

Thinking of you

 **Electrolux**

**Environmental Declaration
for Products**



Products manufactured by Electrolux Laundry Systems

Water and energy consumption

When developing new products high priority is given to low consumption of water and energy.

The washer extractors are equipped with control systems that allow free programming of water levels and temperature. The washer extractor range launched 2007 make it possible to reduce the water consumption to 7,7 liter/kg load and 0,06 kWh/kg maintaining a good wash and rinse result. There is also water re-cycling options available to reduce the water consumption.

The tumble dryers have Residual Moisture Control as an optional feature. The RMC measures the exact moisture content in the linen and stops the drying at correct level. No risk for over drying and waste of energy.

The gas heated ironers use a unique heating system with ceramic burner which guarantees low energy consumption. The patented Dubixium™ cylinder provide an energy efficient work flow.

Laundry equipment manufactured by Electrolux Laundry Systems comprise the following product groups:

- Washer Extractors
- Tumble driers
- Hydro Extractors
- Ironers
- Barrier washers

The products in each group are built in accordance with a modular, which means that their various functions are designed and manufactured according to identical principles, regardless of size or capacity of the product. Manufacturing takes place in three separate factories, using identical manufacturing techniques. Because of this, all products can be brought together under a single environmental declaration where only the amount of material used in each product group varies due to product size.

The following applies to all product groups:

Manufacture

Takes place in factories that are certified in accordance with both quality system ISO 9001 and environmental management system ISO 14001. Manufacturing is carried out under strictly controlled conditions with a minimum amount of environmental impact. All painting and finishing is performed in a powder coating facility without solvents and using a fully enclosed rinse water system. All paints used are formaldehyde-free. Emissions to ground, water and air are below the limits set by official bodies by a comfortable margin. All waste from the manufacturing process is dealt with by a contracted recycling company.

Products' material composition

see table on page 4.

No materials based on cadmium, mercury or their salts are used, nor are bromated flame retardants PBB or PBDE.

For electrical and fire safety reasons, other halogenated flame retardants are used in certain plastic components in order to satisfy the requirements of the Low Voltage Directive.

Products' environmental impact

The products are designed to be used for many years of professional operation. This means that the use period is responsible for the greatest proportion of the product's environmental impact. Energy and water consumption, as well as noise levels, are specified on the product datasheet for each model.

Recycling

Representative LCA analyses show that the products are more than 90 % recyclable.

Products at the end of their service life are processed, at the expense of the supplier, by recycling companies who disassemble, fractionate, separate materials and return them for material production. To simplify materials recycling, all plastic components weighing more than 50 grams are marked in accordance with ISO 1043.

Packaging

Made from wooden pallets, cardboard and LLDPE plastic foil. Packaging is compliant with German standards DIN 55405 parts 2 and 3 for recyclability. Electrolux Laundry Systems Sweden AB is affiliated to the REPA register.

Distribution

Products are delivered by truck. Distribution companies employing a certified environmental management system are used.

Safety

Products are CE-marked and satisfy the requirements of:

- Machinery Directive 98/37/EEC
- Low Voltage Directive 73/23/EEC
- EMC Directive 89/336/EEC
- Gas Appliances Directive 90/396/EEC

In addition, all products are also S-marked.

Other technical data Shown on the product datasheet for each model

The product groups include the following models:

Washers Extractors

High spin: W455H, W465H, W475H, W4105H, W4130H, W4180H, W4240H, W4300H, W4400H, W4600H, W4850H, W41100H

Normal spin and medium spin: W475N, W4105N, W4130N, W4180N, W4250N, W4330, W4330N, W4130M, W4180M, W4250M

Manufacturer: Electrolux Laundry Systems Sweden AB, Ljungby

Country of manufacture: Sweden, Thailand

Washer-Dryer

WD4130, WD4240

Manufacturer: Electrolux Laundry Systems Sweden AB, Ljungby

Country of manufacture: Sweden

Tumble driers

T4130, T4130C, T4190, T4190C, T4250, T4290, T4300S, T4300LE, T4350, T4530, T4650, T4900, T41200

Manufacturer: Electrolux Laundry Systems Sweden AB, Ljungby

Country of manufacture: Sweden, Thailand

Spin driers

C240(R), C260(R), C290(R)

Manufacturer: Nielsen Steel Solution

Country of manufacture: Denmark

Barrier washers

WS/B3 4250 - 4350 - 4500 - 4650H

WP/PB 4700 - 4900 - 41100H, WB4130H, WB4180H

Manufacturer: Electrolux Laundry Systems France SNC, Troyes

Country of manufacture: France

Ironers

IB4 2310 - 2314 - 2316

IC4 3316 - 3320, IC4 4819 - 4825 - 4831 FFS,

IC4 4819 - 4821 - 4825 - 4828 - 4832 /R/LF/FR/FLF

IC4 6431 R/FFR/FFS, C-flex ironers

Manufacturer: Electrolux Laundry Systems France SNC, Troyes

Country of manufacture: France



Material content

	High spin drying washing machines	Standard spin drying washing machines	Tumble driers	Spin driers	Barrier washers	Industrial mangles
Stainless steel	19	22	8	65	50	20
Hot-dip galvanised sheet metal	50	27	70	9	5	5
Steel	6	12	5	3	20	38
Cast iron	11	17	4	7	2	38
Aluminium	7	9	2	3	2	2
Zinc	0,3	0,3	-	0,5	2	2
Brass	<0,1	<0,1	<0,1	0,3	2	3
Copper	1	3,7	4	3,5	3	5
EPDM rubber	1,3	1,4	-	-	2	-
Nitrile rubber	<0,1	<0,1	0,5	1	1	2
Electronics	1,9	3,3	3	3,5	8	5
Glass	1,0	1,3	1,3	-	1	-
Ceramic material	-	-	-	-	-	10
Plastic (polyester, pp, abs, amid)	1,1	1,9	2	3	2	5
PVC (in electrical cables)	0,1	0,2	0,2	0,1	0,2	0,2
Wood	-	-	-	-	-	-
Grease	<0,1	<0,1	<0,1	<0,1	<0,1	<0,1

*The table specifies the amount of that material type as a percentage of product weight.
Painted surfaces are powder coated using a high molecular epoxy polyester paint.*

Products manufactured by sub-contractors

of Electrolux Laundry Systems Sweden AB

Some of the products are manufactured by sub-contractors in accordance with requirements specifications set down by Electrolux Laundry Systems. In certain instances, the manufacturing processes employed by these sub-contractors are compliant with the ISO 9001 quality system and the ISO 14001 environmental management system. Regardless of whether the sub-contractor is certified, Electrolux Laundry Systems' (ELS) environmental policy is applied and follow-ups of both quality and environmental work are conducted by ELS during special audits. Manufacturing by sub-contractors is carried out under strictly controlled conditions with a minimum amount of environmental impact. Emissions to ground, water and air are below the limits set by official bodies by a comfortable margin.

Products' material composition

see table on page 7.

No materials based on cadmium, lead, mercury or their salts are used, nor are bromated flame retardants, i.e. PBB or PBDE. No substances listed on the Swedish Chemicals Agency's (KemI) restricted or watch lists are included in the products.

Products' environmental impact

When a product is in use, it has an impact on the environment simply by consuming electricity. Consumption data is shown on the product datasheet for each product, along with other technical data.

Recycling

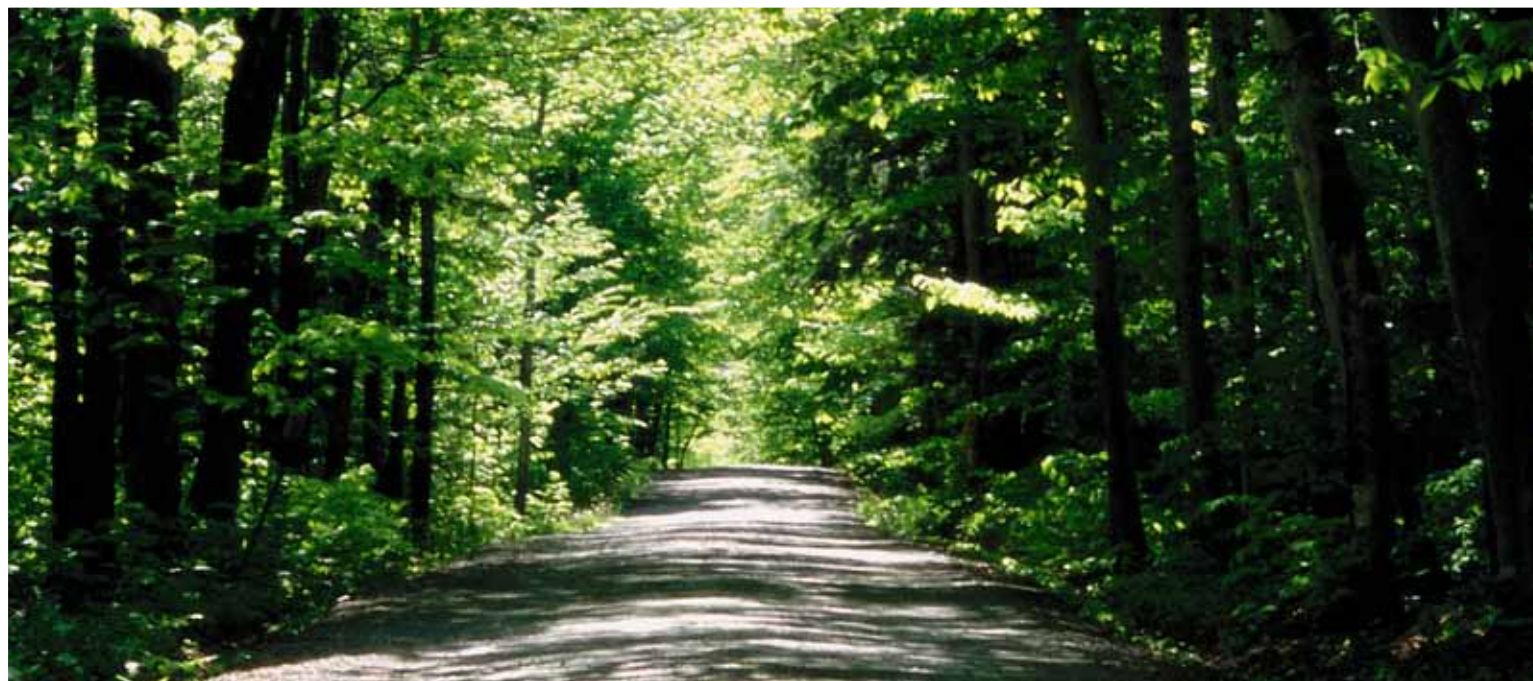
All products are more than 90 % recyclable. Constituent materials can be converted to raw materials for new material production by specialist recycling companies. NB Media in heating pumps must be processed by an officially accredited company. Information about this is available from ELS Service Department. Heating pumps form part of products TA 2002, TS4121LE, TS4180LE.

Packaging

Made from wooden pallets, cardboard and plastic foil. Packaging is compliant with German standards DIN 55405 parts 2 and 3 for recyclability. Electrolux Laundry Systems Sweden AB is affiliated to the REPA register.

Distribution

Products are delivered by truck. Distribution companies employing a certified environmental management system are used.



The product groups include the following models:

Drying cabinet

TS 4180, TS 4180 LE

Manufacturer: Teenexa Industri AB, Tingsryd

Country of manufacture: Sweden

Heating pump unit

for TS 4121 LE

Manufacturer: Teenexa Industri AB, Tingsryd

Country of manufacture: Sweden

Air dehumidifier

TA 2002

Manufacturer: Teenexa Industri AB, Tingsryd

Country of manufacture: Sweden

Drying cabinet

TS 460, TS 4121

Manufacturer: Nimoverken AB, Hova

Country of manufacture: Sweden

Cold ironer

KM 480

Manufacturer: Nimoverken AB, Hova

Country of manufacture: Sweden

Heater fan

Thermo Tork 6S

Manufacturer: Eveco AB

Country of manufacture: Sweden

Heater fan

HT400E, HT400V

Manufacturer: Lijjegrens AB

Country of manufacture: Sweden

Material content

	Drying cabinet TS 460, TS4121	Drying cabinet TS4180	Heating pump unit for TS4121LE, TS4180LE, TA2002	Heater fan Thermotork 6S	Heater fan HT400E, HT400V	Cold mangle KM480
Stainless steel	-	-	3	4	3	-
Galvanised steel/sheet metal 90		72	52	54	55	56
Steel, other	-	6	21	24	19	5
Cast iron	-	-	-	-	-	-
Aluminium	0,35	18	12	5	4	10
Zinc	-	-	-	-	-	-
Brass	-	-	-	-	0,5	-
Copper	0,7	0,3	8	5	6	2
EPDM rubber	1,1	0,06	0,2	1	1,5	-
Nitrile rubber	-	-	-	-	-	-
Electronics	3,5	0,6	1,2	5	4	5
Glass	-	-	-	-	-	-
Ceramic material	-	-	-	-	-	-
Plastic (polyester, pp, abs, amid)	2,5	0,3	0,5	1	1	2
PVC (in electrical cables)	0,1	0,06	0,2	1	1	0,2
Wood	-	-	-	-	-	16
Cardboard, paper	-	-	-	-	-	-
Textile fabric	-	-	-	-	-	3
Other	1,7	3	1,9	-	-	0,5
Coolant 407C	-	-	<1.2kg	-	-	-

*The table specifies the amount of that material type as a percentage of product weight.
Painted surfaces are powder coated using a high molecular epoxy polyester paint.*

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Environment

Being environmentally friendly is more than just a concern to us.

It means being truly conscious and totally committed to environmental issues at every stage of the industrial cycle, from design to manufacturing.

The ISO 14001 certification guarantees our long-term commitment.

Share more of our thinking at www.electrolux.com