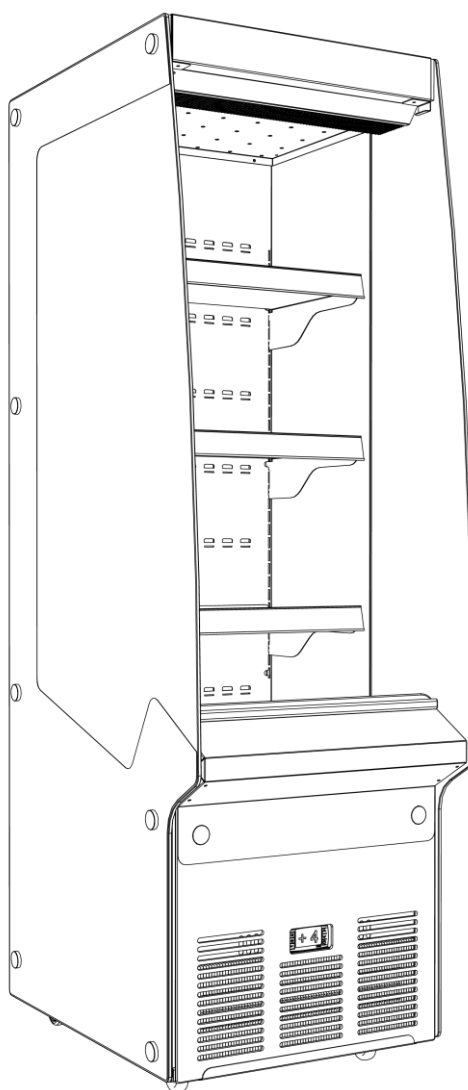




Aste

AVO

series™



Harmony Collection

135-50, 135-60, 135-87, 135-90, 170-54

User Manual

January 2015

Congratulations on the purchase of your new Aste premium cooler!

Our passion is to design products with complete devotion in quality and positive user experience. For the best results we demand You to familiarize with this user manual with care. Even though this fine product has been designed with great spirit and guts, it is important to use and maintain your cooler correctly.

On behalf of a Blue Team of Aste

A handwritten signature in black ink, appearing to read 'Jussi Salonen'.

Jussi Salonen
CEO, founder
Aste Finland Oy

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General

The appliance has a 1 (one) year guarantee that covers the materials used in its production and any manufacturing defects. The guarantee does not cover damage arising from incorrect installation or usage. The appliance should be located in a spot where the temperature does not exceed +25 C and the relative humidity is no more than 60%.

Environmental Policy

The basic is to consider the environment throughout the whole lifetime of our products; from design process through production till the final recycling.

Environmental policy includes the following aspects:

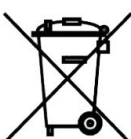
- We design energy efficient products
- Products are designed to use natural, environment friendly refrigerants (R600, R290)
- Materials used on production are recyclable whenever possible
- We aim utilize recycled materials whenever possible
- Our products are packed with easily recyclable materials that support the sustainable development
- Our target on production is the minimizing, sorting and utilization of waste
- We aim to maximize the energy efficiency of our production
- Our suppliers are evaluated by the consideration of environmental aspects

We explore continuously the economical and effective use of new environmentally friendly materials on our products and production. Our target is to minimize the use of nonrenewable natural resources.

We believe that considering of sustainable development when choosing materials and energy consumption brings the most benefit to us and our customers now and in the future.



Note: Look after your environment! The packaging materials used for the appliance are 100% recyclable materials.



Note: When you finally stop using the appliance, take the product to inappropriate recycling point.

Start- Up

1. Check that the packaging and appliance are intact. Check the external condition of the packaging and the appliance when you remove the appliance from its packaging. Notify the vendor as soon as possible of any problems with the packaging or the appliance.
2. Lift the appliance correctly. The product may be lifted, when necessary, from its base. Do not lift from side glasses!
3. Correct positioning of the appliance. The appliance is designed to be used on an even surface indoors. Avoid placing the appliance in direct sunlight!
4. Clean the appliance externally and internally using a soft, lint-free cloth. Don't use detergents that contain abrasive ingredients. Use mild detergents such as washing-up liquid. Dry the appliance carefully with a lint-free cloth.
5. Checking the air inlet. Make sure that the air inlets at the bottom of the appliance are not covered.
6. Connecting to a power supply. Connect the appliance to an earthed socket (10 A, 220-240/50Hz) using the power cable supplied. Avoid using extension leads.
7. Operating the appliance for the first time. When connecting the appliance to the mains current, check that the appliance starts up correctly and that cold air starts to flow from the *airduct*. Using the electronic temperature control, you can check that the temperature has started to fall.
 - Electrical temperature controller is placed behind the front grill

Usage

Night Cover

Night cover may not be released freely from top position. Always release the night curtain down position guided by hands.

Electronic Controller

When the appliance is connected to the mains current, the electronic temperature control shows the temperature of the appliance at that moment. The temperature is always displayed while the appliance is connected to the mains. Adjust the appliance to the desired temperature by pressing the SET-button for 3 seconds, after which the display will show the desired temperature at that moment and the small C-sign will start to flash.

Select the desired temperature - **UPWARD ARROW (WARMER)** or **DOWNWARD ARROW (COLDER)**. The default temperature for the appliance has been set in the factory at +5 C.

Filling

Caution: Never pour products into the appliance!

Never pour products into the appliance! The best way to fill the appliance is by stacking products systematically. Before transferring new items into the appliance, make sure that their temperature does not exceed +25 C. It is recommended that you do not add any items above the level of the air duct, because the temperature rises quickly above this level.

Maintenance

Always disconnect the appliance from the mains before cleaning! When necessary, clean the surfaces of the appliance using a soft, lint-free cloth. For cleaning, use mild detergents that do not contain abrasive ingredients. Dry the appliance carefully with a lint-free cloth. When necessary, clean around the appliance (removing dust, paper, grit, etc.).

Intended Use

The appliance is designed for storing and cooling packaged food and drinks. Take note of the required storage temperatures for different items of food and drink. Use of the appliance for other purposes is not recommended without consulting the manufacturer.

Technical information

Product AVO 135-50

Net weight	83 kg
Gross volume	143 l
Net volume	120 l
External dimension h, w, d	1350 x 495 x 700
Internal dimension h, w, d	780 x 435 x 370
Power input	480W (220-240V, 50 HZ)
Defrosting.....	Automatic
Inner light	LED 2 pcs
Compressor.....	Cubigel TB12
Refrigerant	R290 ,140g
Evaporator.....	Finned coil evaporator
Condenser.....	Finned coil condenser
Temperature control	Electronic thermostat

Temperatures

Average temperature.....	+1...+6 °C (factory setting)
Operating conditions MIN.....	+10°C
Operating conditions MAX (65%RH)	+25°C

Product AVO 135-60

Net weight	91 kg
Gross volume	158 l
Net volume	133 l
External dimension h, w, d	1350 x 595 x 700
Internal dimension h, w, d	780 x 535 x 370
Power input	480W (220-240V, 50 HZ)
Defrosting.....	Automatic
Inner light	LED 2 pcs
Compressor.....	Cubigel TB12
Refrigerant	R290 ,140g
Evaporator.....	Finned coil evaporator
Condenser.....	Finned coil condenser
Temperature control	Electronic thermostat

Temperatures

Average temperature.....	+2...+7 °C (factory setting)
Operating conditions MIN.....	+10°C
Operating conditions MAX (60%RH)	+25°C

Product AVO 135-87

Net weight	~115 kg
Gross volume	230 l
Net volume	215 l
External dimension h, w, d	1350 x 865 x 700
Internal dimension h, w, d	780 x 805 x 370
Power input	480W (220-240V, 50 HZ)
Defrosting	Automatic
Inner light	LED 2 pcs
Compressor	Cubigel TB12
Refrigerant	R290 ,140g
Evaporator	Finned coil evaporator
Condenser	Finned coil condenser
Temperature control	Electronic thermostat

Temperatures

Average temperature	+2...+7 °C (factory setting)
Operating conditions MIN	+10°C
Operating conditions MAX (60%RH)	+25°C

Product AVO 135-90

Net weight	~115 kg
Gross volume	240 l
Net volume	225 l
External dimension h, w, d	1350 x 895 x 700
Internal dimension h, w, d	780 x 835 x 370
Power input	480W (220-240V, 50 HZ)
Defrosting	Automatic
Inner light	LED 2 pcs
Compressor	Cubigel TB12
Refrigerant	R290 ,140g
Evaporator	Finned coil evaporator
Condenser	Finned coil condenser
Temperature control	Electronic thermostat

Temperatures

Average temperature	+2...+7 °C (factory setting)
Operating conditions MIN	+10°C
Operating conditions MAX (60%RH)	+25°C

Product AVO 170-54

Net weight	105 kg
Gross volume	267 l
Net volume	203 l
External dimension h, w, d	1700 x 510 x 700
Internal dimension h, w, d	1090 x 505 x 460
Power input	480W (220-240V, 50 HZ)
Defrosting.....	Automatic
Inner light	LED 4 pcs
Compressor.....	Cubigel TB12
Refrigerant	R290 ,140g
Evaporator.....	Finned coil evaporator
Condenser.....	Finned coil condenser
Temperature control	Electronic thermostat

Temperatures

Average temperature.....	+2...+7 °C (factory setting)
Operating conditions MIN.....	+10°C
Operating conditions MAX (60%RH).....	+25°C

Contact Us

Aste Finland Oy is a Finnish company specialized on premium cooler solutions for our Customers' brands. We provide wide range of research and development (R&D) services integrated to highly evolved modular production. All our Customers can always enjoy selected after sales services for maintenance, sourcing and fast spare part deliveries on European markets.

Customer Service

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