

KATEK

Lead the category

steca
A KATEK Brand



Your advantages and benefits Steca PF 166-H | PF 240-H



Photo source: Steca Newsletter August 2020
„Steca refrigerators and freezers in Senegal“

Features

Description

Advantages / Benefits

Energy / environmentally friendly

Energy efficiency
variable speed refrigeration compressor

Power on demand: If, for example, high performance is required in a high inner temperature, the freezer starts up with maximum power. If the interior cools down after a short time, the DC compressor also shifts down several gears. The intelligent electronics constantly compare the interior temperature with the set desired temperature and readjust with minimum energy consumption. The result: the performance is always adapted to the current situation and the interior temperature is kept stable with little energy input.

All refrigerators and freezers are filled with the refrigerant R290 and meet the legal requirements for greenhouse gases. The natural refrigerant R290 has a GWP (global warming potential) of 3, R134a has a GWP of 1400. From January 1st 2022, no household refrigerator may be sold with a GWP of more than 150.

Contrary to stecca variable speed compressor a fixed speed ON/OFF compressors are always operating at full-throttle. In this case the surplus of energy is being wasted.

60Wh/day, reduced power costs - no loss of energy through running unloaded.

Reduced power surges - avoid peak currents from compressor starting: the battery is handled gently.

Energy efficient - save 30% of the energy compare to a typical fixed speed compressor. Precise electronic control - motor speeds can be slowed down, brought to a halt or revved up.

Configuration of the peripheral devices like PV and battery reduced to the minimum.

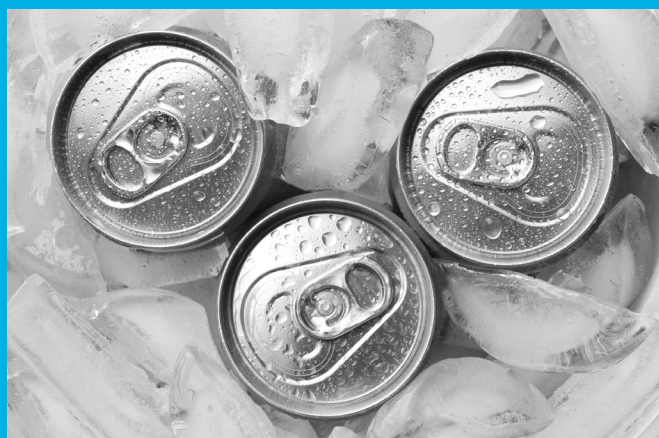
The perfect foaming of the housing ensures that the chest freezers have the necessary cold reserves even at high ambient temperatures.

The better the insulation, the longer the frozen food stays fresh even without electricity.

The frozen food is still safe from spoilage for up to 3 days despite of battery failure.

Thermal insulation

The insulation consists of 70-mm-thick, HFC-free polyurethane foam. Double lid insulation and jointless foam insulation.



+40°C and ice cubes?

No problem for the Stecca freezer

Global LEAP Award Winner 2019



We have specialized in developing and producing high-quality refrigerators and freezers displaying premium quality and top design.

The Global LEAP Awards, an initiative of the Efficiency for Access Coalition with support from UK Aid and Power Africa, are an international competition that identifies and promotes the worldwide best and most energy-efficient off-grid refrigerators for their compatibility with off-grid solar systems. "This award is motivation for us and confirmation that we are making an important contribution to climate protection with our products and are ensuring a better quality of life for people in the entire world".



Features

Cooling

Environmentally friendly coolant

Description

Climate-friendly natural coolant R290.

Advantages / Benefits

Use of a high performance natural coolant, which does not damage the ozone layer and has practically no effect on global warming.

Climate class SN-T

Ambient temperature range in which the appliance will be able to maintain the necessary inner temperatures. SN-T (tropical) ambient temperature up to 43°C.

Can be used in all sorts of climate zones ranging from cold to hot and humid: excellent insulation. Viscosity of compressor oil remains steady and unaffected by external temperatures ensuring a long life cycle of the compressor.

Autonomy period without power

Long self autonomy in case of energy interruption and uncharged battery.

Preservation of goods up to 3 days without energy.

Design

Digital temperature setting and display

Embedded in the handle opening.

Optimal overview, perfect readability, the user can monitor the condition of the freezer.

Patented pressure equalisation

Equalisation system preventing a vacuum in the fridge.

The innovation StopFrost and pressure equalisation system have following decisive advantages: Firstly, the frequency of defrosting is reduced as the frosting of the freezer department and its content is substantially minimized. Secondly, the opening and closing of the freezer can be done effortlessly as the build up of a vacuum is eliminated.

One piece steel case for body and lid

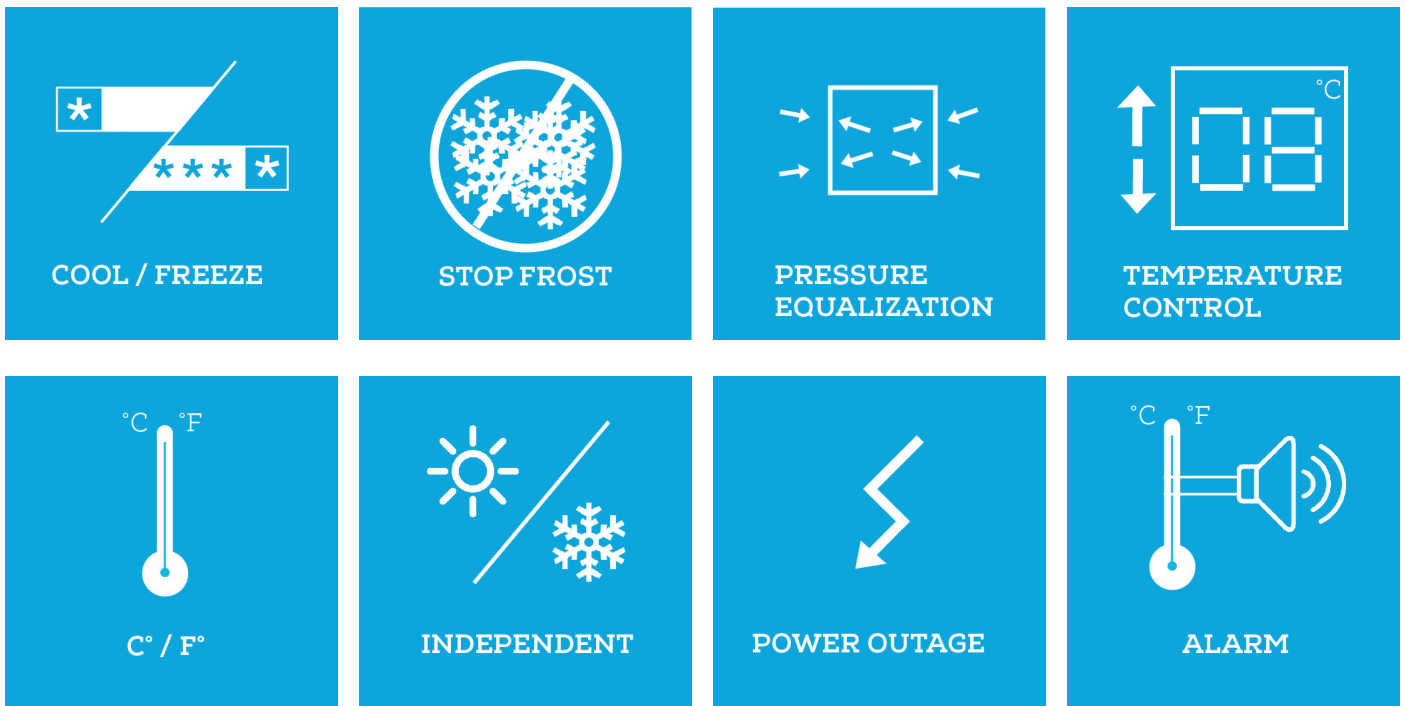
Gives a very smooth design without any sharp edges or corners.

For hygienic purpose and user protection in an attractive modern design.

Features	Description	Advantages / Benefits
Design Commercial-grade polystyrol inner liners are moulded in one piece with curved corners	Hygiene is a major factor in all areas where quantities of food are used every day.	The interior corners are rounded for easy cleaning.
Hanging baskets	Tough high-quality baskets provide a clear view of the goods presented.	Suspended baskets to clearly present and display goods.
Lighting	LED Lighting for long lifespan, energy efficiency, instantaneous Turn On, environmentally safe, operate on very low voltage.	Visibility even in dimly illuminated rooms.
Castors, mobile use	Sturdy twin swivel castors tough and smooth running. 64 h vibration test passed, the chest can be tilted by 30° for a short time, very high mechanical stability.	For easy maneuverability and very high mechanical stability.
Interlocking	Key lock conveniently installed.	Lid locks fitted to protect goods inside from unauthorised access.

excellent
quality





Features

Description

Advantages / Benefits

Functionality

Freezer or Refrigerator

Two operating modes. One unit - two functions.

Giving added flexibility to respond according to application priorities using either the freezer or refrigerator mode.

Electronics for precise temperature stability

Optimal electronic control, precise temperature stability and large digital display with setting options.

Display embedded in the handle opening for perfect readability. fully programmable. The inside temperature and each of the other configuration values can be set by the user.

User standard °C/°F settings and Hidden menu for full system control.

Temperature alarm

Automatic acoustic alarm in case of temperature raising.

No waste of goods checking and preventing the contents from defrosting.

Power outage display

Displaying the highest temperature and time reached during a power outage.

Easy checking whether contents are good or spoiled.

Noise level

The compressor matches its speed to the required power.

The freezer runs a lot quieter.

Security

Protections

Wrong polarity protection.

Device cannot be damaged through wrong connection and reverse currents.

Low voltage disconnection (LVD). Automatic reconnection after LVD.

Preventing lead acid battery from being deeply discharged is absolutely key in terms of ensuring battery longevity.

Certifications

CE, EMV, RoHs, WEEE, REACH, Made in EU under ISO 9001 and 14001