

AHRI Certification Tutorial for Split or Packaged Heat Pumps

Step 1) Go to <http://www.ceedirectory.org>

Step 2) Click on “Find Split or Packaged Heat Pumps” to open the search screen

The screenshot shows a Mozilla Firefox browser window displaying the CEE HVAC Directory website. The browser's address bar shows the URL <http://www.ceedirectory.org/>. The website's main heading is "Directory of Energy Efficient HVAC Equipment". On the left side, there is a navigation menu with links: "Central Air-Conditioner and Heat Pump Efficiency 101", "Find a Rebate or Incentive Program", "Why Choose ENERGY STAR?", "How and Why of Certified", "How to Use the Directory", and "About CEE and AHRI". Below the menu are the AHRI and CEE (Consortium for Energy Efficiency) logos. The main content area features an ENERGY STAR logo and a list of search options: "Find Split or Packaged Air Conditioners", "Find Split or Packaged Heat Pumps", "Find Variable Speed Mini-Split and Multi-Split Air Conditioners", and "Find Variable Speed Mini-Split and Multi-Split Heat Pumps". A paragraph of text explains that the directory identifies products meeting energy performance tiers established by the Consortium for Energy Efficiency (CEE) as part of the Residential Air Conditioner and Heat Pump initiative. It also notes that only products listed by an ENERGY STAR partner are officially recognized as ENERGY STAR qualified. At the bottom, there are three boxes with links for "For Consumers", "For Specifiers/Contractors", and "For Efficiency Program Administrators". The browser's taskbar at the bottom shows the Windows start button, the active browser window, and the system clock displaying 10:49 AM.

This is the search screen

HP Search - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://www.ahridirectory.org/ceedirectory/pages/hp/cee/defaultSearch.aspx

HP Search

CEE

AHRI CERTIFIED

HP Search

Home

AHRI Certified Reference Number ?

CEE Tiers ? Residential ENERGY STAR

AHRI Type ? Please Select an AHRI Type

Outdoor Unit Manufacturer (Systems) ? Please Select a Manufacturer

Indoor Coil Manufacturer (Mix-match Or Coil) ? Please Select a Manufacturer

Furnace Model Number ?

SEER (Btuh/Watt) ? Min. Max.

High Temp Heating 47°F Capacity (Btuh) ? Min. Max.

Low Temp Heating 17°F Capacity (Btuh) ? Min. Max.

Manufacturer Type ? OEM and Third Party Coils

Equipment Type ? Residential

Model Status ? All

Outdoor Unit Model Number ?

Outdoor Unit Trade/Brand Name (Systems) ? Please Select an Outdoor Unit Trade/Brand I

Indoor Unit Model Number ?

Cooling Cap. (Btuh) ? Min. Max.

EER (Btuh/Watt) ? Min. Max.

HSPF (Btu/Watt.h) ? Min. Max.

Phase ? 1-Phase

Product Type ? Split and Packaged

CKFFVJ

To search, enter the code in the picture above

Search Reset

By clicking the Search Button, I agree to the [Terms and Conditions](#).

Done

start Document1 - Microsof... HP Search - Mozilla Fi... 10:51 AM

Step 3)

- Fill in the “Outdoor Unit Model Number” – this is the model number of your heat pump
- You may want to change the model status to “active”
- Enter the search code in the box provided
- Click Search

HP Search - Mozilla Firefox

http://www.ahridirectory.org/ceedirectory/pages/hp/cee/defaultSearch.aspx

HP Search

CEE

AHRI CERTIFIED

HP Search

Home

AHRI Certified Reference Number ?

CEE Tiers ?

AHRI Type ?

Outdoor Unit Manufacturer (Systems) ?

Indoor Coil Manufacturer (Mix-match Or Coil) ?

Furnace Model Number ?

SEER (Btuh/Watt) ?

High Temp Heating 47°F Capacity (Btuh) ?

Low Temp Heating 17°F Capacity (Btuh) ?

Manufacturer Type ?

Residential ENERGY STAR

Please Select an AHRI Type

Please Select a Manufacturer

Please Select a Manufacturer

Min. Max.

Min. Max.

Min. Max.

OEM and Third Party Coils

Equipment Type ?

Model Status ?

Outdoor Unit Model Number ?

Outdoor Unit Trade/Brand Name (Systems) ?

Indoor Unit Model Number ?

Cooling Cap. (Btuh) ?

EER (Btuh/Watt) ?

HSPF (Btu/Watt.h) ?

Phase ?

Product Type ?

Residential

Active

H4H424Gk

Please Select an Outdoor Unit Trade/Brand I

Min. Max.

Min. Max.

Min. Max.

1-Phase

Split and Packaged

CKFFVJ

To search, enter the code in the picture above CKFFVJ

Search Reset

By clicking the Search Button, I agree to the [Terms and Conditions](#).

Done

start Document1 - Microsof... HP Search - Mozilla Fi... 10:51 AM

Step 4) Find your heat pump and double click the row

HP Search - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://www.ahridirectory.org/ceedirectory/pages/hp/cee/defaultSearch.aspx

HP Search

CEE

HP Search

Home Modify Export

Double click on a row to view/print AHRI certificate.
 AHRI certificates are not available for Obsolete AC and HP equipment.
 Model Status of 'Active' means models are currently in production. 'Discontinued' means that the manufacturer has elected to stop producing, yet stock is still available. 'Obsolete' means that the manufacturer is no longer manufacturing due to a test failure in the AHRI Certification Programs.

AHRI Certified Ref #	Model Status	Manufacturer Type	Trade/Brand Name	Outdoor Unit		Indoor Unit		Furnace Model	Cooling			High Heating 47 F		Low Heating
				Manufacturer	Model	Manufacturer(Mix-Match)	Model		Capacity (Btuh)	EER	SEER	Capacity (Btuh)	HSPF	Capacity (Btuh)
3861493	Active	OEM	DX 1400 R410A HP	AIRQUEST	H4H424GKD*		ED*4X24F**	OMV098J12*	23000	12.00	15.00	24000	8.50	14600
3861494	Active	OEM	DX 1400 R410A HP	AIRQUEST	H4H424GKD*		ED*4X30F**	OMV098J12*	23200	12.50	15.00	23600	8.50	14600
3861495	Active	OEM	DX 1400 R410A HP	AIRQUEST	H4H424GKD*		ED*4X36F**	OMV098J12*	23400	12.50	15.00	23600	8.50	14600
3861502	Active	OEM	DX 1400 R410A HP	AIRQUEST	H4H424GKD*		EHD4X24A**	OMV098J12*	23000	12.00	15.00	24000	8.50	14700
3861503	Active	OEM	DX 1400 R410A HP	AIRQUEST	H4H424GKD*		EHD4X30A**	OMV098J12*	23200	12.50	15.00	23600	8.50	14700
3861504	Active	OEM	DX 1400 R410A HP	AIRQUEST	H4H424GKD*		EHD4X36A**	OMV098J12*	23600	12.50	15.50	23400	8.60	14700
3861496	Active	OEM	DX 1400 R410A HP	AIRQUEST	H4H424GKD*		EN(A,D)4X24*17**	OMV098J12*	23000	12.00	14.50	24000	8.50	14700
3861497	Active	OEM	DX 1400 R410A HP	AIRQUEST	H4H424GKD*		EN(A,D)4X30*17**	OMV098J12*	23000	12.50	15.00	23600	8.50	14600
3861606	Active	OEM	DX 1400 R410A HP	AIRQUEST	H4H424GKD*		EN(A,D,V)4X36*17**	OMV098J12*	23000	12.50	15.00	23600	8.50	14600
3861498	Active	OEM	DX 1400 R410A HP	AIRQUEST	H4H424GKD*		END4X31*17**	OMV098J12*	23600	12.50	15.50	23200	8.70	14700

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Step 5) Open the AHRI Certificate

The screenshot shows a Mozilla Firefox browser window with the URL <http://www.ahridirectory.org/ceedirectory/pages/hp/cee/defaultSearch.aspx>. The page displays a table of AHRI Certified equipment. A dialog box titled "Opening ARICertificate.pdf" is overlaid on the table, asking "What should Firefox do with this file?" with options to "Open with" (selected), "Save File", or "Do this automatically for files like this from now on." The "Open with" option is set to "Adobe Reader 9.3 (default)".

AHRI Certified Ref #	Model Status	Manufacturer Type	Trade/Brand Name	Manufacturer	Performance Metrics						
					Capacity (Btuh)	EER	SEER	Capacity (Btuh)	HSPF	Capacity (Btuh)	
3861493	Active	OEM	DX 1400 R410A HP	AIRQUEST							
3861494	Active	OEM	DX 1400 R410A HP	AIRQUEST							
3861495	Active	OEM	DX 1400 R410A HP	AIRQUEST	23400	12.50	15.00	23600	8.50	14600	
3861502	Active	OEM	DX 1400 R410A HP	AIRQUEST	23000	12.00	15.00	24000	8.50	14700	
3861503	Active	OEM	DX 1400 R410A HP	AIRQUEST	23200	12.50	15.00	23600	8.50	14700	
3861504	Active	OEM	DX 1400 R410A HP	AIRQUEST	23600	12.50	15.50	23400	8.60	14700	
3861496	Active	OEM	DX 1400 R410A HP	AIRQUEST	23000	12.00	14.50	24000	8.50	14700	
3861497	Active	OEM	DX 1400 R410A HP	AIRQUEST	23000	12.50	15.00	23600	8.50	14600	
3861606	Active	OEM	DX 1400 R410A HP	AIRQUEST	23000	12.50	15.00	23600	8.50	14600	
3861498	Active	OEM	DX 1400 R410A HP	AIRQUEST	23600	12.50	15.50	23200	8.70	14700	

Step 5) View, save, or print your certificate

The screenshot shows a Windows desktop with an Adobe Reader window open. The window title is "ARICertificate-1.pdf - Adobe Reader". The menu bar includes File, Edit, View, Document, Tools, Window, and Help. The toolbar shows various navigation and editing tools, including a search box with the text "Find".

The certificate content is as follows:

AHRI CERTIFIED™
www.ahridirectory.org

This combination qualifies for a Federal Energy Efficiency Tax Credit when placed in service between Feb 17, 2009 and Dec 31, 2010.

Certificate of Product Ratings

AHRI Certified Reference Number: 3861495 Date: 5/5/2010 CEE Tier: Residential Tier 2

Product: Split System: Heat Pump with Remote Outdoor Unit-Air-Source
Outdoor Unit Model Number: H4H424GKD*
Indoor Unit Model Number: ED*4X36F**
Furnace Model Number: OMV098J12*
Manufacturer: AIRQUEST
Trade/Brand name: DX 1400 R410A HP

Manufacturer responsible for the rating of this system combination is AIRQUEST

Rated as follows in accordance with AHRI Standard 210/240-2006 for Unitary Air-Conditioning and Air-Source Heat Pump Equipment and subject to verification of rating accuracy by AHRI-sponsored, independent, third party testing:

Cooling Capacity (Btuh):	23400
EER Rating (Cooling):	12.50
SEER Rating (Cooling):	15.00
Heating Capacity(Btuh) @ 47 F:	23600
Region IV HSPF Rating (Heating):	8.50
Heating Capacity(Btuh) @ 17 F:	14600

A * following a rating indicates a voluntary rerate of previously published data, unless accompanied with a WAS which indicates an involuntary rerate.

The Windows taskbar at the bottom shows the Start button, several open applications (Document1 - Microsoft..., HP Search - Mozilla Fi..., Downloads), and the current Adobe Reader window. The system clock shows 10:52 AM.