



Heat Pump KEYMARK database: how to manage product data

Heat Pump KEYMARK Secretariat

25 April 2024





Danaé Kokkalis


Senior Communication Officer

European Heat Pump Association

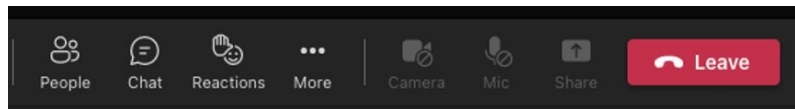
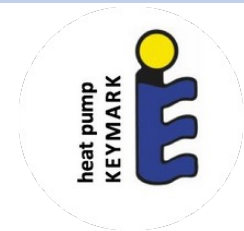


Today's agenda



Time	Topic	Speaker
10:00 - 10:10	Welcome & introduction to EHPA	Danaé Kokkalis
10:10 - 10:25	Introduction to HPK & certification process	Tarik Bellahcene
10:25 - 10:45	Presenting the database	André Jacob
10:45 - 10:55	Break 	-
10:55 - 11:20	Demo	André Jacob
11:20 - 11:50	Q&A session	-
11:50 - 12:00	Closing	Danaé Kokkalis

Housekeeping rules



 Recording and transcription have started. Let everyone know they're being recorded and transcribed. [Privacy policy](#)

Dismiss

You can ask your questions in the chat.
Don't forget to mention the name of the speaker
you would like to address your question to.



Where are you connecting from?





Introduction to EHPA



The European Heat Pump Association

Founded in 2000

219 members representing the entire value chain

- Heat pump and component manufacturers
- National associations
- Testing laboratories
- Utilities, consultancies and financial partners
- Research institutes and universities
- Heat pump-based services and startups

30 countries


Rue d'Arlon 63 - 67
1000 Brussels,
Belgium



EHPA & KEYMARK

Our vision

In a fully decarbonised Europe, heat pump technologies are the number one heating and cooling solution, and a core enabler for a renewable, sustainable and smart energy system.

Our mission

EHPA is a forward-looking association aiming at putting heat pumps at the centre of the energy system by communicating the benefits of heat pumps, providing relevant information and being a reference point and integrator to all stakeholders.



Policy Department

EHPA is the voice of the heat pump sector in the European Union and advocates to raise awareness and create a market environment that facilitates a faster deployment of heat pumps, to unleash their benefits on a European level. Policy work is naturally at the cornerstone of EHPA's activities.

Policy Toolbox for members only



The website

Summarised policy status of each major policy dossier



What's currently high on the agenda



All relevant documents from EU, EHPA, and Stakeholders



Concrete proposals on how to get involved



The Weekly Wrap-up

Fresh Policy news every week



The Weekly Policy Chat

Come and chat with us every Friday morning!



For more details send us an email policy@ehpa.org

Heat Pump Keymark

The **Heat Pump KEYMARK** is a voluntary European certification mark (ISO type 5 certification) for all heat pumps, combination heat pumps and hot water heaters. The scheme is owned by the European Committee of Standardization (CEN) and is executed by empowered certification bodies across Europe.

Benefits of the Heat Pump KEYMARK



A single certificate open to all interested parties



Third-party based on test points from Ecodesign



Regular factory production control and check of quality management



Products tested once and recognised everywhere!



secretariat@heatpumpkeymark.com

Our Projects

EHPA is actively involved in several European Funded projects that are part of the H2020, Interreg and Tender programmes, with excellent projects able to apply for the annual Heat Pump Award:



SunHorizon

Coupling Solar PV with Heat Pump Technology



RHC Platform

Multi sector innovation on Renewable Heating and Cooling



REWARDHeat

Innovating the district heating and cooling sector by developing new technologies and enabling the exploitation of a urban available and sustainable fuel mix



HP4All

Heat Pumps Skills for NZEB construction



Tender

Overview of Heating and Cooling: Perceptions, Markets and Regulatory Frameworks for Decarbonisation



SuperHomes2030

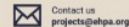
Up-scaling integrated deep renovation home services for Ireland



Heat Pump Award

Where innovative Heat Pump Technology gets recognised

Learn more about our projects:



Contact us
projects@ehpa.org



Visit our website
ehpa.org/projects



These projects have received funding from the European Union's Horizon 2020 research and innovation programme under grant agreements No. 857311 (REWARDHeat), No. 890602 (Superhomes2030), No. 981775 (HP4All), No. 825998 (RHC Platform), No. 818329 (SunHorizon).





Tarik Bellahcene

*Head of the Heat Pump KEYMARK
Secretariat*

European Heat Pump Association





Introduction to the Heat Pump KEYMARK Scheme

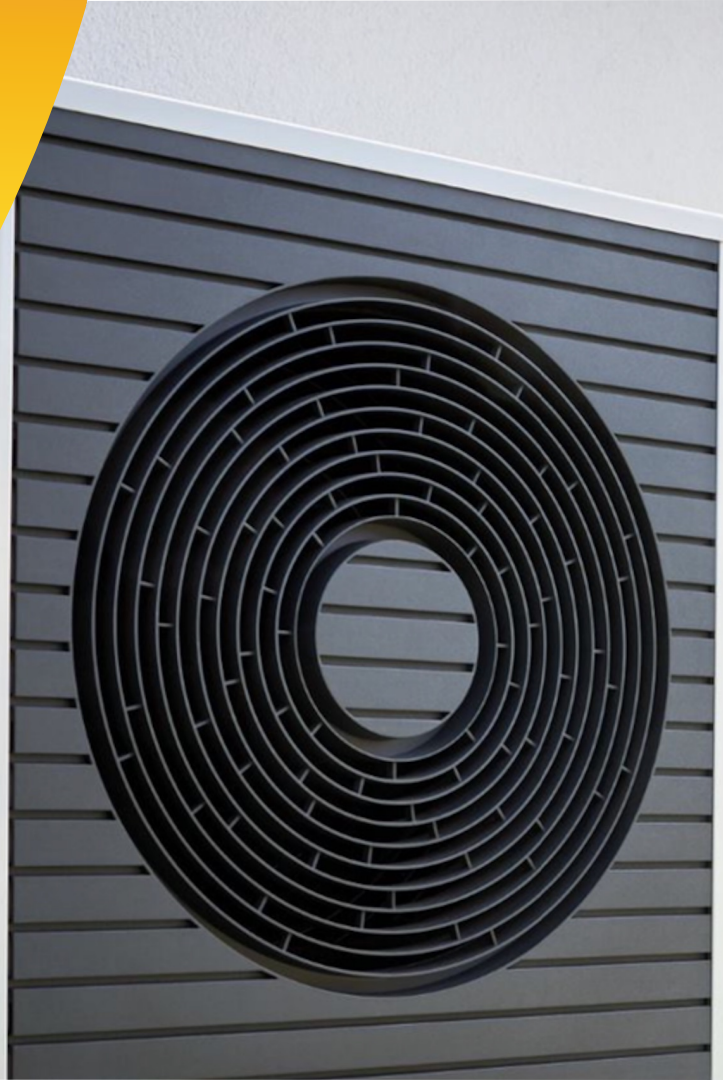




Heat Pump KEYMARK

Your European Quality Pass

Tarik Bellahcene
Head of Heat Pump KEYMARK Secretariat
Brussels, April 2024





AGENDA

Introduction to KEYMARK

KEYMARK for Heat Pumps - Certification

Heat Pumps KEYMARK - Certification Process - Scheme Recognition

Heat Pumps KEYMARK - Database and Communication

Heat Pumps KEYMARK - Benefits



Introduction to KEYMARK

Introduction to KEYMARK



- The KEYMARK is a voluntary European quality mark for products and services. It is owned by the European standardization organizations CEN and CENELEC
- The KEYMARK quality mark is granted by following a certification process that demonstrates compliance with European Standards and Ecodesign requirements
- The KEYMARK quality mark is issued by empowered certification bodies



KEYMARK quality mark for various types of products



- As a rule, the KEYMARK can be issued for all products and services, that are subject to a European Standard (EN)
- KEYMARK quality mark cover various sectors such solar thermal products, thermal insulation materials, thermostatic radiator valves, ceramic tiles, heat pumps or fire extinguishers



KEYMARK Schemes

KEYMARK certification schemes are solid reference across various industry sectors – Heat Pumps represent 37% of total KEYMARK issued certificates

- 2488 Thermal Insulation Products for Buildings KEYMARK Certificates
- **2122 Heat Pump KEYMARK Certificates**
- 1020 Solar Thermal Products for Buildings KEYMARK Certificates
- 77 Thermostatic Radiator Valves KEYMARK Certificates
- 63 Thermal Insulation Products for Industrial Applications KEYMARK Certificates





KEYMARK for Heat Pumps

KEYMARK for Heat pumps – Scope



The scope of this KEYMARK scheme encompasses a large variety of electrical driven heat pumps. This mainly includes:

- Space heating/cooling heat pumps
- Domestic Hot Water heat pumps
- Combination heater heat pumps

Using mainly the following Heat pump Technologies:

- Air to Water
- Brine to Water
- Air to Air



KEYMARK for Heat pumps – Testing types



Depending on the heat pump type applications, the following tests are required according to EN Standards:

- Space heating tests
- Space cooling tests
- Hot Water tests
- Sound Power level tests
- Operating tests

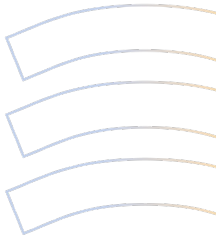


KEYMARK for Heat pumps - Standards



The tests are made according to the following EN Standards:

- EN 14511-1/2/3/4 Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors
- EN 14825 Air conditioners, liquid chilling packages and heat pumps, with electrically driven compressors, for space heating and cooling - Testing and rating at part load conditions and calculation of seasonal performance
- EN 16147 Heat pumps with electrically driven compressors - Testing, performance rating and requirements for marking of domestic hot water units
- EN 12102-1/2 Air conditioners, liquid chilling packages, heat pumps, process chillers and dehumidifiers with electrically driven compressors - Determination of the sound power level - Part 1: Air conditioners, liquid chilling packages, heat pumps for space heating and cooling, dehumidifiers and process chillers
- EN 15879-1 Testing and rating of direct exchange ground coupled heat pumps with electrically driven compressors for space heating and/or cooling - Part 1: Direct exchange-to-water heat pumps



KEYMARK quality mark for Heat pumps - Stakeholders



- The European KEYMARK Certification Scheme and rules for heat pumps were developed by:
 - Heat Pump Scheme Group (HPSG)
 - Heat Pump Steering Committee (HPSC)
 - Heat Pump KEYMARK Secretariat run by European Heat Pump Association (EHPA)
- Involving directly the following stakeholders and interested parties:
 - Manufacturers
 - Testing Laboratories
 - Certification Bodies
 - European Heat Pump Association
- With support and supervision of KEYMARK Management Organisation (KMO) on behalf of CEN



KEYMARK for Heat Pumps – Secretariat Role



KEYMARK RECOGNITION
IN ALL MEMBER STATES



ESTABLISHED BRAND AWARENESS
AND NEW PARTICIPATING BODIES



IMPROVED DATABASE EXPERIENCE
AND IMPROVED INTERACTION WITH
EHPA QL DB

KEYMARK for Heat pumps – Verified by a Third Party



- Certification Bodies are accredited for the relevant European standards on the basis of ISO/IEC 17065. CBs are empowered by the Keymark Management Organization (KMO)
- Laboratories having an ISO 17025 accreditation for one or more of the relevant standards and test methods as defined and used in HP KEYMARK and recognized by a certification body



KEYMARK for Heat Pumps - Certification Decision

The KEYMARK certification scheme is maintained by

**HP KEYMARK
Certification
Bodies**

11

**HP KEYMARK
Testing
Laboratories**

29



KEYMARK for Heat pumps - Certification Bodies



KEYMARK for Heat pumps - Testing laboratories



KEYMARK for Heat Pumps - Certificates issued

The KEYMARK certification scheme is still fast growing



**HP KEYMARK
Certificate Holders**

141

**HP KEYMARK
Certificates Issued**

2122

**HP KEYMARK
Certified Models**

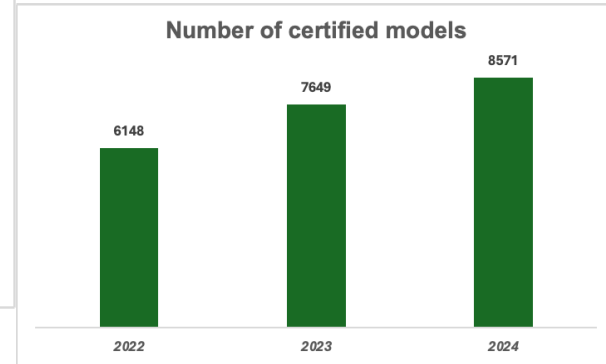
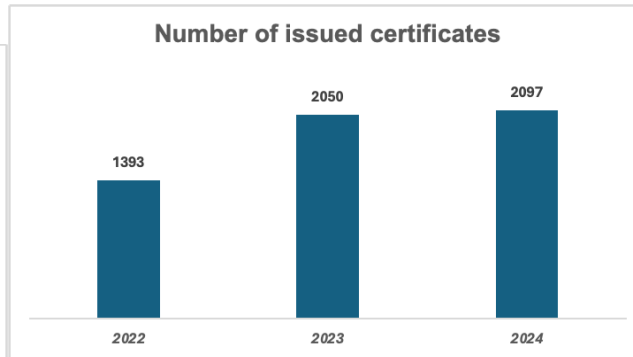
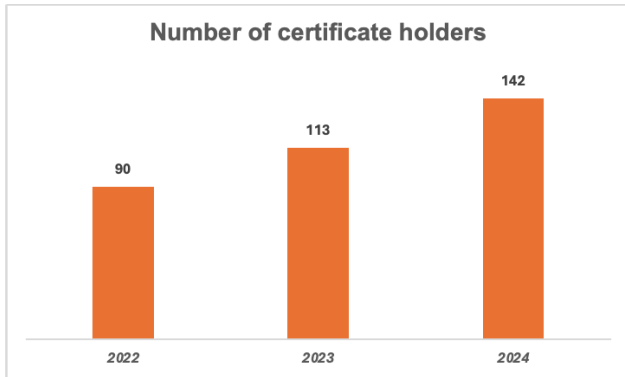
8654





KEYMARK for Heat Pumps - Certificates issued

With 645 new certificates, we recorded in 2023 the highest number of new certificates since launch of the scheme





KEYMARK quality mark for Heat Pumps

Certification Process

Scheme Recognition

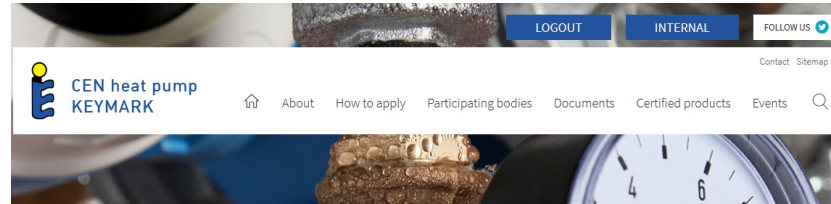
KEYMARK for Heat pumps - Certification process



1. Application: manufacturers or distributors contact one of the empowered certification bodies of their choice
2. Factory inspection and product sampling by an authorized inspector
3. Testing of the sampled units by an authorized testing institute chosen by the manufacturer among the ones recognized by the certification body
4. Conformity assessment of all the reports and documents by the certification body
5. Annual monitoring

KEYMARK for Heat pumps - Database entry by the manufacturer

The applicant declares the values of the heat pumps in the heat pump KEYMARK database and submit the entries to the certification body for the review.



Home / HP KEYMARK - Manufacturers

HP KEYMARK - Manufacturers

Calendar

Dashboard

New Subtype

HP KEYMARK - Manufacturers

Downloads

Instructions

HP KEYMARK - Certification bodies

Certificate holders

Listing for Subtype

Advanced Search

Number of subtypes: 9

Subtype title	Submitting Date	Status
Happy DIN CERTCO Heat pumps		Data Entry
heat pump 0815		Data Entry
test		Data Entry
Test 1		Data Entry
test copy		Data Entry

HPK Certificate to a direct listing in MCS DB

- The MCS Installations Database, sometimes abbreviated to the MID, is a central online database that holds the information of every MCS certified small scale, low carbon installation in the UK since 2010 including Heat Pumps.
- The MID is the most comprehensive reference for small scale, renewable energy installations in the UK. It is unique to MCS.

Your Heat Pump KEYMARK Certificate will give you direct access to MCS

Contact your HPK CB



HPK Certificate to obtain directly EHPA QL

- The Quality Label is a programme developed by EHPA aiming to assure the end consumer of the quality of a heat pump unit.
- The label is based on tests according to international standards EN 14511, EN 14825, EN 15879 and EN 16147.

Your Heat Pump KEYMARK Certificate will give you direct access to EHPA QL

Contact one of the EHPA QL National Commission of the country you are planning to enter the market



KEYMARK for Heat Pumps - Scheme recognition at EU level

EUROPEAN RECOGNITION

A single certificate for
a single EU market

QUALITY OF PRODUCTS

Third-party testing
based test points
from Ecodesign

OPEN TO ALL INTERESTED PARTIES

and mutually
accepted by all
participating
certification bodies

CONTINUOUS DEVELOPMENT OF THE SCHEME

according to the
industry needs and
flexible approach





KEYMARK quality mark for Heat Pumps *Database - Communication*



[Home](#) > [Products](#) > [Heat Pumps](#) > [Heat Pump KEYMARK](#)

[Heat Pump KEYMARK](#)

[Why heat pumps?](#)

[Where is Heat Pump KEYMARK
Recognized?](#)

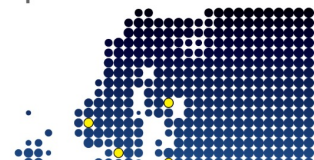
[How to apply](#)

[Testing and Certification](#)

Heat Pumps

A Single Certificate for a Single European Market

The Heat Pump **KEYMARK** is a **voluntary, independent European certification mark** (ISO type 5 certification) for all heat pumps, combination heat pumps and hot water heaters (as covered by Ecodesign, EU Regulation 813/2013 and 814/2013)



Heat Pump KEYMARK Certificates

Login

English

Advanced Search

Number of subtypes

1052

Number of models

4363

Certificate Holders

Advantix S.p.A.

AERMEC S.p.A.

Airwell Residential S.A.S.

ait-deutschland GmbH

Argoclima S.p.A

Ariston Thermo Group

August Brötje GmbH

BAXI Climatización S.L.U

BAXI Heating UK Limited

BAXI Potterton Myson

BAXI S.p.A.

BDR THERMEA FR (BRÖTJE)

BDR Thermea FR (CHAPPEE)

BDR Thermea FR (DE DIETRICH)

BDR Thermea FR (OERTLI)

BDR THERMEA FR (REMEHA)

Bosch Termotecnologia S.A.

Bosch Thermotechnik GmbH

Bosch Thermotechnik GmbH (Buderus)

Certificate holders

Calendar Addresses Secretariat Manufacturers Certification bodies **Certificate holders**

English

SUBTYPE

ECOAIR 1-9 PRO

Certificate Holder	Ecoforest Geotermia S.L. Rúa das Pontes, 25 36350 Nigrán (Pontevedra) Spain
Reg. No.	011-1W0469
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	ecoAIR 1-9 PRO
Driving energy	Electricity
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	0,850 kg
Certification Date	03.06.2021
Testing basis	HP KEYMARK certification scheme rules rev. 8

Generate PDF

Export model CSV

Number of models

1

MODELS

ecoAIR 1-9 PRO

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.20 kW	4.10 kW
El input	0.84 kW	1.30 kW
COP	4.98	3.15

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed



Page 3 of 8
This information was generated by the HP KEYMARK database on 23 Jun 2022

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	0 dB(A)	0 dB(A)
Sound power level outdoor	57 dB(A)	57 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_s	218 %	171 %



KEYMARK quality mark for Heat Pumps *Benefits*

KEYMARK for Heat pumps – Benefits

- A Third-party certification aids the purchasing decision and gives the consumers confidence that they have bought a quality product
- The recognized KEYMARK quality mark can be used as a reference to have access to public subsidies in majority of the European countries
- The scheme is open to all interested parties and details of certificate holders and certified products are publicly visible

Do you want to join the heat pump community?

Check out how to become an EHPA member!



www.ehpa.org/about-ehpa/join-us/

Thank you for listening

Tarik Bellahcene



[@helloheatpumps](https://twitter.com/helloheatpumps)



[European Heat Pump Association](https://www.linkedin.com/company/european-heat-pump-association/)



[@EuropeanHeatPumpAssociation](https://www.youtube.com/channel/UC...)



www.ehpa.org





Which category do you belong to?



André Jacob

Head of Technology

Bundesverband Wärmepumpe
(German Heat Pump Association)





Presenting the database



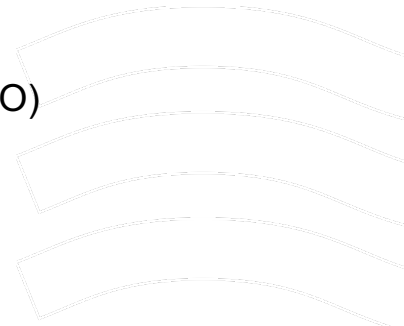
Seven Steps to Success

- Manufacturer reaches out to CB of choice (outside the database)
- CB and manufacturer agree on the scope certification and testing
- Manufacturer creates the subtype in the database
- Manufacturer enters certifiable performance data
- Manufacturer sends the subtype for approval to the CB
- Manufacturer informs the CB about the newly submitted subtype
- CB verifies the data using test reports and publishes the subtype



How to Get the Engine Running

- **As a Manufacturer:**
 - Reach out to an empowered CB
 - The Heat Pump Keymark Secretariat will be notified to add manufacturer's company to the database
 - Alternatively, reach out to the Secretariat directly
 - A user account will be created and a request to reset one's password will be sent
- **As a Certification Body:**
 - Send an application form to the KEYMARK Management Organisation (KMO)
- **As a Testing Laboratory**
 - Establish contact to one of the CBs
 - Pay attention to the requirements for testing laboratories (Annex H)



Log in to Database for the First Time

- (Re)set your password prior to your first login
- Enter your credentials into the login form

Login

CHANGE YOUR PASSWORD

Please enter your new password twice. Password needs a minimum length of 6 chars.

Enter new password

Repeat new password

Reset Password

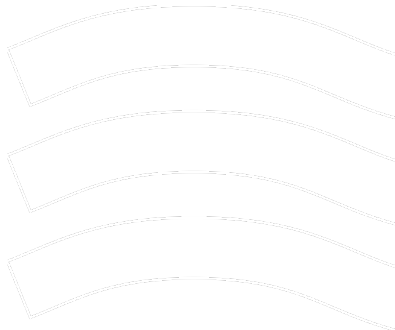
Login

Username

Password

Submit

[Forgot your password?](#)



Access the Internal Area to Create and Manage Subtypes I

- Navigate to the manufacturers' area and click on New Subtype
- ## Manufacturers

Calendar Manufacturers Certification bodies Certificate holders

English

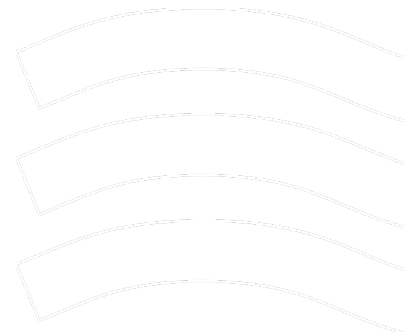
Dashboard **New Subtype** Instructions

Listing for Subtype

Advanced Search

Number of subtypes 3

Subtype title	Submitting Date	Status: Data Entry
NEW EHPA		Data Entry
HP 4kw		Data Entry
nuovo		Data Entry




Access the Internal Area to Create and Manage Subtypes II

- Enter the basic information on the subtype
- Basic information is shared across the subtype
- Information can be edited before submission
- You will be redirected to the subtype's detail view upon creation

New Subtype

Applicant

European Heat Pump Association (EHPA) 

Certification Body

European Heat Pump Association (EHPA) 

Title

Database Demo Subtype

Driving energy

Electricity

Gas

Hybrid

Refrigerant

R410A 

Mass of Refrigerant

4.8

kg

Heat Pump Type

Outdoor Air/Water

Brine/Water

Create new

Add a Model to Your Subtype

- Title will be used in the internal and public area to identify the model
- Internal ID will be used to identify in the internal area as well as for data exports and imports
- Climate zone / Climate zone (for heating)
 - show no difference for heating-only applications
 - “Climate zone” applies for water-heating and “Climate zone (for heating)” applies for space-heating in combined applications

Title	<input type="text" value="Demo Model 1"/>
Internal Id	<input type="text" value="DEMO_MODEL_1"/>
Application	<input type="radio"/> Heating (low temp) <input checked="" type="radio"/> Heating (medium temp) <input type="radio"/> Heating + DHW <input type="radio"/> Heating + DHW + low temp
Units	<input type="checkbox"/> Indoor <input checked="" type="checkbox"/> Outdoor
Cooling mode application (optional)	<input type="checkbox"/> +7°C/12°C <input type="checkbox"/> +18°C/+23°C
Climate Zone	<input checked="" type="checkbox"/> Colder Climate <input checked="" type="checkbox"/> Warmer Climate
Climate zone (for heating)	<input type="checkbox"/> Colder <input type="checkbox"/> Warmer
Reversibility	<input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="button" value="Create new"/> <input type="button" value="Cancel"/>	

Enrich Your Model with Performance Data I

- Upon creation, empty data fields (“n/a”) will be added to the model
- The data fields are generated depending on the model properties (“dynamic datasheet”)
- Two methods of data enrichment: manual input and data import

Heating

EN 14511-2

	Low temperature
Heat output	n/a
El input	n/a
COP	n/a

Edit

EN 14511-4

Starting and operating test	n/a
Shutting off the heat transfer medium flow	n/a
Complete power supply failure	n/a
Defrost test	n/a

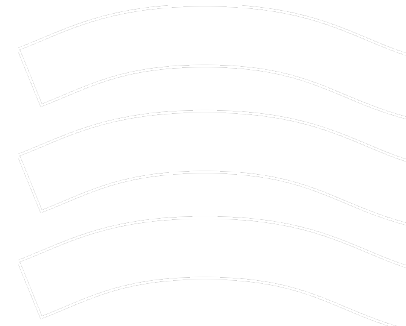
Edit

Enrich Your Model with Performance Data II

- The method of manual input will have a separate input form for each section
- Valid data ranges are shown as placeholders in the form controls
- Example: EN 14511-2

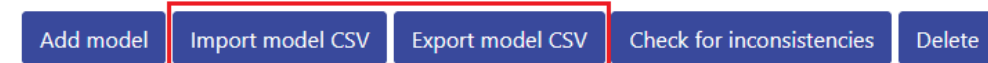
EN 14511-2 - Red bordered fields are mandatory

	Low temperature	Medium temperature
Heat output	<input type="text" value="0.01 - 400"/> kW	<input type="text" value="0.01 - 400"/> kW
El input	<input type="text" value="0.01 - 400"/> kW	<input type="text" value="0.01 - 400"/> kW
COP	<input type="text" value="0.01 - 15"/>	<input type="text" value="0.01 - 15"/>

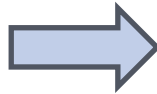


Enrich Your Model with Performance Data III

- Importing data allows for quickly editing model data
- The format to be used is CSV, more than one model may be included in one file
- Data is linked to models using the internal ID (“modelID”) and data identifiers (see [Import Manual](#))



```
"modelID", "varName", "value", "temperature", "climate", "indoorUnittype", "info", "hpType"  
"DEMO_MODEL_1", "title", "Demo Model 1", "0", "0", "0", "1", "0"  
"DEMO_MODEL_1", "application", "2", "0", "0", "0", "1", "0"  
"DEMO_MODEL_1", "EN14511_4_001", "2", "0", "10", "0", "2", "0"  
"DEMO_MODEL_1", "EN14511_4_002", "2", "0", "10", "0", "2", "0"  
"DEMO_MODEL_1", "EN14511_2_001", "9.70", "4", "10", "0", "2", "0"  
"DEMO_MODEL_1", "EN14511_2_001", "10.35", "5", "10", "0", "2", "0"  
"DEMO_MODEL_1", "EN14511_2_002", "2.12", "4", "10", "0", "2", "0"  
"DEMO_MODEL_1", "EN14511_2_002", "3.74", "5", "10", "0", "2", "0"  
"DEMO_MODEL_1", "EN14511_2_003", "4.57", "4", "10", "0", "2", "0"  
"DEMO_MODEL_1", "EN14511_2_003", "2.77", "5", "10", "0", "2", "0"
```



```
"modelID", "varName", "value", "temperature", "climate", "indoorUnittype", "info", "hpType"  
"DEMO_MODEL_2", "title", "Demo Model 2", "0", "0", "0", "1", "0"  
"DEMO_MODEL_2", "application", "2", "0", "0", "0", "1", "0"  
"DEMO_MODEL_2", "EN14511_4_001", "2", "0", "10", "0", "2", "0"  
"DEMO_MODEL_2", "EN14511_4_002", "2", "0", "10", "0", "2", "0"  
"DEMO_MODEL_2", "EN14511_2_001", "9.70", "4", "10", "0", "2", "0"  
"DEMO_MODEL_2", "EN14511_2_001", "10.35", "5", "10", "0", "2", "0"  
"DEMO_MODEL_2", "EN14511_2_002", "2.12", "4", "10", "0", "2", "0"  
"DEMO_MODEL_2", "EN14511_2_002", "3.74", "5", "10", "0", "2", "0"  
"DEMO_MODEL_2", "EN14511_2_003", "4.57", "4", "10", "0", "2", "0"  
"DEMO_MODEL_2", "EN14511_2_003", "2.77", "5", "10", "0", "2", "0"
```

Consistency Checks at Work

- Data is checked for consistency on change
- Inconsistent data is highlighted
- Data is expected to reside within an admissible margin (5 % or 8 %)
- Subtype cannot be sent for approval while consistencies are present

EN 14511-2 At least one value is missing and some values are inconsistent. ✓

	Low temperature	Medium temperature
Heat output	8.70 kW	n/a
El input	2.50 kW	n/a
COP	7.10	n/a

[Edit](#)

Inconsistent data detected for COP according to in Heating under the Low temperature regime.
Value is required to not exceed $3.76 \pm 8.0\%$.

Hand the Subtype over to the CB for Approval

- Submit the subtype to the CB using the corresponding button at the bottom of the subtype detail view
- Once a subtype is submitted, it can no longer be altered
- Its status changed from “Data Entry” to “Submitted”
- Inform the CB outside the database about your submission

MODELS

Demo Model 1

Show Delete

Demo Model 2

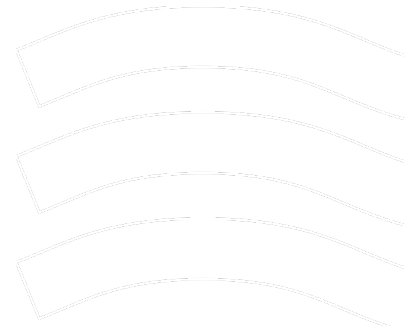
Show Delete

Add model

When data input is finished, please submit data to the certification body for approval.

Send for approval

Subtype title NEW Database Demo Subtype	Submitting Date 21.04.2024	Status: Data Entry ▾ Submitted
---	--------------------------------------	--



While on the Certification Body's Side...

- The CB has a detailed subtype view similar to manufacturers
- Change Status will either return the subtype to the manufacturer (“Data Entry”) or publish it (“Certified”)

SUBTYPE

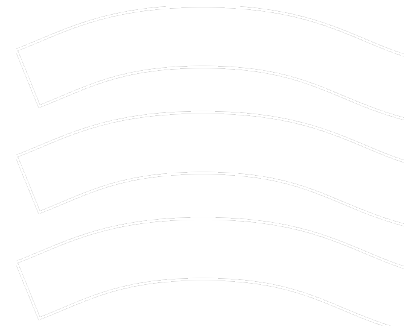
Applicant	European Heat Pump Association (EHPA) Rue d'Arlon 63-67 1040 Brussels Belgium
Registration number	n/a
Certification Body	European Heat Pump Association (EHPA)
Subtype title	Database Demo Subtype
Driving energy	Electricity
Heat Pump Type	Outdoor Air/Water
Refrigerant	R410A
Mass of Refrigerant	4.8
Submitting Date	21.04.2024
Status	Submitted
Phase-out Date	n/a

Change Status

Check for inconsistencies

Download consistency report

Delete



While on the Certification Body's Side...

- The subtype shall be amended by the testing basis, the registration number as well as a PDF file of the certificate prior to publication

Testing basis	n/a
---------------	-----

Please indicate the reference standards or the HP KEYMARK certification scheme rules rev. no.

[Edit](#)

CERTIFICATE

Registration number	n/a
---------------------	-----

[Edit](#)

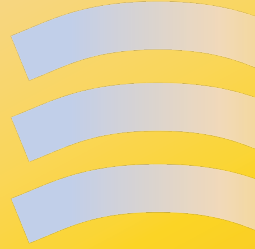
File	n/a
------	-----

[Add Certificate](#)



Break (10 min.)





What is your energy level?

Demo



Q & A

You can ask your questions in the chat.
Don't forget to mention the name of the person you are addressing your question to.





New database guidelines

Link [here](#).

**CEN HEAT PUMP
Database – a s**

 SCOP SEER water based HP V7.1 (99 KB)

 SGUEh SGUEc water based HP 20 REV1 (110 KB)

 Database Guidelines 25 April 2024 V2 (1.72 MB)

HPK Scheme documents for Certificate Holders and HPK Working Group

MCS Database





What topics would you like us to address in our next webinar?

Keep up with the latest updates!



www.heatpump.keymark.eu



Heat Pump KEYMARK



@hpkeymark

Get in touch!



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Thank you!

