

# *Eurovent Certita Certification*

## *Latest developments and trends*

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*Air side is up !  
Air quality a must do*

*The future is beyond efficiency*

# *New position in ECC*

*Head of Public & Regulatory  
affairs*

*In charge of research and  
development*

*Ms. Sandrine Marinhas  
P Ing , PhD*

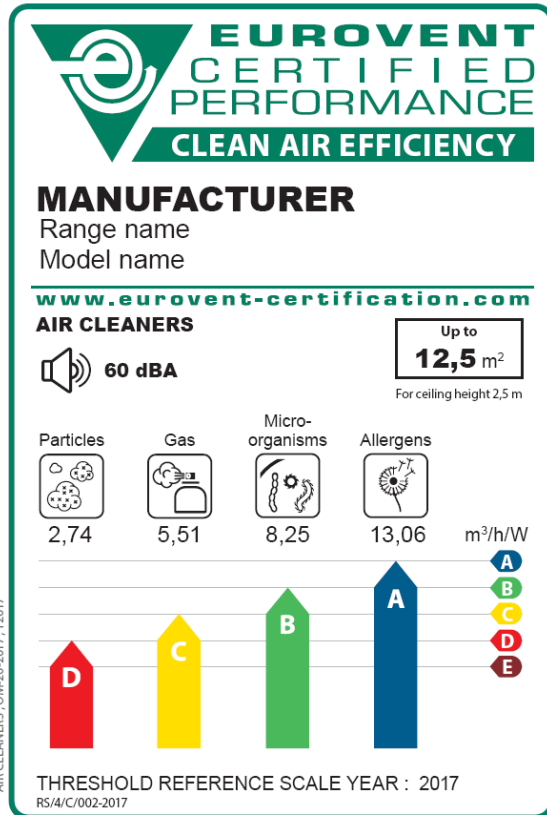
# European Heat Pumps

5/ Apr. 2017

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- One single programme, recognising all types of Heat Pumps,, under one single webpage on [www.eurovent-certification.com](http://www.eurovent-certification.com)
  - Air units (reversible A/C, VRF, Rooftop)  
Water units (NF 414 incl. pool HP, gas HP, ECP LCP)
  - Air source, Water source
  - Heating mode, Cooling mode,  
Domestic Hot water (NF 414)
  - Tests of seasonal performance since 2015 (ECP LCP)
  - 89 participants in total
  - Data constantly updated  
(dedicated team of 2 engineers, 5 client managers and 2 assistants)
  - Products easy to find and compare,  
performances easy to extract

- **Scope**
  - Rigid **metallic** ductwork systems with **circular** cross-section
  - Rigid **metallic** ductwork systems with **rectangular** cross-section
  - Semi-rigid non-metallic ductwork systems predominantly of **plastics**
- **Tests of typical ductworks**
  - EN 12237:2003 for metallic circular
  - EN 1507:2006 for metallic rectangular
  - EN 12237:2003 (for air tightness class and design operating pressures) and RS/2/C/004P (for service temperatures and resistance to external pressure) for plastics
- **Audits: yearly factories audits**



Clean Air Efficiency labelling

- NF 536 launched on 1<sup>st</sup> March 2016
  - Tests based on:
    - XP B44-200:2011 – Cleaners
    - XP B44-013:2009 – Photocatalysis
    - ISO 3741:2012 – Reverberant rooms
  - Qualification campaign under process
- ECP OM-20 ready to be published in April 2017
  - Eligible to OM-20 only if NF 536 certified
    - Tests made in the frame of NF 536 scheme
    - Combined audits
  - Clean Air Efficiency labelling introduced

# *Residential Air Filters*

10/ Apr. 2017

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- Launching committee: May 2016-March 2017
- Tailor made products and no catalogue available
  - Declaration of filters sold in the past 12 months
  - Tests on “standard size A4 version” of the selected filters
  - Publication of performances per filter family
- Annual tests
  - 4 repetition tests in total
- Annual audits
  - 1/3 of the factories audited annually + extra audit if new factory
- Certify-all principle applicable from 2020, January 1<sup>st</sup>
  - Soft start because of EN 779/ISO 16890 transition

12/ Apr. 2017

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- OM-22 ready to be published in April 2017
- Range certification
- 2 product categories
  - Basic assembly : impeller + accessories
  - Complete assembly : impeller + motor (+ drive) + accessories
- Wire to air approach
  - Performances published account for motor & drive (default values if needed)
- Annual tests
  - Tests reports to be provided (partlab or independent lab)
  - 1 fan/factory to be tested in independent laboratory
- Annual audits
  - 1 audit/factory/year



- New concept: nature of excellence
- Going beyond energy efficiency
  
- Key words
  - Efficiency
  - Durability
  - Recyclability
  - Maintainability
  - Augmented product content

- **Content :**
  - Desk file details design audit
  - Surprise audit ( per serial number certification )
  - 7 years full warranty
  
- **First product family : Air Handling Units**
  - Target publication Q1 2018
  - Future product in the pipe .

# *In the development pipe*

16/ Apr. 2017

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- Fuels cells , mCHP
- Close Control
- Liquid to liquid plate heat exchangers
- Adiabatic cooling equipement
- Condensing unit
- Air curtains
- Heat Interface Unit

# *Eurovent Certified Performance*

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17/

Apr. 2017

*Thanks for your attention*

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Our websites

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