

APPLICATION FORM for the international quality label for electrically driven heat pumps



Version 1.4
Release 01.01.2011

© **European Heat Pump Association**
Rue d'Arlon 63-67 | B-1040 Brussels | www.ehpa.org
phone +32 24 00 10 17 | fax +32 24 00 10 18 | info@ehpa.org

contact: **Ulla Lindberg** | ulla.lindberg@sp.se

APPLICATION DATA

1. The applicant:

Company:

Contact person:

Street address:

Town / Country:

Tel.

Fax:

Test Report 2 (to be provided by the test centre) must be submitted along with the above-specified documents, see Chapter 2.

2. Test centre, authorised EHPA test centre:

Company:

Contact person:

Street address:

Town / Country:

Telephone/fax:

3. Test-report number/s

Date:

4. Model/s series description

Date/Place:

Affirmed:

5. Description of main components

The following list must include the declaration of main components in accordance with EHPA regulations, Item 2.2.1. The refrigeration circuit diagram must be marked with the EN 1861 symbol.

Model identification:

Manufacturer:	
Model/type/series designation:	

Refrigeration circuit diagram:

Main components:

This list must be filled out, or a component list must be attached for each type of series.

	Manufacturer	Type designation/ description
Refrigerant		
Mass [kg]	-	
GWP	-	
Compressor 1		
Compressor 2		
Type of power control	-	
Evaporator		
Evaporator fan (number)		
Condenser		
Internal heat exchanger		
Accumulator		
Expansion valve		
Defrosting method	-	
Four-way-valve		
Defrosting control (Description of the control concept)	-	
Software version		

6.1 Performance data: Brine-to-water heat pumps

Details as listed below in Table 1 must be submitted for inspection, either as separate documents or be filled out in the table. Test conditions defined according to EN 14511.

Technical data, Table 1

Model ->													
Source of data*													
Volume flow Q/N	m ³ /h												
Refrig. mass	R.../kg												
GWP													
Sound power	dB(A)												
B 5/W35	Heat output/kW												
	El. input/ kW												
	COP												
B 0/W35	Heat output/kW												
	El. input/ kW												
	COP												
	Minimum COP									4.30			
B 5/W45	Heat output/kW												
	El. input/ kW												
	COP												
B 0/W45	Heat output/kW												
	El. input/ kW												
	COP												
B-5/W45	Heat output/kW												
	El. input/ kW												
	COP												
B 5/W55	Heat output/kW												
	El. input/ kW												
	COP												
B 0/W55	Heat output/kW												
	El. input/ kW												
	COP												

* The source of data must be clearly identified by marking the column with

“C” for “Certified test data”: data from a heat pump unit selected and tested by the test center

“M” for “data provided by the manufacturer”: data transmitted by the manufacturer and not tested by the test center.

Technical data in accordance with EHPA application and components as listed in paragraph 5 (Description of main components)

Confirmation

We hereby certify that the named test objects are heat pumps in series production, and that all presented data is correct. We acknowledge that we are obliged to inform the respective quality label commission voluntarily, without request, on all changes to test objects with a quality label.

We agree that the content of the test report level 2 is as a whole or in parts made publicly available on the websites of the EHPA or the national heat pump associations.

Date/place

Applicant/stamp

6.2 Manufacturer's data: Water-to-water heat pumps

Details as listed below in Table 2 must be submitted for inspection, either as separate documents or be filled out in the table. Test conditions according to EN 14511.

Technical data, Table 2

Model ->													
Source of data*													
Volume flow Q/N	m ³ /h												
Refrig. mass GWP	R.../kg												
Sound power	dB(A)												
W 10/W35	Heat output/kW												
	El. input/ kW												
	COP												
	Minimum COP	5.10											
W 10/W35-25 (optional)	Heat output/kW												
	El. input/ kW												
	COP												
W 15/W45	Heat output/kW												
	El. input/ kW												
	COP												
W 10/W45	Heat output/kW												
	El. input/ kW												
	COP												
W 15/W55	Heat output/kW												
	El. input/ kW												
	COP												
W 10/W55	Heat output/kW												
	El. input/ kW												
	COP												

* The source of data must be clearly identified by marking the column with

“C” for “Certified test data”: data from a heat pump unit selected and tested by the test center

“M” for “data provided by the manufacturer”: data transmitted by the manufacturer and not tested by the test center.

Technical data in accordance with EHPA application and components as listed in paragraph 5 (Description of main components)

Confirmation

We hereby certify that the named test objects are heat pumps in series production, and that all presented data is correct. We acknowledge that we are obliged to inform the respective quality label commission voluntarily, without request, on all changes to test objects with a quality label. .

We agree that the content of the test report level 2 is as a whole or in parts made publicly available on the websites of the EHPA or the national heat pump associations.

Date/place

Applicant/stamp

6.3 Manufacturer's data: Air-to-water heat pumps

Details as listed below in Table 3 must be submitted for inspection, either as separate documents or be filled out in the table. Test conditions according to EN 14511.

Technical data, Table 3

Model ->																				
Source of data*																				
Volume flow, Q/N	m ³ /h																			
Refrig. mass	R.../kg																			
GWP																				
Sound power inside/outside	dB(A)																			
A 7/W35	Heat output/kW																			
	El. input/ kW																			
	COP																			
A 2/W35	COP																			
	Heat output/kW																			
	El. input/ kW																			
	MinimumCOP																			3.10
A 2/W35-25 (optional)	Minimum COP																			
	Heat output/kW																			
	El. input/ kW																			
A-7/W35	Heat output/kW																			
	El. input/ kW																			
	COP																			
A-15/W35	Heat output/kW																			
	El. input/ kW																			
	COP																			
A 7/W45	Heat output/kW																			
	El. input/ kW																			
	COP																			
A 2/W45	Heat output/kW																			
	El. input/ kW																			
	COP																			
A-7/W45	Heat output/kW																			
	El. input/ kW																			
	COP																			
A-15/W45	Heat output/kW																			
	El. input/ kW																			
	COP																			
A20/W55	Heat output/kW																			
	El. input/ kW																			
	COP																			
A7/W55	Heat output/kW																			
	El. input/ kW																			
	COP																			
A-7/W55	Heat output/kW																			
	El. input/ kW																			
	COP																			

* The source of data must be clearly identified by marking the column with
 "C" for "Certified test data": data from a heat pump unit selected and tested by the test center
 "M" for "data provided by the manufacturer": data transmitted by the manufacturer and not tested by the test center.

Technical data in accordance with EHPA application and components as listed in paragraph 5 (Description of main components)

Confirmation

We hereby certify that the named test objects are heat pumps in series production, and that all presented data is correct. We acknowledge that we are obliged to inform the respective quality label commission voluntarily, without request, on all changes to test objects with a quality label.

We agree that the content of the test report level 2 is as a whole or in parts made publicly available on the websites of the EHPA or the national heat pump associations.

Date/place

Applicant/stamp

6.4 Manufacturer's data: Direct expansion-to-water heat pumps

Details as listed below in Table 4 must be submitted for inspection, either as separate documents or be filled out in the table. Test conditions according to EN 14511.

Technical data, Table 4

Model ->														
Source of data*														
Volume flow, Q/N	m ³ /h													
Refrig. mass	R.../kg													
GWP														
Sound power	dB(A)													
E 4/W35	Heat output/kW													
	El. input/ kW													
	COP													
	Minimum COP												4.30	
E 4/W35-25	Heat output/kW													
(optional)	El. input/ kW													
	COP													
E10/W35	Heat output/kW													
	El. input/ kW													
	COP													
E 10/W45	Heat output/kW													
	El. input/ kW													
	COP													
E 4/W45	Heat output/kW													
	El. input/ kW													
	COP													
E-1/W45	Heat output/kW													
	El. input/ kW													
	COP													
E 10/W55	Heat output/kW													
	El. input/ kW													
	COP													
E 4/W55	Heat output/kW													
	El. input/ kW													
	COP													
Evaporator	Number													
	Diameter													
	Length													

* The source of data must be clearly identified by marking the column with

“C” for “Certified test data”: data from a heat pump unit selected and tested by the test center

“M” for “data provided by the manufacturer”: data transmitted by the manufacturer and not tested by the test center.

Technical data in accordance with EHPA application and components as listed in paragraph 5 (Description of main components)

Confirmation

We hereby certify that the named test objects are heat pumps in series production, and that all presented data is correct. We acknowledge that we are obliged to inform the respective quality label commission voluntarily, without request, on all changes to test objects with a quality label. .

We agree that the content of the test report level 2 is as a whole or in parts made publicly available on the websites of the EHPA or the national heat pump associations.

Date/place

Applicant/stamp

6.5 Manufacturer's data: Heat pumps for domestic hot water production

Details as listed below in Table 5 must be submitted for inspection, either as separate documents or be filled out in the table. Test conditions according to EN 255-3.

Technical data, Table 5

Choose type of heat pump resp. testing conditions:

Air to water heat pump:

- A20/W52 -> Min COP 3.20
- A15/W52 -> Min. COP 3.00
- A7/W52 -> Min. COP 2.40

Brine to water heat pump:

- B0/W52 -> Min COP 2.40

Water to water heat pump:

- W10/W52 -> Min COP 3.00

Direct exchange ground coupled to water heat pump:

- E4/W52 -> Min COP 2.60

Model ->												
Source of data*												
Refrig. mass	R../kg											
GWP												
Sound power inside/outside	dB(A)											
Tank volume	Litre											
	Heating up time / h											
	COP											
	Minimum COP	3.00										
	Standby power input / W											
	Reference hot water temp./°C											
	Max. us. vol. hot water / L											

* The source of data must be clearly identified by marking the column with

“C” for “Certified test data”: data from a heat pump unit selected and tested by the test center

“M” for “data provided by the manufacturer”: data transmitted by the manufacturer and not tested by the test center.

Technical data in accordance with EHPA application and components as listed in paragraph 5 (Description of main components)

Confirmation

We hereby certify that the named test objects are heat pumps in series production, and that all presented data is correct. We acknowledge that we are obliged to inform the respective quality label commission voluntarily, without request, on all changes to test objects with a quality label. .

We agree that the content of the test report level 2 is as a whole or in parts made publicly available on the websites of the EHPA or the national heat pump associations.

Date/place

Applicant/stamp

7. EU Manufacturer's Declaration of Conformity

CE

The undersigned

confirms that the relevant requirements of the harmonized EU Directives EU- Safety Standards and EU Product Standards and National regulations are fulfilled.

In the case of any change(s) to the equipment not agreed to by us, this declaration is null and void.

A copy of the necessary documents must be included, together with signed EU Manufacturer's Declaration of Conformity.

Company:

Date/place

Applicant/stamp

Annex 1

Check List for an Application - Quality label in an additional country -

Available certificate

- | | | | |
|--------------------------|------------------------------|--------------------|--------------------------------------|
| <input type="checkbox"/> | Copy of original certificate | Certificate number | Date of first original certification |
| | Country of origin: | Certification body | Validity |

EU Declaration of Conformity

- A signed Declaration of Conformity in accordance with Annex 1 of the documentation.

Documentation for planners, equipment installers/fitters and operators in national language!

- Installation regulations subject to safety regulations.
- Installation instructions.**
- Installation regulations.
 - Dimensional drawing incl. minimum clearances.
 - Schematic diagram, fluid systems.
 - Schematic diagram, electrical system.
- Operating manual/s.**
- General information and safety recommendations for proper use.
 - Main components.
 - Heat pump operation (start-up, temperature adjustment, manual operation).
 - Maintenance.
 - Trouble shooting.
 - Warranty terms.

Customer service in national language

- Customer service organization.
- Documentation, commissioning and repairs (template for commissioning and service logs).
- Warranty confirmations for repairs.
- Spare parts supplies guaranteed for 10 years.

Thank you for submitting complete documentation. Please accept our assurances that your request will be dealt with speedily and that your data will be treated confidentially.