-BEIGE, -BROWN	IIK PA5S-07-2	535-212
Aluminum Architectural Grille, P/Ns GRILLE-ALU-BEIGE, -BROWN -BRONZ, -WHITE	IIK PA5S-07-5	535-215
Retrofit Kit (for Amana/Trane Sleeve), P/N AM-RETROFIT-KIT	IIK PA5S-07-10	535-220
Retrofit Kit (for GE Sleeve), P/N GE-RETROFIT-KIT	IIK PA5S-07-8	535-218
Sleeve Insulation Kit, P/N INSULATION-KIT	IIK PA5S-07-14	535-230
Subbase, P/N SUB-BASE	IIK PA5S-07-9	535-219
Wall Sleeve, P/N PAYNE-SLEEVE-1PK	IIK PA5S-07-16	535-208
Wiring Diagram	WD PA5S 07 1	53PA-5S2

PAYNE PA5S, PH5S Packaged Terminal Air Conditioner Warranty

FULL ONE-YEAR WARRANTY - During the first year after purchase, Manufacturer will, through its authorized independent servicing dealers or service stations*, and free of charge to the users or subsequent users, repair or replace any parts which are defective in material or workmanship. The replacement part can be a new or remanufactured part as provided at Manufacturer's sole option.

LIMITATION OF WARRANTIES - ALL IMPLIED WARRANTIES (INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY) ARE HEREBY LIMITED IN DURATION TO THE PERIOD FOR WHICH EACH LIMITED WARRANTY IS GIVEN AND APPLIES. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THAT THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THE EXPRESSED WARRANTIES MADE IN THIS WARRANTY ARE EXCLUSIVE AND MAY NOT BE ALTERED, ENLARGED, OR CHANGED BY ANY DISTRIBUTOR, DEALER, OR OTHER PERSON WHATSOEVER.

ALL WORK UNDER THE TERMS OF THIS WARRANTY SHALL BE PERFORMED DURING NORMAL WORKING HOURS. ALL REPLACEMENT PARTS, WHETHER NEW OR REMANUFACTURED, ASSUME AS THEIR WARRANTY PERIOD ONLY THE REMAINING PERIOD OF THIS WARRANTY.

MANUFACTURER WILL NOT BE RESPONSIBLE FOR:

1. Damage due to failure to perform maintenance as outlined in the owner's manual.
2. Instructions on method of control and use of air conditioning unit after initial installation.
3. Damage or repairs needed as consequence of faulty installation or application. This is the responsibility of the installer.

* Authorized independent dealers or service stations are registered with the Manufacturer through its distributor organization.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Cat. No 53PA-5SI (New 2/99)

4. Failure to start due to voltage conditions, blown fuses, open circuit breakers or any other damage due to the inadequacy or interruption of electrical services.
5. Damage or repairs needed as consequence of any misapplication, abuse unauthorized alteration, improper servicing or operation.
6. Damage as a result of floods, winds, fires, lightning, accidents, or other conditions beyond the control of the manufacturer.
7. Damage as a result of corrosive environment (corrosive environment defined as installation or operation of the product within one mile of a seawater body). EXCEPTION TO CORROSIVE ENVIRONMENT IN ABOVE PARAGRAPH - Packaged terminal units built with corrosion protection are exempt from the exclusion, "Corrosive Environment." The model number is identified on the nameplate with a CP suffix.
8. Reimbursement for replacement parts or or repair services which are not supplied or designated by manufacturer and which are specifically covered under this warranty.
9. Products installed outside the continental U.S.A., Alaska, Hawaii and Canada.
10. Shipping damage or damage as a result of transporting the unit. This is the responsibility of the selling dealer or servicing dealer.
11. ANY SPECIAL, INDIRECT OR CONSEQUENTIAL PROPERTY OR COMMERCIAL DAMAGE OF ANY NATURE WHATSOEVER. Some states do not allow the exclusion or limitation of incidental or consequential damages, so that above limitation or exclusion may not apply to you.

NOTE: Service and Maintenance items excluded in this warranty may be covered by a separate service agreement through the seller at the time of purchase.

PAYNE

IF YOUR AIR CONDITIONER DOES NOT WORK, FOLLOW THESE STEPS IN ORDER:

1. CHECK THE THINGS YOU CAN DO YOURSELF:
These include being sure that air conditioner is plugged firmly into an appropriate receptacle, checking the fuse or circuit breaker and ensuring its replacement or resetting, if necessary, and reading the instruction book to ensure that all controls are set properly. By doing this you can save money. Many unnecessary service calls result in the serviceman doing what the owner can do for him or herself.
3. CONTACT THE LOCAL DISTRIBUTOR SERVICING YOUR AREA. Your dealer can help you locate the distributor or you can consult your yellow pages.
4. CONTACT MANUFACTURER IF A SATISFACTORY SOLUTION IS NOT REACHED IN STEP 2 AND 3.

Payne Air Conditioning
Consumer Relations Department
P.O. Box 4808
Syracuse, New York 13221
Telephone: 1-800 227-7437
From Canada 1-315-432-7885

2. CONTACT YOUR DEALER OR THE AUTHORIZED SERVICE CENTER THE DEALER RECOMMENDS.
They have been set up to handle the great majority of all possible service problems. The quickest, surest and best way to get your air conditioner back in service is to use this step before proceeding further.

