



Haier®

14 SEER Packaged AC & HP Units

COMFORT YOU CAN COUNT ON



14 SEER PACKAGED AC & HP UNITS

Comfort
you can count
on

High efficiency, high reliability compressors with an internal relief valve.
Heavy gauge galvanized steel construction.
Full perimeter base rails for easy installation.
High efficiency coils with louvered aluminum fins and rifled copper tubing.
Factory charged with R410A.
Horizontal or downflow convertible airflow.
Service ports accessible without removing access panels.
Louvered air inlet panels for condenser coil protection.
Electric heat kits up to 25kW available as field installed option.
10 year limited compressor warranty, 10 year limited parts warranty.



Model Designation

Brand
H - Haier

H

Product Type
P - Package

P

System Type
C - Cool only
H - Heat Pump

C

Nominal Capacity
24 - 24,000 BTU
36 - 36,000 BTU
48 - 48,000 BTU
60 - 60,000 BTU

24

SEER
D - 13
E - 14
F - 15

E

Design Series
1 - 1st Generation

1

Electrical
V - 230/208 - 1 - 60

V

Body Style

A

Reserved

E

Blower Performance Data

CFM vs. External Static Pressure - Inches (w.c.)

Model Number			Speed	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7
HPC24E1VAE	Motor (HP)	1/4	High	1470	1410	1350	1280	1205	1115	1015	905
HPH24E1VAE	Wheel Size	10" x 10"	Low	955	885	820	740	655	555	465	345
HPC36E1VAE	Motor (HP)	1/2	High	1705	1655	1605	1550	1490	1415	1320	1180
HPH36E1VAE	Wheel Size	10" x 10"	Low	1340	1285	1240	1190	1135	1060	895	775
HPC48E1VAE	Motor (HP)	3/4	High	2020	1955	1890	1820	1745	1655	1565	1460
HPH48E1VAE	Wheel Size	10" x 10"	Low	1655	1600	1545	1490	1425	1355	1265	1125
HPC60E1VAE	Motor (HP)	1	High	2275	2210	2135	2055	1975	1880	1780	1665
HPH60E1VAE	Wheel Size	10" x 10"	Low	2065	2005	1940	1875	1805	1725	1645	1540



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R410A Model Specifications - Cool Only

Model Number		HPC24E1VAE	HPC36E1VAE	HPC48E1VAE	HPC60E1VAE
Nominal capacity BTU / H		24,000	36,000	48,000	60,000
SEER		14	14	14	14
Power supply V - Hz - Ph		208/230 - 1 - 60	208/230 - 1 - 60	208~230 / 1 / 60	208~230 / 1 / 60
Voltage range		197-253	197-253	197-253	197-253
EER		11.5	12.0	12.0	11.5
Min.Wire ampacity		14.1	21.5	29.2	33.3
Max fuse or HACR breaker		20	30	45	50
Compressor Type		Scroll	Scroll	Scroll	Scroll
Rated Load Amps		15.0	18.6	24.3	29.4
Locked Rotor Amps		63.7	79	117	134
Max kW		10	15	20	25
Indoor Fan	Type - Motor / Fan	PSC / Blower		PSC / Blower	
	Rated Load Amps	1.7	2.4	3.4	3.7
	Rated HP	1/2	3/4	1	1 1/4
	Nominal RPM	540	700	850	970
	Fan Blade # blades - Dia	9-7	10-10	10-10	10-10
	Nominal CFM	800	1200	1500	1850
Outdoor Fan	Motor Type	PSC		PSC	
	Rated Load Amps	0.6	0.96	1.86	1.86
	Rated HP	1/12	1/6	1/3	1/3
	Nominal RPM	600	850	1075	1075
	Fan Blade # blades - Dia	4 - 23"	4 - 23"	4 - 23 5/8"	4 - 23 5/8"
	Nominal CFM	2250	3100	4200	4200
Indoor coil	Type	Enhanced Aluminum Fins and Rifled Copper Tubes			
	Area sq. ft.	5.15	5.15	6.34	6.34
	Dia. - Rows - Fin / in	5/16 - 2 - 16	5/16 - 3 - 16	5/16 - 4 - 16	5/16 - 4 - 16
Outdoor coil	Type	Enhanced Aluminum Fins and Rifled Copper Tubes			
	Area sq. ft.	14.5	14.5	17.4	17.4
	Dia. - Rows - Fin / in	7mm - 1 - 20	7mm - 2 - 20	7mm - 3 - 20	7mm - 3 - 20
Refrigerant charge R410A (oz)		70	106	134	158

Dimensions and Weights - Cool Only

Model Number		Dimensions			Weight	Supply Opening		Return Opening		Quantity 40' Cont
		W (in)	D (in)	H (in)		Side	Bottom	Side	Bottom	
HPC24E1VAE	Net	75 19/32	28 3/32	42	410	14 1/2 X 14 1/2	15 x 15	14 1/2 X 14 1/2	15 x 15	36
	Shipping	77	29 1/4	42 3/4	419					
HPC36E1VAE	Net	75 19/32	28 3/32	42	432	14 1/2 X 14 1/2	15 x 15	14 1/2 X 14 1/2	15 x 15	36
	Shipping	77	29 1/4	42 3/4	441					
HPC48E1VAE	Net	75 19/32	33 3/64	42	496	14 1/2 X 14 1/2	15 x 15	14 1/2 X 14 1/2	15 x 15	36
	Shipping	77	34 1/4	42 3/4	505					
HPC60E1VAE	Net	75 19/32	33 3/64	42	507	14 1/2 X 14 1/2	15 x 15	14 1/2 X 14 1/2	15 x 15	36
	Shipping	77	34 1/4	42 3/4	516					

Extended Ambient Data - Cool Only

Model Number	AHRI Certified Performance		Cooling Capacity with different outdoor temperature							
	Capacity	CFM	80	85	90	95	100	105	110	115
HPC24E1VAE	23600	768	25700	25200	24400	23600	22800	21500	19900	17600
HPC36E1VAE	35800	1186	39100	38200	36800	35800	34500	32700	31300	29500
HPC48E1VAE	48000	1513	52200	49900	48700	48000	47100	45800	44000	41800
HPC60E1VAE	59500	1918	64200	62100	61000	59500	57800	56300	54200	52000



Note: Due to Haier's ongoing commitment to quality, all specifications, ratings and dimensions are subject to change without prior notice. Warranties noted apply to residential applications only and are limited. Please see actual warranty for details.





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R410A Model Specifications - Heat Pumps

Model Number		HPH24E1VAE	HPH36E1VAE	HPH48E1VAE	HPH60E1VAE
Nominal capacity BTU / H		24,000	36,000	48,000	60,000
SEER		14	14	14	14
HSPF		8.0	8.0	8.0	8.0
Power supply V - Hz - Ph		208/230 - 1 - 60	208/230 - 1 - 60	208~230 / 1 / 60	208~230 / 1 / 60
Voltage range		197-253	197-253	197-253	197-253
EER		11.5	11.5	12.0	11.5
Min.Wire ampacity		20.70	26.7	35.8	42.5
Max fuse or HACR breaker		35	45	50	60
Compressor Type		Scroll	Scroll	Scroll	Scroll
Rated Load Amps		15.0	18.6	24.3	29.4
Locked Rotor Amps		63.7	79	117	134
Max kW		10	15	20	25
Indoor Fan	Type - Motor / Fan	PSC / Blower	PSC / Blower	PSC / Blower	PSC / Blower
	Rated Load Amps	1.7	2.4	3.4	3.7
	Rated HP	1/2	3/4	1	1 1/4
	Nominal RPM	1075	1075	1075	1075
	Fan Blade # blades - Dia	10-10	10-10	10-10	10-10
	Nominal CFM	800	1200	1500	1850
Outdoor Fan	Motor Type	PSC	PSC	PSC	PSC
	Rated Load Amps	0.6	0.96	1.86	1.86
	Rated HP	1/12	1/6	1/3	1/3
	Nominal RPM	1075	825	1075	1075
	Fan Blade # blades - Dia	2 3/4 - 23 5/8"	5 1/16 - 23 5/8"	5 1/16 - 23 5/8"	5 1/16 - 23 5/8"
	Nominal CFM	2272	3147	4244	4244
Indoor coil	Type	Enhanced Aluminum Fins and Rifled Copper Tubes			
	Area sq. ft.	5.15	5.15	6.34	6.34
	Dia. - Rows - Fin / in	5/16 - 2 - 16	5/16 - 3 - 16	5/16 - 4 - 16	5/16 - 4 - 16
Outdoor coil	Type	Enhanced Aluminum Fins and Rifled Copper Tubes			
	Area sq. ft.	14.5	14.5	17.4	17.4
	Dia. - Rows - Fin / in	7mm - 1 - 20	7mm - 2 - 20	7mm - 3 - 20	7mm - 3 - 20
Refrigerant charge R410A (oz)		74	117	149	166

Dimensions and Weights - Heat Pumps

Model Number		Dimensions			Weight	Supply Opening		Return Opening		Quantity 40' Cont
		W (in)	D (in)	H (in)		Side	Bottom	Side	Bottom	
HPH24E1VAE	Net	75 19/32	28 3/32	42	419	14 1/2 X 14 1/2	15 x 15	14 1/2 X 14 1/2	15 x 15	36
	Shipping	77	29 1/4	42 3/4	428					
HPH36E1VAE	Net	75 19/32	28 3/32	42	441	14 1/2 X 14 1/2	15 x 15	14 1/2 X 14 1/2	15 x 15	36
	Shipping	77	29 1/4	42 3/4	450					
HPH48E1VAE	Net	75 19/32	33 3/64	42	505	14 1/2 X 14 1/2	15 x 15	14 1/2 X 14 1/2	15 x 15	36
	Shipping	77	34 1/4	42 3/4	514					
HPH60E1VAE	Net	75 19/32	33 3/64	42	516	14 1/2 X 14 1/2	15 x 15	14 1/2 X 14 1/2	15 x 15	36
	Shipping	77	34 1/4	42 3/4	525					

Extended Ambient Data - Heat Pumps (Heating)

Model Number	AHRI Certified Performance		Heating Capacity with different outdoor temperature					
	Capacity	CFM	10	20	30	40	50	60
HPH24E1VAE	21600	768	8100	11100	13900	16100	22000	24500
HPH36E1VAE	36000	1186	17900	21700	26000	30500	35400	39400
HPH48E1VAE	48000	1513	24400	29500	34200	41700	48800	55200
HPH60E1VAE	60000	1918	24500	31700	41700	48400	61400	65300

Extended Ambient Data - Heat Pumps (Cooling)

Model Number	AHRI Certified Performance		Cooling Capacity with different outdoor temperature							
	Capacity	CFM	80	85	90	95	100	105	110	115
HPH24E1VAE	23400	768	25700	25200	24300	23400	22800	22000	21000	19600
HPH36E1VAE	36000	1186	39100	38200	37100	36000	35100	34000	32800	31500
HPH48E1VAE	48000	1513	51200	49900	48800	48000	47000	45800	46500	44800
HPH60E1VAE	60000	1918	63200	62100	60900	60000	58400	57000	55200	53000



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◀ About Haier ▶

Haier is the world's 4th largest white goods manufacturer, with 29 manufacturing facilities and 16 industrial parks on all continents. The company's sales network covers over 160 countries, with 58,800 sales outlets and 50,000 employees worldwide.

Haier America is headquartered in the Haier Building at 1356 Broadway in New York. Haier America is a leader for room air conditioners, compact refrigerators, and wine cellar sales; as well as a leading force in home appliances, HVAC, compact laundry, compact freezers and HDTV sales. Haier America is an Official Marketing Partner and the Official High Definition Television of the NBA. The Haier Central Air Conditioner Division (CAC) has been dedicated to producing highly efficient, environment-friendly Air Conditioning systems for decades. Currently, Haier CAC is one of the world's biggest HVAC production bases that provides cooling, heating and ventilation solutions for residential, commercial and industrial applications.



Haier America

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