



Electrolux Professional Green Spirit

Thinking of you

 **Electrolux**

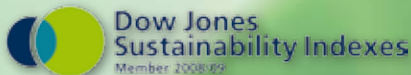
The commitment to the environment is written in the Electrolux Professional's genetic code.

A strong statement, confirmed by decades of continuous research for more efficient products and processes, but also established by communication activities to make Catering and Hospitality Professionals more and more aware of the importance of a conscious choice.

Electrolux Professional developed a concrete approach that involves each phase of the product life, from design to production, from dismantling to recycling, with one single aim: reducing the impact on the environment and maximizing the Customers' benefits.

As evidence of a constant and concrete commitment to the environment, and of the will to respect the strictest international standards, the green path of Electrolux Professional is punctuated by prestigious recognitions, achieved by independent institutions and organizations, which certified the ecological features of the products appointed as "sustainability champions" on the basis of objective measures.

Institutional commitment



Electrolux supports the WWF Italia projects, always keeping the environment in mind

Sustainable Energy Award

In 2007, the European Commission delivers this prize to Electrolux in the "Corporate Commitment" category, for its ongoing efforts to reduce energy consumption in factories, products and services, and to make the consumers more and more aware of the importance of a sustainable development.

Dow Jones Sustainability World Index

In 2008, for the ninth time, Electrolux is included in the prestigious Dow Jones Sustainability World Index, the first stock index which comprises the world's leading Companies driven by a responsible and sustainable approach, with a special attention to the environmental and social issues.

WWF

Since 1993 Electrolux and WWF cooperate to promote a better environmental sensibility. This activity began when there were no kinds of certifications and WWF selected the greenest products to be recommended to those consumers who were most sensitive to energy efficiency.

Product development



Environmental Certification ISO 14001

Since 1995 the factories of Electrolux Professional achieved this important certification which helps Companies improve their environmental quality. Beginning in 1996 the water and energy consumption for each piece produced has been reduced respectively by 50% and 20%.

RoHS (Restriction of Hazardous Substances Directive)

A severe internal policy, stricter than the law, limits the choice of the materials and adds to the RoHS European directive (adopted in 2003 by the European Union) – which prevents Companies from using hazardous materials and components - the Restricted Material List Electrolux. The global presence amplifies the effects and makes Electrolux Professional exporter of “environmental sensibility”, by spreading some of the strictest European laws to the whole supply chain in every country.

Recyclability

According to the Company policy and to their own nature, the solutions by Electrolux Professional guarantee a high level of components recyclability (up to 95%).

Green best practices

All along, in every plant, a special attention is directed to the water consumption, which has been drastically reduced. Dangerous substances, solvents, and polluting agents, have been deleted, and the silicon seals replaced with alternative, non contaminant products.



International certifications

The Green Spirit range, diamond-point of the Electrolux Professional offer, includes innovative solutions which guarantee enormous savings in terms of gas, electricity, water and detergent, and ensure a remarkable reduction of CO2 and NoX emissions, hazardous to the environment.



UK - ECA (Enhanced Capital Allowance)

For the products included in the ETL (Energy Technology List), which certifies their high energy efficiency.



Denmark - DEST (Danish Energy Saving Trust)

Obtained for products which are the most efficient in energy consumption.



Holland - EIA (Energy Investment Allowance)

Obtained for products which are the most efficient in energy consumption.



Holland - GASTEC

Double certification achieved by the gas ovens of new generations, both for high efficiency and reduced emissions.

Smart Heavy Duty Refrigeration

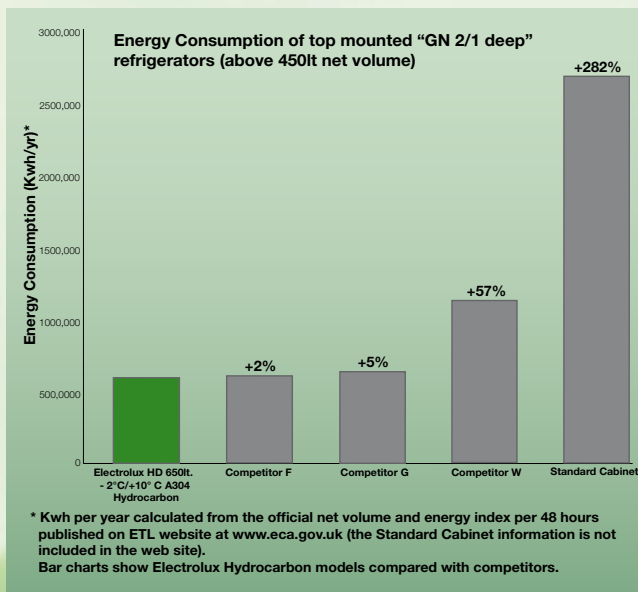
up to 73% energy saving and no emissions

Electrolux Heavy Duty refrigeration provides superior refrigeration performance even under stressful conditions while allowing you to save for both the environment and electricity.

Save up to 73% on your electricity bill

Electrolux Heavy Duty cabinets use up to 73% less energy than a standard cabinet. You can save up to 1.500 euro in five years compared to typical refrigerators available on the market today. These savings can be achieved thanks to the insulation material, density and thickness, the highly efficient compressors and the SMART defrost technology.

SMART defrost technology is an Electrolux patented feature: defrosting only occurs when ice builds up in the evaporator and stops as soon as the ice has melted. This makes the system much more efficient than traditional ones which only defrost by time.



Save the environment with Cyclopentane foaming

Electrolux refrigerators and freezers are foamed with cyclopentane, a hydrocarbon (HC) gas that does not damage the ozone layer and prevents the greenhouse warming effect. Cyclopentane replaces R134a based foams which contribute to the greenhouse effect.

Benefit from governmental support

Today the UK and US have programs that encourage the use of energy efficient and low emission products, offering tax reliefs on investments.

Certifications

The Smart HD cabinets have been certified in the UK by ECA and in the US by ENERGY STAR.

Range

The Smart HD range includes both cabinets (for Europe, Asia and US) and counters (only for US), either in refrigerator or freezer version.



Energy saving



Low emission



Electrolux Professional Smart Heavy Duty Refrigerators and Freezers' energy efficiency is certified by:



Products listed on the ETL, certified by ECA, are energy efficient, resulting in significant long-term financial benefits. Investing in energy efficient technologies reduces the impact on climate change.



Electrolux Smart Heavy Duty Cabinets are recommended by:

The DEST (The Danish Electricity Saving Trust) is an independent trust under the Danish Ministry of Climate and Energy. The Trust works to promote savings and a more efficient use of electricity.

air-o-steam ovens

Highest efficiency and lowest noxious emissions available in the market today

Electrolux air-o-steam ovens provide high productivity, great results, the highest energy efficiency and lowest emissions available on the market today.

Save up to 20% on your gas bill

The new gas burners in both the cavity and boiler are designed to be extremely efficient and save up to 20% of gas consumption.

Considering an annual consumption of 1.500 euro for gas and a lifetime of 8 years, you **can save 2.400 euro with the Electrolux air-o-steam oven** compared to a traditional blown burner combi-oven. This high efficiency is obtained through the Electrolux NXT gas burners.

Save the environment with 20% lower noxious emissions

Reduced gas consumption decreases the impact on the environment.

Further reduction is obtained through the innovative concept of the burners which guarantee 20% lower noxious emissions, ozone depletion and greenhouse warming gases.

Benefit from governmental support

Several governments provide tax reduction for the use of the GREEN SPIRIT products. At this moment, the UK, Netherlands, and US have programs that offer incentives for the use of energy efficient and low emission products.

Certifications

The new gas air-o-steam ovens have been awarded both the Gastec QA certification for High Efficiency and Low Emissions. The gas air-o-steam oven is currently the only oven in the market that has obtained both certificates.

Range

The QA certified air-o-steam ovens are available in 6 1/1, 10 1/1, 10 2/1, 20 1/1, and 20 2/1 grids.



Low emission



Electrolux Professional air-o-steam Ovens gained Gastec certification for both High Efficiency & Low Emissions.



Kiwa Gastec Certification is Europe's market leader in the field of testing and certification of gas related products. Kiwa Gastec Certification tests and certifies both products and quality management systems. It assesses the safety, efficiency and quality of safety and control devices, distribution, installation pipe systems and appliances.

Electrolux Professional air-o-steam Ovens are recommended by:



This tax relief programme gives a direct financial advantage (up to 44 percent of the annual investment costs are deductible) to Dutch companies that invest in energy-saving equipment and sustainable energy.



The new burners of air-o-steam ovens are environment friendly and offer increased savings.

Meal Distribution Trolley

Up to 60% of energy savings

The Electrolux Meal Distribution HACCP trolley is PATENTED and unique in the market. Its aim is to serve personalized tray meals for patients in Hospitals, Elderly Homes and Healthcare Institutions.

Save up to 60% on your electricity bill

The Electrolux Meal Distribution HACCP trolley can save 60% of your electrical bill compared to traditional competitors, which are using forced air convection systems.

The Electrolux Meal Distribution HACCP trolley is the only one in the market to use Peltier's technology to warm up or cool down individual plates.

This technology provides an enormous reduction in energy consumption compared to traditional thermoconvection. Each peltier cell is endowed with a temperature sensor which detects the actual plate temperature, allowing a precise temperature control and a delicate supply of energy to the food, thus granting the preservation of its organoleptic properties.

The table below provides a general view of how much electricity you can save when using the Electrolux Meal Distribution Trolley, compared to traditional competitors.

Hospitals using 40 trolleys can save up to 6.000 Euro/year on the Electricity bill:

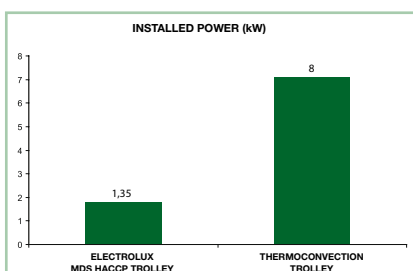
	Electrolux trolley	Thermoconvection trolley
Average installed power	1,35 kW	8 kW
Average electrical connection of trolley (before transporting to wards)	20 minutes	
Absorbed power per cycle (1 trolley)	0,59 kWh	2,65 kWh
Daily consumption per trolley (2 cycles/day - lunch and dinner)	1,12 kWh	5,3 kWh
Daily consumption for an installation with 40 trolleys	44,8 kWh	212 kWh
Annual consumption (365 days) for an installation with 40 trolleys	16.352 kWh	77.380 kWh
Annual savings	61.028 kWh/year	



Energy saving



Comparison between Electrolux Meal Distribution Trolley and other typical trolleys on the market today.



The Electrolux Meal Distribution HACCP trolley has 1,35kW of installed power compared to 8kW of traditional competitors.

Modular Cooking

Save energy and reduce emissions

Ecotop - Save energy

Enormous reduction of heat radiation thanks to the Ecotop coating.

Ecoflam - Produce less heat

"Ecoflam" is a pan detection system which has the advantages of saving money, producing less heat in the kitchen and making operation easier.

The burners are activated only during cooking operations, without wasting energy in the kitchen. When the pan is removed from the cooking surface, the Ecoflam will extinguish the flame, keeping only the pilot light on.

Flower flame - Reduce heat dispersion

The unique shape of the flower flame (patented) allows it to expand both horizontally and vertically as soon as the pot or pan is placed over the burner.

The flame adapts to the pot's diameter conveying the energy directly to the pot and reducing heat dispersion into the kitchen environment.

Induction - Save electricity

Large electricity savings compared to conventional cooking.

- Heat dissipation is reduced to a minimum
- Accurate and precise power control without inertia is obtained
- No pre-heating is necessary
- The induction zones recognize the presence of a pot on the surface and the power is switched on or off accordingly



Energy saving



ECOTOP



ECOFLAM



FLOWER FLAME



INDUCTION



green&clean

Undercounter and Hood Type

Experience the 20% running costs reduction maintaining best-in-class performance

Experience the 20% running costs reduction versus standard machines in the market and share the commitment on the latest generation of Electrolux Hood type and Undercounter dishwashers for a better environment and best in class performance.

Enjoy up to **500€* per year** with Hood Type or **300€** per year** with Undercounter in your pocket thanks to the **savings** made in **water, energy, detergent and rinse aid** but still guarantee **best in class washing performance**:

- **Low water consumption:** 3lt/cycle of fresh water are used for rinsing with standard water inlet conditions
- **Low energy consumption:** drops by 20-25% thanks to the less water used for rinsing
- **Less Detergent and Rinse aid consumption:** much smaller quantities are needed

The perfect rinsing performance using only 3 liters of water

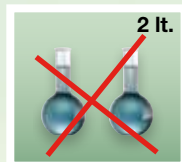
Electrolux *green&clean*



high running costs without impact on performance



green&clean: the **perfect balance** between optimum performance and low running costs



lowest running costs but with **inadequate performance**

* Comparison with standard machine: 100 cycles per day, 300 annual working days. 15°C input water

** Comparison with standard machine: 70 cycles per day, 300 annual working days. 15°C input water

Noise level

Electrolux remains best-in-class in terms of silent operation thanks to the double skin cabinet and the double skin insulated door and hood. In addition, the soft-start feature avoids a sudden rise in the noise level at the start of the cycle.

Eco-friendly packaging

The optimisation of the packaging materials and size, to fit trucks and containers standard dimensions, drastically reduce transportation costs and recycling needs.

Range

The new Undercounters and Hood Type are available with a capacity of 720 and 1200 dishes/hour.



Energy saving



Low noise



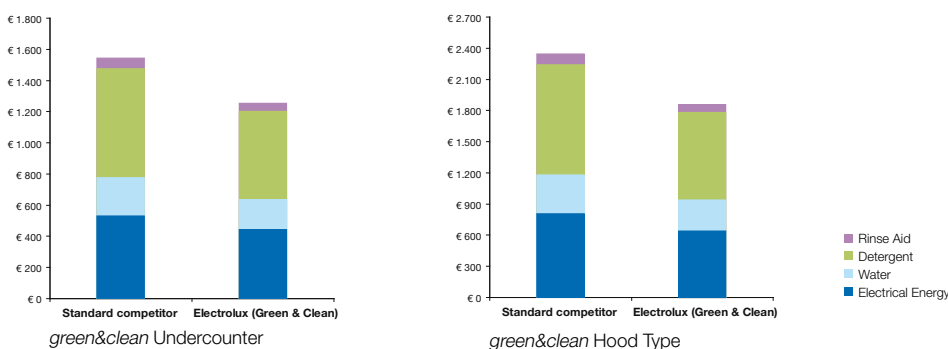
Water saving



Detergent saving



Yearly running cost (equal number of cycles, cycle 2)



Note: find the complete list of certified products at www.electrolux.com/foodservice.

Last Generation Rack Type

Save up to 75% of detergent, 30% of water and 30% of energy

The new Electrolux Rack Type dishwashing machine reduces water, detergent and energy consumption considerably thanks to the IWS (Ideal Washing System), the heat pump and the Energy Saving Device.

Save 75% of detergent and 30% of water

The Electrolux IWS system reduces the detergent and water consumption by 75% and 30% respectively, compared to traditional rack type dishwashing machines.

This means that over a lifetime of 10 years, the new rack type saves you up to 36.000 euro in detergent and up to 13.000 euro in water!*

IWS consists of separate modules for pre-washing, washing and rinsing and allows to maintain the best working conditions in each washing phase: pre-wash with cold water, washing with active detergent (not affected by rinsing aid) and perfect detergent removal in the rinsing phase.

Save 30% of energy by pre-heating water (heat pump and energy saving device)

The Heat Pump and Energy Saving Device (ESD) pre-heat the rinsing water before the water enters the boiler, reducing considerably the energy required to heat up the rinsing water. Furthermore, the Autostart function ensures that no water and energy is consumed when the dishwashing machine is in stand-by. Further energy is saved by the insulation around the boiler.

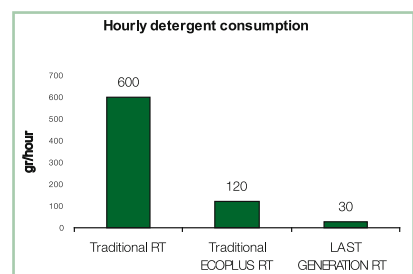
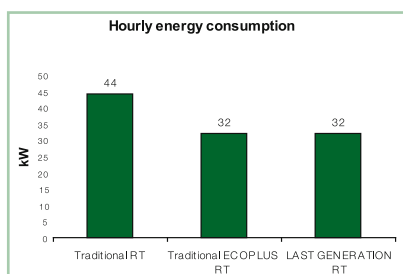
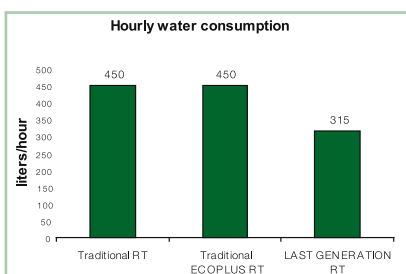
Range

The new Rack Type comes in six models, with a capacity of: 140, 165, 180, 200, 250, 300 baskets/hour.

* Savings depend on the local cost of detergent and water.



Running cost comparison between Traditional and Last generation Rack Type (RT) dishwasher.



Note: find the complete list of certified products at www.electrolux.com/foodservice.

Lagoon™

The new environmentally friendly alternative to traditional dry cleaning

Protect the environment

Lagoon™ is the ecological cleaning system that cares for delicate fabrics and helps protecting the environment. No solvents are used with Lagoon™ and all products are biodegradable for chemical-free drainage. Lagoon™ cleans your garment whilst keeping the environment safe.

Respect the fibres

Lagoon™ is a wetcleaning process designed to perform as smoothly as hand washing and as efficiently as professional cleaning.

Lagoon™ can safely wash all types of garment fibres including the most delicate silks, cashmeres, and pure new wools (Woolmark). Lagoon™ can also clean special synthetic fibres like Lycra®, GoreTex® and leather.

Fresh smell and revived colors

Garments washed with Lagoon™ smell fresher and the colors are brighter. Clothes cleaned with Lagoon™ will feel soft and fresh every time.

Do not hesitate, ask for the gentle and environmentally friendly process, Lagoon™



Electrolux Lagoon™

A Revolution in Professional Cleaning

Lagoon™ is the first water-based professional cleaning system to obtain the endorsement of Woolmark as the perfect alternative for the care of delicate garments.

Lagoon™ from Electrolux Professional has been hailed by Woolmark as a technological breakthrough in the professional care of garments which are, by tradition, exclusively drycleaned using chemical solvents.

Lagoon™
Wetcleaning by Electrolux



Lagoon™ the only wetcleaning fabric care system approved by the Woolmark Company



The Woolmark Company has approved the new Electrolux Lagoon™ System - a first ever in professional fabric care. With Lagoon™ you help protect the environment.

No solvents are used and all products are biodegradable for chemical-free drainage.

Generation 4000

The G4000 range is designed and manufactured to generate savings by optimising use of water, energy and time

The Electrolux G4000 expertise for sustainable development

Today, the new Electrolux G4000 range places laundry operations in the area of sustainable development. With new programming mechanisms, exclusive Electrolux systems, new design and modeling for 98 % recycling, the new G4000 range is the ideal professional response to the requirements of sustainable development. The perfect balance between consumption of water, energy, and time, combined with controlling waste makes it possible to obtain the best results when washing, drying, and ironing whilst respecting the environment.

Exclusive Electrolux patented systems to control and optimise programs

- **AWS** and **IWS**: Savings through the Automatic Weighing System which guarantees that the best level of water is used according to the size of the laundry load
- **DMIS**: Savings in detergents by using extremely precise doses. No excess usage
- **RMC**: Shorter and more efficient drying cycles thanks to the humidity moisture control system. "Custom": the ability to schedule for the automatic finish ending of the drying cycle as soon as the desired humidity level is reached. Ideal for delicate fabrics
- **Temperature control system**: a constant and controlled drying temperature which avoids temperature increases and reduces energy consumption
- **Rotation speed control system**: optimum contact of laundry with hot air. Shorter, more efficient cycles, reduced energy use
- **HRP**: 25 % energy savings thanks to the Heat Recovery Pipes. Closed-loop function. Uses the outgoing air to heat the incoming air
- **DIAMMS™**: Optimised ironing performance thanks to automatic speed and temperature adjustments by the integrated moisture control
- **DUBIXIUM®**: Optimised ironing performance thanks to the perfect distribution of liquid in the cylinder

The new Compass programming mechanisms were developed and designed exclusively by Electrolux for the G4000 range.

With Compass Control® you can choose the program set-up that suits you best. Finding the perfect balance between low water and energy consumption, whilst maximising wash results with shorter processing time.

Automatic Weighing System (AWS)

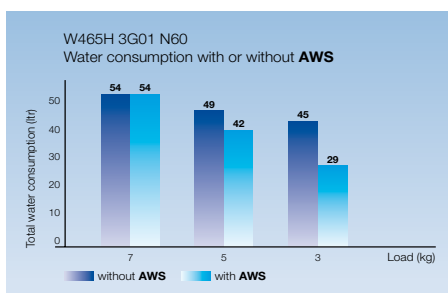
To achieve savings on utility costs, AWS calculates the right amount of water based on load weight. With each wash cycle, AWS automatically determines the weight of the load and adds precisely the right amount of water resulting in reduced water consumption and energy costs. The AWS is a software program built into the wash cycle and is available on Compass Control® and Exacta Control.



Energy saving



Water saving



Example: 35% water savings at half load

AWS: Automatic Weighing System

Electrolux Professional is above all Innovation and Sustainability.

Its Green Spirit is a concrete approach which involves each phase of the product life, with one single aim: to reduce the impact on the environment by means of innovative solutions which guarantee high energy efficiency, lower consumption and a remarkable reduction of CO₂ and NoX emissions, hazardous to the environment. Electrolux Professional confirms its choice to "think green" also at Host: its booth is the only one that obtained the Zero Impact® certification, the LifeGate project which reduces the CO₂ emissions and offsets them by creating new forests in Italy, Costa Rica and Madagascar.

