



L'etichettatura energetica degli elettrodomestici:
il contributo di EPL

Elica Propulsion Laboratory

Gubbio, 7 luglio 2017



Corporate Presentation



Elica Corporation



**N#1 PLAYER WORLDWIDE IN
HOODS 14% MARKET SHARE**

2016 TURNOVER 439.3 €M

3,800 EMPLOYEES



**19 Mln
Cooking products
+ Motors**



**Cooking Net Sales:
Own Brand 44%
Client Brand 56%**



**2' & 3' Player produce
respectively 30% &
60% less than Elica***

World Wide Player



ELICA CORPORATION INDUSTRIAL SITES: 8



AWARDS Corporate and Products



GREAT PLACE TO WORK 2011 -
2012 Great Place to Work Italia 2011
Great Place to Work Europe 2013
Great Place to Work Polska



TOP EMPLOYERS
from 2009 to present Top Employers Italy
2011, 2014, 2015, 2017 Top Employers
Polska



ETICA E IMPRESA
Elica won in 2009 the award “Etica
e Impresa” in the category
Corporate Social Responsibility



CULTURA + IMPRESA
Fondazione Ermanno Casoli e
Elicawon thanks to the project
E-STRAORDINARIO



PREMIO DEI PREMI
Established by the Premiership,
is the national award for
innovative companies



GAZELE BIZNESU
Award sponsored by the
newspaper Puls Biznesu for
the companies more dynamic
development in Poland.



PREMIO
IMPRESE X
INNOVAZIONE

IMPRESE X INNOVAZIONE
The award is aimed at enhancing
and spreading the culture of
innovation at 360 °



MÉRITO EMPRESARIAL
Rewarded for the excellence
of the products and services
made in Queretaro, Mexico

**LEO
NAR
DO**

PREMIO LEONARDO
2017 The Committee awards
Leonardo Italian Quality Prizes to
entrepreneurs from companies that
have excelled during the year in
terms of product quality innovation,
as well as projecting a strong
international, commercial and
manufacturing presence.



RED DOT DESIGN AWARD

- 2011 - Skin
- 2012 - Clip / 35CC
- 2013 - Tiffany
- 2015 - Edith
- 2016 - Nuage
- 2017 - NikolaTesla / Bio / Summilux



GOOD DESIGN AWARD

- 2009 - Ola
- 2012 - Tiffany / 35CC
- 2015 - Edith /Ye / Snap
- 2016 - NikolaTesla / Bio / Summilux





IF DESIGN AWARD

2012 - Tiffany / Sweet /Tiffany

2015 - Edith

2016 - Top Sense / Ye / Nuage

2017 - Bio / Summilux



ADI DESIGN INDEX

2005 - Om / Evolution system

2013 - 35cc / 70cc

2015 - Nuage

2016 - Snap





ICONIC AWARD

2016 - Snap / Nuage / Edith
2017 - NikolaTesla / Bio / Summilux



EUROPEAN PRODUCT DESIGN AWARD

2017 - NikolaTesla / Bio / Summilux





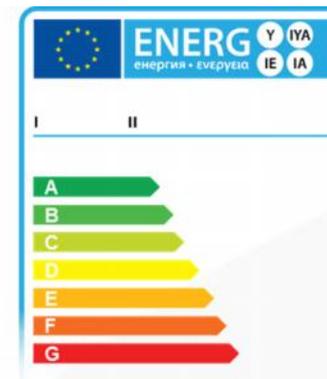
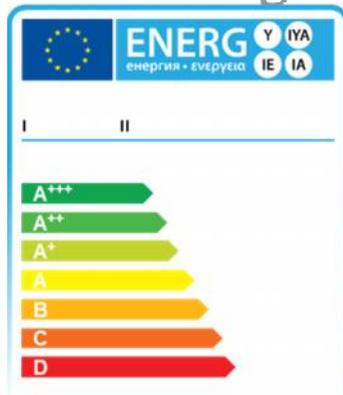
Revisione Direttiva Etichettatura Energetica

Punti chiave del nuovo regolamento

Aspetti essenziali nuova etichetta

- Revisione dell'etichettatura energetica: ripristino scala energetica da A a G
- Introduzione di una banca digitale di tutti i prodotti immessi sul mercato dell'UE

Rescaling iniziale



- Prime etichette riscalate fine 2019/inizio 2020



- Tutti gli altri prodotti con la nuova etichetta dopo 7,5 anni dall'entrata in vigore del nuovo regolamento
- Revisione dell'etichettatura energetica: ripristino scala energetica da A a G
- Introduzione di una banca digitale di tutti i prodotti immessi sul mercato dell'UE

Rescaling iniziale

- E' previsto un periodo di 4 mesi nei quali i prodotti dovranno essere forniti con 2 etichette (“vecchia” e “nuova”)
- I rivenditori dovranno poi sostituire le etichette entro 2 settimane
- Successivamente sarà accettata solo la nuova etichetta
- Prodotti con solo la “vecchia” etichetta saranno vendibili per max 13 mesi

Rescaling successivi

- Successivamente le etichette devono essere riscalate quando:
- (A) il 30% dei prodotti venduti all'interno del mercato dell'Unione fa parte della classe A di efficienza energetica; o
- (B) il 50% dei prodotti venduti all'interno del mercato dell'Unione fa parte dei due classi superiori di efficienza energetica A + B.

Data base

Database centralizzato

Public part
Accessibile ai consumatori

Compliance part
**Accessibile solo
a MSAs & EC**

- In vigore dal Gennaio 2019
- Inserimento dati entro il 30 Giugno 2019

Timing

- Autunno 2017 - entrata in vigore
- 30 Giugno 2019 - obbligo inserimento dati nel database
- Fine 2019/ inizio 2020 - prime etichette riscalate sul mercato

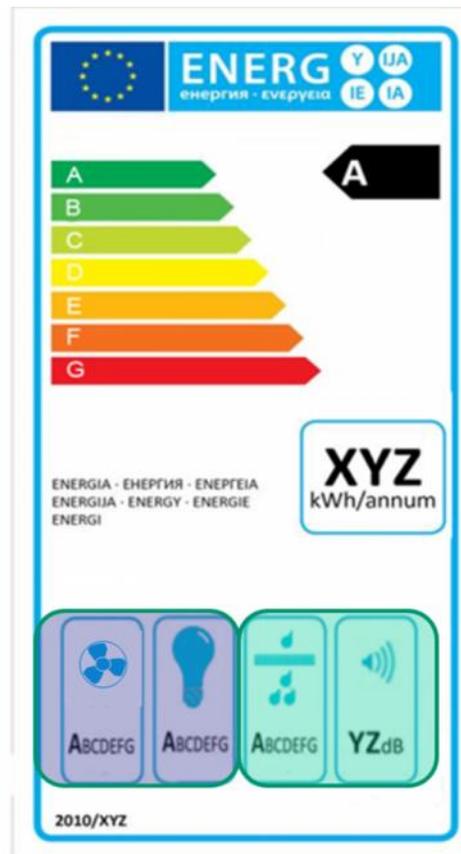


Etichetta energetica delle cappe

Formato etichetta cappe

Dimension:
120 x 60 mm

The **FDE** (*Fluid Dynamic Efficiency*) & the **LE** (*Lighting Efficiency*) would be indicated in the Label with their own efficiency values



The main index would be the **EEI** (Energy Efficiency Index) from G to A+++
It will take care of **FDE** & **Lighting**

AEC: Annual Electric Cons.

The label will report also the **GFE** (*Grease Filtering Efficiency*) and the **NOISE** @ max speed not boost

Normative di riferimento

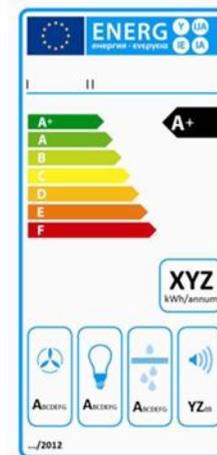
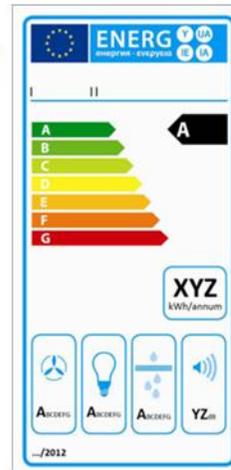
No new standards were introduced:

- ✓ **EN 61591** is used for calculation of Air flow, Lighting Efficiency and Grease Efficiency;
- ✓ **EN 61591** has been amended to introduce:
 - *Definition of the Best Efficiency Point (BEP),*
 - *Calculation of the Fluid Dynamic Efficiency (FDE);*
- ✓ **EN 60704-1 & EN 60704-2-13** are used for calculation of the Noise.

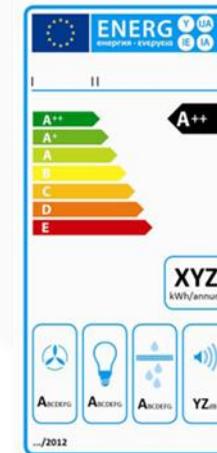
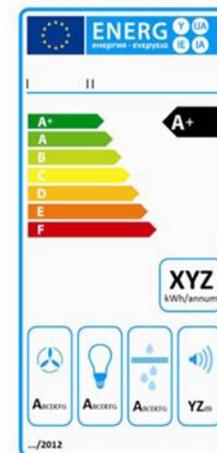
*For details about calculations,
see Annex I*

Evoluzione etichetta

- ✓ From 01/01/2015: A / G or A+ / F

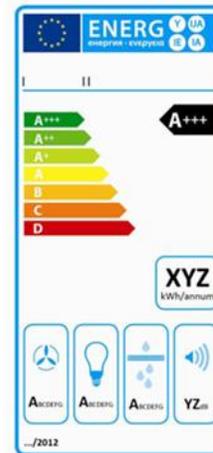
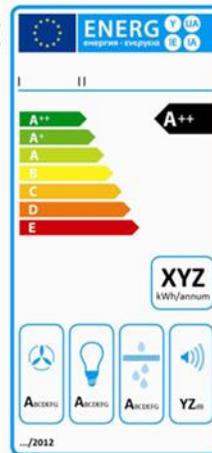


- ✓ From 01/01/2016: A+ / F or A++ / E

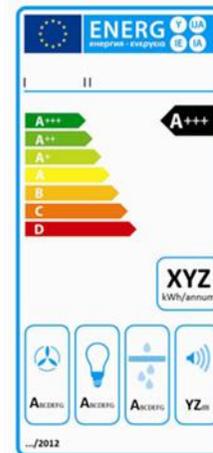


Evoluzione etichetta

- ✓ From 01/01/2018: A++ / E or A+++ / I



- ✓ From 01/01/2020: only A+++ / D



Formule

$$FDE = \frac{Q_{BEP} \times P_{BEP}}{3600 \times W_{BEP}} \times 100$$

$$EEI = \frac{AEC}{SAEC} \times 100$$

- for all other household range hoods:

$$AEC = \frac{[W_{BEP} \times (t_H \times f) + W_L \times t_L]}{60 \times 1000} \times 365$$

where

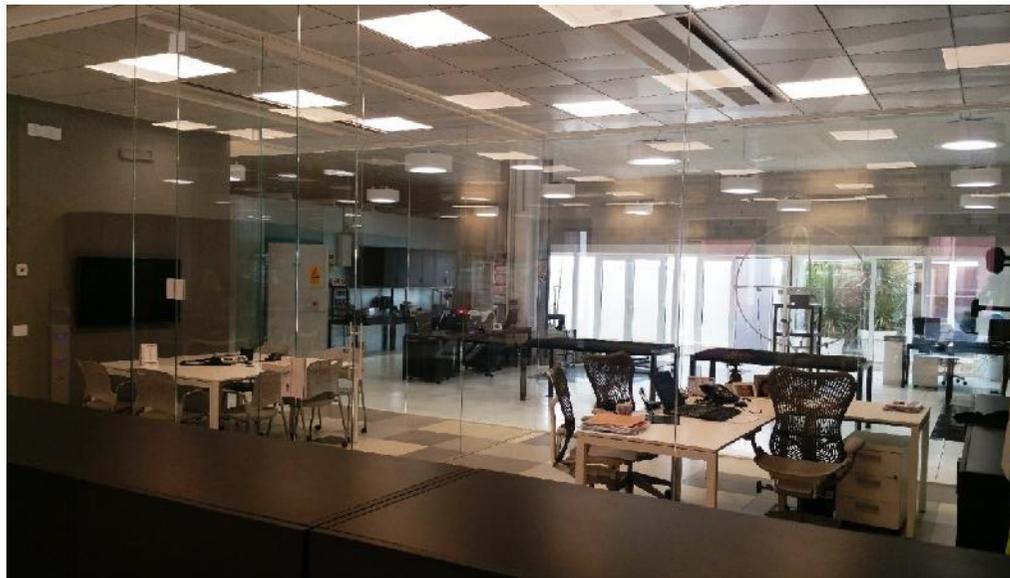
- W_{BEP} is the electric power consumption of the range hood, in Watt and rounded to the first decimal place, at the best efficiency point;
- W_L is the nominal power consumption of the lighting system on the cooking surface, in Watt and rounded to the first decimal place;
- t_L is the average lighting time per day, in minutes, $t_L = 120$;
- t_H is the average running time per day for household range hoods, in minutes, $t_H = 60$;
- f is the time increase factor, rounded to the first decimal place.



EPL
Elica Propulsion Laboratory

Mission

1. Garantire Sicurezza, Affidabilità, Prestazioni, Efficienza Energetica e Compatibilità Elettromagnetica di Prodotti Finiti e Componenti;
2. Supportare Ricerca ed Innovazione;
3. Favorire e garantire l'accesso ai Mercati Mondiali.



Certificate of Approval



issued on: **2017-01-23**

by: **UL International Demko A/S**

to: **Elica TechLab di Elica S.p.A.**

with its testing laboratory located at:

Via Ermanno Casoli, 2A, 60044 Fabriano (AN) - Italy

The above Manufacturer's Testing Laboratory facilities and staff have been assessed in accordance with the IECEx Peer Assessment Program and found to comply with the requirements of the latest Editions of the Basic Rules IECEx 01, Rules of Procedure IECEx 02 and applicable requirements of ISO/IEC 17025 as specified in the IECEx Operational Documents for the testing of defined electrotechnical equipment and components under the IECEx CB Scheme.

The laboratory has been found eligible for participation in the IECEx CTF Stage 3 Program under the supervision of UL (Demko) acting as the NCB.



Jan-Erik Storgaard, Certification Manager

Certificate expires: **2017-11-30**

CERTIFICATE OF PARTICIPATION

Issued by
UL LLC

Elica Spa

Via Ermanno Casoli 2/A, Fabriano AN 60044, Italy

has been assessed and found to be eligible to participate in the

Client Test Data Program (CTDP)

DA File: DA742
Issued: 2017-01-23
Expires: 2017-11-30



Jim Feth
Program Manager

Servizi

Sicurezza: verifica conformità ai requisiti normativi per accesso ai mercati mondiali (Usa, Europa & ROW);





Servizi

Rilascio certificazioni internazionali in collaborazione con UL





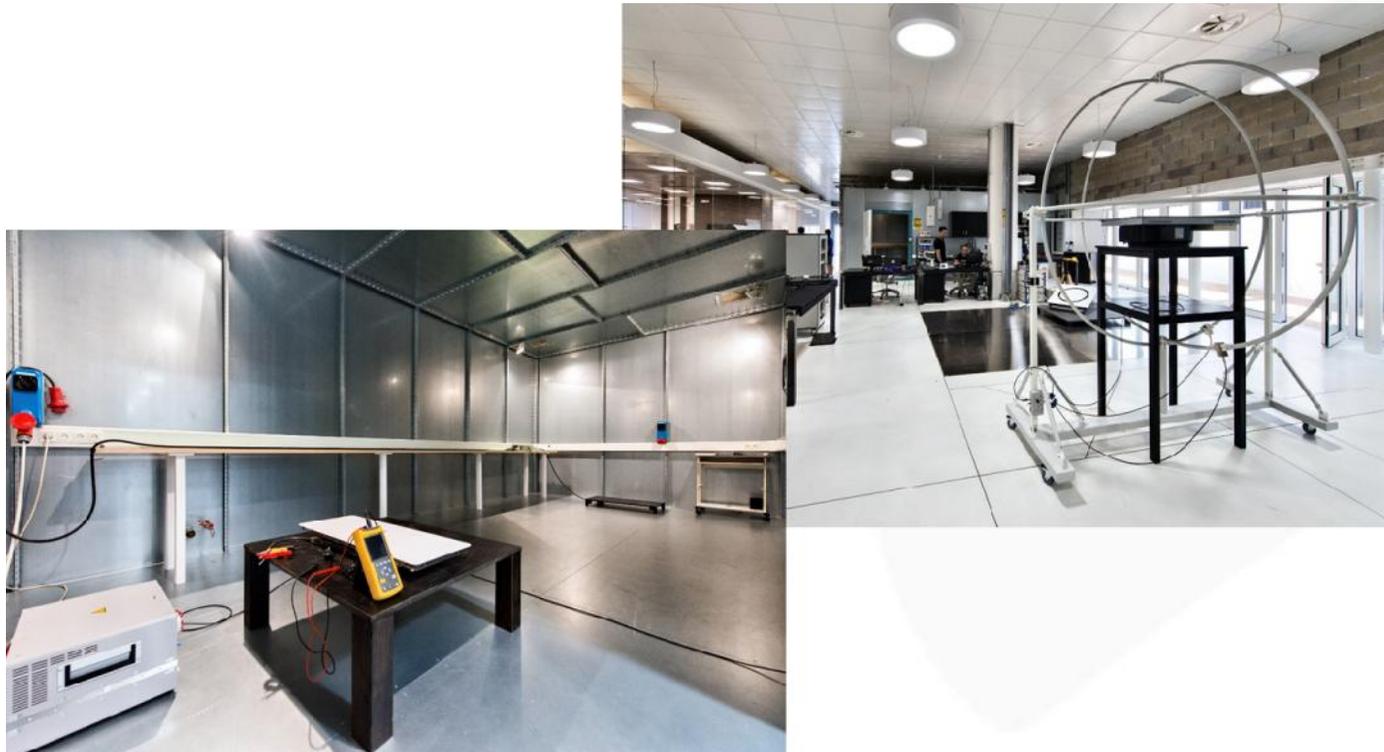
Servizi

Rilascio certificazioni internazionali in collaborazione con UL



Servizi

Verifica della Compatibilità Elettromagnetica di prodotti finiti e componenti



Servizi

Verifica prestazioni ed Efficienza Energetica



Servizi

Misura del Rumore Emesso da prodotti finiti e componenti



Servizi

Identificazione delle sorgenti acustiche



Servizi

Prove imballo



Servizi

Test su specifica



Mauro Castello
Strategic External Resourcing Manager
m.castello@elica.com



Grazie