

Mobile refrigeration

Portable coolers

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Thermoelectrics

Low-cost, light-weight, versatile

Inexpensive coolers for personal 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 an added 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**.

Aluminium cooler with music

Pages 14 – 15

This jumbo cooler is characterised by its indestructible aluminium housing and a sound system integrated into the lid, which comes complete with a dock for an MP3 player. For 12/230 volts.

WAECO CoolFun MB 40



CoolFun MB 40

Low-cost portable coolers

Pages 16 – 17

Compact dimensions, large capacities, powerful technology, low price. With their innovative, fresh design the versatile units are perfect for trips into the great unknown.

WAECO CoolFun CD



CoolFun CD-22

CoolFun CD-32

Comfortable high-tech coolers

Pages 18 – 21

WAECO TropiCool coolers provide powerful cooling (up to 30°C below the ambient temperature) and perfect design. TC special electronics with soft-touch operating panel and power-save mode. 12/24/230-volt connection as standard (TC-07: 12/230 volts).

WAECO TropiCool



TropiCool TC-35FL

TropiCool TC-21FL

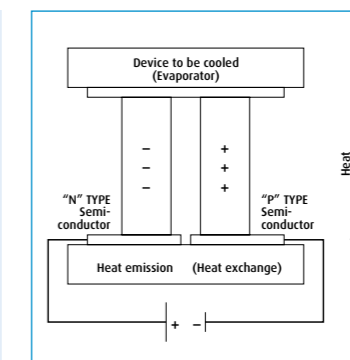
TropiCool TC-14FL

TropiCool TC-07

Thermoelectrics

The thermoelectric principle was discovered in 1834 by J. C. A. Peltier. Hence, the temperature generating parts of thermoelectric systems are referred to as Peltier elements. Thermoelectrics are based on the fact that cold or heat energy is generated when the connection between different types of metals is linked to a DC power source. The heating or cooling capacity is further enhanced by heat exchangers and air fans. It is well suited to small and medium-sized coolers.

- | Ready for operation with 12/24 volts DC or 230 volts AC
- | Cooling performance up to 30°C below the ambient temperature (depending on the size and design of the appliance)
- | Can be used for cooling and for keeping food warm
- | Impeccable operation in inclined position
- | Low weight, convenient to transport
- | Wear-resistant and maintenance-free
- | Low investment cost





Heavy-duty and highly musical

Jumbo cooler with an integrated sound system

Easy listening, pop, classic – what’s your favourite? The new CoolFun MB 40 doesn’t just dish up snacks and cold drinks, but also your favourite music as well. A sound system integrated into the lid, with a connection for an MP3 player, makes it possible.

Its sound quality is outstanding, the technology tolerates moisture and other effects of the weather. A super-cool aluminium housing also makes the thermoelectric cooler a vision of summer style, as well as unbreakable. It will enjoy many beach or camping holidays and the signs of wear and tear will only make it look even better. With a capacity of 40 litres, it can feed the whole family or friends and the fold-out side handles make it comfortable to carry. Further plus points: cooling performance up to 22 °C

below ambient temperatures and a two-part lid which, when opened, keeps the loss of cold to a minimum. It also conceals an extra panel for the CoolFun MB 40’s connection cable, which can be operated using 12 or 230 volts.

Experience the great “music box” on video at www.waeco.com/soundcooler/

WAECO CoolFun MB 40

Thermoelectric cooler with an integrated sound system

4.02



Gross capacity	approx. 40 litres
Voltage	12 volts DC and 230 volts AC (220–240 V)
Power input	DC: 48 watts; AC: 47 watts
Temperature range	Refrigeration up to 22°C below ambient temperatures
Insulation	High-quality CFC-free polyurethane foam
System	Wear-free thermoelectrics (Peltier system)
Material	Aluminium housing
Colour	Aluminium finish/pale grey
Weight	approx. 9.6 kg
Quality features	Automatic DC/AC switch-over (12/230 V) for car and power socket, stable and indestructible aluminium housing, fold-out carry handles at the side, two-part lid to keep cold from escaping, cable compartment in the lid, vertical space for 2-litre bottles, 2 detachable grid dividers, exterior and interior fan, integrated and patented speaker system, ready for MP3 player connection, batteries not included
Test marks	CE, TÜV/GS, e-approved to 2006/28/EC (Automotive EMC Directive)

NEW

Up to 22°C below ambient temperature

12/230 volts

Integrated sound system with an MP3 player connection

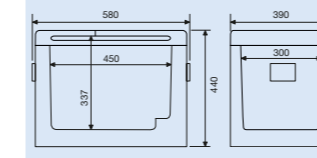
Robust aluminium housing

Stable fold-out spring-mounted handles

Two-part lid to stop the cold from escaping

Cable compartment integrated in the lid

Product	Ref. No.
CoolFun MB40	9105300006



Two-part lid: easy to lift – minimal loss of cold



Details: spring-mounted plastic-sheathed handles



Practical detail: roomy cable compartment with a lid which swivels



Integrated sound system with an MP3 player connection



Cool fun at bargain price

Affordable coolers with AC/DC connection and astonishing extras

WAECO CoolFun coolers are light and handy, yet they have a great deal to offer. Cheerfully blue in colour and compact in design, they are surprisingly roomy inside – large enough to accommodate even tall bottles.

The “trick” is that the **innovative thermoelectric system** takes up little space while providing impressive functionality. It will not only bring the temperature down to +5°C, but also raise it to +70°C if required.

Thanks to the **integrated 230-volt mains adapter** you can run your cooler from the mains at home or the cigarette lighter of your vehicle. The **priority circuit for 230 volts** reduces the strain on the vehicle battery to a minimum.

Additionally, the WAECO CoolFun CD-32 features a **power-save circuit** for maximum economy. The CoolFun CD-22 comes with an **extra insulating lid** for convenient transport without power supply.

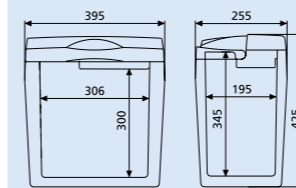
WAECO CoolFun will bring pleasure – at work and at play.

WAECO CoolFun CD-22

Thermoelectric cooler with additional insulating lid



Extra insulating lid (ideal for going to the beach)



Gross capacity	approx. 22 litres
Voltage	12/230 volts DC/AC
Power consumption	approx. 48 watts
Temperature range	Cooling: up to 20°C below the ambient temperature Heating: interior temperature limited by thermostat at +65°C
Insulation	Polyurethane full-foam insulation
System	Wear-free thermoelectrics (Peltier system)
Material	Sturdy injection-moulded parts
Colour	Blue/white
Weight	approx. 4.8 kg
Quality features	Brushless fan, vertical space for standing 1.5-litre bottles, dynamic interior ventilation, can be switched to cold/warm, practical recessed grip in the lid, ready for connection to 12/230 volts with priority for 230 volts
Scope of delivery	Additional insulating lid
Test marks	CE, TÜV/GS, e-approved to 2006/28/EC (Automotive EMC Directive)

Product	Ref. No.
CoolFun CD-22	CD-22-AC

4.02

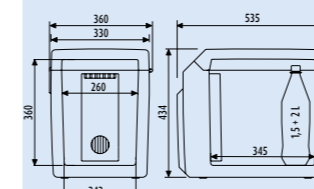


With additional insulating lid



WAECO CoolFun CD-32

Thermoelectric cooler with power-save circuit



Gross capacity	approx. 32 litres
Voltage	12/230 volts DC/AC
Power consumption	approx. 60 watts at 12 volts approx. 70 watts at 230 volts
Temperature range	Cooling: +5°C to +15°C (up to 25°C below the ambient temperature); Heating: +55°C to +70°C
Insulation	Polyurethane full-foam insulation
System	Wear-free thermoelectrics (Peltier system), cold transmission to the interior by dynamically ventilated aluminium heat exchanger, heat dissipation to the outside with high-performance heat exchanger and brushless, wear-free fan
Material	Sturdy injection-moulded parts
Colour	Blue/white
Weight	approx. 8.0 kg
Quality features	Purpose-built, intelligent power-save circuit, interior temperature continuously variable with slide switch from +5°C to +15°C or +55°C to +70°C, ON/OFF and cold/warm switches on membrane keypad, vertical space for 2-litre bottles, can be used as a chest or upright fridge, ready for connection to 12/230 volts with priority for 230 volts
Test marks	CE, TÜV/GS, e-approved to 2006/28/EC (Automotive EMC Directive)

Product	Ref. No.
CoolFun CD-32	CD-32-AC

4.02



With power-save circuit

Cooling up to **30°C** below ambient temperature



The comfort series for cool enjoyment

High-tech coolers with DC/AC and special electronics

Mobility, performance and convenience – these are the hallmarks of the WAECO TropiCool series. State-of-the-art thermoelectrics make for outstanding cooling results up to 30°C below the ambient temperature. Add to this all the useful features and functions: 12/24/230 volts DC/AC as standard, individual

temperature regulation with LED display and memory function, to name but a few. At the touch of a button the coolers (+1°C to +15°C) can be turned into warmer boxes (+50°C to +65°C). WAECO TropiCool – the comfort class of thermoelectric refrigeration.



12/24 volts DC



230 volts AC

WAECO TropiCool coolers provide plug & play convenience, no matter whether you've got a 12/24-volt or 230-volt power source. The DC/AC feature is available as standard! (TC-07: 12/230 volts.)

WAECO TropiCool – powerful luxury

12/24 volts DC and 230 volts AC standard!



TropiCool TC-07

TropiCool TC-35FL

TropiCool TC-14FL

TropiCool TC-21FL

The intelligent power-save circuit

TropiCool coolers are great energy savers. As soon as the power is on, they **cool at full capacity** to reach the desired temperature. Once this has been achieved, they switch automatically to the **power-save mode**. In this mode, the Peltier element draws very little power. This gives rise to an insulation bridge that prevents heat from flowing

into the cooling compartment. **Example:** a conventional cooler operated in the 12-volt mode consumes between 4 and 4.5 Ah per hour to achieve an interior temperature of +5°C at an ambient temperature of +25°C, the WAECO TropiCool TC-21FL makes do with just 2.1 Ah per hour.

Perfect down to the last detail – product benefits of the TropiCool series

- › **Highly effective insulation**
Outstanding energy efficiency
- › **Dynamic interior ventilation**
Significantly improved cooling performance
- › **Wear-free fans**
Long service life
- › **Intelligent power-save circuit**
Electronics switch automatically to power-save mode once the desired interior temperature has been reached (for TC-14FL, TC-21FL and TC-35FL, p. 20 – 21).
- › **12/24/230 volts as standard**
With priority circuit for 230 volts
- › **Heat exchanger and high-performance Peltier element**
Cooling performance up to 30°C below ambient temperature!*
- › **Magnetic switch**
Switches the interior fan off when you open the cooler
- › **Universal fixing kit**
for TC-14FL, TC-21FL and TC-35FL (p. 20)



TC special electronics with soft-touch operating panel

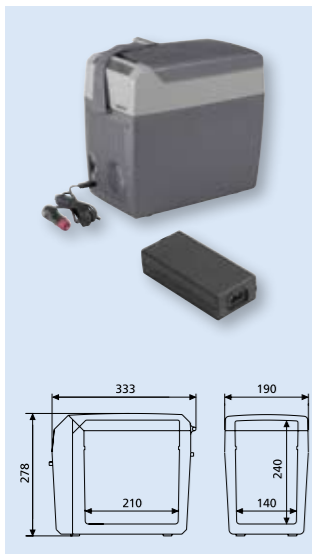
WAECO TropiCool coolers* provide refrigeration up to 30°C below the ambient temperature and heating up to +65°C. Using the soft-touch operating panel, you can set the desired temperature in seven stages each: from +1°C to +15°C in the cooling mode, or from +50°C to +65°C in the heating mode. The memory function saves the last set parameters.

- › Cooling up to 30°C below ambient temperature
- › Heating up to +65°C
- › 7-stage temperature regulation for cooling and heating
- › LED temperature display
- › Memory function saves the last settings
- › Membrane keypad protects the electronics from dust and moisture

* All models except TC-07

WAECO TropiCool TC-07
Thermoelectric cooler

4.01



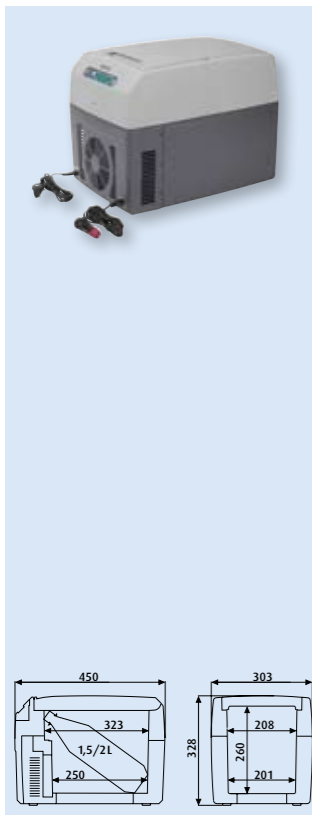
Gross capacity	approx. 7 litres
Voltage	12/230 volts DC/AC
Power input	approx. 36 watts at 12 volts DC approx. 40 watts at 230 volts AC
Temperature range	Cooling: approx. +5°C (up to 25°C below ambient temperature); Heating: approx. +65°C
Insulation	Polyurethane full-foam insulation
System	Wear-free thermoelectrics (Peltier system), cold/heat transmission to the interior through coated aluminium container, heat dissipation to the outside by brushless, wear-free fan
Colour	Dark grey/pale grey
Weight	approx. 2.8 kg
Quality features	Temperature regulation for cooling and heating with fixed point thermostats, ready for connection to 230 volts
Scope of delivery	Shoulder strap, 12-volt connection cable and 230-volt mains adapter included
Test marks	CE, TÜV/GS, e-approved to 2006/28/EC (Automotive EMC Directive)
Product	Ref. No.
TropiCool TC-07	TC-07UG-12/230



WAECO TropiCool TC-14FL

Thermoelectric cooler with TC special electronics

4.01



Gross capacity	approx. 14 litres
Voltage	12/24 volts DC and 230 volts AC
Power consumption	approx. 55 watts at 12 volts DC approx. 60 watts at 24 volts DC approx. 80 watts at 230 volts AC
Average running time	30% at +20°C ambient temperature
Temperature range	Cooling: +1°C to +15°C (up to 30°C below ambient temperature); Heating: +50°C to +65°C
Insulation	Polyurethane full-foam insulation
System	Wear-free thermoelectrics (Peltier system), cold transmission to the interior by dynamically ventilated aluminium heat exchanger, heat dissipation to the outside by high-performance heat exchanger and brushless, wear-free fan
Material	Sturdy injection moulded parts
Colour	Dark grey/pale grey
Weight	approx. 5.0 kg
Quality features	TC special electronics: 7-stage electronic thermostat with LED indicators, memory function, ON/OFF and cold/warm option activated with soft-touch operating panel, intelligent power-save circuit. Integrated mains supply unit with priority circuit, outstanding cooling performance, magnetic switch to deactivate the interior fan when the box is opened, detachable lid with magnetic closure, sturdy, fold-away handle
Test marks	CE, TÜV/GS, e-approved to 2006/28/EC (Automotive EMC Directive)
Product	Ref. No.
TropiCool TC-14FL	TC-14FL-AC
Optional extra	
Universal fixing kit	UFK-T

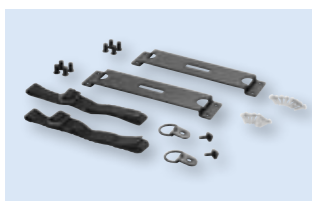


TC special electronics

Universal fixing kit

For TropiCool TC-14FL, TC-21FL, TC-35FL: fastening of TropiCool coolers in vehicles.

4.01



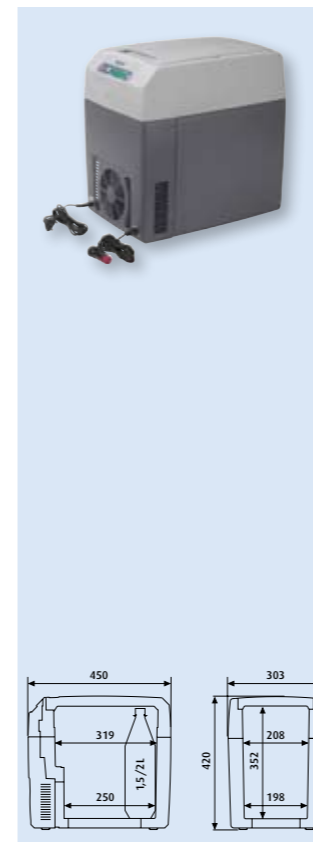
Material	Powder-coated metal
Colour	Black
Scope of delivery	Two base plates, two adjustable straps, set of screws
Product	Ref. No.
Universal fixing kit	UFK-T



WAECO TropiCool TC-21FL

Thermoelectric cooler with TC special electronics

4.01



Gross capacity	approx. 21 litres
Voltage	12/24 volts DC and 230 volts AC
Power consumption	approx. 55 watts at 12 volts DC approx. 60 watts at 24 volts DC approx. 80 watts at 230 volts AC
Average running time	32% at +20°C ambient temperature
Temperature range	Cooling: +1°C to +15°C (up to 30°C below ambient temperature); Heating: +50°C to +65°C
Insulation	Polyurethane full-foam insulation
System	As for TC-14FL
Material	Sturdy, injection-moulded parts
Colour	Dark grey/pale grey
Weight	approx. 6.0 kg
Quality features	TC special electronics: 7-stage electronic thermostat with LED indicators, memory function, ON/OFF and cold/warm option activated with soft-touch operating panel, intelligent power-save circuit. Integrated mains supply unit with priority circuit, outstanding cooling performance, magnetic switch to deactivate the interior fan when the box is opened, detachable lid with magnetic closure, sturdy, fold-away handle, vertical space for 2-litre bottles, adjustable grid divider
Test marks	CE, TÜV/GS, e-approved to 2006/28/EC (Automotive EMC Directive)
Product	Ref. No.
TropiCool TC-21FL	TC-21FL-AC
Optional extra	
Universal fixing kit	UFK-T



TC special electronics

WAECO TropiCool TC-35FL

Thermoelectric cooler with TC special electronics

4.01



Gross capacity	approx. 35 litres
Voltage	12/24 volts DC and 230 volts AC
Power consumption	approx. 55 watts at 12 volts DC approx. 60 watts at 24 volts DC approx. 80 watts at 230 volts AC
Average running time	35% at +20°C ambient temperature
Temperature range	Cooling: +1°C to +15°C (up to 30°C below ambient temperature); Heating: +50°C to +65°C
Insulation	Polyurethane full-foam insulation
System	As for TC-14FL
Material	Sturdy, injection moulded parts
Colour	Dark grey/pale grey
Weight	approx. 10.0 kg
Quality features	TC special electronics: 7-stage electronic thermostat with LED indicators, memory function, ON/OFF and cold/warm option activated with soft-touch operating panel, intelligent power-save circuit. Integrated mains supply unit with priority circuit, outstanding cooling performance, magnetic switch to deactivate the interior fan when the box is opened, detachable lid with snap lock closure, handy carrying grips, vertical space for 2-litre bottles, adjustable grid divider
Test marks	CE, TÜV/GS, e-approved to 2006/28/EC (Automotive EMC Directive)
Product	Ref. No.
TropiCool TC-35FL	TC-35FL-AC
Optional extra	
Universal fixing kit	UFK-T



Jumbo cooler for campers, travellers and truckers

TC special electronics