



1<sup>er</sup> January 2017

## Ecodesign: origins & perspectives

- KYOTO (1997), COP21 (Paris 2015) and COP 22 (Marrackech 2016) define the targets to restrict the global warming to 1,5°C.
- Ecodesign directive 2009/125/EC define a framework for all energy-consuming equipments. It is mandatory for all products sold and used in European Union.
- The regulations resulting from Ecodesign define, for each product family, minimum efficiencies to achieve in 2 steps.

## Rules

The regulation ensue from Ecodesign are mandatory to apply, even if the local governments don't implement them into national regulations or decrees:

- **Electric motors EC 640/2009:**  
1<sup>st</sup> tier: 16<sup>th</sup> june 2011 . . . . motors IE2  
2<sup>nd</sup> tier: 1<sup>st</sup> january 2015 .. motors IE3 if P>7.5 kW  
3<sup>rd</sup> tier: 1<sup>st</sup> january 2017 .. moteurs IE3
- **Fans EU 327/2011:**  
1<sup>st</sup> tier: 1<sup>st</sup> january 2013  
2<sup>nd</sup> tier: 1<sup>st</sup> january 2015
- **Air conditioners (P<12kW) and comfort fans EU 206/2012:**  
1<sup>st</sup> tier: 1<sup>st</sup> january 2013  
2<sup>nd</sup> tier: 1<sup>st</sup> january 2014
- **Ventilation units EU 1253/2014:**  
1<sup>st</sup> tier: 1<sup>st</sup> january 2016  
2<sup>nd</sup> tier: 1<sup>st</sup> january 2018
- **Space heaters and combination heaters EU 813/2013:**  
1<sup>st</sup> tier: 26<sup>th</sup> september 2015  
2<sup>nd</sup> tier: 26<sup>th</sup> september 2017
- **Low temperature process chillers and condensing units EU 2015/1095 (dedicated to industrial application and/or refrigeration):**  
1<sup>st</sup> tier: 1<sup>st</sup> July 2016  
2<sup>nd</sup> tier: 1<sup>st</sup> january 2018
- **Air heating products, cooling products, high temperature process chillers and fan coil units EU 2016/2281:**  
1<sup>st</sup> tier: 1<sup>st</sup> July 2018  
2<sup>nd</sup> tier: 1<sup>st</sup> january 2021

The following directive are not connected to Ecodesign, but they are also directives and European regulations:

- F gaz (517/2014/EU) Fluorinated greenhouse gases used,
- DESP (2014/68/EU) for pressure equipment,
- DEEE (2012/19/EU) for waste electrical and electronic equipment,
- Machinery directive (2006/42/EC),
- Low voltage directive (2014/35/EU),
- Electromagnetic compatibility (2014/30/EU)....



## Which FAN COILS ranges are concerned by regulation EU 2016/2281 ?

### Will be concerned from 1<sup>st</sup> January 2018:

- All the LENNOX fan coil units, but no minimum performance to achieve.

### Are not concerned:

- EQUITHERM units (encased ventilation fan, included in rule nr 327/2011).

## Ranges concerned

ALLEGRA



INALTO



ARMONIA



ARIA 2



COMFAIR HV



COMFAIR HD



AXIL



## A new document

From the 1<sup>st</sup> of January 2018, each unit will be delivered with a datasheet as defined in EU 2281/2016.

Cooling capacity

Information to identify the model(s) to which the information relates:

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Cooling capacity (sensible)	$P_{rated, c}$		kW	Total electric power input	$P_{elec}$		kW
Cooling capacity (latent)	$P_{rated, c}$		kW	Sound power level (per speed setting if applicable)	$L_{WA}$	-	dB
Heating capacity	$P_{rated, h}$		kW				
Contact details	Name and address of the manufacturer or of its authorised representative.						

Heating capacity

Sound power level  
Outdoor/Indoor