

**High  
Efficiency**

**12+**

**HEIL**<sup>®</sup>  
HEATING & COOLING PRODUCTS

## 12+ SEER Heat Pump



Representative photo only, some models may vary in appearance.

### 1 1/2 THRU 5 TONS SPLIT SYSTEM

#### REFRIGERATION CIRCUIT

- High efficiency scroll compressors on all models
- Suction line accumulator on all models
- Integrated solid state time / temperature defrost and Compressor anticycle timer
- Soft defrost change over
- Low pressure cut out switch
- Large biflow filter driers

#### BUILT TO LAST

- G-90 Galvanized steel cabinet with integral base rails
- Triple step painting process
- Copper tube / aluminum fin coil
- Precoated condenser fins
- Coated inlet and discharge grilles ruggedly built for enhanced coil protection
- Top discharge design for quieter operation
- 5 Year parts, 10 year compressor limited warranties

#### EASY TO INSTALL AND SERVICE

- Numerous service friendly features
- Service valves on all models with 3-1/2" stubs
- Fan motor in-line disconnect plug
- Easy side access sloped control panel
- Factory charged with R-22, condenser plus 25 Ft. lines
- External high and low refrigerant service ports



Rated in accordance with ARI Standard 240. Certification applies only when used with proper components as listed with ARI.



**International Comfort Products Corporation (USA)**  
651 Heil-Quaker Ave.  
Lewisburg, Tennessee 37091

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

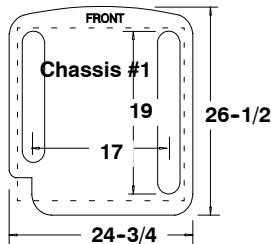
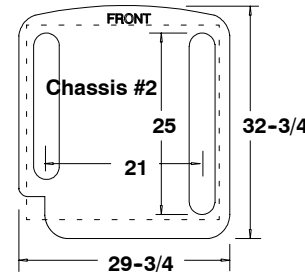
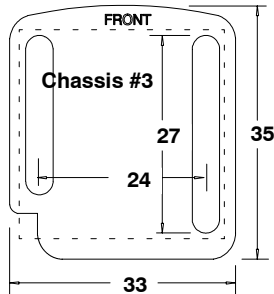
## Base Specifications

Model Number	HHP218AKA	HHP224AKA	HHP230AKA	HHP236AKA	HHP242AKA	HHP248AKA	HHP260AKA
Max. Cooling Capacity (Btuh)	18000	23200	29000	34600	40000	47000	59500
Max. Heating Capacity (Btuh)	17600	23800	28600	36000	42000	48000	60000
SEER Label	12	12	12	12	12	12	12
Sound Rating Decibels	71	73	75	75	75	77	77
Fan HP / Type / Speeds	1/8-PSC-1	1/6-PSC-1	1/6-PSC-1	1/3-PSC-1	1/4-PSC-1	1/4-PSC-1	1/4-PSC-1
Fan RPM / Max. CFM	1075 / 2100	1075 / 2200	1075 / 3200	1075 / 3200	1075 / 3200	1075 / 3900	1075 / 3900
Coil Face Area (Sq Ft)	14.21	16.58	16.58	16.58	18.67	25.33	25.33
Coil Rows / Fins Per Inch	1 / 18	1 / 18	1 / 18	2 / 18	2 / 18	2 / 18	2 / 18
Line Connection Suction I.D. Size (In.)	3/4	3/4	3/4	3/4	7/8	7/8	7/8
Line Connection Liquid I.D. Size (In.)	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Supplied Optional Evaporator Orifice Size	.051	.061	.067	.073	.082	.080	.099
Factory Charge - R22 (Oz)	104	114	121	161	184	275	290
Weight Lbs. (Ship)	147	190	194	197	228	271	297

## Electrical Specifications - 208 - 230 / 1 / 60, Voltage Range 197V - 253V

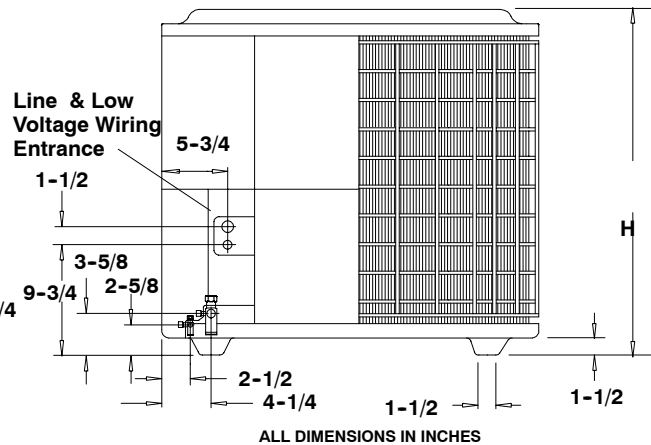
Minimum Circuit Ampacity	12.0	13.8	17.8	21.3	23.8	25.8	37.5
Wire Size/Max. Length (AWG Cu) Ft.	14 / 20	14 / 20	12 / 25	10 / 30	10 / 30	10 / 39	8 / 40
Time Delay Fuse (Amps)	15	20	25	30	30	35	45
Max. Fuse or HACR Breaker Size (Amps)	20	20	30	35	40	45	60
Compressor Full Run / Lock Rotor Amps	10.0 / 41.8	11.4 / 56	15.5 / 72.5	17.9 / 88	20.0 / 104	19.5 / 137	32.1 / 169
Fan Full Load / Lock Rotor Amps.	.75 / 1.6	1.0 / 1.86	1.0 / 1.86	1.3 / 3.56	1.4 / 3.24	1.4 / 3.24	1.4 / 3.24

Model	Dimensions		OPTIONAL*
	Chassis	Height (H)	Coil Guard
218	1	28-5/8	AMB128CGA
224	2	30-5/8	AMB230CGA
230	2	30-5/8	AMB230CGA
236	2	30-5/8	AMB230CGA
242	3	30-5/8	---
248	3	40-5/8	---
260	3	40-5/8	---



Minimum Mounting Pad Sizes with pad starting at 9" from structure for minimum clearances

Chassis #1 20" W X 20" D  
Chassis #2 24" W X 26" D  
Chassis #3 27" W X 28" D



\* Packages of 6 Only

Accessory	Description	Used On
AMF153TKB	Expansion Valve Kit	1 1/2 - 3 Ton
AMF355TKB	Expansion Valve Kit	3 1/2 - 5 Ton
AXWR01DFA	Fossil Fuel Kit	All Models
AMA001TDA	Indoor Blower Time Delay	All Models
AMB001CMA	Mesh Grille Guard (Pkg of 6) Trim to Fit	All Models
1053477 *	Compressor Crankcase Heater Solid State "Stick On" Type	All Models
1148113 *	Compressor Crankcase Heater "Wrap-around" Type (6.5 to 8.5 inch Dia Compressors)**	**All Models
1061482 *	Compressor Crankcase Heater "Wrap-around" Type (4.2 to 6.7 inch Dia Compressors)**	**All Models
1060833*	Compressor Sound Jacket (Small Scroll)	1 1/2 - 3 Ton
1060834 *	Compressor Sound Jacket (Large Scroll)	3 1/2 - 5 Ton

\* Order from Service Parts



## MODEL NUMBER IDENTIFICATION GUIDE

<b>MODEL NUMBER</b> * <b>PRODUCT FAMILY</b> N = Brand	<b>HP</b>	<b>2</b>	<b>24</b>	<b>A</b>	<b>K</b>	<b>A</b>	<b>SALES CODE</b>
							<b>ELECTRICAL</b> K = 208/230-1-60 H = 208/230-3-60
<b>PRODUCT TYPE</b> AC = Air Conditioning CA = Condenser A/C HP = Heat Pump CH = Condenser H/P							<b>CONNECTIONS</b> A = Sweat / Valve G = Sweat / Valve w/Coil Guard
<b>NOMINAL SEER RATING</b> 0 = 10 2 = 12 4 = 14							<b>NOMINAL CAPACITY MBTUH</b> 18 = 18,000 24 = 24,000 30 = 30,000 36 = 36,000 42 = 42,000 48 = 48,000 60 = 60,000

## EXTENDED REFRIGERANT LINE CORRECTION FACTORS

Varying Line Length in Feet ( m ) vs. Total Capacity Multiplier					
25 ( 8 )	50 ( 15 )	75 ( 23 )	100 ( 30 )	125 ( 38 )	150 ( 46 )
1.00	.99	.98	.96	.94	.92

### REFRIGERANT CHARGE DATA

All models are factory charged with R-22 for outdoor unit, 25' ( 8m ) of refrigerant line and matching indoor section.  
 Refrigerant charge correction per foot ( 305mm ) of line:  
 1/4" O.D. = .25 oz.; 5/16" O.D. = .45 oz.; 3/8" O.D. = .60 oz.;  
 1/2" O.D. = 1.2 oz.

## VOLTAGE CORRECTION FACTORS

Volts	Capacity	Watts
208	.98	.99

## INDOOR AIRFLOW CORRECTION TABLE

% Rated Air	90	95	100	105	110
Total Cap. Mult.	.98	.99	1.00	1.01	1.03
Sens Cap. Mult.	.95	.98	1.00	1.03	1.05

## INDOOR TEMPERATURE CORRECTION TABLE

(Based on 95°F Ambient)

Indoor D.B. °F (°C)	Correction Factor	Entering Indoor Wet Bulb °F (°C)						
		59 (15)	61 (16)	63 (17)	65 (18)	67 (19)	69 (20)	71 (21)
70 (21)	Total Cap. Mult.	<b>.90</b>	.93	.96	.99	1.02	-	-
	Sens Cap. Mult.	<b>.86</b>	.85	.82	.77	.70	-	-
75 (24)	Total Cap. Mult.	.89	.92	<b>.95</b>	.98	1.01	1.04	-
	Sens Cap. Mult.	1.04	1.03	<b>1.00</b>	.95	.88	.78	-
80 (26)	Total Cap. Mult.	.88	.91	.94	.97	<b>1.00</b>	1.03	1.06
	Sens Cap. Mult.	1.18	1.17	1.14	1.08	<b>1.00</b>	.89	.73
85 (29)	Total Cap. Mult.	-	.90	.93	.96	.99	1.02	<b>1.05</b>
	Sens Cap. Mult.	-	1.29	1.26	1.20	1.11	.98	<b>.81</b>

Bold Type = approximately 50% Relative Humidity