

# Top class efficiency and high performance

ecostore Refrigerated Cabinets



# You talk...

Help my business reduce running costs and stop us having to throw away so much food because it's no longer fresh enough to serve. We need to ensure our food is safe but also reduction in energy consumption and the best food quality! Maximum hygiene and cleanability at the same time. The kitchen staff ask me unbeatable sturdiness and more stocking capacity!



# ...we listen

We have always considered customer insight first, introducing innovative technological solutions throughout the years, with dedication to reducing energy consumption and sustainability. We were the first to eliminate hazardous refrigerant gases from our appliances, develop smart electronics for total control, implement 75 mm or 90 mm thick insulation and obtain IP21 protection. The first cabinets with an incorporated handle were our invention.



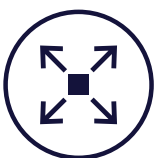
### Efficiency

Use up to **65%** less energy than standard cabinets.



### Performance

The perfect solution for the **best preservation** of your food.



### Capacity

On average, **50 liters more available space**, compared to equivalent cabinets in the market  
**Best-in-Class!**



### Hygiene

Hygiene and cleanability are no longer a concern.

# The customer always comes first



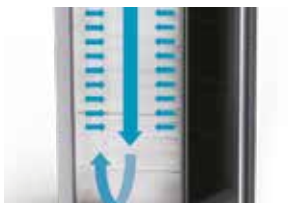
- ▶ **80% total savings**  
Electrolux Professional **ecostore<sup>HP</sup> Class A** Cabinets use up to 80% less energy\* than standard cabinets.  
The label complies with the delegated regulation (UE) 2015/1094 of the commission of 5<sup>th</sup> may 2015.



- ▶ **Wire-frame condenser**  
Clean-free to guarantee high performances at all times.



- ▶ **LCD Touch screen**  
Innovative touch display for easy and clear operation.



- ▶ **OptiFlow**  
Vertical and horizontal air circulation for **optimal temperature uniformity**.



- ▶ **Innovative air conveyors** provide excellent and fast **air distribution** and are **fully removable** to facilitate cleaning.



- **Rounded corners and removable stainless steel runners and supports** facilitate cleaning of internal chamber.



- **Maximum stability and flexibility**  
Can be mounted on stainless steel feet, swivelling wheels, concrete plinth or marine feet



**ecostore Premium:**  
the next generation  
of advanced digital  
electronics.

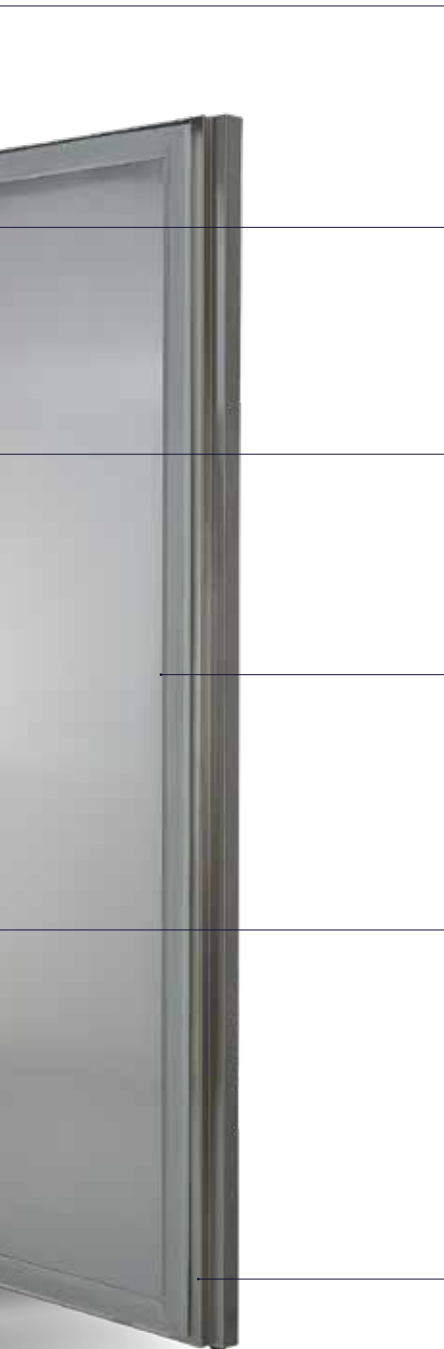


**ecostore Touch:**  
innovative touch screen  
for worry-free control



**ecostore:**  
intuitive digital control  
and hybrid design.

\* Best product in its category: the products shown on Topten.eu are the best products of their category in the market. This evidence on the Best Available Technology (BAT) was provided by policy makers, experts and researchers in their work regarding energy efficiency product most notably Energy Labels and Ecodesign requirements. Since 2009 Topten's work in favour of effective policy measures is supported by the European Climate Foundation (ECF).



■ **High efficiency components**

Low energy compressors, high surface evaporator and high efficiency fans.



■ **Hidden evaporator**

for maximum internal capacity.



▶ **Internal LED light**

The lowest energy consumption (internal neon light on glass door models).



▶ **IPX5 water protection**

Full frontal water-proof design.



■ **75mm or 90mm (for HP models) insulated walls** and the improved gasket design assure **low energy consumption**.



■ **Removable wide "balloon" profiled gasket**, with triple insulation area, provides an **excellent seal** thus **reducing heat dispersion**.

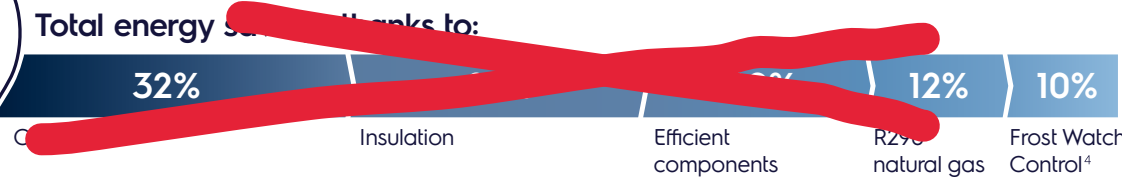


- Standard feature on all models
- ▶ Included feature on selected models

# Low energy consumption...



With the Electrolux Professional **ecostore<sup>HP</sup> Refrigerated Cabinets** you can cut your electricity bill by 80% and save up to 830 €/year by using only **350 kWh** in one year!\*



## 80% total savings

Electrolux Professional **ecostore<sup>HP</sup> Refrigerated Cabinets** use up to 80% less energy\* than standard cabinets thanks to the perfect combination of various innovative features:

- ▶ **OptiFlow**, the intelligent air circulation system which adapts to your load for the best cooling results and temperature uniformity.
- ▶ **75mm or 90mm thick cyclopentane insulation** of the Cabinet, 60mm thick insulation of the cooling unit and the unique design of the 3-chamber “balloon” profiled magnetic door gasket which provides triple insulation therefore reducing condensation and minimizing energy loss.
- ▶ **Highly efficient components**: low energy compressors, high surface evaporator and high efficiency fans.
- ▶ **Frost Watch Control<sup>4</sup>**, the intelligent automatic defrost which defrosts only when necessary thus saving energy.
- ▶ **R290 natural refrigerant gas** (Hydrocarbon) is more energy efficient than other refrigerants and reduces energy consumption by approximately 12% - thus reducing the effect on global warming. R290 is a less corrosive refrigerant gas which extends the life of the compressor and reduces maintenance costs.
- ▶ **CO<sub>2</sub> remote versions**  
 CO<sub>2</sub> is a natural refrigerant, safe for the environment. It is non-flammable, non-toxic and 20% more energy efficient\*, with a heat exchange 5 times higher\* than a standard HFC system. CO<sub>2</sub> is climate friendly, has no Ozone Depletion Potential and its Global Warming Potential is one.

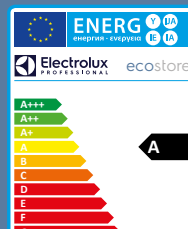
## HFC, HCFC & CFC free Cyclopentane foaming

Electrolux Professional Refrigerators and Freezers are foamed with cyclopentane, a hydrocarbon (HC) gas that does not damage the ozone layer, prevents the greenhouse warming effect and assures better performance.

(After 42 days from production, traditional foam becomes 18% less efficient than cyclopentane foaming).

## Save up to 830 €/year\*

Based on EU legislation labelling data, there is a savings of up to **830 €/year** when comparing an Electrolux Professional **ecostore<sup>HP</sup>** class A Cabinet with an equivalent class G cabinet.\*



updated R290 logo and removed text R600  
 added paragraph and note at bottom of page related to CO2 in remote versions

savings based on European Ecodesign data and obtained by comparing Class G freezers and refrigerators with equivalent Class A (energy cost of 0,21 €/kWh and net volume

complies with the delegated regulation /1094 of the commission of 5<sup>th</sup> may 2015.

	Energy efficiency class							Savings between class G and A (€/year)*
	A	B	C	D	E	F	G	
Freezer Cabinet	124	207	290	415	622	705	954	830
Refrigerated Cabinet	45	75	106	151	226	256	347	300

\*comparison based on a cooling circuit using HFC R404A, among the best refrigerants used in refrigeration. Specific remote models available on request.

# ...and the highest efficiency

Maximum reduction in energy consumption and the best food quality!

## ~~Frost Watch Control<sup>4</sup>~~

~~**ecostore Touch** saves energy by defrosting only when necessary. Frost Watch Control<sup>4</sup> is a patented algorithm\* which elaborates information either from the 4 probes installed or from the built-in memory based on the usage of the unit (number of door openings, duration of door opening, etc.) reducing the number of needed defrost cycles. The defrost cycle is activated only when there is ice build-up in the evaporator and terminates as soon as the ice has melted.~~

## Frost Watch Control

The advanced electronics in **ecostore Premium** models automatically calculate when the defrost cycles should be activated. An intelligent algorithm calculates when defrosting is necessary according to the set times and how often the door is opened. Less door openings result in fewer defrost cycles and greater energy savings.

## Eco defrost<sup>\*\*</sup>

Improved defrost and evaporator fan management for up to 15% in energy savings. The defrost type changes based on the temperature set point:

- ▶ below +2 °C uses electric defrost
- ▶ above +2 °C uses air convection defrost

## Automatic evaporation defrost water

Obtained from hot gas coming from the compressor rather than from heating elements, resulting in less energy consumption (remote models excluded).



\*Patent number EU-1070925

\*\* On **ecostore Touch** and **ecostore Premium** models

# OptiFlow

The intelligent air circulation system which adapts to your load for the best cooling results and temperature uniformity.

## What is OptiFlow?



OptiFlow assures air passes between the shelves as well as over the stored items, resulting in optimal temperature uniformity and increased savings in energy consumption.

## How?

In standard cabinets, powerful fans are needed in order to move the air throughout the internal cabinet thus consuming a large amount of energy. The more resistance in the air's path, the more energy is consumed.

In the **ecostore** Refrigerated Cabinets\*, the shape of the condenser has been developed to minimize resistance in the passage of the air, reducing its depth, thus guaranteeing the best cooling results.



## Temperature uniformity

- ▶ A combination of vertical and horizontal air circulation for optimal temperature uniformity.
- ▶ Improved air flow thanks to the flat front and back surfaces.
- ▶ New removable air conveyors guarantee excellent and fast air distribution.
- ▶ Efficient operation is assured even when shelves are fully loaded.

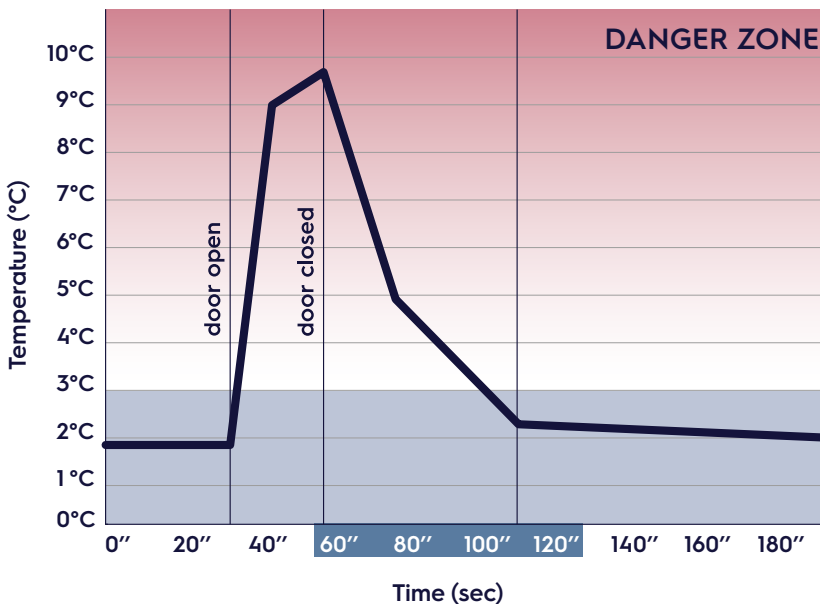


# Best-in-class performance



The high quality of your food will not be compromised! Electrolux Professional Refrigerators are the perfect solution for the best preservation of your food.

In **less than 60 seconds** after closing the door, the temperature of the ecostore Refrigerated Cabinet (set at +2°C) will return to the safe zone (+3°C).



## Food preservation

Maintaining a high quality of food is not a simple matter, especially in professional kitchens where the doors of the refrigerators are opened and closed repeatedly during the day, causing temperature variations (the main cause of bad preservation of fresh food). Electrolux Professional Refrigerators guarantee high performance in food maintenance thanks to their ability to rapidly return to a safe temperature, keeping it out of the danger zone (even with frequent door openings and a high ambient temperature).



## Do you notice the difference?

Between vibrant colored food preserved in a new Electrolux Professional **ecostore** Refrigerated Cabinet..

... or discolored stale food preserved in a standard refrigerated cabinet



## Which do you prefer?

Slow temperature recovery and bad humidity control are the main causes in the loss of organoleptic properties and food texture.

This is an example of the appearance of food after conservation in two different refrigerators, a new Electrolux Professional ecostore Refrigerated Cabinet versus a standard refrigerated cabinet

# Unbeatable sturdiness and stocking capacity!



Thanks to their new design, the Electrolux Professional ecostore Refrigerated Cabinets provide, on average, **50 liters** more available space, compared to equivalent cabinets in the market

## Maximum storage in a compact footprint

- ▶ 670 liter capacity in 0,58 m<sup>2</sup>.
- ▶ 50 liters more available space.
- ▶ Increased available space minimizes running costs per liter.
- ▶ Maximum internal space is recovered, thanks to the hidden evaporator and the new component layout.
- ▶ 44 grid level positions available for increased loading capacity (can support 40 kg per grid).
- ▶ Suitable for GN 2/1 containers and pastry trays 600x400 mm (with an optional accessory).

## Exceptional sturdiness

- ▶ Internal and external full AISI 304 stainless steel construction (on selected models).
- ▶ Stainless steel feet for maximum stability.
- ▶ Runners and supports in stainless steel.
- ▶ 75 mm insulated chamber for the best performance.
- ▶ Rigorous quality tests performed to guarantee long life:

Cabinets are pulled fully loaded in order to test the strength and resistance of the feet

Specific tests performed on the door (opening/closing) to verify its durability and the seal of the gasket

Transportation tests guarantee the resistance of the packaging in order to avoid damaging cabinets during transport



# Maximum hygiene and cleanability



With the new Electrolux Professional ecostore Refrigerated Cabinets, hygiene and cleanability are no longer a concern.



Removable air conveyors\*



Removable runners, support and grids

## Fully removable internal components

Air conveyors, runners, supports and grids are removable without tools for more convenient cleaning operations.



Removable magnetic door gaskets



Clean-free condenser

## Hygiene and cleanability

- ▶ Easily removable “balloon” profiled magnetic door gasket
- ▶ Clean-free wire frame condenser (WFC) guarantees high performances at all times (on selected models).



Stainless steel door handle



Frontal access to components

- ▶ Door handle entirely in stainless steel, without joints, avoids dust and dirt collection.
- ▶ Self-standing front panel for easy access to internal components.
- ▶ Inner cell with rounded corners.
- ▶ Water-safe front panel (IPX5 protection) allows fast cleaning of the external surfaces.\*
- ▶ Bottom panel in non-corrosive material resistant to aggressive detergents and water jets.
- ▶ Bottom panel made of a single, pressed sheet with minimal joints between side and bottom panels. (less than 0,5mm).



Inner cell with rounded corners



IPX5 water protection\*

\* on ecostore Touch and ecostore Premium models

# ecostore Touch



Innovative LCD touch screen display for easy and clear operation. Just choose the food category and the new ecostore Touch will do the rest.



## ecostore Touch

will guide you through the 4 main work areas (Category, Manual, Settings and HACCP) in addition to the Turbo Cooling and Manual Defrost features.



### 1. Category mode

5 pre-set food categories, just select the correct category for your specific food load and ecostore Touch will adjust all parameters automatically.



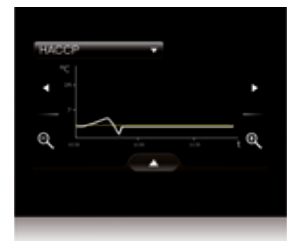
### 2. Manual mode

For a precise setting of temperature and humidity level according to specific user requirements. Possibility to personalize and store programs.



### 3. Settings mode

Modify and personalize parameters according to your needs. Change the language, set date and time, modify parameters, check the probe temperatures, plus much more.



### 4. HACCP control area

Continuously checks and registers operating temperature and eventual anomalies. A graph will display the operating status and any peaks or drops in temperature. Data can be downloaded via USB.

# ecostore Premium

The **next** generation of advanced digital electronics in Refrigerated Cabinets.



## Large white digital display

clearly visible at a distance.

## Frost Watch Control

Intelligent defrost for energy savings. Advanced electronics automatically calculate when the defrost cycles should be activated thus resulting in fewer defrost cycles and greater energy savings.

## 3 probes

for continuous check of external temperature, internal temperature and condenser operation.



## Visible alarm status

Should there be an alarm, the LED light will turn "red", the alarm code will appear on the display and an audible alarm will sound. The audible alarm will continue until it is manually turned off by the operator by a simple "press" on the alarm icon. The light will turn off only after the malfunction has been resolved.



**Humidity control**  
Manually set 3 different levels of humidity (LOW, MEDIUM, HIGH) within the chamber according to your needs.



**History button**  
The temperature of the internal cavity is measured every 24 hours from the start-up time. The registered temperatures are stored for up to 2 months and can be visualized if needed.



**Program and set buttons**  
Used to store and set desired operating parameters.



**Turbo Cooling**  
Useful when there are frequent changes in the types of food loaded. The compressor will remain in constant operation regardless of the set temperature.



**Manual defrost button**  
Should extra defrost cycles eventually be necessary.

# ecostore



Simple and easy to use digital control.  
Temperature and defrost setting at the touch of a button!



## Total control of your ecostore Cabinets using 4 simple buttons



**PRG/MUTE**  
Set the service parameters or mute the audible alarm.



**ON/OFF button. "UP"**  
To increase temperature.



**SET**  
Set internal cavity temperature and technical parameters.



**MANUAL DEFROST**  
Activates the defrost cycle. "DOWN"  
To decrease temperature.



## Clear LED display of operational status icons and internal temperature



**COMPRESSOR**  
ON when the compressor starts.



**DEFROST**  
ON when the defrost cycle is activated.



**FAN**  
ON when the fan starts.



**ALARM**  
FLASHES in the event of alarms during normal operation (high/low temperature).



**AUXILIARY** (if present)  
ON when auxiliary output selected as AUX is activated.



**SERVICE**  
FLASHES in the event of malfunctions.

# Peace of mind

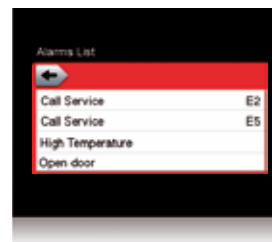
## ecostore Touch: no worries, no hassles...

By touching the display, the technician can view the log list which will indicate the type of error, when it occurred and how long it lasted.

The audible alarm will continue to sound until it is manually turned off by simply "pressing" on the alarm icon.

If the audible alarm is turned off, the display will continue to show the visible alarm until the problem is resolved.

When resolved, the red LED light will turn off indicating normal operation status.



Door open



Call service



High temperature



Low temperature

## Clearly visible alarm icons



ecostore Touch	•	•	•	•	
ecostore Premium	•	•	•	•	
ecostore	•				•

# A complete range



## ecostore<sup>HP</sup> Touch



1 full door

## ecostore<sup>HP</sup> Premium



1 full door

## ecostore<sup>HP</sup>



1 full door

Gross capacity - lt	670	670	670
LCD Touch screen display	x	x	x
Internal light	LED	LED	LED
Operating temperature at 43 °C	-2/+10 °C or -15/-22 °C	-2/+10 °C or -15/-22 °C	-2/+10 °C or -15/-22 °C
Refrigerant	R290	R290	R290
Cyclopentane insulation	x	x	x
Defrost type	Frost Watch Control <sup>4</sup>	Frost Watch Control	Automatic
External and internal panels in AISI	304	304	304
External dimensions - mm (wxdxh)	740x861 x2080	740x885 x2080	740x860 x2080
Energy class	A (Refrigerated) or C (Freezer)	A (Refrigerated) or C (Freezer)	B (Refrigerated) or C (Freezer)

## ecostore Touch



1 full door



2 full doors

Gross capacity - lt	670	1430
LCD Touch screen display	x	x
Advanced digital display	n.a.	n.a.
Internal light	LED	LED
Operating temperature at 43 °C	-2/+10 °C or -15/-22 °C	-2/+10 °C or -15/-22 °C
Dual temp. operation at 43 °C	n.a.	n.a.
Remote cooling unit	n.a.	n.a.
Refrigerant	R290	R290
Cyclopentane insulation	x	x
Defrost type	Frost Watch Control <sup>4</sup>	Frost Watch Control <sup>4</sup>
External and internal panels in AISI	304	304
Version with UK plug and wheels	n.a.	n.a.
External dimensions - mm (wxdxh)	710x837 x2050	1441x837 x2050

removed text related to R134a and R404a gases



### ecostore Premium



1 full door



2 full doors



2 - 1/2 doors



1 full door &  
2 - 1/2 doors



4 - 1/2 doors

Gross capacity - lt	670	1430	670	1430	1430
LCD Touch screen display	n.a.	n.a.	n.a.	n.a.	n.a.
Advanced digital display	x	x	x	x	x
Internal light	LED	LED	LED	LED	LED
Operating temperature at 43 °C	-2/+10 °C or -15/-22 °C	-2/+10 °C or -15/-22 °C	-2/+10 °C or -15/-22 °C	n.a.	-2/+10 °C or -15/-22 °C
Dual temp. operation at 43 °C	n.a.	-2/-2 °C or -2/-22 °C	-2/-2 °C or -2/-22 °C	-2/-22 °C or -2/-6 °C (Fish)	n.a.
Remote cooling unit	x	x	x	n.a.	n.a.
Refrigerant	R290	R290	R290	R290	R290
Cyclopentane insulation	x	x	x	x	x
Defrost type	Frost Watch Control	Frost Watch Control	Frost Watch Control	Frost Watch Control	Frost Watch Control
External and internal panels in AISI	304	304	304	304	304
Version with UK plug and wheels	x	x	x	n.a.	n.a.
External dimensions - mm (wxdxh)	710x837 x2050	1441x837 x2050	710x837 x2050	1441x837 x2050	1441x837 x2050

### ecostore Premium



1 glass door



2 glass doors

removed texts related to R134a and R404a gases

Gross capacity - lt	670	1430
LCD Touch screen display	n.a.	n.a.
Advanced digital display	x	x
Internal light	LED	LED
Operating temperature at 43 °C	+2/+10 °C or -15/-20 °C (at 32 °C)	+2/+10 °C or -15/-20 °C (at 32 °C)
Dual temp. operation at 43 °C	n.a.	n.a.
Remote cooling unit	n.a.	n.a.
Refrigerant	R290	R290
Cyclopentane insulation	x	x
Defrost type	Frost Watch Control	Frost Watch Control
External and internal panels in AISI	304	304
Version with UK plug and wheels	x	x
External dimensions - mm (wxdxh)	710x837 x2050	1441x837 x2050

updated product images of  
ecostore models with new  
membrane

ecostore



1 full door



2 full doors



2 - 1/2 doors

Gross capacity - lt	670	670	1430	1430	670	670
Digital display	x	x	x	x	x	x
Internal light	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Operating temperature at 43 °C	-2/+10 °C or -15/-22 °C	0/+6 °C, -2/+10 °C or -15/-22 °C	-2/+10 °C or -15/-22 °C	0/+6 °C, -2/+10 °C or -15/-22 °C	-2/+10 °C or -15/-22 °C	n.a.
Dual temp. operation at 43 °C	n.a.	n.a.	-2/-2 °C or -2/-22 °C	n.a.	-2/-2 °C or -2/-22 °C	n.a.
Remote cooling unit	x	n.a.	x	x	n.a.	n.a.
Refrigerant	R134a/R404a/ R290	R290	R134a/R404a/ R290	R290	R134a/R404a/ R290	R290
Cyclopentane insulation	x	x	x	x	x	x
Defrost type	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
External and internal panels in AISI	304	430	304	430	304	430
Version with UK plug and wheels	x	x	x	x	x	x
60Hz version	x	x	x	x	x	x
External dimensions - mm (wxdxh)	710x837 x2050	710x837 x2050	1441x837 x2050	1441x837 x2050	710x837 x2050	710x837 x2050

removed text related to  
R134a and R404a gases  
on models in 430 AISI

ecostore



1 full door &  
2 - 1/2 doors



4 - 1/2 doors



1 glass door



2 glass doors

Gross capacity - lt	1430	1430	670	670	1430	1430
Digital display	x	x	x	x	x	x
Internal light	n.a.	n.a.	LED	LED	LED	LED
Operating temperature at 43 °C	n.a.	-2/+10 °C or -15/-22 °C	+2/+10 °C or -15/-20 °C (at 32 °C)	+2/+10 °C (at 32 °C)	+2/+10 °C or -15/-20 °C (at 32 °C)	+2/+10 °C (at 32 °C)
Dual temp. operation at 43 °C	-2/-6 °C (Fish)	n.a.	n.a.	n.a.	n.a.	n.a.
Remote cooling unit	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Refrigerant	R134a	R134a/R404a	R134a/R404a/ R290	R290	R134a/R404a/ R290	R290
Cyclopentane insulation	x	x	x	x	x	x
Defrost type	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
External and internal panels in AISI	304	304	304	430	304	430
Version with UK plug and wheels	n.a.	n.a.	x	x	x	x
60Hz version	n.a.	n.a.	x	x	x	x
External dimensions - mm (wxdxh)	1441x837 x2050	1441x837 x2050	710x837 x2050	710x837 x2050	1441x837 x2050	1441x837 x2050





# Essentia Teamed to serve you. Anytime, anywhere

Essentia is **the heart of superior Customer Care**, a dedicated service that ensures your competitive advantage. Provides you with the support you need and takes care of your processes with a **reliable service network**, a range of tailor-made exclusive services and innovative technology.

You can count on more than **2,200 authorized service partners**, **10,000 service engineers** in more than **149 countries**, and over **170,000 managed spare parts**.

## Service network, always available

We stand ready and committed to support you with a **unique service network** that makes **your work-life easier**.

## Service agreements, you can trust

You can choose from **flexible tailor-made service packages**, according to your business needs, offering a variety of maintenance and support services.

## Keep your equipment performing

Undertaking correct maintenance in **accordance with Electrolux Professional Manuals** and recommendations is essential to avoid unexpected issues. **Electrolux Professional Customer Care** offers a number of **tailor-made service packages**. For more information contact your preferred Electrolux Professional **Authorized Service Partner**.





Excellence is central to everything we do.  
By anticipating our customers' needs, we strive for  
Excellence with our people, innovations, solutions and services.  
To be the OnE making our customers' work-life easier,  
more profitable – and truly sustainable every day.

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## Excellence with the environment in mind

- ▶ All our factories are ISO 14001-certified
- ▶ All our solutions are designed for low consumption of water, energy, detergents and harmful emissions
- ▶ In recent years over 70% of our product features have been updated with the environmental needs of our customers in mind
- ▶ Our technology is RoHS and REACH compliant and over 95% recyclable
- ▶ Our products are 100% quality tested by experts

