



Thermoelectrics

Low-cost, light-weight, versatile

Inexpensive coolers for private and professional use

Thanks to their low weight, thermoelectric coolers are particularly easy to carry and transport. Their astonishing cooling capacity of up to 30°C below the ambient temperature is more than sufficient for most purposes, including car journeys, camping or picnics.

Thermoelectrics offer a welcome bonus: most of the coolers equipped with this wear- and maintenance-free technology can be used for both cooling and heating. Cost-efficient and reliable, thermoelectric energy is “just right” for small and medium-size portable coolers as well as for car coolers.

Here’s how thermoelectrics work

The thermoelectric principle is based on the fact that energy in the form of cold or heat is generated when the connection between different types of metals is linked to a direct current (DC) power source.

The heating or cooling function can be intensified using heat exchangers and air fans.

 <p>Active battery security Prevents discharging of the vehicle battery below starting level</p>	 <p>Heats & cools Simple switch-over from cooling to heating mode thanks to thermoelectrics</p>	 <p>Universal power supply 12/24 volts DC (cigarette lighter) or 230 volts AC (mains)</p>	 <p>Cooling capacity The appliance provides cooling in the specified temperature range</p>
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HIGHLY EFFECTIVE INSULATION

TropiCool coolers owe their outstanding refrigeration performance not only to the intelligent technology but also to a highly effective insulation.

THE MAGNETIC SWITCH

To prevent energy loss, the interior fan is switched off when you open the box, and on again when you close it. The magnetic switch takes care of that.



UNIVERSAL FIXING KIT

A universal fixing kit is available for safe fastening of TropiCool coolers TC-14FL, TC-21FL and TC-35FL in vehicles (p. 36).

HEAT EXCHANGER AND HIGH-PERFORMANCE Peltier ELEMENT

A powerful duo: heat exchanger and high-performance Peltier element, both tailor-made for the TropiCool series. The result: a remarkable cooling capacity up to 30°C below the ambient temperature. (All models except TC-07).

DYNAMIC VENTILATION WITH WEAR-RESISTANT INTERIOR- AND EXTERIOR FANS

WAECO TropiCool coolers owe their extremely long service life to the brushless, wear resistant fans. The dynamic fans also improve the cooling performance. They ensure that the cold air is evenly spread in the interior of the coolers and guarantee efficient heat dissipation to the outside.

12/24/230-VOLT CONNECTION AVAILABLE AS STANDARD (DC/AC)

The TropiCool coolers TC-14FL, TC-21FL and TC-35FL can also be operated in vehicles with 24-volt battery. Whether 12 volts DC, 24 volts DC or 230 volts AC – the intelligent electronic system recognises automatically which voltage is applied. The priority circuit makes sure that power is drawn from the 230-volt mains to save the battery.



12/24/230 volts

WAECO CoolFun CK-40D

4.16



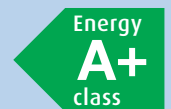
Gross capacity	approx. 40 litres
Voltage	230 volts AC
Average power consumption	65 watts
Average running time	20% at 20°C ambient temperature, 60% at 32°C ambient temperature, both at 5°C interior temperature
Temperature range	+10°C to -15°C
Insulation	CFC-free polyurethane foam
System	Powerful AC compressor, aluminium rollbond evaporator, statically ventilated wire condenser
Material	Cabinet in coated sheet steel, base and upper components in plastic
Colour	Silver/anthracite
Weight	approx. 22 kg
Quality features	Refrigeration and deep-freezing, electronic thermostat with digital temperature readout, wear-free refrigeration cycle, lid with all-round rubber seal and magnetic lock, quick-chill functionality thanks to powerful AC compressor and extra-strong insulation
Test marks	TÜV/GS



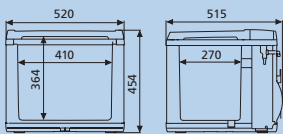
Temperature range
+10°C to -15°C

NEW!
With digital
temperature readout

**Powerful
AC compressor**



at +5°C
interior temperature
and 25°C
ambient temperature



Product	Ref. No.
CoolFun CK-40D, 230 volts	CK-40D-230

COOLER AND FREEZER ALL IN ONE: FOR INDOORS OR OUT, EVERYDAY AND HOLIDAY

The multi-purpose cooler/freezer CoolFun CK-40D is a highly **efficient quick chiller**. It comes with a **powerful AC compressor**, **extra-strong insulation** and **an all-round rubber seal**. The cooling temperature is continuously variable from +10°C to -15°C. Wear-free refrigeration cycle. Ready for connection to 230 volts.

Perfect down to the last detail



NEW: easy-to-read digital temperature display



Room for it all: even for 2-litre bottles standing upright



Safe storage of sensitive food: deep-freezing up to -15°C