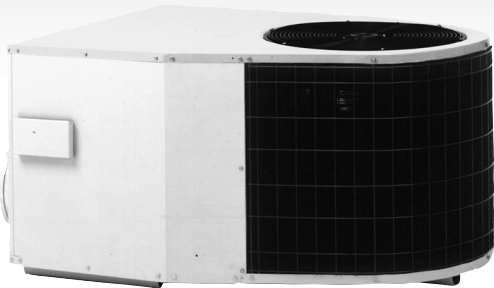


PA55 10 SEER Three Phase



3, 4, and 5 TON SINGLE PACKAGE

FEATURES

CONSTRUCTED FOR DURABILITY

- All panels made from galvanized steel pre-coated inside and out – using a polyester top coat, on a urethane primer, over an oxide pre-treatment
- All coils made from copper tube and aluminum fins
- Painted base with embossed support rails
- Embossed water dam in base – prevents water migration to indoor section from condenser area
- Protective coil guard – standard

HIGH STATIC CAPABILITY

- Designed for standard or high static applications

EASY MAINTENANCE

- Slide out blower assembly for easy maintenance
- External gauge ports
- All electrical controls behind one access panel
- One panel allows access to clean evaporator and service all refrigeration components

QUALITY PERFORMANCE & RELIABILITY

- Pre-painted condenser coil – provides greater corrosion resistance
- Plastic drain pan – minimizes residual condensate for improved humidity control and air quality

DESIGNED FOR EASY INSTALLATION

- Round duct flanges with retainer bead for easy flex duct connection
- Low 26-1/2" height (max. 17" duct height) allows installation in tight spaces
- Multi-speed blower motor – adjustable to varying application requirements

DEPENDABLE WARRANTY

- 1 year on all parts / 5 year compressor

ACCESSORIES

- Slip in electric heaters available with or without breakers
- Flexible duct & duct adder kits to adapt to most applications

RESIDENTIAL AND COMMERCIAL SYSTEMS • SPLIT SYSTEMS • PACKAGED AIR CONDITIONERS
• COMBINATION GAS / ELECTRIC UNITS • HEAT PUMPS • AIR HANDLERS • MANUFACTURED
HOME AIR CONDITIONERS • GAS, OIL AND ELECTRIC FURNACES

International Comfort Products
650 Heil-Quaker Avenue, Lewisburg, TN 37091

UNIT SPECIFICATIONS

MODEL COOLING TONNAGE		PA5536AHA	PA5548AHA	PA5560AHA	
Electrical Data:	208/230 Volt Data (Phase-Hz)	3-60	3-60	3-60	
	Max. Fuse or NEC HACR Type Circuit Breaker	25	40	50	
	Minimum Circuit Ampacity	18.2	27.8	34.8	
Condenser Data:	Coil	Total Face Area (Sq. Ft.)	10.3	10.3	10.3
		Fins Per In. - Rows	16-1 ¹ / ₂	18-1 ¹ / ₂	18-2
		Tube Dia. (In.)	³ / ₈	³ / ₈	³ / ₈
	Fan	H.P. / Type	¹ / ₃ / PSC	¹ / ₃ / PSC	¹ / ₃ / PSC
		Motor:	Full Load Amps.	1.8	1.7
	Fan:	208/230 Volt Data (Phase-Hz)	1 - 60	1 - 60	1 - 60
		Size (Dia./Blades/Pitch) (In.)	20 / 4 / 25	20 / 4 / 25	20 / 4 / 25
RPM (Max.)		1120	1140	1140	
Evaporator Data	Coil	Total Face Area (Sq. Ft.)	4	4	4
		Fins Per In. - Rows	14-3	14-4	14-4
		Tube Dia. (In.)	³ / ₈	³ / ₈	³ / ₈
	Blower	H.P / Type / Speeds	¹ / ₂ / PSC / 4	1 / PSC / 3	1 / PSC / 2
		Motor:	Full Load Amps	3.6	6.3
	Blower	208/230 Volt Data (Phase-Hz)	1 - 60	1 - 60	1 - 60
		Type / Size	DD10 / 8	DD10 / 8	DD11 / 8
		CFM (Rated)	1200	1650	1900
	RPM (Max.)	1075	1075	1075	
Compressor Data:	Running Load Amps.	10.3	14.3	19.3	
	Locked Rotor Amps.	75	91	137	
Factory Refrigerant Charge (Type R-22)		84 oz.	81 oz.	106 oz.	
Weights		Shipping (lbs)	280	280	295

UNIT PERFORMANCE DATA

Model No.	Capacity ¹ BTUH	Sensible / Total Ratio	S.E.E.R.	E.E.R.	Power Input Watts	Evaporator Rated Air Flow CFM
PA5536AHA	34,200	.78	10.00	8.96	3817	1200
PA5548AHA	45,000	.80	10.00	8.79	5120	1600
PA5560AHA	55,800	.77	10.00	8.3	6723	1900

¹ Capacity Ratings based on ARI Test Standards. 95° F Amb. 80° DB / 67° FWB

BLOWER PERFORMANCE DATA

MODEL NUMBER	PA5536AHA				PA5548AHA			PA5560AHA		
	Lo	Med Lo	Med Hi	Hi	Lo	Med	Hi	Lo	Hi	
AIR DELIVERY IN										
CFM	.25	1208	1373	1471	1589	1707	1827	1904	1919	2214
VARYING EXT.	.35	1190	1337	1427	1540	1651	1759	1822	1878	2139
STATIC	.45	1176	1292	1379	1467	1577	1670	1736	1837	2050
PRESSURE (IN. W.C.)	.55	1137	1260	1329	1411	1497	1572	1635	1789	1948
	.65	1085	1186	1256	1319	1417	1478	1530	1737	1866
	.75	1019	1109	1181	1235	1322	1377	1411	1692	1808

Air delivery against shown external static pressures taken with 230V. to unit, dry coil and equipped with approved heater. For wet coils add .05" W.C to Ext. Static Press. measurement.
NOTE: For 208 Volt applications, reduce airflow by 15%.

FORMULAS AND NOTES FOR USING EXPANDED PERFORMANCE DATA

To find leaving wet bulb and dry bulb from the expanded performance charts on the next two pages, use the following formulas. Direct interpolation is permissible. Do not extrapolate.

$$t_{db} = t_{edb} - \frac{\text{sensible capacity (Btuh)}}{1.10 \times \text{cfm}}$$

t_{wb} = Wet-bulb temperature corresponding to enthalpy of air leaving evaporator coil (h_{wb}).

$$h_{wb} = h_{ewb} - \frac{\text{sensible capacity (Btuh)}}{4.5 \times \text{cfm}}$$

Where: h_{ewb} = Enthalpy of air entering evaporator coil.

LEGEND

MBh = Total Capacity (Gross)	S/T = Sensible to Total Ratio
KW = Unit Operating Watts	IDB = Indoor Dry Bulb
t_{db} = Leaving Dry Bulb	t_{wb} = Leaving Wet Bulb
edb = Entering Dry Bulb	ewb = Entering Wet Bulb
h_{wb} = Enthalpy of leaving wet bulb	

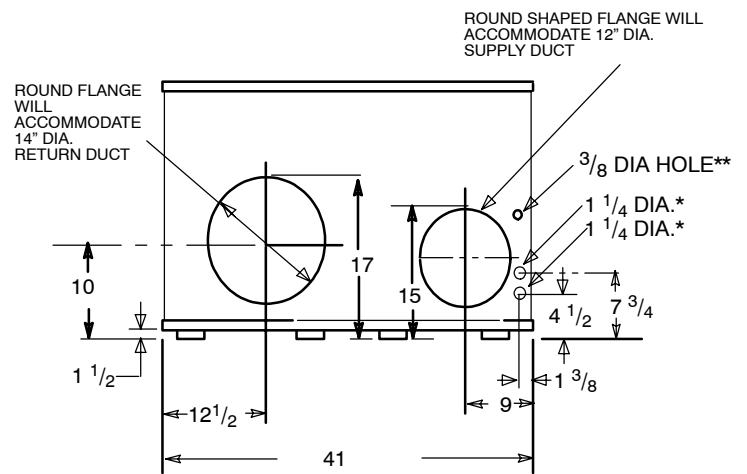
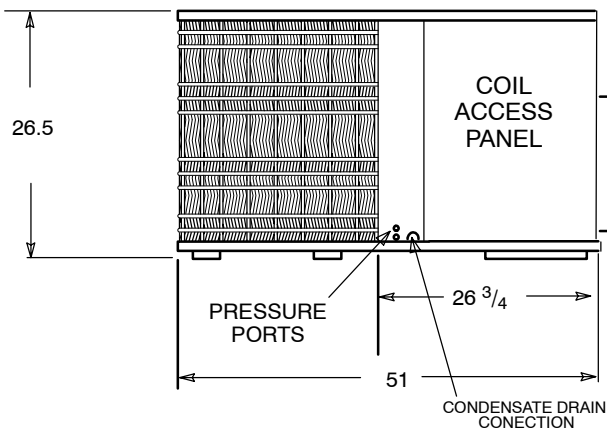
IDENTIFICATION GUIDE

MODEL NUMBER	P	A	5	5	24	A	H	
PRODUCT FAMILY	P - PACKAGE							208 / 230 - 3 - 60
PRODUCT TYPE	A - A/C H - HEAT PUMP							FEATURES
GROUP	5 - Standard Efficiency - 10 SEER 9 - High Efficiency - 12 SEER							CAPACITY MBTUH
								SERIES

UNIT DIMENSIONS

NOTE: DUCT COLLARS ATTACHED TO SUPPLY AND RETURN MUST BE REVERSED AT INSTALLATION.

ALL DIMENSIONS IN INCHES



*ELECTRICAL ACCESS FOR LINE VOLTAGE POWER SUPPLY-ONE FOR UNIT, ONE FOR HEATER
 ** FOR LOW VOLTAGE WIRING

NOTES