

OEM by WAECO

Built-in fridges for yachts

Boundless freedom: The horizon seems within easy reach – the next refreshment certainly is. And it is truly refreshing. Just take a few steps below deck: the built-in WAECO CR fridge holds the next, cool round ready to be enjoyed. Renowned Bavaria Yachtbau GmbH trusts innovative, reliable WAECO technology, too ...



Cool cockpit: all Bavaria motor yachts are supplied as standard with WAECO built-in refrigerators.



Built-in WAECO fridges can be adapted to the kitchen decor and blend with the galley design.



Integrated cooling systems for automobiles

Leading automotive manufacturers put their trust in WAECO's competence and innovative strength in integrated cooling systems. Mobile refrigeration by WAECO makes travelling a comfortable and refreshing experience in Maybach and Mercedes, BMW and Rolls-Royce, VW and Bentley automobiles.



A WAECO BordBar integrated in the middle console: Rolls-Royce Phantom



WAECO BordBar integrated in the middle console of the Mercedes-Benz S-Guard



A WAECO BordBar in the middle console: Land Rover Discovery 3 and Range Rover Sport

WAECO – trusted partner of the automotive industry

Passenger cars

Audi
Bentley
BMW
Daimler
Fiat

Ford
Land Rover
Maybach
Mazda
PSA

Rolls-Royce
Skoda
Volvo
Volkswagen

Trucks

MAN
Mercedes-Benz
Scania
Volvo

Fresh ideas for camping and leisure time

WAECO has made a name for itself as a **specialist in mobile refrigeration**. Our know-how is appreciated by consumers and trading partners as well as by the automotive industry. WAECO is **the world's leading supplier of integrated cooling systems**. Working for well known OEM clients, WAECO designs bespoke cooling compartments, car coolers and battery chargers to suit specific vehicles. Built-in coolers are increasingly offered as factory-fitted optional extras.



The VW T5 Camper is a classic amongst camper vans. For its kitchenette WAECO developed an adjustable 42-litre fridge with integrated battery charger.



Thermoelectric cooler for the VW T5 Multivan, secured to the vehicle's floor rails with a customised fixing kit.

230 volts in the VW Passat – and in other cars too

Volkswagen's Passat was the first to have it. Then it made its entrance into other VW models, the Touareg, Jetta and Golf Plus. Before long, it will be integrated into the Audi A4 and A5 as well: a 230-volt Euro socket generating up to 300 watts alternating current. Its secret is a tailor-made WAECO inverter, backed by a wealth of electronics expertise that convinced decision makers in Wolfsburg and elsewhere ...



Convenient 230-volt socket for power on the move

More and more European series-produced vehicle come with a 230-volt Euro socket. The required alternating voltage is generated by a WAECO inverter.

Mobile Refrigeration

Portable coolers

Thermoelectric coolers	18 – 25
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Refrigerators

Compressor refrigerators	46 – 65
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Cooling units

Cooling units, evaporators, cold accumulators	66 – 77
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Electronic accessories for cooling appliances	78 – 81
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 **Dometic**
THE SIGN OF COMFORT

 **WAECO**
mobile solutions



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**.

Low-cost portable coolers

Pages 20 – 21

WAECO CoolFun portable coolers are compact outside and spacious inside – thanks to the thermoelectric technology. The innovative design in cool blue is just right for carefree outdoor adventures.

WAECO CoolFun CD



CoolFun CD-22



CoolFun CD-32

Comfortable high-tech coolers

Pages 22 – 25

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

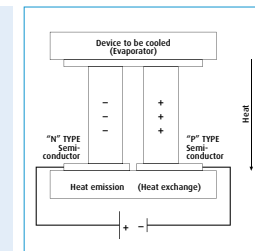


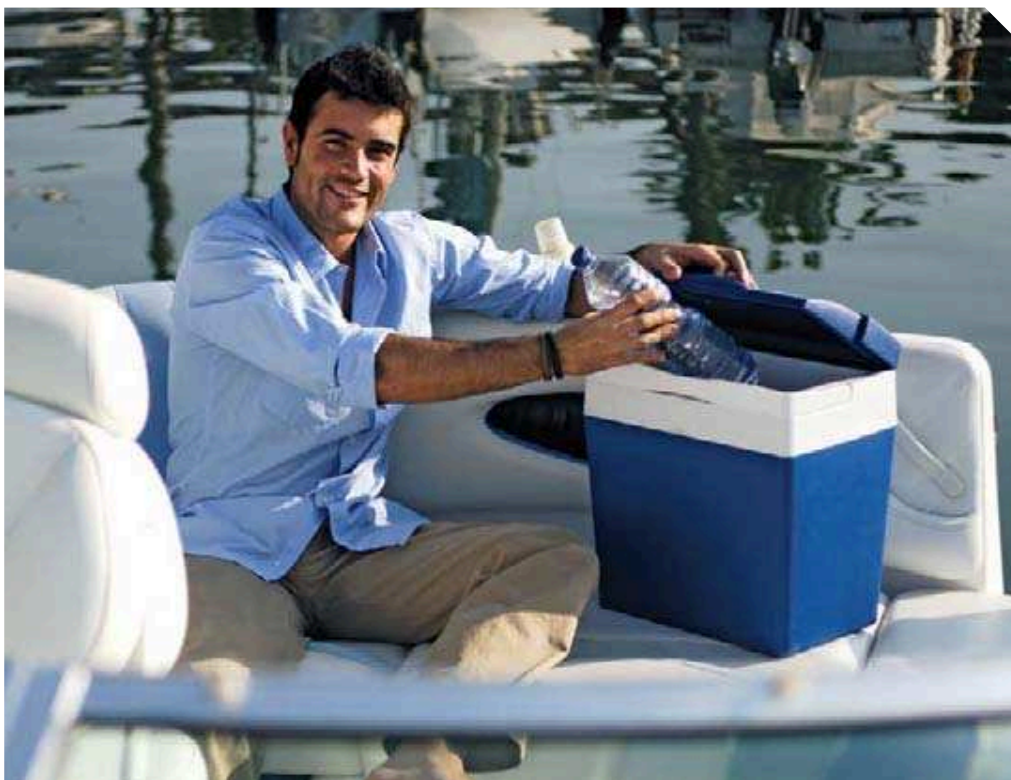
TropiCool TC-07

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





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.

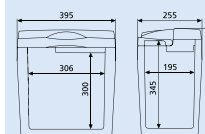
WAECO CoolFun bring you pleasure – at work and at play.

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	TÜV/GS, e-approved to 2006/28/EC (Automotive EMC Directive)

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

4.02



Up to 20°C below ambient temperature



Up to +65°C in the heating mode

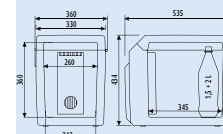


12/230 volts

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	TÜV/GS, e-approved to 2006/28/EC (Automotive EMC Directive)

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

4.02



Up to 25°C below ambient temperature



Up to +70°C in the heating mode



12/230 volts

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 readout 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



TropiCool TC-07

TropiCool TC-35FL

TropiCool TC-14FL

TropiCool TC-21FL

12/24 volts DC and 230 volts AC as standard!

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. 24 – 25).
- › **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. 24 – 25)



TC special electronics with soft-touch operating panel

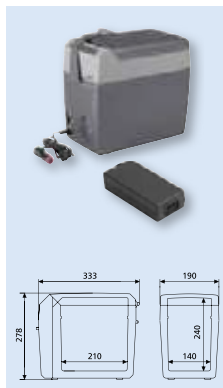
WAECO TropiCool coolers* provide refrigeration up to 30°C below the ambient temperature and heating up to +65°C. Using the soft-touch operating panel, you can set the desired temperature in seven stages each: from +1°C to +15°C in the cooling mode, or from +50°C to +65°C in the heating mode. The memory 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 readout
 - › 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 consumption	approx. 36 W
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	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	TÜV/GS, e-approved to 2006/28/EC (Automotive EMC Directive)
Product	Ref. No.
TropiCool TC-07	TC-07UG-12/230

Up to 25°C below ambient temperature

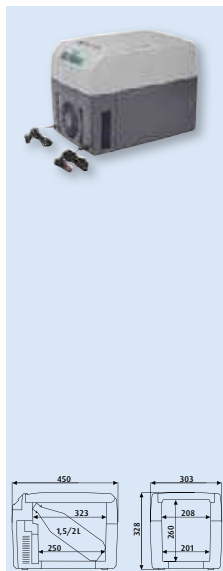
Up to +65°C in the heating mode

12/230 volts

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 W at 12 V DC approx. 60 W at 24 V DC approx. 80 W at 230 V 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	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

Up to 30°C below ambient temperature

Up to +65°C in the heating mode

12/24/230 volts

TC special electronics

Universal fixing kit

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



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

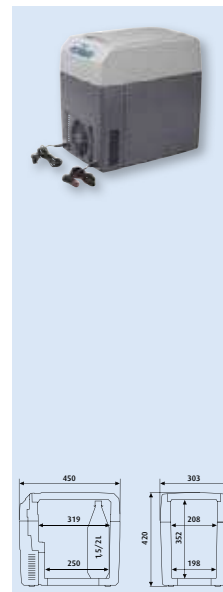


4.01

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 W at 12 V DC approx. 60 W at 24 V DC approx. 80 W at 230 V AC
Average running time	32% bei +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	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	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

Up to 30°C below ambient temperature

Up to +65°C in the heating mode

12/24/230 volts

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 W at 12 V DC approx. 60 W at 24 V DC approx. 80 W at 230 V 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	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

Up to 30°C below ambient temperature

Up to +65°C in the heating mode

12/24/230 volts

Jumbo cooler for campers, travellers and truckers

TC special electronics



Compressor cooling

Powerful and durable

Even at extreme outside temperatures

Excellent cooling performance regardless of the ambient temperature, versatile use – these are the distinguishing features of a compressor cooler.

Covering a temperature range from +10°C to -18°C, compressor coolers by WAECO are as powerful as a domestic fridge. The difference is they can be used absolutely everywhere: on yachts and boats, in cars and motorhomes, at home, in holiday apartments – wherever you want.

Refrigeration
and
deep-freezing

Most powerful and most durable cooling in mobile and stationary use

Excellent cooling performance even at extreme ambient temperatures

Deep-freezing functionality

Energy saving and superbly quiet operation

Impeccable operation in inclined position

Suitable for operation with a solar panel

Fridge/freezer with rechargeable battery

Super-cool – even if there's no external power available. Up to 18 hours independent operation with integrated battery, which can be recharged from the vehicle battery or a mains socket (optional mains adapter). With mains priority circuit and more comfort features.

WAECO CoolFreeze CF

Pages 28 – 29

Super-compact compressor coolers

Favourably priced entry-level compressor coolers. With performance and handling qualities that will ensure you will enjoy them for years to come. Refrigeration and deep-freezing, 18 or 23 litres capacity in a compact cabinet that fits in where others won't.

WAECO CoolFreeze CDF

Pages 30 – 31



CoolFreeze CF-32UP



CoolFreeze CDF-18



CoolFreeze CDF-25

High-tech coolers

Unbeatable performance in all mobile applications. Excellent cooling and deep-freezing even at extreme ambient temperatures. Compact dimensions, energy-saving and quiet operation. Available in sizes from 31 to 106 litres, for 12/24 volts DC and 100 – 240 volts AC.

WAECO CoolFreeze CF

Pages 32 – 37



CoolFreeze CF-35

CoolFreeze CF-40

CoolFreeze CF-50

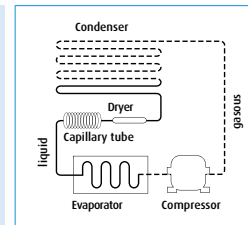
CoolFreeze CF-80

CoolFreeze CF-110

Compressor technology

Compressor cooling appliances work with a CFC-free refrigerant that changes from liquid to gas as it flows through the evaporator. In the process the evaporator extracts heat from the refrigeration compartment – it's getting cold. The compressor draws in the gaseous refrigerant, compresses it and passes it on to the condenser. Here, the absorbed heat is released to the atmosphere. The refrigerant changes to the original liquid state and flows back to the evaporator, where the cycle starts again.

- | Problem-free operation with 12/24 volts or 12/24 volts and 100 – 240 volts AC
- | Refrigeration and deep-freezing
- | Excellent cooling performance even at extreme ambient temperatures
- | Minimal power consumption
- | Integrated battery protection
- | Ideal for solar operation



18 hours cooling without power supply



Truly independent

Integrated battery-run fridge/freezer

Well-proven on Australia's most beautiful and lonely beaches – and now available here: the CoolFreeze CF-32UP offers refrigeration and deep-freezing up to **-18°C**. And that's for up to 18 hours without external power supply!

When ashore, the power required is delivered by the **battery integrated** in the compressor cooler. It is charged from the 12- or 24-volt boat battery or the mains before use and simply switched on when necessary. The matching mains adapter comes as a separate accessory. An LED indicates the charging state of the battery.

At a capacity of **31 litres** the CF-32UP makes a high-performance picnic fridge – and has a lot more going for it: low-voltage protection to prevent excessive discharging of the boat battery, a digital display to show the temperature, extra carrying handles that can be attached as required, a fold-up lid as well as fridge slides and a fixing kit as optional accessories.

WAECO CoolFreeze CF-32UP

Compressor cooler/freezer with rechargeable battery

4.10



Gross capacity	approx. 31 litres
Voltage	12/24 volts DC
Power input	approx. 45 watts (cooling only) approx. 72 watts (cooling and charging)
Charging time	12 to 15 hours
Operation with battery	Up to 18 hours with fully charged battery at +5°C interior and +32°C ambient temperature
Average running time	18% at +20°C ambient temperature 22% at +32°C ambient temperature both at +5°C interior temperature
Power consumption	Power input x average running time
Temperature range	+10°C to -18°C, continuously variable via electronic thermostat with digital temperature readout
Insulation	CFC-free PU foam
System	Fully hermetic Danfoss BD35F compressor with integrated control electronics, low-voltage protection, electronic fuse/automatic reverse pole protection, dynamically ventilated wire tube condenser, aluminium rollbond evaporator
Material	Cabinet: PP; lid: PE
Colour	Body: pale grey/dark grey; lid: dark grey
Weight	approx. 24 kg
Quality features	Intelligent battery monitor to prevent excessive discharging of the vehicle battery, display with digital temperature readout, temperature adjustable with two buttons in 1°C steps, simultaneous charging and cooling, battery charging state indicated by LED, battery low warning
Scope of delivery	DC connection cable, wire basket, attachable carrying handles
Test marks	TÜV/GS, E-approved according to UN-ECE R10 directive



Temperature range
+10°C to -18°C

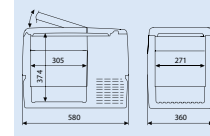


Suitable for solar operation

With integrated battery for up to 18 hours operation without external power

Fridge slides and fixing kit as accessories (pages 38 – 39)

230-volt connection with low-priced mains adapters (pages 78 – 81)



Product	Ref. No.
CoolFreeze CF-32 UP	9105100001
Optional extras	
Mains adapter 110 – 240 V > 24 V	MPS-50
Fridge slide, long	SLD-060
Fridge slide, wide	SLD-060W
Universal fixing kit	UFK-C

Energy management by CoolFreeze CF-32UP

When power is supplied from the integrated battery as well as an external power source, the cooler will automatically select the external power source. If the battery is not fully charged, it will be recharged as long as external power is applied, or, until the external voltage falls below a defined level. The battery can be recharged without using the cooling function at the same time. The battery is activated when the cooler is switched on and no external power source is applied – on the beach, at the campsite, or out in the wild ...



An extra control panel for the battery: ON/OFF switch, LED display showing the battery charging state



A typical CoolFreeze convenience feature: display with digital temperature readout



Stays cool without external power: the battery-run CF-32UP

Compressor cooling "light"

Fridge and freezer all in one

A flyweight of a compressor cooler with an empty weight of just 11.5 kg, and convenient to transport with the sturdy carrying handle: the new WAECO CoolFreeze CDF-18 offers a full 18-litre capacity for snacks and drinks. This is due to the unit's optimised inside and outside dimensions and to the compact design of the high-tech compressor. In terms of performance, the CDF-18 qualifies as a true heavyweight: refrigeration and deep-freezing up to -18°C at minimal energy consumption!



WAECO CoolFreeze CDF-18

Portable compressor cooler for refrigeration and deep-freezing

4.29



Gross capacity	approx. 18 litres
Voltage	12/24 volts DC
Power input	approx. 35 watts
Average running time	10% at +20°C ambient temperature 18% at +32°C ambient temperature both at +5°C interior temperature
Power consumption	Power input x average running time
Temperature range	+10°C to -18°C, continuously variable via electronic thermostat
Insulation	CFC-free PU foam
System	Compressor with integrated control electronics, low-voltage protection adjustable for leisure or starter battery by means of a slide switch, electronic fuse/automatic reverse pole protection, dynamically ventilated wire tube condenser, aluminium rollbond evaporator
Material	Cabinet: PP, lid: PE
Colour	Body: pale grey/dark grey; lid: dark grey
Weight	approx. 11.5 kg
Quality features	Detachable fold-up lid, sturdy carrying handle, vertical space for standing 2-litre bottles
Scope of delivery	DC connection cable
Test marks	TÜV/GS, e-approved to 2006/28/EC (Automotive EMC Directive)



Temperature range
+10°C to -18°C



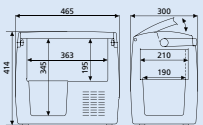
Suitable for
solar operation

Energy saver:
short running times with
reinforced insulation:
consumes only 0.29
Ah/h to reach +5°C
interior temperature at
+20°C ambient
temperature

Insulating protective
cover as accessory
(page 39)

230-volt connection
with low-priced
mains adapters
(pages 78 - 81)

Product	Ref. No.
CoolFreeze CDF-18	9105100002
Optional extras	
Mains adapter 230 V · 24 V	EPS-100W
Mains adapter 230 V · 12 V	EPS-817U
Insulating protective cover	IC-CF-18



Easy to operate, secure closing mechanism



Robust, elegant, extremely comfortable carrying handle



Vertical insertion of the folding grid: space for standing 2-litre bottles



Salad underneath, bottles above: the horizontal folding grid arranges everything



Left: continuously variable electronic thermostat; right: two-stage battery monitor

Fits into every niche

Slim size, nice price

It fits where others won't: slim and tall, the new WAECO CoolFreeze CDF-25 neatly slots into narrow gaps and niches where it can be secured in place by a fixing kit. It is convenient to transport and provides 23 litres capacity for refrigeration or deep-freezing. Energy consumption is minimal. All in all, a cool insider tip for price-conscious buyers!



WAECO CoolFreeze CDF-25

Compressor cooler for refrigeration and deep-freezing

4.29



Gross capacity	approx. 23 litres (19 l for refrigeration/deep-freezing, 4 l for fresh food)
Voltage	12/24 volts DC
Power input	approx. 35 watts
Average running time	15% at +20°C ambient temperature 19% at +32°C ambient temperature both at +5°C interior temperature
Power consumption	Power input x average running time
Temperature range	+10°C to -18°C, continuously variable via electronic thermostat
Insulation	CFC-free PU foam
System	Compressor with integrated control electronics, low voltage protection adjustable for leisure and starter battery by means of a slide switch, electronic fuse/automatic reverse pole protection, dynamically ventilated wire tube condenser, aluminium rollbond evaporator
Material	Cabinet: PP, lid: PE
Colour	Body: pale grey/dark grey; lid: dark grey
Weight	approx. 12.5 kg
Quality features	Detachable lid (lid mount at the front), vertical space for standing 2-litre bottles, interior light
Scope of delivery	DC connection cable, detachable wire basket
Test marks	TÜV/GS, e-approved to 2006/28/EC (Automotive EMC Directive)



Temperature range
+10°C to -18°C



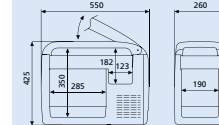
Suitable for
solar operation

Slim body - minimal
space consumption

Insulating protective
cover and fixing kit as
accessories
(pages 38 - 39)

230-volt connection
with low-priced
mains adapters
(pages 78 - 81)

Product	Ref. No.
CoolFreeze CDF-25	9105100003
Optional extras	
Mains adapter 230 V · 24 V	EPS-100W
Mains adapter 230 V · 12 V	EPS-817U
Universal fixing kit	UFK-C
Insulating protective cover	IC-CF-25



Closing mechanism: easy to use and super-safe



Left: continuously variable electronic thermostat; right: two-stage battery monitor



Robust lid hinge, sturdy injection moulded cabinet



Space for upright storage of 2-litre bottles across the entire base



Premium boxes for all applications

High-tech unlimited

Compressor technology at its best – that’s the term used to describe the **CoolFreeze series coolers CF-35 to CF-110**. The high-performance appliances can be operated on almost any mains network. Whether 12, 24, 100 or 240 volts – the integrated power supply unit recognises each voltage and adjusts itself accordingly.

CoolFreeze CF series coolers feature optimised dimensions and are easy to transport. Their generous capacity makes them ideal for use in motorhomes and caravans, on boats or yachts – wherever mobile refrigeration is required.

Optional accessories include **fridge slides** for convenient slide-out access and a **fixing kit** for a firm and secure hold in the vehicle.

CoolFreeze CF-35 to CF-110 – the significant benefits at a glance:

- › **CF special electronics with digital temperature display**
- › **12/24 volts DC and 100 – 240 volts AC**
- › **Excellent cooling performance** even at extreme ambient temperatures
- › **Deep-freeze functionality**
- › **Energy saving and superbly quiet operation**
- › **Impeccable operation in inclined position**
- › **Suitable for operation with a solar panel**



CoolFreeze CF-35

CoolFreeze CF-40

CoolFreeze CF-50

CF special electronics with digital temperature display, soft start and turbo cooler

The five CoolFreeze coolers CF-35 to CF-110 are equipped with the CF special electronics system featuring the following functions:

- › **Intelligent, automatic turbo cooler**
- › **3-stage battery protection to be set on the digital display**
- › **4-digit display readout**
- › **Digital display in Celsius or Fahrenheit**
- › **Free temperature setting on the display**
- › **Display of current interior temperature**
- › **Status and error indication by 2 separate LEDs**
- › **Memory function saves the last settings**



Turbo power with economy. The CF special electronics system gives the compressor a soft and power-saving start at 2500 rpm. If the preset temperature is not reached within a short period of time or a temperature below -12°C has been set, the turbo cooler switches on automatically to boost the compressor speed. As soon as a preset temperature up to -12°C has been reached, the system switches back to economy mode (except if a temperature below -12°C has been set).

The outcome: fast yet economical cooling from $+10^{\circ}\text{C}$ to -18°C .



Standard interior light for a clear overview in the dark



Ready for connection to 12/24 volts DC and 100 – 240 volts AC with mains priority circuit



A smart organiser: detachable wire basket (all models except CF-35); CF-40/CF-50: wire basket with grid divider



Convenient transport with ergonomically shaped recessed grips and sturdy, detachable handles

› **Fridge slides, universal fixing kit and protective covers as accessories (p. 38/39)**



WAECO CoolFreeze CF-35

Compressor cooler for refrigeration and deep-freezing with CF special electronics

4.10



Gross capacity	approx. 31 litres (26.5 l for refrigeration/deep-freezing, 4.5 l for fresh food)
Voltage	12/24 volts DC and 100 – 240 volts AC
Power input	approx. 45 watts
Average running time	15% at +20°C ambient temperature 19% at +32°C ambient temperature both at +5°C interior temperature
Power consumption	Power input x average running time
Temperature range	+10°C to –18°C, free temperature setting via electronic thermostat with digital temperature readout
Insulation	CFC-free PU foam
System	Fully hermetic Danfoss BD35F compressor with integrated control electronics, low voltage protection adjustable for leisure and starter battery via electronic system, electronic fuse/automatic reverse pole protection, dynamically ventilated wire tube condenser, aluminium rollbond evaporator
Material	Cabinet: PP, lid: PE
Colour	Body: pale grey/dark grey; lid: dark grey
Weight	approx. 15 kg
Quality features	Detachable lid (lid mount at the front), interior light, vertical space for standing 1.5-litre bottles. CF special electronics with soft start and turbo cooler (p. 33)
Scope of delivery	DC and AC connection cables, evaporator grille, detachable carrying handles
Test marks	TÜV/GS, e-approved to 2006/28/EC (Automotive EMC Directive)



Temperature range
+10°C to –18°C



Suitable for
solar operation



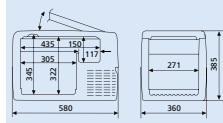
12/24 volts DC and
100 – 240 volts AC

Protective cover, fridge
slides and fixing kit as
accessories
(pages 38 – 39)

CF special electronics
with soft start and
turbo cooler



Product	Ref. No.
CoolFreeze CF-35	CF-035AC
Optional extras	
Fridge slide, long	SLD-060
Fridge slide, wide	SLD-060W
Universal fixing kit	UFK-C
Insulating protective cover	IC-CF-35



WAECO CoolFreeze CF-40

Compressor cooler for refrigeration and deep-freezing with CF special electronics

4.10



Gross capacity	approx. 37 litres (31 l for refrigeration/deep-freezing, 6 l for fresh food)
Voltage	12/24 volts DC and 100 – 240 volts AC
Power input	approx. 45 Watt
Average running time	18% at +20°C ambient temperature 22% at +32°C ambient temperature both at +5°C interior temperature
Power consumption	Power input x average running time
Temperature range	+10°C to –18°C, free temperature setting via electronic thermostat with digital temperature readout
Insulation	CFC-free PU foam
System	As for CF-35
Material	Cabinet: PP, lid: PE
Colour	Body: pale grey/dark grey; lid: dark grey
Weight	approx. 16 kg
Quality features	Detachable lid (lid mount at the front), interior light, vertical space for standing 2-litre bottles. CF special electronics with soft start and turbo cooler (p. 33)
Scope of delivery	DC and AC connection cables, removable wire basket, detachable carrying handles
Test marks	TÜV/GS, e-approved to 2006/28/EC (Automotive EMC Directive)



Temperature range
+10°C to –18°C

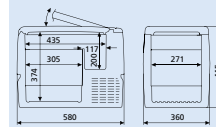


Suitable for
solar operation



12/24 volts DC and
100 – 240 volts AC

Protective cover, fridge
slides and fixing kit as
accessories
(pages 38 – 39)



Product	Ref. No.
CoolFreeze CF-40	CF-040AC
Optional extras	
Fridge slide, long	SLD-060
Fridge slide, wide	SLD-060W
Universal fixing kit	UFK-C
Insulating protective cover	IC-CF-40

WAECO CoolFreeze CF-50

Compressor cooler for refrigeration and deep-freezing with CF special electronics

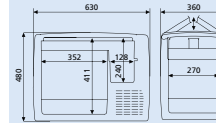


Gross capacity	approx. 49 litres (41 l for refrigeration/deep-freezing, 8 l for fresh food)
Voltage	12/24 volts DC and 100 – 240 volts AC
Power input	approx. 45 watts
Average running time	15% at +20°C ambient temperature 19% at +32°C ambient temperature both at +5°C interior temperature
Power consumption	Power input x average running time
Temperature range	+10°C to –18°C, free temperature setting via electronic thermostat with digital temperature readout
Insulation	CFC-free PU foam
System	As for CF-35
Material	Cabinet: PP, lid: PE
Colour	Body: pale grey/dark grey; lid: dark grey
Weight	approx. 18 kg
Quality features	Detachable lid (plug-in lid mount, variable left/right), interior light, vertical space for standing 2-litre bottles. CF special electronics with soft start and turbo cooler (p. 33)
Scope of delivery	DC and AC connection cables, removable wire basket, detachable carrying handles
Test marks	TÜV/GS, e-approved to 2006/28/EC (Automotive EMC Directive)

CF-50:
Detachable lid,
folds up transversely,
variable lid mounts



CF special electronics
with soft start and
turbo cooler



Product	Ref. No.
CoolFreeze CF-50	CF-050AC
Optional extras	
Fridge slide, long	SLD-060
Fridge slide, wide	SLD-060W
Universal fixing kit	UFK-C
Insulating protective cover	IC-CF-50



Jumbo coolers for professional use

True greatness

Our jumbo-size high-tech coolers, CoolFreeze CF-80 and CoolFreeze CF-110, are ideal for anyone needing to transport food safely. Just like all other CF appliances, they offer normal refrigeration and deep-freezing, the DC + AC feature as well as CF special electronics with valuable extra functions.



Perfect down to the last detail

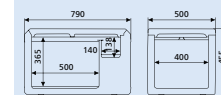
- › CF special electronics with digital temperature display, soft start and turbo cooler
- › Secure closing mechanism
- › Sturdy, detachable carrying handles
- › Interior light as standard
- › Detachable fold-up lid, variable lid mounts
- › Maximum stability with injection moulded parts
- › Slides and insulating protective covers as accessories (p. 38 – 39)

WAECO CoolFreeze CF-80

Large-capacity cooler for refrigeration and deep-freezing with CF special electronics



Gross capacity	approx. 80 litres (73 l for refrigeration/deep-freezing, 7 l for fresh food)
Voltage	12/24 volts DC and 100 – 240 volts AC
Power input	approx. 65 watts
Average running time	12% at +20°C ambient temperature 22% at +32°C ambient temperature both at +5°C interior temperature
Power consumption	Power input x average running time
Temperature range	+10°C to –18°C, free temperature setting via electronic thermostat with digital temperature readout
Insulation	CFC-free PU foam
System	Fully hermetic Danfoss BD50F compressor with integrated control electronics, low voltage protection adjustable for leisure and starter battery via electronic system, electronic fuse/automatic reverse pole protection, dynamically ventilated fin condenser, aluminium rollbond evaporator
Material	Cabinet: coated sheet steel, top and base: PP, lid: PE
Colour	Body: pale grey/dark grey, lid: pale grey
Weight	approx. 31 kg
Quality features	Detachable lid (screw-on lid mount, variable left/right), sturdy latches and hinges, interior light, vertical space for 2-litre bottles. CF special electronics with soft start and turbo cooler (p. 33)
Scope of delivery	DC and AC connection cables, removable wire basket, detachable carrying handles
Test marks	TÜV/GS, e-approved to 2006/28/EC (Automotive EMC Directive)



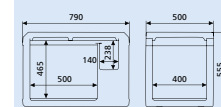
Product	Ref. No.
CoolFreeze CF-80	CF-080AC
Optional extras	
Fridge slide, long	SLD-110
Fridge slide, wide	SLD-110W
Insulating protective cover	IC-CF-80

WAECO CoolFreeze CF-110

Large-capacity cooler for refrigeration and deep-freezing with CF special electronics



Gross capacity	approx. 106 litres (93 l for refrigeration/deep-freezing, 13 l for fresh food)
Voltage	12/24 volts DC and 100 – 240 volts AC
Power input	approx. 65 watts
Average running time	14% at +20°C ambient temperature 25% at +32°C ambient temperature both at +5°C interior temperature
Power consumption	Power input x average running time
Temperature range	+10°C to –18°C, free temperature setting via electronic thermostat with digital temperature readout
Insulation	CFC-free PU foam
System	As for CF-80
Material	Cabinet: coated sheet steel, top and base: PP, lid: PE
Colour	Body: pale grey/dark grey, lid: pale grey
Weight	approx. 33 kg
Quality features	Detachable lid (screw-on lid mount, variable left/right), sturdy latches and hinges, interior light, vertical space for 2-litre bottles. CF special electronics with soft start and turbo cooler (p. 33)
Scope of delivery	DC and AC connection cables, removable wire basket, detachable carrying handles
Test marks	TÜV/GS, e-approved to 2006/28/EC (Automotive EMC Directive)



Product	Ref. No.
CoolFreeze CF-110	CF-110AC
Optional extras	
fridge slide, long	SLD-110
Fridge slide, wide	SLD-110W
Insulating protective cover	IC-CF-110

4.10



Temperature range
+10°C to –18°C



Suitable for
solar operation



12/24 volts DC and
100 – 240 volts AC

Jumbo coolers
for personal and
professional use

Fridge slides and
protective covers
as accessories
(pages 38 – 39)

CF special electronics
with soft start and
turbo cooler



Fridge slides, long and wide version

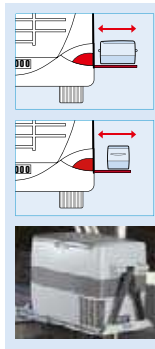
For CoolFreeze CF-32UP/CF-35/CF-40/CF-50

For fastening of WAECO CoolFreeze coolers in vehicles and for convenient loading and unloading

4.10



Material/Colour	Powder coated metal/grey	
Weight	11.5 kg	
Dimensions (W x H x D) mm	SLD-060	Retracted: 421 x 85,4 x 760 Extended: 421 x 85,4 x 1418
	SLD-060W	Retracted: 789 x 85,3 x 475 Extended: 789 x 85,3 x 938
Quality features	50 kg max. load capability, tie-down straps included in the set	
Product	Ref. No.	
Fridge slide, long for CF-32UP/CF-35/40/50	SLD-060	
Fridge slide, wide for CF-32UP/CF-35/40/50	SLD-060W	



Fridge slides, long and wide version

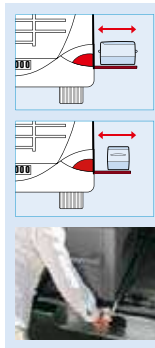
For CoolFreeze CF-80/CF-110

For fastening of WAECO CoolFreeze coolers in vehicles and for convenient loading and unloading

4.10



Material/Colour	Powder coated metal/grey	
Weight	19.4 kg	
Dimensions (W x H x D) mm	SLD-110	Retracted: 574 x 85,4 x 909 Extended: 574 x 85,4 x 1677
	SLD-110W	Retracted: 939 x 85,3 x 690 Extended: 939 x 85,3 x 1368
Quality features	100 kg max load capability, tie-down straps included in the set	
Product	Ref. No.	
Fridge slide, long for CF-80/110	SLD-110	
Fridge slide, wide for CF-80/110	SLD-110W	

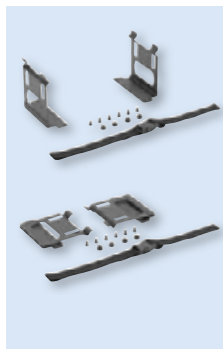


Universal fixing kit

For CoolFreeze CDF-25, CF-32UP, CF-35, CF-40, CF-50

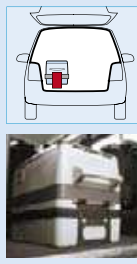
For fastening of WAECO CoolFreeze coolers in vehicles

4.10



Material/Colour	Powder coated metal	
Colour	Black	
Scope of delivery	Two frame sections, adjustable strap with snap lock, set of screws	
Product	Ref. No.	
Universal fixing kit	UFK-C	

For a firm and secure hold in the vehicle



Protective covers for CoolFreeze coolers

The functional all-round protection for your coolers

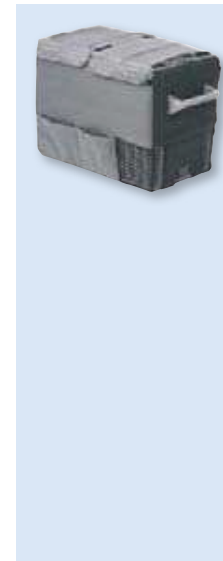
Does the zest for outdoor adventure take you over rough terrain at times? Go ahead, the **insulating protective cover** makes your CoolFreeze cooler fit for tough challenges. The cover protects the valuable appliance from moisture, dust and dirt. It also provides effective insulation, improving the unit's cooling capacity by a full 2°C – at the same energy consumption. The robust and functional all-round protection is available for CoolFreeze models CDF-18/25 and CF-35 to CF-110.



Insulating protective covers

For CoolFreeze CDF-18, CDF-25, CF-35, CF-40, CF-50, CF-80, CF-110

4.10



Material, outside	High-quality silver-grey Oxford nylon, lid and base in robust, rubber coated, black nylon
Material, inside	Aluminium coated polyester
Colour, sides	Silver grey
Colour, lid and base	Black
Quality features	Detachable lid and base, outside pockets to store small items, four fixing rings to secure the box safely in the vehicle

Extra protection and insulation for your cooler

	Dimensions (W x H x D) folded flat	Weight
IC-CF-18	300 x 100 x 500 mm	approx. 1.0 kg
IC-CF-25	300 x 100 x 600 mm	approx. 1.1 kg
IC-CF-35	380 x 100 x 600 mm	approx. 1.3 kg
IC-CF-40	380 x 100 x 600 mm	approx. 1.5 kg
IC-CF-50	400 x 150 x 680 mm	approx. 2.0 kg
IC-CF-80	460 x 120 x 780 mm	approx. 2.2 kg
IC-CF-110	500 x 140 x 780 mm	approx. 2.4 kg

Product	Ref. No.
Protective cover for CoolFreeze CDF-18	IC-CF-18
Protective cover for CoolFreeze CDF-25	IC-CF-25
Protective cover for CoolFreeze CF-35	IC-CF-35
Protective cover for CoolFreeze CF-40	IC-CF-40
Protective cover for CoolFreeze CF-50	IC-CF-50
Protective cover for CoolFreeze CF-80	IC-CF-80
Protective cover for CoolFreeze CF-110	IC-CF-110



Direct access to the controls ...



... and connection sockets



Practical outside pockets for small items



Top insulation in aluminium coated polyester



Ready-to-fit compressor fridges

Concentrated cooling power

Bespoke solutions for smaller galleys

Everything is perfect on board, but there's no room for a fridge? If this is a problem for you, it's about time you take a closer look at the WAECO CoolMatic range of built-in compressor coolers. The super-compact units turn every nook and cranny into useful storage. Equipped with Danfoss BDF compressors they provide high-performance cooling regardless of the temperatures outside and even in inclined positions. WAECO CoolMatic built-in coolers are used on yachts and boats, caravans and trucks... and wherever else every square inch counts.

Built-in coolers

Pages 44 – 45

WAECO CoolMatic CB built-in coolers are opened from the top. This makes them ideal for installation in kitchenettes or benches. Where space is limited the cooling units can be detached and fitted separately.

WAECO CoolMatic CB



Built-in drawer fridges

Pages 46 – 47

Even low-headroom storage space can be used for high-performance compressor cooling – the WAECO CoolMatic CD built-in drawer fridges makes it possible. Also suitable for outside storage compartments, and great as a flybridge fridge.

WAECO CoolMatic CD





CoolMatic CB-36 / CB-40 / CB-110

A matching built-in cooler for every demand: **CoolMatic CB-36** and **CB-40** with **36 or 40 litres** capacity for **refrigeration and deep-freezing**, **CoolMatic CB-110** with **100 litres useful capacity for refrigeration**. All three units owe their extraordinary performance to the tried and tested **Danfoss BD35F compressor**. This high-tech compressor ensures **minimal power consumption, impeccable operation in inclined positions and superbly quiet running**.

Designed for **connection to 12/24 volts** (automatic switch-over), the appliances are perfectly suited for operation with a solar unit. The energy required for cooling can just as easily come from shore power. All you have to do is connect the low-priced mains adapter.

Built-in fridges for the galley

Compact, high-performance top loaders

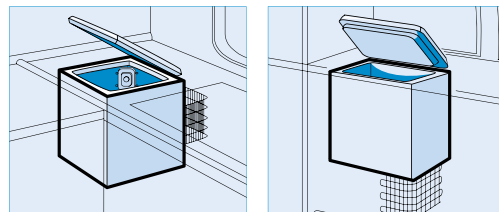
There's no space left on board to accommodate a refrigerator? Take a look at CoolMatic CB, three built-in coolers specifically designed for tricky space problems. Where height and width is limited, they use the depth of the cupboard space instead. In this way, they make optimum use of the available space, while perfectly matching the design of the interior.

Where space is limited the cooling unit can be fitted to the side of the cooler (left/right), or up to 2.5 metres away (up to 1.5 metres with CB-36 and CB-40).

Compact and adaptable

One of them is bound to fit the space: the CoolMatic CB-36 with the cooling unit attached to the side, or the CB-40 (or CB-110) with the attachment underneath. In confined spaces the cooling units can be detached and installed up to 1.5 m away (or 2.5 m with the CB-110).

The lids can be supplied with decors to match the interior design of your galley. This will give an aesthetically pleasing solution.

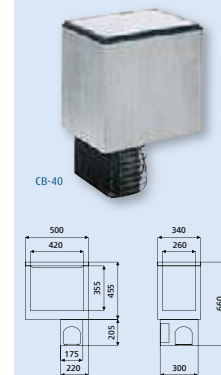


Plenty of space lengthwise? Then take the CB-36 with the cooling unit attached to the side.

Space to spare in the depth? That makes the CB-40 the ideal solution.

WAECO CoolMatic CB-36 / CB-40 / CB-110

Built-in coolers for mobile kitchens



	CB-36	CB-40
Gross capacity	approx. 36 litres	approx. 40 litres
Voltage	12/24 volts DC	
Average power consumption	approx. 45 watts	
Average running time	15% at +20°C ambient temperature, 25% at +32°C ambient temperature, both at +5°C interior temperature	17% at +20°C ambient temperature, 27% at +32°C ambient temperature, both at +5°C interior temperature
Power consumption	Power input x average running time	
Temperature range	From normal refrigeration to **-deep-freezing	
Insulation	40 mm solid polyurethane foam	
System	Fully hermetic Danfoss BD35F compressor with integrated control electronics, low-voltage protection, electronic fuse/automatic reverse pole protection, detachable cooling unit (1.5 m supply cable), three-sided, statically ventilated wire tube condenser mounted on a base plate	
Material	foamed tubular evaporator fitted (invisible)	foamed aluminium rollbond evaporator (invisible)
Colour	Body: grey, decor panel: pale grey	
Weight	18.5 kg	20.0 kg
Quality features	Separate lid inside with sealing and insulation	
Test mark	e-approved to 2006/28/EC (Automotive EMC Directive)	

	CB-110
Gross capacity	approx. 100 litres
Voltage	12/24 volts DC
Average power consumption	approx. 60 watts
Average running time	25% at +20°C ambient temperature, 40% at +32°C ambient temperature, both at +5°C interior temperature
Power consumption	Power input x average running time
Temperature range	+10°C to 0°
Insulation	50 mm solid polyurethane foam
System	Fully hermetic Danfoss BD35F compressor with integrated control electronics, low-voltage protection, electronic fuse/automatic reverse pole protection, detachable cooling unit (2.5 m supply cable), dynamically ventilated fin condenser mounted on a base plate, high-performance air circulating fin evaporator in white plastic housing with brushless fan
Material	Outside: zinc coated sheet steel, inside: stainless steel, base: shock-resistant plastic
Colour	Body: grey, decor panel: pale grey
Weight	27.9 kg
Quality features	Separate, three-section lid inside with sealing and insulation, interior light, detachable wire baskets, outstanding cooling performance at minimal power consumption with high-performance air circulating fin evaporator, rapid-chill capability with air circulating operation, continuously variable thermostat (integrated in the evaporator housing)
Test mark	e-approved to 2006/28/EC (Automotive EMC Directive)

Product	Ref. No.
CoolMatic CB-36	CB-036
CoolMatic CB-40	CB-040
CoolMatic CB-110	CB-110
Optional extras	
Mains adapter 230 V x 24 V	EPS-100W
Mains adapter 110 - 240 V x 24 V	MPS-35



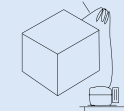
From normal refrigeration to **-deep-freezing



Suitable for solar operation

Cool solutions in confined spaces

L = 1.50 m or 2.50



Detachable cooling unit (1.5 m or 2.5 m supply cable)

vertical space for 2-litre bottles

230-volt connection with low-priced mains adapters (p. 78 - 81)



Drawer fridge – inside or out

30°C in the shade – refreshment from the drawer

An easy-pull drawer on ball-bearing slides: convenience is at your fingertips with WAECO CoolMatic CD-30. The compressor powered drawer fridge is unlocked and opened with a single movement. It turns unused storage space (e.g. under settees and berths) into a 30-litre cold store. Newly designed, elegant front panel in black or white to match the interior decor.



Relaxing in the sun, but no space to spare for snacks and drinks? Help is at hand, thanks to WAECO. The compressor powered drawer fridge, **CoolMatic CD-30**, uses empty niches in the galley, under a settee ...

... and even in an outside storage compartment. More and more boat owners have come to appreciate the **CD-30** as a handy flybridge fridge.

WAECO CoolMatic CD-30 Built-in drawer fridge – inside or out

4.10



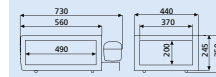
CD-30
black front



CD-30W
white front

Gross capacity	approx. 30 litres
Voltage	12/24 volts DC
Average power consumption	approx. 40 watts
Average running time	20% at +20°C ambient temperature, 40% at +32°C ambient temperature, both at +5°C interior temperature
Temperature range	+12°C to -2°C
System	Fully hermetic Danfoss BD35F compressor with integrated control electronics, low-voltage protection for starter battery, electronic fuse/automatic reverse pole protection, dynamically ventilated wire tube condenser, aluminium rollbond evaporator, heat dissipation to the outside with brushless, wear-free fan
Material	Sturdy metal housing, drawer of injection-moulded parts
Colour	CD-30: black CD-30W: black, front white
Weight	approx. 18 kg
Quality features	Convenient access with easy-pull drawers running on ball bearing slides, temperature regulation with continuously variable thermostat, unlocking and opening with a single movement, safe locking mechanism. A smart solution in confined spaces: the cooling unit can be fitted to the side of the cooler (left/right), or up to 1.5 metres away.
Test marks	TÜV/GS, e-approved to 2006/28/EC (Automotive EMC Directive)

Product	Ref. No.
CoolMatic CD-30	CD-030DC
CoolMatic CD-30W	CD-030DCW
Stainless steel installation frame, four parts with screws	EST-0030
More optional extras	
Mains adapter 230 V > 24 V	EPS-100W
Mains adapter 110 – 240 V > 24 V	MPS-35

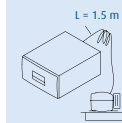


Temperature range
+12°C to -2°C

New, elegant front panel

Redesigned for enhanced crash resistance

The ideal flybridge fridge



A smart solution in confined spaces: the cooling unit can be fitted separately

230-volt connection with low-priced mains adapters (p. 78 – 81)

Fits in where other fridges can't



Easy installation with the **sturdy stainless steel installation frame**. Convenient access to cool snacks and drinks with easy-pull drawers running on ball bearing slides. Unlocking and opening with a single movement. Ideal on the move: **secure closing mechanism** and improved crash-resistance.



Continuously variable thermostat



Perfect
in every detail

Compressor refrigerators

Unbeatable performance

Home-like cooling comfort

Equipped with Danfoss high-tech compressors, the well-proven refrigerators of the WAECO CoolMatic series provide outstandingly intensive, long-lasting refrigeration for mobile applications. Their operation is totally reliable even in tilted positions and high ambient temperatures. They work economically, extremely quietly, and on solar energy, too.

The various models of the CoolMatic series satisfy all requirements an on-board refrigerator has to meet. There's a matching appliance for every kind of boat or yacht and for every kind of room. The interior features compare extremely favourably well with your domestic fridge too...

Premium refrigerators

Tropical-rated compressor refrigerators with luxury equipment: separate *** freezer compartment, double door lock, interior light and a lot more. Excellent, functional design in stainless steel look or chrome finish.

WAECO CoolMatic CR
WAECO CoolMatic CR Chrome



Pages 48 – 57

CoolMatic CR-65 CoolMatic CR-110 CoolMatic CR-50 Chrome CoolMatic CR-80 Chrome CoolMatic CR-140 Chrome

Compact specialists

39-litre capacity and cool CR looks: the CRP-40 built-in refrigerator was designed for smaller boats and yachts. Providing 47 litres extra deep-freeze capacity, the CRF-50 freezer is the ideal complement to your on-board fridge.

WAECO CoolMatic CRP/CRF Pages 58 – 59



CoolMatic CRP-40 CoolMatic CRF-50

Fridge/freezer combo

A fridge and a freezer with the same look and exactly the same dimensions. Side by side, they form a powerful fridge/freezer combo, they can also be used separately.

WAECO CoolMatic RSD/RSF Pages 60 – 61



CoolMatic RSD-115 CoolMatic RSF-115

Cool professional

Jumbo-size refrigerator, tailor-made for the high-end marine market. On the outside, an extra-thick insulating layer to cope with changes in ambient temperature. Inside, just as usefully equipped as a household refrigerator.

WAECO CoolMatic RPD Pages 62 – 63



CoolMatic RPD-190

Jumbo-size cooling on the move

Cooling capacities from 160 to 220 litres, favourable price – the ideal refrigerators for yachts and commercial shipping. Useful extras: pull-out multi-boxes and two separate doors for the cooling and freezing compartments (HDC-190 and HDC-220).

WAECO CoolMatic HDC Pages 64 – 65



CoolMatic HDC-160 CoolMatic HDC-190 CoolMatic HDC-220



A sparkling sight

Premium fridges in stainless look or chrome finish

The exclusive CoolMatic CR refrigerators are designed for people who like to travel First Class. Whether in elegant matt-silver or in the luxurious chrome finish, CoolMatic CR is setting new standards in terms of design, equipment, technology and finish.

One of the outstanding features of CoolMatic CR fridges is their high-standard interior, which matches that of a domestic fridge in every respect. Bottle holder, trays, vegetable compartment – everything you are used to is there. The fact that the high-performance compressor units are tropical-rated, equivalent to DIN EN ISO 7371, is another asset.

The separately insulated *** freezer compartment keeps -18°C even at an ambient temperature of +43°C, while the rest of refrigerator maintains the desired +5°C to +7°C.

The double door locking (top and bottom) provides safety in every position, even on a tilt. Needless to say, the door can be fixed either side and provides the “close-or-vent” double function.

Treat yourself to first-class refrigeration – you’re worth it. Take the CoolMatic CR on board and enjoy the same exclusive cooling convenience you have at home!

Premium refrigerators for yachts and boats



CoolMatic CR-110 Chrome



CoolMatic CR-65 Chrome



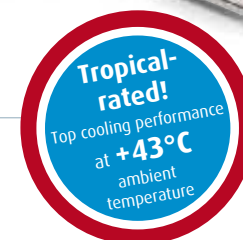
NEW
CoolMatic CR-140 Chrome



CoolMatic CR-80 Chrome

CoolMatic CR-50 Chrome

WAECO CoolMatic CR Chrome



NEW
CoolMatic CR-140

CoolMatic CR-65

CoolMatic CR-110

CoolMatic CR-80

CoolMatic CR-50

CoolMatic CR / CR Chrome

- › Five models each with capacities from 48 to 136 litres and **enhanced equipment**: bottle holder, functional storage trays (CR-110/CR-140 with drawers)
- › Ideal temperature regulation for **refrigeration and deep-freezing**
- › Separately insulated *** freezer compartment
- › **Optimal temperature distribution** due to additional evaporator integrated in the interior
- › Condensation drainage via hose connection or collection tank
- › Double door lock (top/bottom), **variable door mounts**
- › Door lock with dual function (locking/ventilation)
- › **Easy-to-change decor panel**
- › **Tropical-rated** equivalent to DIN EN ISO 7371
- › High-performance cooling technology: **Danfoss BDF compressor**

CoolMatic CR Chrome

- › **Installation frame in stainless steel**
- › **Front panel in brushed stainless steel**
- › **Chrome-plated door frame**

WAECO CoolMatic CR



CoolMatic CR-110

- 1 Double door lock, top and bottom
- 2 Separately insulated *** freezer compartment
- 3 Functional surfaces and trays
- 4 Interior light
- 5 Recessed door grips
- 6 Bottle holder

Functional eye appeal

Elegant design to please even the most discerning eye: **brushed stainless steel finish** outside, frosty **Cool Blue** illumination inside. The well organised interior provides a capacity of **48 to 136 litres**, depending on the model. Ease of use enhanced with clever extras such as **bottle holders** and **storage trays**, both open and closed.

Premium design with Cool Blue light inside

You prefer to travel in style? The high quality finish and high-grade interior of CoolMatic CR refrigerators is very impressive. First-class materials, sparkling surfaces and the aesthetic Cool Blue interior light are all part of the elegant CoolMatic CR design. A feast for the eye.



Recessed door grips

Comfort to get hold of: the recessed door grips allow for gentle and easy opening of CoolMatic doors. Slightly lifting the grip is enough to unlock the door. You can feel the difference: there is no protruding handle to catch yourself on. Slim grips blend harmoniously with the elegant design of the refrigerator doors.



Functional cooling space

The interior design of CoolMatic CR refrigerators is both intelligent and functional. A large bottle holder and a lidded container on the inside door, a vegetable bin and a storage tray provide ample space for fresh food. The CR-110 and the new CR-140 additionally feature a second storage tray, two drawers and one or, respectively, two open door trays.



Separately insulated *** freezer compartment – tropical-rated

Cool cocktails with ice-cubes? Any time! All CoolMatic CR refrigerators feature a separately insulated *** freezer compartment. The thickly foamed evaporator and the extra-strong insulation ensure that a constant -18°C is maintained in the freezer compartment and the desired $+5^{\circ}\text{C}$ to $+7^{\circ}\text{C}$ in the rest of the refrigerator – even when ambient temperatures reach tropical ratings ($+43^{\circ}\text{C}$).



Patented lock: close or vent

The doors of CoolMatic CR refrigerators feature a patented locking mechanism. In cooling mode, the door is fastened top and bottom for double safety. Thus CoolMatic refrigerators will be firmly shut tight – even if the fridge contents push against the door from inside. The “vent” position keeps the door slightly open and provides ventilation when the fridge is not in use.



Installation with standard or flush-mount frame

To install a CoolMatic CR refrigerator in your galley choose the standard or flush-mount installation frame from WAECO's range of accessories. Both options will keep your refrigerator securely in place. Using the flush-mount frame makes for a particularly elegant solution, as the refrigerator door is fitted flush with the other units rather than protruding.



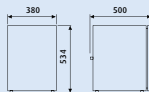
WAECO CoolMatic CR-50 Chrome

Premium built-in refrigerator in chrome finish for yachts and boats

4.24



CR-50 Chrome
Built-in dimensions (WxHxD)
 380 x 534 x 447 mm (without door)
With standard frame:
 384 x 536 x 447 mm
With flush-mount frame:
 406 x 536 x 495 mm



Gross capacity	approx. 48 litres including 5-litre freezer compartment
Voltage	12/24 volts DC
Average power consumption	approx. 40 watts
Current consumption	1.4 Ah/h at +25°C ambient temperature 1.7 Ah/h at +32°C ambient temperature both at +5°C interior temperature and -18°C in the freezer compartment
Insulation	CFC-free polyurethane foam
System	Fully hermetic Danfoss BD35F compressor with integrated control electronics, low-voltage protection, electronic fuse/automatic reverse pole protection, dynamically ventilated wire tube condenser, mechanical, continuously variable thermostat
Material	Stainless steel fittings and decor panel, plastic interior, door frame chrome plated, body with coated metal frame
Colour	Body: black, door frame: chrome, decor panel: brushed stainless steel
Weight	19 kg
Quality features	Interior light, door with magnetic seal, variable door mounts and locks right/left, door with double lock (top/bottom) and dual function (locking/ventilation), separately insulated *** freezer compartment, additional, foamed rear-wall evaporator in the interior, easy-to-change decor panel
Test marks	TÜV/GS, e-approved to 2004/104/EC (Automotive EMC Directive)

Product	Ref. No.
CoolMatic CR-50 Chrome	CR-0050ST
Standard installation frame for CR-50 Chrome	EST-0050ST
Flush-mount installation frame for CR-50 Chrome	EFM-0050ST
Additional optional extra	
Mains adapter 110-240 V > 24 V	MPS-35



Normal refrigeration and *** deep-freezing



Suitable for solar operation



Tropical-rated (equivalent to DIN EN ISO 7371)

Condensation drainage via hose connection or collection tank

Separately insulated *** freezer compartment

4 mounting points for fastening from inside

Easy-to-change decor panel

Standard or flush-mount installation frame available as accessory

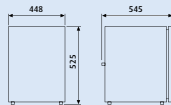
230-volt connection with low-priced mains adapters (p. 78 - 81)

WAECO CoolMatic CR-65 Chrome

Premium built-in refrigerator in chrome finish for yachts and boats



CR-65 Chrome
Built-in dimensions (WxHxD)
 448 x 525 x 492 mm (without door)
With standard frame:
 452 x 527 x 492 mm
With flush-mount frame:
 474 x 527 x 540 mm



Gross capacity	approx. 64 litres including 7.2-litre freezer compartment
Voltage	12/24 volts DC
Average power consumption	approx. 45 watts
Current consumption	1.6 Ah/h at +25°C ambient temperature 1.9 Ah/h at +32°C ambient temperature both at +5°C interior temperature and -18°C in the freezer compartment
Insulation	CFC-free polyurethane foam
System	As for CR-50 Chrome
Material	Stainless steel fittings and decor panel, plastic interior, door frame chrome plated, body with coated metal frame
Colour	black, door frame: chrome, decor panel: brushed stainless steel
Weight	20 kg
Quality features	As for CR-50 Chrome
Test marks	TÜV/GS, e-approved to 2004/104/EC (Automotive EMC Directive)

Product	Ref. No.
CoolMatic CR-65 Chrome	CR-0065ST
Standard installation frame for CR-65 Chrome	EST-0065ST
Flush-mount installation frame for CR-65 Chrome	EFM-0065ST
Additional optional extra	
Mains adapter 110-240 V > 24 V	MPS-35

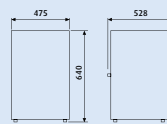
WAECO CoolMatic CR-80 Chrome

Premium built-in refrigerator in chrome finish for yachts and boats

4.24



CR-80 Chrome
Built-in dimensions (WxHxD)
 475 x 640 x 475 mm (without door)
With standard frame:
 479 x 642 x 475 mm
With flush-mount frame:
 501 x 642 x 523 mm



Gross capacity	80 litres including 7.9-litre freezer compartment
Voltage	12/24 volts DC
Average power consumption	approx. 48 watts
Current consumption	1.8 Ah/h at +25°C ambient temperature 2.1 Ah/h at +32°C ambient temperature both at +5°C interior temperature and -18°C in the freezer compartment
Insulation	CFC-free polyurethane foam
System	Fully hermetic Danfoss BD35F compressor with integrated control electronics, low-voltage protection, electronic fuse/automatic reverse pole protection, dynamically ventilated wire tube condenser, mechanical, continuously variable thermostat
Material	Stainless steel fittings and decor panel, plastic interior, door frame chrome plated, body with coated metal
Colour	Body: black, door frame: chrome, decor panel: brushed stainless steel
Weight	23 kg
Quality features	Interior light, door with magnetic seal, variable door mounts and locks right/left, door with double lock (top/bottom) and dual function (locking/ventilation), separately insulated *** freezer compartment, additional, foamed rear-wall evaporator in the interior, easy-to-change decor panel
Test marks	TÜV/GS, e-approved to 2004/104/EC (Automotive EMC Directive)

Product	Ref. No.
CoolMatic CR-80 Chrome	CR-0080ST
Standard installation frame for CR-80 Chrome	EST-0080ST
Flush-mount installation frame for CR-80 Chrome	EFM-0080ST
Additional optional extra	
Mains adapter 110-240 V > 24 V	MPS-35



Normal refrigeration and *** deep-freezing



Suitable for solar operation



Tropical-rated (equivalent to DIN EN ISO 7371)

Condensation drainage via hose connection or collection tank

Separately insulated *** freezer compartment

4 mounting points for fastening from inside

Easy-to-change decor panel

Standard or flush-mount installation frame available as accessory

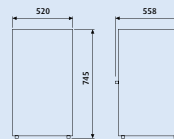
230-volt connection with low-priced mains adapters (p. 78 - 81)

WAECO CoolMatic CR-110 Chrome

Premium built-in refrigerator in chrome finish for yachts and boats



CR-110 Chrome
Built-in dimensions (WxHxD)
 520 x 745 x 505 mm (without door)
With standard frame:
 524 x 747 x 505 mm
With flush-mount frame:
 546 x 747 x 553 mm



Gross capacity	approx. 108 litres including 10.2-litre freezer compartment
Voltage	12/24 volts DC
Average power consumption	approx. 50 watts
Current consumption	2.2 Ah/h at +25°C ambient temperature 2.5 Ah/h at +32°C ambient temperature both at +5°C interior temperature and -18°C in the freezer compartment
Insulation	CFC-free polyurethane foam
System	As for CR-80 Chrome
Material	Stainless steel fittings and decor panel, plastic interior, door frame chrome plated, body with coated metal frame
Colour	Body: black, door frame: chrome, decor panel: brushed stainless steel
Weight	28 kg
Quality features	As for CR-80 Chrome
Test marks	TÜV/GS, e-approved to 2004/104/EC (Automotive EMC Directive)

Product	Ref. No.
CoolMatic CR-110 Chrome	CR-0110ST
Standard installation frame for CR-110 Chrome	EST-0110ST
Flush-mount installation frame for CR-110 Chrome	EFM-0110ST
Additional optional extra	
Mains adapter 110-240 V > 24 V	MPS-35

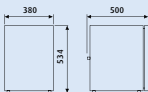
WAECO CoolMatic CR-50

Premium built-in refrigerator in stainless steel finish for yachts, boats and motorhomes

4.24



CR-50
Built-in dimensions (W x H x D)
 380 x 534 x 447 mm (without door)
With standard frame:
 384 x 536 x 447 mm
With flush-mount frame:
 406 x 536 x 495 mm



Gross capacity	approx. 48 litres including 5-litre freezer compartment
Voltage	12/24 volts DC
Average power consumption	approx. 40 watts
Current consumption	1.4 Ah/h at +25°C ambient temperature 1.7 Ah/h at +32°C ambient temperature both at +5°C interior temperature and -18°C in the freezer compartment
Insulation	CFC-free polyurethane foam
System	Fully hermetic Danfoss BD35F compressor with integrated control electronics, low-voltage protection, electronic fuse/automatic reverse pole protection, dynamically ventilated wire tube condenser, mechanical, continuously variable thermostat
Material	Stainless steel fittings, plastic interior, plastic door frame, body with coated metal frame
Colour	Body: black, door frame: silver, door panel: matt-silver (brushed stainless steel appearance)
Weight	19 kg
Quality features	Interior light, door with magnetic seal, variable door mounts and locks right/left, door with double lock (top/bottom) and dual function (locking/ventilation), separately insulated *** freezer compartment, additional, foamed rear-wall evaporator in the interior, easy-to-change decor panel
Test marks	TÜV/GS, e-approved to 2004/104/EC (Automotive EMC Directive)

Product	Ref. No.
CoolMatic CR-50	CR-0050E
Standard installation frame for CR-50	EST-0050E
Flush-mount installation frame for CR-50	EFM-0050E
Additional optional extra	
Mains adapter 110-240 V › 24 V	MPS-35



Normal refrigeration and *** deep-freezing



Suitable for solar operation



Tropical-rated (equivalent to DIN EN ISO 7371)

Condensation drainage via hose connection or collection tank

Separately insulated *** freezer compartment

4 mounting points for fastening from inside

Easy-to-change decor panel

Standard or flush-mount installation frame available as accessory

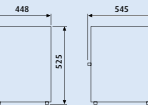
230-volt connection with low-priced mains adapters (p. 78 - 81)

WAECO CoolMatic CR-65

Premium built-in refrigerator in stainless steel finish for yachts, boats and motorhomes



CR-65
Built-in dimensions (W x H x D)
 448 x 525 x 492 mm (without door)
With standard frame:
 452 x 527 x 492 mm
With flush-mount frame:
 474 x 527 x 540 mm



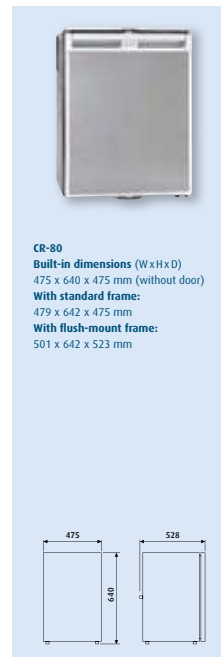
Gross capacity	approx. 64 litres including 7.2-litre freezer compartment
Voltage	12/24 volts DC
Average power consumption	approx. 45 watts
Current consumption	1.6 Ah/h at +25°C ambient temperature 1.9 Ah/h at +32°C ambient temperature both at +5°C interior temperature and -18°C in the freezer compartment
Insulation	CFC-free polyurethane foam
System	As for CR-50
Material	Stainless steel fittings, plastic interior, plastic door frame, body with coated metal frame
Colour	Body: black, door frame: silver, door panel: matt-silver (brushed stainless steel appearance)
Weight	20 kg
Quality features	As for CR-50
Test marks	TÜV/GS, e-approved to 2004/104/EC (Automotive EMC Directive)

Product	Ref. No.
CoolMatic CR-65	CR-0065E
Standard installation frame for CR-65	EST-0065E
Flush-mount installation frame for CR-65	EFM-0065E
Additional optional extra	
Mains adapter 110-240 V › 24 V	MPS-35

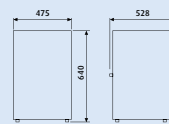
WAECO CoolMatic CR-80

Premium built-in refrigerator in stainless steel finish for yachts, boats and motorhomes

4.24



CR-80
Built-in dimensions (W x H x D)
 475 x 640 x 475 mm (without door)
With standard frame:
 479 x 642 x 475 mm
With flush-mount frame:
 501 x 642 x 523 mm



Gross capacity	approx. 80 litres including 7.9-litre freezer compartment
Voltage	12/24 volts DC
Average power consumption	approx. 48 watts
Current consumption	1.8 Ah/h at +25°C ambient temperature 2.1 Ah/h at +32°C ambient temperature both at +5°C interior temperature and -18°C in the freezer compartment
Insulation	CFC-free polyurethane foam
System	Fully hermetic Danfoss BD35F compressor with integrated control electronics, low-voltage protection, electronic fuse/automatic reverse pole protection, dynamically ventilated wire tube condenser, mechanical, continuously variable thermostat
Material	Stainless steel fittings, plastic interior, plastic door frame, body with coated metal frame
Colour	Body: black, door frame: silver, door panel: matt-silver (brushed stainless steel appearance)
Weight	23 kg
Quality features	Interior light, door with magnetic seal, variable door mounts and locks right/left, door with double lock (top/bottom) and dual function (locking/ventilation), separately insulated *** freezer compartment, additional, foamed rear-wall evaporator in the interior, easy-to-change decor panel
Test marks	TÜV/GS, e-approved to 2004/104/EC (Automotive EMC Directive)

Product	Ref. No.
CoolMatic CR-80	CR-0080E
Standard installation frame for CR-80	EST-0080E
Flush-mount installation frame for CR-80	EFM-0080E
Additional optional extra	
Mains adapter 110-240 V › 24 V	MPS-35



Normal refrigeration and *** deep-freezing



Suitable for solar operation



Tropical-rated (equivalent to DIN EN ISO 7371)

Condensation drainage via hose connection or collection tank

Separately insulated *** freezer compartment

4 mounting points for fastening from inside

Easy-to-change decor panel

Standard or flush-mount installation frame available as accessory

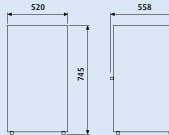
230-volt connection with low-priced mains adapters (p. 78 - 81)

WAECO CoolMatic CR-110

Premium built-in refrigerator in stainless steel finish for yachts, boats and motorhomes



CR-110
Built-in dimensions (W x H x D)
 520 x 745 x 505 mm (without door)
With standard frame:
 524 x 747 x 505 mm
With flush-mount frame:
 546 x 747 x 553 mm



Gross capacity	approx. 108 litres including 10.2-litre freezer compartment
Voltage	12/24 volts DC
Average power consumption	approx. 50 watts
Current consumption	2.2 Ah/h at +25°C ambient temperature 2.5 Ah/h at +32°C ambient temperature both at +5°C interior temperature and -18°C in the freezer compartment
Insulation	CFC-free polyurethane foam
System	As for CR-80
Material	Stainless steel fittings, plastic interior, plastic door frame, body with coated metal frame
Colour	Body: black, door frame: silver, door panel: matt-silver (brushed stainless steel appearance)
Weight	28 kg
Quality features	As for CR-80
Test marks	TÜV/GS, e-approved to 2004/104/EC (Automotive EMC Directive)

Product	Ref. No.
CoolMatic CR-110	CR-0110E
Standard installation frame for CR-110	EST-0110E
Flush-mount installation frame for CR-110	EFM-0110E
Additional optional extra	
Mains adapter 110-240 V › 24 V	MPS-35



Crowning a successful range

Premium refrigerator with extra-large capacity

Exclusive cooling comfort for medium and large yachts: in response to the wishes of many of our customers we have extended the successful WAECO CoolMatic CR series "at the high end". The result: the new CoolMatic CR-140, a top model by any standards.

Featuring the quality characteristics of the CoolMatic refrigerator series, it immediately takes the lead with its ample 136-litre capacity. And extends that lead with a special technical highlight: being the only DC/AC fridge in the CoolMatic CR range, the CR-140 can be operated on 12/24 volts DC and 100 - 240 volts AC. Available in elegant matt-silver or in sparkling chrome.



CoolMatic CR-140 / CR-140 Chrome

- › 136-litre capacity including 11.5-litre *** freezer compartment, separately insulated
- › Enhanced equipment: bottle holder, two spacious drawers, diverse storage trays
- › Ideal temperature regulation, optimal temperature distribution due to additional evaporator integrated in the interior
- › Tropical-rated equivalent to DIN EN ISO 7371
- › Double door lock (top/bottom), door lock with dual function (locking/ventilation)



WAECO CoolMatic CR-140 / CR-140 Chrome

Premium built-in refrigerator in stainless steel or chrome finish for yachts and boats

4.24

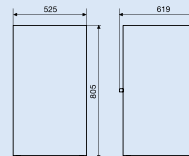


CR-140



CR-140 Chrome

CR-140 / CR-140 Chrome
Built-in dimensions (WxHxD)
 525 x 805 x 569 mm (without door)
With standard frame:
 529 x 807 x 569 mm
With flush-mount frame:
 551 x 807 x 619 mm



Gross capacity	approx. 136 litres including 11.5-litre freezer compartment
Voltage	12/24 volts DC and 100 - 240 volts AC
Average power consumption	approx. 65 watts
Current consumption	2.3 Ah/h at +25°C ambient temperature 2.6 Ah/h at +32°C ambient temperature both at +5°C interior temperature and -18°C in the freezer compartment
Insulation	CFC-free polyurethane foam
System	Fully hermetic Danfoss BD35F compressor with integrated control electronics, low-voltage protection, electronic fuse/automatic reverse pole protection, dynamically ventilated wire tube condenser, mechanical, continuously variable thermostat
Material	CR-140: stainless steel fittings, plastic interior, plastic door frame, body with coated metal frame CR-140 Chrome: stainless steel fittings and decor panel, plastic interior, door frame chrome plated, body with coated metal frame
Colour	CR-140: Body: black, door frame: silver, door panel: matt-silver (brushed stainless steel appearance) CR-140 Chrome: Body: black, door frame: chrome, decor panel: brushed stainless steel
Weight	32 kg
Quality features	Interior light, door with magnetic seal, variable door mounts and locks right/left, door with double lock (top/bottom) and dual function (locking/ventilation), separately insulated *** freezer compartment, additional, foamed rear-wall evaporator in the interior, easy-to-change decor panel
Test marks	TÜV/GS, e-approved to 2004/104/EC (Automotive EMC Directive)

Product	Ref. No.
CoolMatic CR-140	9105600002
CoolMatic CR-140 Chrome	9105600003
Standard installation frame for CR-140	9105900001
Standard installation frame for CR-140 Chrome	9105900002
Flush-mount installation frame for CR-140	9105900003
Flush-mount installation frame for CR-140 Chrome	9105900004

NEW



Normal refrigeration and *** deep-freezing



Suitable for solar operation



Tropical-rated (equivalent to DIN EN ISO 7371)



12/24 volts DC and 100 - 240 volts AC

Condensation drainage via hose connection or collection tank

Separately insulated *** freezer compartment

Easy-to-change decor panel

Standard or flush-mount installation frame available as accessory



Functional cooling space with enhanced equipment and 136-litre capacity

Refrigerator closed

Refrigerator in vent position

Standard or flush-mount frame - whichever you prefer



Small and smart at a good price

Compact refrigerator, elegant looks

Its matt-silver door panel catches the eye. Designed for smaller yachts and boats, the new CoolMatic CRP-40 adds an elegant touch to the galley. Inside, it's amazingly spacious: 39 litres cooling capacity, including a generously

sized freezer compartment. Well-proven compressor technology makes for excellent cooling results, tailor-made installation frames for a flawless finish.

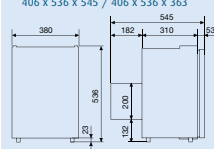
WAECO CoolMatic CRP-40

Premium built-in refrigerator for yachts, boats and motorhomes

4.24



Built-in dimensions
without door (W x H x D)
with / without cooling unit:
380 x 534 x 492 / 380 x 534 x 310
With standard frame
with / without cooling unit:
384 x 536 x 492 / 384 x 536 x 310
With flush-mount frame
with / without cooling unit:
406 x 536 x 545 / 406 x 536 x 363



Gross capacity	39 litres including 5.3-litre freezer compartment
Voltage	12/24 volts DC
Average power consumption	40 watts
Average running time	23% at +20°C ambient temperature, 35% at +32°C ambient temperature, both at +5°C interior temperature
Current consumption	Power input x average running time
Insulation	CFC-free polyurethane foam
System	Fully hermetic Danfoss BD35F compressor with integrated control electronics, low-voltage protection, electronic fuse/automatic reverse pole protection, aluminium rollbond evaporator, mechanical, continuously variable thermostat, statically ventilated wire tube condenser
Material	Stainless steel fittings, plastic interior, body of coated sheet steel
Colour	Body: black, door frame: silver, door panel: matt-silver (brushed stainless steel appearance)
Weight	18 kg
Quality features	Door with magnetic seal, variable door mounts and locks right/left, door with double lock (top/bottom) and dual function (locking/ventilation), easy-to-change decor panel. Where space is limited, the cooling unit can be fitted up to 1.5 m away from the refrigerator.
Test marks	TÜV/GS, e-approved to 2006/28/EC (Automotive EMC Directive)

Normal refrigeration and deep-freezing

Suitable for solar operation

Standard or flush-mount installation frame available as accessory

Easy-to-change decor panel

Ideal in confined spaces: cooling unit can be fitted separately



230-volt connection with low-priced mains adapters (p. 78 - 81)

Product	Ref. No.
CoolMatic CRP-40	9105600001
Standard installation frame	EST-0050E
Flush-mount installation frame	EFM-0065E
Additional optional extra Mains adapter 110-240 V > 24 V	MPS-35

Single or side-by-side partner

Separate freezer CRF-50

Too little space for frozen food in your on-board refrigerator? Place the CoolMatic CRF-50 freezer by its side! Thanks to its special construction the compact unit provides a generous 47-litre capacity for deep-freezing.

Its chic stainless steel looks make it a perfect match for the CoolMatic CR-65 refrigerator. Great as part of a combo - really useful on its own.

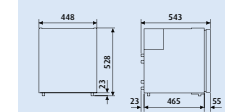
WAECO CoolMatic CRF-50

*** freezer with 47 litres capacity

4.24



Built-in dimensions (W x H x D)
448 x 528 x 488 mm (without door)
With standard frame:
448 x 528 x 492 mm
With flush-mount frame:
474 x 528 x 540 mm



Gross capacity	approx. 47 litres
Voltage	12/24 volts DC
Average power consumption	approx. 45 watts
Average running time	45% at +20°C ambient temperature, 65% at +32°C ambient temperature, both at -18°C interior temperature
Current consumption	Power input x average running time
Insulation	CFC-free polyurethane foam
System	Fully hermetic Danfoss BD35F compressor with integrated control electronics, low-voltage protection, electronic fuse/automatic reverse pole protection, dynamically ventilated wire tube condenser, aluminium rollbond evaporator foamed from behind, manually adjustable deep-freeze thermostat
Material	Fittings in stainless steel, door frame in plastic, body with coated metal frame
Colour	Body: black, door frame: silver, door panel: matt-silver (brushed stainless steel appearance)
Weight	approx. 25 kg
Quality features	Condensation drain, interior light, door with magnetic seal, variable door hinges and locks (right/left), door with double lock (top/bottom) and dual function (locking/ventilation), easy-to-change decor panel
Test marks	TÜV/GS, e-approved to 2006/28/EC (Automotive EMC Directive)

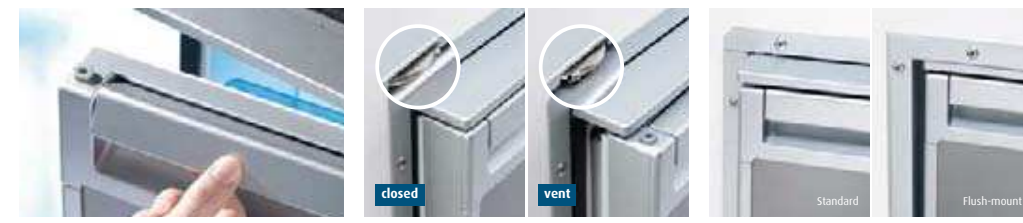
Product	Ref. No.
CoolMatic CRF-50	CRF-0050E
Standard installation frame	EST-0065E
Flush-mount installation frame	EFM-0065E
Additional optional extra Mains adapter 230 V > 24 V	EPS-100W
Mains adapter 110 - 240 V > 24 V	MPS-35

Deep-freezing up to -18°C

Easy-clean plastic interior with condensation drainage

Easy-to-change decor panel

230-volt connection with low-priced mains adapters (p. 78 - 81)



Comfort feature: the recessed door grip | Refrigerator closed | Refrigerator in "vent" position | Standard or flush-mount frame - whichever you prefer



The "side-by-side" solution for perfectionists

Fridge/freezer combination with WAECO CoolMatic RSD-115/RSF-115

The same outer dimensions, the same front in stainless steel, and even the same capacities (115 litres each): the **CoolMatic RSD-115** refrigerator and the **RSF-115** freezer are **an elegant duo**.

Side by side, they form a **powerful fridge/freezer** combo with a **total capacity of 230 litres**, and they can also be used separately.



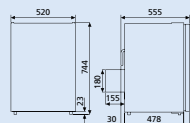
WAECO CoolMatic RSD-115 / RSF-115

Compressor refrigerator or freezer with stainless steel interior and stainless steel front



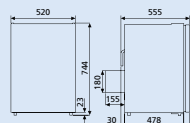
RSD-115

Built-in dimensions without cooling unit (W x H x D)
With standard frame:
 528 x 744 x 507 mm
With flush-mount frame:
 543 x 740 x 550 mm



RSF-115

Built-in dimensions without cooling unit (W x H x D)
With standard frame:
 528 x 744 x 507 mm
With flush-mount frame:
 543 x 740 x 550 mm



	RSD-115	RSF-115 freezer
Gross capacity	approx. 115 litres	approx. 115 litres
Voltage	12/24 volts DC	12/24 volts DC
Average power consumption	approx. 45 watts	approx. 50 watts
Average running time	30% at +20°C, 45% at +32°C ambient temperature both at +5°C interior temperature	50% at +20°C, 70% at +32°C ambient temperature both at -18°C interior temperature
Current consumption	Power input x average running time	
Temperature range	Refrigeration	***-deep-freezing
Insulation	50 mm polyurethane, CFC-free	
System	Detachable cooling unit (W 358 x H 180 x D 155 mm) with 2 m supply cord, fully hermetic Danfoss BD35F compressor with integrated control electronics, low-voltage protection for leisure or starter battery, electronic fuse/automatic reverse pole protection, dynamically ventilated fin condenser, aluminium rollbond evaporator, mechanical, continuously variable thermostat	
Material	Door frame in plastic, body with coated metal frame, door panel and interior in stainless steel	
Colour	Body and frame: black, door panel: silver (exchangeable)	
Weight	28.5 kg	
Quality features	Interior light, door with magnetic seal, variable door mounts and locks (right/left), door with double lock (top/bottom) and dual function (locking/ventilation); RSF-115: condensation drain in the stainless steel interior	
Test marks	TÜV/GS, e-approved to 2006/28/EC (Automotive EMC Directive)	

Product	Ref. No.
CoolMatic RSD-115	RSD-0115E
CoolMatic RSF-115	RSF-0115E
Standard installation frame	EST-0400
Flush-mount installation frame	EFM-0400
Additional optional extra	
Mains adapter 230 V > 24 V	EPS-100W
Mains adapter 110 - 240 V > 24 V	MPS-35



RSF-115:
 Deep-freezing
 up to -18°C
RSD-115:
 Normal refrigeration



Suitable for solar operation

Fridge and freezer as side-by-side solution

Standard or flush-mount installation frame available as accessory



Ideal in confined spaces: separate cooling unit, can be fitted up to two metres away from the refrigerator



Condensation drain in the stainless steel interior of the RSF-115

230-volt connection with low-priced mains adapters (p. 78 - 81)



A clear overview day and night: interior light as standard



Easy to clean and hygienic: the stainless steel interior



Fold-up front grille to stop loose items from sliding



On-board fridge for highest demands

Top technology, great insulation, cool convenience!



Integrated mains adapter for 110 – 240 volts AC and flush-mount installation frame as standard!

A cooling appliance of superlatives, tailor-made for the top end of the marine market.

Outside, a reinforced insulation that resists all temperature fluctuations. Inside, well thought-out just like a domestic fridge. It's name? WAECO CoolMatic RPD-190.

CoolMatic RPD-190

In the **CoolMatic RPD-190**, the refrigeration and deep-freeze compartments can be accessed separately, which prevents unnecessary cooling losses when you open the doors. The generously dimensioned **45-litre freezer compartment** cools down to **-18°C**. Both doors feature a patented double-lock mechanism.

Outstanding cooling performance, minimal power consumption and superbly silent running are provided by the **Danfoss BD50F compressor**. The refrigerator can be connected to either **12/24 volts DC or 110 – 240 volts AC**. Supplied with a flush-mount installation frame, it blends harmoniously with the on-board interior.

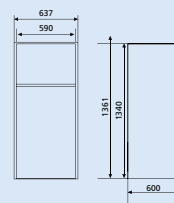
WAECO CoolMatic RPD-190

Compressor refrigerator with separate freezer compartment

4.04



Built-in dimensions with flush-mount frame (W x H x D)
590 x 1340 x 600 mm
same built-in dimensions as Norcold DE461



Gross capacity	approx. 185 litres including 45-litre freezer compartment
Voltage	12/24 volts DC and 110 – 240 volts AC
Average power consumption	approx. 65 watts
Average running time	30% at +20°C ambient temperature, 45% at +32°C ambient temperature, both at +5°C interior temperature
Current consumption	Power input x average running time
Temperature range	Refrigeration: +2°C to +12°C, deep-freezing: up to -18°C
Insulation	Refrigeration: 40 – 45 mm, deep-freezing: 75 – 80 mm polyurethane, CFC-free
System	Fully hermetic Danfoss BD50F compressor with integrated control electronics, electronic fuse/automatic reverse pole protection, dynamically ventilated air outlet, evaporator foamed from behind, manually adjustable thermostat
Material	Stainless steel fittings, plastic interior, metal cabinet
Colour	Black
Weight	approx. 45 kg
Quality features	Condensation drain, interior light, doors with magnetic seal, variable door hinges and locks (right/left), exchangeable door panel, patented door lock (top/bottom) for both doors and additional dual function (locking/ventilation), flush-mount installation frame, wide choice of extras (vegetable bins, trays, etc.)
Test marks	TÜV/GS, e-approved to 2006/28/EC (Automotive EMC Directive)

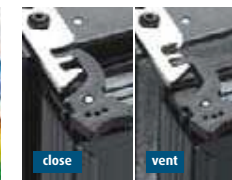
Product	Ref. No.
CoolMatic RPD-190	RPD-1190E



The extra-strong insulation leaves temperature fluctuations outside



A view inside: perfect design with many details for extra convenience



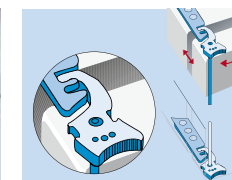
The patented door lock when closed and in "vent" position



Quick and easy cleaning thanks to the "Easy-clean" feature



Interior light as standard for a clear view in the dark



The patented double-lock system gives a firm seal at top and bottom



Normal refrigeration and *** deep-freezing



Suitable for solar operation



12/24 volts DC and 110 – 240 volts AC

Premium appliance for larger yachts: ultimate power and user comfort!

Flush-mount installation frame available as standard

Danfoss BDF technology for home-like cooling comfort



Condenser ventilation with fan



CoolMatic HDC-160

CoolMatic HDC-190

CoolMatic HDC-220

Jumbo-size cooling

Compressor refrigerators for commercial shipping and large yachts

With capacities ranging from 160 to 220 litres, they are as big as household refrigerators. Featuring a well organised interior with separate freezer compartments and pull-out multi-boxes, they offer the same comforts as their domestic counterparts. The difference is: the snow-white CoolMatic HDC refrigerators have been designed inside out for mobile use and offer a fantastic price/performance ratio.



Large *** freezer compartment



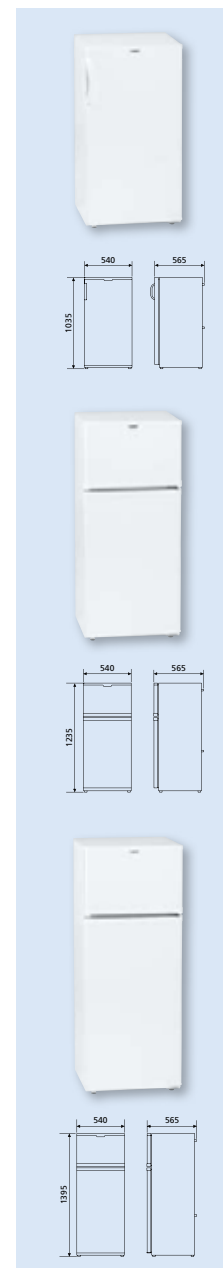
Transport lock



Interior light

WAECO CoolMatic HDC-160 / HDC-190 / HDC-220

Jumbo-size compressor refrigerators



HDC-160	
Gross capacity	156 litres including 16-litre *** freezer compartment
Voltage	12/24 volts DC
Average power consumption	approx. 60 watts
Average running time	25% at +20°C ambient temperature and +5°C interior temperature
Current consumption	Power input x average running time
Insulation	Solid polyurethane foam
System	Fully hermetic Danfoss BD50F compressor with integrated control electronics, low-voltage protection, electronic fuse/automatic reverse pole protection, mechanical, continuously variable thermostat
Material	Body and doors in sheet steel, interior of impact-resistant polystyrene
Colour	Cabinet, inside door lining and interior: white
Weight	36 kg
Quality features	Interior light, door with magnetic seal, variable door hinges and locks (right/left)
Scope of delivery	Two pull-out multi-boxes, two height-adjustable, plastic-coated grilles
Test marks	TUV/GS, e-approved to 2006/28/EC (Automotive EMC Directive)

Product	Ref. No.
CoolMatic HDC-160	HDC-160
Optional extra	
Mains adapter 110 - 240 V > 24 V	MPS-50

HDC-190	
Gross capacity	approx. 185 litres including 45-litre *** freezer compartment
Average running time	35% at +20°C ambient temperature and +5°C interior temperature
Weight	39 kg
Quality features	Interior light, door with magnetic seal, variable door hinges and locks (right/left), two separate doors
Scope of delivery	Two pull-out multi-boxes, two height-adjustable, plastic-coated grilles

Other specifications as for CoolMatic HDC-160

Product	Ref. No.
CoolMatic HDC-190	HDC-190
Optional extra	
Mains adapter 110 - 240 V > 24 V	MPS-50

HDC-220	
Gross capacity	approx. 214 litres including 46-litre *** freezer compartment
Average running time	40% at +20°C ambient temperature and +5°C interior temperature
Weight	44 kg
Quality features	Interior light, door with magnetic seal, variable door hinges and locks (right/left), two separate doors
Scope of delivery	Two pull-out multi-boxes, three height-adjustable, plastic-coated grilles

Other specifications as for CoolMatic HDC-160

Product	Ref. No.
CoolMatic HDC-220	HDC-220
Optional extra	
Mains adapter 110 - 240 V > 24 V	MPS-50



Deep-freezing up to -18 °C



Suitable for solar operation

HDC-160: Large freezer compartment

HDC-190 / HDC-220: Large freezer compartment with separate door

230-volt connection with low-priced mains adapters (p. 78 - 81)



**Ideal for
DIY fitting!**

Cooling units

For entry-level and professional use

Tailor-made cooling solutions for all applications

Where standard units don't fit, tailor-made fridge space must be provided – an easy task with WAECO ColdMachine cooling units. Supplied with pre-charged refrigerant and self-sealing valve couplings, they are fine for do-it-yourself installation. Three different series are available to cater for all applications.

WAECO ColdMachine cooling units work with power-regulated Danfoss BDF compressors. They are powerful, economical and superbly quiet in operation, tilt-insensitive and ready for connection to 12/24 volts DC. Each series comes with complementary evaporators specifically designed to match the performance of the compressor fitted.

Compressors with adaptive speed control

Every refrigeration system comprises a compressor, a condenser and an evaporator. To ensure efficient operation the three key components must be perfectly coordinated. The WAECO range includes a variety of condensers and evaporators for optimal configuration.

WAECO exclusively uses the adaptive speed Danfoss compressors BD35F and BD50F. These compressors contribute significantly to the supreme efficiency of WAECO refrigeration systems – along with the following factors:

- | The compressor speed adapts precisely to the performance requirements of the other system components (evaporator and condenser).
- | Both compressor types can be supplied with plate and fin evaporators in a range of shapes and sizes. This ensures that every shape of container can be equipped correctly. It also makes optimum use of the compressor performance.
- | The dynamically ventilated or water-cooled condenser units always guarantee the required heat diffusion.

Entry-level units at a super price

- Designed for small refrigerator capacities (**up to approx. 130 litres**) and for use in **cool waters**
- | Equipped with the power-regulated Danfoss BD35F compressor
- | Two air-cooled units of different body shapes
- | Three evaporator types and one cold accumulator, each designed to precisely match the compressor performance
- | Corrosion-resistant stainless steel mounting plate
- | Impeccable operation in inclined position

WAECO ColdMachine Serie 50



ColdMachine 55

Pages 68 – 69

Professional units for individual cooling comfort

- Designed for small and medium refrigerator capacities (**up to approx. 250 litres**) and for use in **warmer waters**
- | Equipped with the power-regulated Danfoss BD35F compressor
- | Three air-cooled units of different body shapes and one water-cooled unit
- | Seven evaporator types and one cold accumulator with automatic programme controller, each designed to precisely match the compressor performance
- | Corrosion-resistant stainless steel mounting plate
- | Impeccable operation in inclined position

WAECO ColdMachine Serie 80



ColdMachine 84

Pages 70 – 73

Professional units for highest demands

- Designed for extra-large refrigerator capacities (**up to approx. 400 litres**), for deep-freeze cooling (up to approx. 200 litres) and for use in **tropical waters**
- | Equipped with the power-regulated Danfoss BD50F compressor (25% more cooling power)
- | Three air-cooled units of different body shapes and one water-cooled unit
- | Three evaporator types and one cold accumulator with automatic programme controller, each designed to precisely match the compressor performance
- | Corrosion-resistant stainless steel mounting plate
- | Impeccable operation in inclined positions
- | **With AEO electronics (Adaptive Energy Optimiser), see page 75**

WAECO ColdMachine Serie 90



ColdMachine 96

Pages 74 – 77

Choosing the right cooling unit and mounting location



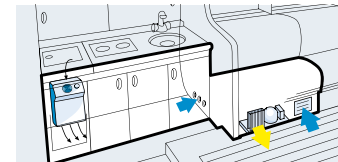
Condenser:
With air or water cooling?

Air-cooled units are easier to install than water-cooled units. And they are just as efficient in most cases, because the air temperature at the ship's hull below the water line is barely higher than the water temperature. Water cooling is recommended in cases where the cooling unit is installed in the engine room or if the yacht will mostly be sailing in tropical waters.



Evaporator:
Plate or fin type?

The larger the surface of an evaporator, the more heat it can absorb, and the greater its capacity. For small refrigerator volumes low-cost plate evaporators are ideal. Fin-type evaporators have up to five times more surface area than plate evaporators of the same size. If the air exchange is increased by fans (circulating air evaporators) excellent refrigeration and deep-freeze capability can even be achieved in tropical temperatures.



The ideal mounting location:
Where is the air coolest on a ship?

Clear answer: the best location is below the water line, because here, the air is already cooled by the water temperature. WAECO offers cooling units in various designs, so that even the most awkwardly shaped space can be used. During installation, it is necessary to ensure that the unit has adequate air circulation. This can be achieved by simple slots or holes, or by means of the air exhaust hood available as accessory.

WAECO ColdMachine 54 / 55

Entry-level units for small refrigeration capacities and for use in cool waters



CU-54



CU-55

Cooling capacities	130 litres max. normal refrigeration with direct evaporators, 100 litres max. with cold accumulators
Voltage	12/24 volts DC
Power input	approx. 35 or 40 watts, depending on the evaporator type
System	Fully hermetic Danfoss BD35F compressor with control electronics and integrated low-voltage protection, low-voltage cut-off, electronic reverse pole protection, dynamically ventilated wire tube condenser, self-sealing valve couplings
Dimensions (W x H x D)	386 x 155 x 130 mm (CU-54) 220 x 160 x 220 mm (CU-55)
Weight	approx. 6.0 kg (CU-54) approx. 6.5 kg (CU-55)
Quality features	Suitable for floor mounting, corrosion-resistant stainless steel mounting plate

Product	Ref. No.
ColdMachine 54	CU-54
ColdMachine 55	CU-55
Optional extras: Mains adapter 230 V · 24 V EPS-100W	
Mains adapter 110 – 240 V · 24 V	MP5-35

WAECO ColdMachine

Cooling unit + evaporator at a favourable package price



Cooling unit and evaporator package	
Package 1 consisting of	WAECO ColdMachine CU-55 and L-evaporator VD-01
Package 2 consisting of	WAECO ColdMachine CU-55 and O-evaporator VD-07
Attractive package price!	
Product	Ref. No.
ColdMachine 55 + L-evaporator VD-01	9106000001
ColdMachine 55 + O-evaporator VD-07	9106000002

L-evaporator VD-01 for Series 50

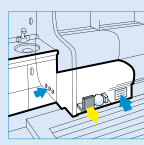
L-evaporator for installation in chest and upright refrigerators



Thermostat

Cooling capacities	80 litres max. with 35 mm PU insulation, 100 litres max. with 50 mm PU insulation
Power input	approx. 35 watts
Average running time	50% with 35 mm PU insulation 40% with 50 mm PU insulation, both at +5°C interior temperature, +32°C ambient temperature and medium cooling capacity
Power consumption	Power input x average running time
System	Standard, L-shape evaporator for horizontal and vertical installation, self-sealing valve couplings, flexible connection pipe approx. 2 m, continuously variable thermostat (for external installation, with blue turning knob and LED indicator, white plastic housing), electric supply cord approx. 3 m
Dimensions (W x H x D)	300 x 247 x 110 mm
Weight	approx. 1.5 kg

Product	Ref. No.
L-evaporator VD-01 for Series 50 (incl. thermostat)	VD-01



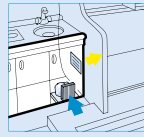
Suitable for solar operation

Air-cooled units in various body shapes

Choose from three evaporator types and one cold accumulator

Dynamically ventilated wire tube condenser

With corrosion-resistant stainless steel mounting plate



230-volt connection with low-priced mains adapters (p. 78 – 81)

4.07

4.07

Plate evaporator VD-02 for Series 50

Plate evaporator for installation in chest and upright refrigerators



Thermostat

Cooling capacities	30 litres max. with 35 mm PU insulation, 50 litres max. with 50 mm PU insulation
Power input	approx. 35 watts
Average running time	45% with 35 mm PU insulation, 35% with 50 mm PU insulation, both at +5°C interior temperature, +32°C ambient temperature and medium cooling capacity
Power consumption	Power input x average running time
System	Standard, plate evaporator for horizontal and vertical installation, self-sealing valve couplings, flexible connection pipe approx. 2 m, continuously variable thermostat (for external installation, with blue turning knob and LED indicator, white plastic housing), electric supply cord approx. 3 m
Dimensions (W x H x D)	275 x 240 x 25 mm
Weight	approx. 1.0 kg

Product	Ref. No.
Plate evaporator VD-02 for Series 50 (incl. thermostat)	VD-02

O-evaporator VD-07 for Series 50

O-evaporator for installation in chest and upright refrigerators



Thermostat

Cooling capacities	100 litres max. with 35 mm PU insulation, 130 litres max. with 50 mm PU insulation
Power input	approx. 35 watts
Average running time	50% with 35 mm PU insulation, 40% with 50 mm PU insulation, both at +5°C interior temperature, +32°C ambient temperature and medium cooling capacity
Power consumption	Power input x average running time
System	Standard O-evaporator for horizontal or vertical installation, self-sealing valve couplings, flexible connection pipe approx. 2 m, continuously variable thermostat (for external installation, with blue turning knob and LED indicator, white plastic housing), electric supply cord approx. 3 m
Dimensions (W x H x D)	255 x 210 x 100 mm
Weight	approx. 1.5 kg

Product	Ref. No.
O-evaporator VD-07 for Series 50 (incl. thermostat)	VD-07

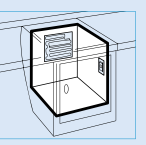
Cold accumulator VD-17 for Series 50

Cold accumulator for installation in chest and upright refrigerators



Cooling capacities	80 litres with 35 mm PU insulation, 100 litres with 50 mm PU insulation
Power input	approx. 40 watts
Average running time	45% with 35 mm PU insulation, 35% with 50 mm PU insulation, both at +5°C interior temperature, +32°C ambient temperature and medium cooling capacity
Power consumption	Power input x average running time
System	Closed aluminium rollbond evaporator as cold accumulator, with drip tray and installation material for vertical and horizontal installation, self-sealing valve couplings, flexible connection pipe approx. 2 m, continuously variable thermostat (integrated in the evaporator housing)
Dimensions (W x H x D)	315 x 215 x 125 mm
Weight	approx. 3.5 kg

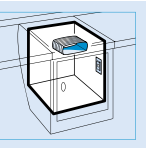
Product	Ref. No.
Cold accumulator VD-17 for Series 50 (incl. thermostat)	VD-17



Thermostat with LED indicator

4.07

4.07



Thermostat with LED indicator

4.07

WAECO ColdMachine 84

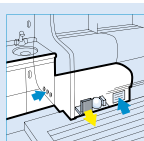
Professional unit for small and medium refrigeration capacities and for use in warmer waters

4.07



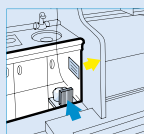
Cooling capacities	250 litres max. normal refrigeration with direct evaporators, 70 litres max. deep-freezing
Voltage	12/24 volts DC
Power input	approx. 45 to 60 watts, depending on the evaporator type
System	Fully hermetic Danfoss BD35F compressor with control electronics and integrated low-voltage protection, low-voltage cut-off, electronic reverse pole protection, brushless DC fan, fin condenser, self-sealing valve couplings
Dimensions (W x H x D)	386 x 155 x 130 mm
Weight	approx. 6.0 kg
Quality features	Suitable for floor mounting, corrosion-resistant stainless steel mounting plate

Product	Ref. No.
ColdMachine 84	CU-84
Optional extras: Mains adapter 230 V · 24 V EPS-100W	
Mains adapter 110 – 240 V · 24 V	MPS-35



Suitable for solar operation

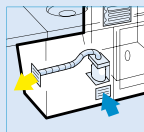
Tailor-made solutions for all on-board situations!



Air-cooled units in different body shapes

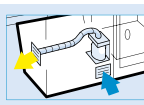
For refrigerator capacities up to approx. 250 l and freezer capacities up to approx. 70 l

With corrosion-resistant stainless steel mounting plate



Choose from seven evaporator types and one cold accumulator

230-volt connection with low-priced mains adapters (p. 78 – 81)



WAECO ColdMachine 85

Professional unit for small and medium refrigeration capacities and for use in warmer waters



Cooling capacities	250 litres max. normal refrigeration with direct evaporators, 70 litres max. deep-freezing
Voltage	12/24 volts DC
Power input	approx. 45 to 60 watts, depending on the evaporator type
System	Fully hermetic Danfoss BD35F compressor with control electronics and integrated low-voltage protection, low-voltage cut-off, electronic reverse pole protection, brushless DC fan, fin condenser, self-sealing valve couplings
Dimensions (W x H x D)	220 x 155 x 220 mm
Weight	approx. 6.0 kg
Quality features	Suitable for floor mounting, corrosion-resistant stainless steel mounting plate

Product	Ref. No.
ColdMachine 85	CU-85
Optional extras: Mains adapter 230 V · 24 V EPS-100W	
Mains adapter 110 – 240 V · 24 V	MPS-35

WAECO ColdMachine 86

Professional unit for small and medium refrigeration capacities and for use in warmer waters



Cooling capacities	250 litres max. normal refrigeration with direct evaporators, 70 litres max. deep-freezing
Voltage	12/24 volts DC
Power input	approx. 45 to 60 watts, depending on the evaporator type
System	Fully hermetic Danfoss BD35F compressor with control electronics and integrated low-voltage protection, low-voltage cut-off, electronic reverse pole protection, brushless DC fan, fin condenser, self-sealing valve couplings
Dimensions (W x H x D)	220 x 230 x 177 mm
Weight	approx. 6.5 kg
Quality features	Suitable for floor mounting, corrosion-resistant stainless steel mounting plate

Product	Ref. No.
ColdMachine 86	CU-86
Optional extras: Mains adapter 230 V · 24 V EPS-100W	
Mains adapter 110 – 240 V · 24 V	MPS-35

Accessory for CU-84, CU-85 and CU-86

Air exhaust hood with counterpart and 2 m hose, for providing air circulation



Product	Ref. No.
Air exhaust hood with counterpart	W480.3

WAECO ColdMachine 87

Water-cooled unit for small and medium refrigeration capacities and for use in warmer waters

4.07



Cooling capacities	250 litres max. normal refrigeration with direct evaporators, 70 litres max. deep-freezing
Voltage	12/24 volts DC
Power input	approx. 45 to 60 watts, depending on the evaporator type
System	Fully hermetic Danfoss BD35F compressor with control electronics and integrated low-voltage protection, low-voltage cut-off, electronic reverse pole protection, brushless DC fan, self-priming seawater pump, seawater-cooled condenser, self-sealing valve couplings
Dimensions (W x H x D)	432 x 225 x 175 mm
Weight	approx. 7.5 kg
Quality features	Suitable for floor mounting, corrosion-resistant stainless steel mounting plate

Product	Ref. No.
ColdMachine 87	CU-87
Optional extras: Mains adapter 230 V · 24 V EPS-100W	
Mains adapter 110 – 240 V · 24 V	MPS-35

Water-cooled unit

With corrosion-resistant stainless steel mounting plate

230-volt connection with low-priced mains adapters (p. 78 – 81)

Cold accumulator VD-06 for Series 80

Cold accumulator for vertical installation in chest and upright refrigerators

4.07

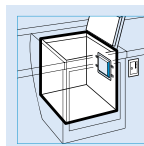


Cooling capacities	120 litres max. with 35 mm PU insulation, 200 litres max. with 50 mm PU insulation
Power input	approx. 65 watts
Battery load	At one charge/discharge cycle per day = 10 watts/hour
Charging time	approx. 1.5 hours
Discharging time	8 to 18 hours (without compressor operation)
System	Stainless steel cold accumulator with integrated high-performance fin evaporator, self-sealing valve couplings, continuously variable with TEC electronic controller
Pipe length	2.5 m
Dimensions (W x H x D)	380 x 300 x 62 mm TEC electronic controller: 86 x 170 x 45 mm
Weight	approx. 5.0 kg

TEC electronic controller



Product	Ref. No.
Cold accumulator VD-06 for Series 80 (incl. TEC controller)	VD-06



Cold accumulator with TEC electronic controller

Fin evaporator VD-03 for Series 80

Fin evaporator for installation in chest and upright refrigerators

Especially suitable for large refrigeration capacities and high ambient temperatures

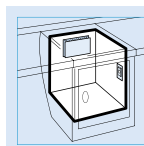
4.07



Cooling capacities	170 litres max. with 35 mm PU insulation, 200 litres max. with 50 mm PU insulation
Power input	approx. 50 watts
Average running time	45% with 35 mm PU insulation, 35% with 50 mm PU insulation, both at +5°C interior temperature, +32°C ambient temperature and medium cooling capacity
Power consumption	Power input x average running time
System	Copper-aluminium fin evaporator with large surface through cooling fins, for vertical and horizontal installation, self-sealing valve couplings, flexible connection pipe approx. 2.5 m, continuously variable thermostat (for external installation, with blue turning knob and LED indicator, white plastic housing), electric supply cord approx. 3 m
Dimensions (W x H x D)	380 x 230 x 82 mm
Weight	approx. 2.0 kg

Product	Ref. No.
Fin evaporator VD-03 for Series 80 (incl. thermostat)	VD-03

Thermostat



Thermostat with LED indicator

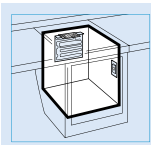
L-evaporator VD-04 for Series 80

L-evaporator for horizontal and vertical installation in chest and upright refrigerators

4.07



Cooling capacities	130 litres max. with 35 mm PU insulation, 170 litres max. with 50 mm PU insulation
Power input	approx. 45 watts
Average running time	50% with 35 mm PU insulation, 40% with 50 mm PU insulation, both at +5°C interior temperature, +32°C ambient temperature and medium cooling capacity
Power consumption	Power input x average running time
System	Standard, L-shape evaporator, self-sealing valve couplings, flexible connection pipe approx. 2 m, continuously variable thermostat (for external installation, with blue turning knob and LED indicator, white plastic housing), electric supply cord approx. 3 m
Dimensions (W x H x D)	375 x 285 x 120 mm
Weight	approx. 1.5 kg
Product	Ref. No.
L-evaporator VD-04 for Series 80 (incl. thermostat)	VD-04



Thermostat
with LED indicator

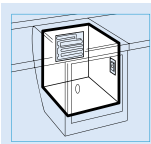
Plate evaporator VD-05 for Series 80

Plate evaporator for horizontal and vertical installation in chest and upright refrigerators

4.07



Cooling capacities	130 litres max. with 35 mm PU insulation, 170 litres max. with 50 mm PU insulation
Power input	approx. 45 watts
Average running time	50% with 35 mm PU insulation, 40% with 50 mm PU insulation, both at +5°C interior temperature, +32°C ambient temperature and medium cooling capacity
Power consumption	Power input x average running time
System	Standard plate evaporator, self-sealing valve couplings, flexible connection pipe approx. 2 m, continuously variable ther- mostat (for external installation, with blue turning knob and LED indicator, white plastic housing), electric supply cord approx. 3 m
Dimensions (W x H x D)	375 x 350 x 25 mm
Weight	approx. 1.5 kg
Product	Ref. No.
Plate evaporator VD-05 for Series 80 (incl. thermostat)	VD-05



The choice of
the evaporator type
depends on the
on-board situation
and the individual
performance
requirements

Thermostat
with LED indicator

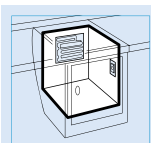
Plate evaporator VD-18 for Series 80

Plate evaporator for horizontal and vertical installation in chest and upright refrigerators

4.07



Cooling capacities	100 litres max. with 35 mm PU insulation, 150 litres max. with 50 mm PU insulation
Power input	approx. 45 watts
Average running time	50% with 35 mm PU insulation, 40% with 50 mm PU insulation, both at +5°C interior temperature, +32°C ambient temperature and medium cooling capacity
Power consumption	Power input x prozentuale Laufzeit
System	Standard plate evaporator, self-sealing valve couplings, flexible connection pipe approx. 2 m, continuously variable thermostat (for external installation, with blue turning knob and LED indicator, white plastic housing), electric supply cord approx. 3 m
Dimensions (W x H x D)	353 x 250 x 25 mm
Weight	approx. 1.5 kg
Product	Ref. No.
Plate evaporator VD-18 for Series 80 (incl. thermostat)	VD-18



Thermostat
with LED indicator

Angle evaporator VD-08 for Series 80

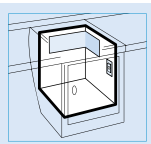
Angle evaporator for installation in chest coolers

Especially suitable for medium refrigeration capacities, also for deep-freezing up to 70 litres

4.07



Cooling capacities	160 litres max. with 35 mm PU insulation, 180 litres max. with 50 mm PU insulation
Power input	approx. 60 watts
Average running time	50% with 35 mm PU insulation, 40% with 50 mm PU insulation, both at +5°C interior temperature, +32°C ambient temperature and medium cooling capacity
Power consumption	Power input x average running time
System	Standard angle evaporator, self-sealing valve couplings, flexible connection pipe approx. 2 m, continuously variable thermostat (for external installation, with blue turning knob and LED indicator, white plastic housing), electric supply cord approx. 3 m
Dimensions (W x H x D)	452 x 270 x 342 mm
Weight	approx. 2.0 kg
Product	Ref. No.
Angle evaporator VD-08 for Series 80 (incl. thermostat)	VD-08



Thermostat
with LED indicator

O-evaporator VD-09 for Series 80

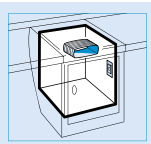
O-evaporator for installation in chest coolers

Especially suitable for medium refrigeration capacities, evaporator can be used as deep-freeze compartment

4.07



Cooling capacities	160 litres max. with 35 mm PU insulation, 180 litres max. with 50 mm PU insulation
Power input	approx. 60 watts
Average running time	45% with 35 mm PU insulation, 35% with 50 mm PU insulation, both at +5°C interior temperature, +32°C ambient temperature and medium cooling capacity
Power consumption	Power input x average running time
System	O-evaporator for vertical and horizontal installation, self-sealing valve couplings, flexible connection pipe approx. 2 m, continuously variable thermostat (for external installation, with blue turning knob and LED indicator, white plastic housing), electric supply cord approx. 3 m
Dimensions (W x H x D)	365 x 141 x 270 mm
Weight	approx. 2.0 kg
Product	Ref. No.
O-evaporator VD-09 for Series 80 (incl. thermostat)	VD-09



Thermostat
with LED indicator

Circulating air evaporator VD-15 for Series 80

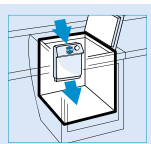
Circulating air evaporator for installation in chest and upright refrigerators

Especially suitable for large refrigeration capacities and high ambient temperatures

4.07



Cooling capacities	200 litres max. with 35 mm PU insulation, 250 litres max. with 50 mm PU insulation
Power input	approx. 60 watts
Average running time	40% with 35 mm PU insulation, 30% with 50 mm PU insulation, both at +5°C interior temperature, +32°C ambient temperature and medium cooling capacity
Power consumption	Power input x average running time
System	High-performance circulating air evaporator in a white plastic housing, with brushless fan, fast cooling through circulating air operation, self-sealing valve couplings, flexible connection pipe approx. 2.5 m, continuously variable thermostat integrated in the evaporator housing
Dimensions (W x H x D)	220 x 275 x 65 mm
Weight	approx. 2.0 kg
Product	Ref. No.
Circulating air evaporator VD-15 for Series 80 (incl. thermostat)	VD-15



Circulating air
evaporator for optimal
cooling performance
at minimal
power consumption

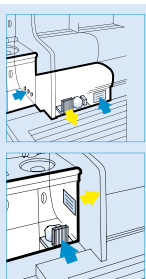
WAECO ColdMachine 94

Professional unit for extra-large refrigeration capacities and for use in tropical waters

4.07



Cooling capacities	400 litres max. normal refrigeration with direct evaporators, 250 litres max. with cold accumulators, 200 litres max. for deep-freezing
Voltage	12/24 volts DC
Power input	approx. 60 to 100 watts, depending on the evaporator type
System	Fully hermetic Danfoss BD50F compressor with AEO electronics and integrated low-voltage protection, low-voltage cut-off, electronic reverse pole protection, brushless DC fan, fin condenser, self-sealing valve couplings
Dimensions (W x H x D)	386 x 155 x 130 mm
Weight	approx. 6.0 kg
Quality features	Suitable for floor mounting, corrosion-resistant stainless steel mounting plate, Danfoss AEO electronics
Product	Ref. No.
ColdMachine 94	CU-94
Optional extras:	
mains adapter 110 – 240 V + 24 V	MPS-50

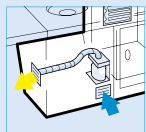


Suitable for solar operation

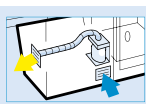
Air-cooled units in various body shapes

Choose from three evaporator types and one cold accumulator

With corrosion-resistant stainless steel mounting plate



230-volt connection with low-priced mains adapters (p. 78 – 81)



Energy-saving AEO electronics

WAECO ColdMachine 95

Professional unit for extra-large refrigeration capacities and for use in tropical waters



Cooling capacities	400 litres max. normal refrigeration with direct evaporators, 250 litres max. with cold accumulators, 200 litres max. deep-freezing
Voltage	12/24 volts DC
Power input	approx. 60 to 100 watts, depending on the evaporator type
System	Fully hermetic Danfoss BD50F compressor with AEO electronics and integrated low-voltage protection, low-voltage cut-off, electronic reverse pole protection, brushless DC fan, fin condenser, self-sealing valve couplings
Dimensions (W x H x D)	220 x 155 x 220 mm
Weight	approx. 6.0 kg
Quality features	Suitable for floor mounting, corrosion-resistant stainless steel mounting plate, Danfoss AEO electronics
Product	Ref. No.
ColdMachine 95	CU-95
Optional extras:	
mains adapter 110 – 240 V + 24 V	MPS-50

Energy-saving AEO electronics

WAECO ColdMachine 96

Professional unit for extra-large refrigeration capacities and for use in tropical waters



Cooling capacities	400 litres max. normal refrigeration with direct evaporators, 250 litres max. with cold accumulators, 200 litres max. for deep-freezing
Voltage	12/24 volts DC
Power input	approx. 60 to 100 watts, depending on the evaporator type
System	Fully hermetic Danfoss BD50F compressor with AEO electronics and integrated low-voltage protection, low-voltage cut-off, electronic reverse pole protection, brushless DC fan, fin condenser, self-sealing valve couplings
Dimensions (W x H x D)	220 x 230 x 177 mm
Weight	approx. 6.5 kg
Quality features	Suitable for floor mounting, corrosion-resistant stainless steel mounting plate, Danfoss AEO electronics
Product	Ref. No.
ColdMachine 96	CU-96
Optional extras:	
mains adapter 110 – 240 V + 24 V	MPS-50

Energy-saving AEO electronics

Accessory for CU-94, CU-95 and CU-96

Air exhaust hood with counterpart and 2 m hose, for providing air circulation



Product	Ref. No.
Air exhaust hood with counterpart	W480.3

WAECO ColdMachine 97

Water-cooled unit for extra-large refrigeration capacities and for use in tropical waters

4.07



Cooling capacities	400 litres max. normal refrigeration with direct evaporators, 250 litres max. with cold accumulators, 200 litres max. for deep-freezing
Voltage	12/24 volts DC
Power input	approx. 60 to 100 watts, depending on the evaporator type
System	Fully hermetic Danfoss BD50F compressor with AEO electronics and integrated low-voltage protection, low-voltage cut-off, electronic reverse pole protection, self-priming seawater pump, seawater-cooled condenser, self-sealing valve couplings
Dimensions (W x H x D)	432 x 225 x 175 mm
Weight	approx. 7.5 kg
Quality features	Suitable for floor mounting, corrosion-resistant stainless steel mounting plate, Danfoss AEO electronics
Product	Ref. No.
ColdMachine 97	CU-97
Optional extras:	
mains adapter 110 – 240 V + 24 V	MPS-50

Energy-saving AEO electronics

Water-cooled unit

With corrosion-resistant stainless steel mounting plate

230-volt connection with low-priced mains adapters (p. 78 – 81)

Circulating air evaporator VD-14N for Series 90

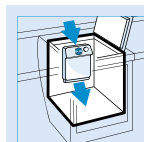
Circulating air evaporator for installation in chest and upright refrigerators

Especially suitable for large refrigeration capacities and high ambient temperatures

4.07



Cooling capacities	300 litres max. with 35 mm PU insulation, 400 litres max. with 50 mm PU insulation
Power input	approx. 80 watts
Average running time	50% with 35 mm PU insulation, 35% with 50 mm PU insulation, both at +5°C interior temperature, +32°C ambient temperature and medium cooling capacity
Power consumption	Power input x average running time
System	High-performance circulating air evaporator, especially effective due to enlarged surface area. Radial fan with enhanced ventilation capacity, continuously variable room thermostat for optimal temperature distribution in the refrigeration compartment. Ease of installation with self-sealing valve couplings and flexible connection pipe (approx. 2.5 m). Sturdy, white plastic housing.
Dimensions (W x H x D)	220 x 275 x 65 mm
Weight	approx. 2.0 kg
Product	Ref. No.
Circulating air evaporator VD-14N for Series 90 (incl. thermostat)	VD-14N

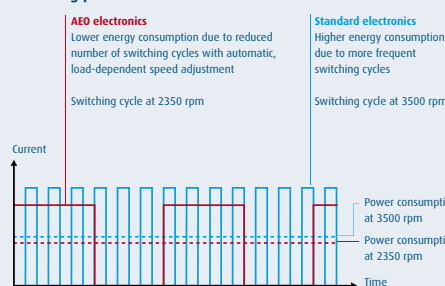


Circulating air evaporator for optimal cooling performance at minimal power consumption

Continuously variable room thermostat

AEO electronics (Adaptive Energy Optimiser) for Series 90

Switching pattern with AEO and standard electronics



How AEO electronics work

After a power-saving soft start the AEO controller gradually increases the compressor speed until the preset temperature is reached. The compressor speed adjusts automatically to the current cooling requirement. This optimised running pattern minimises the number of compressor starts. The result: reduced energy consumption, less strain on the battery.

Advantages of AEO electronics

- > Power regulation by way of automatic speed adjustment
- > Saves energy
- > Reduces the strain on the battery by minimising the number of compressor starts
- > Reduced number of switching cycles and optimised running time extends the service life of the refrigeration system and the battery

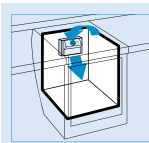
Air circulating deep-freeze evaporator VD-16 for Series 90

Air circulating deep-freeze evaporator for installation in chest and upright refrigerators

4.07



Cooling capacities	130 litres max. with 50 mm PU insulation, 200 litres max. with 100 mm PU insulation
Power input	approx. 60 watts
Average running time	55% with 50 mm PU insulation, 40% with 100 mm PU insulation, both at +32°C ambient temperature and medium cooling capacity
Power consumption	Power input x average running time
System	High-performance air circulating fin evaporator in a transparent plastic housing, self-sealing valve couplings, flexible connection pipe approx. 2.5 m, continuously variable deep-freeze thermostat integrated in the evaporator housing
Dimensions (W x H x D)	330 x 260 x 130 mm
Weight	approx. 2.5 kg
Product	Ref. No.
Air circulating deep-freeze evaporator VD-16 for Series 90 (incl. thermostat)	VD-16



Tailor-made for deep-freezing!

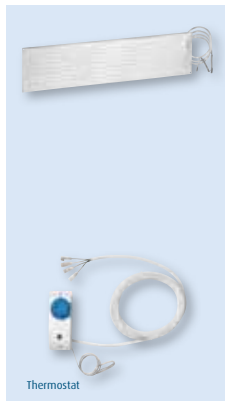
Air circulating deep-freeze evaporator for optimal cooling performance at minimal power consumption

Plate evaporator VD-21 for Series 90

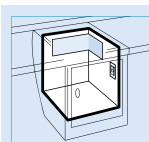
Plate evaporator for installation in chest refrigerators

Especially suitable for large refrigeration capacities, also for deep-freezing up to 150 litres

4.07



Cooling capacities	250 litres max. refrigeration or 100 litres deep-freezing with 50 mm PU insulation, 300 litres max. refrigeration or 150 litres deep-freezing with 100 mm PU insulation
Power input	approx. 60 watts
Average running time	50% with 35 mm PU insulation or 40% with 50 mm PU insulation (for normal refrigeration), 60% with 50 mm PU insulation or 40% with 50 mm PU insulation (for deep-freezing) each at +32°C ambient temperature and medium cooling capacity
Power consumption	Power input x average running time
System	Standard plate evaporator with large surface, self-sealing valve couplings, flexible connection pipe approx. 2 m, continuously variable thermostat (for external installation, with blue turning knob and LED indicator, white plastic housing), for refrigeration and deep-freezing
Dimensions (W x H x D)	1373 x 305 x 10 mm
Weight	approx. 4.0 kg
Product	Ref. No.
Plate evaporator VD-21 for Series 90 (incl. thermostat)	VD-21



Thermostat with LED indicator

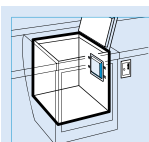
Cold accumulator VD-06 for Series 90

Cold accumulator for vertical installation in chest and upright refrigerators

4.07



Cooling capacities	200 litres max. with 35 mm PU insulation, 250 litres max. with 50 mm PU insulation
Power input	approx. 80 watts
Battery load	At one charge/discharge cycle per day = 10 watts/hour
Charging time	approx. 1.5 hours
Discharging time	8 to 18 hours (without compressor operation)
System	Stainless steel cold accumulator with integrated high-performance fin evaporator, self-sealing valve couplings, continuously variable by means of electronic TEC controller
Pipe length	2.5 m
Dimensions (W x H x D)	380 x 300 x 62 mm TEC electronic controller: 86 x 170 x 45 mm
Weight	approx. 5.0 kg
Product	Ref. No.
Cold accumulator VD-06 for Series 90 (incl. TEC controller)	VD-06



Cold accumulator with TEC electronic controller



Super-compact and easy to install

WAECO ColdMachine CS-NC15

The compact cooling unit consists of the high-performance air circulating fin evaporator VD-15 and the power-regulated cooling unit of Series 80. A perfect match that provides rapid-chill capability and high cooling performance. The tried and tested Danfoss BD35F compressor ensures economical and super-quiet running. This cooling unit is specifically

designed for chest coolers with capacities from 60 litres upwards. Depending on the insulation, it can be used for refrigeration compartments up to 250 litres. Installation is quick and easy. All that's required is a hole cut to match the size of the cooling unit. The CS-NC 15 is then simply screwed from inside to the mounting plate.

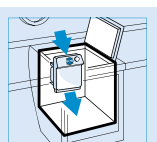
WAECO ColdMachine CS-NC15

Compact cooling unit with stainless steel grill and high-performance air circulating fin evaporator

4.07



Cooling capacities	200 litres max. with 35 mm PU insulation, 250 litres max. with 50 mm PU insulation
Voltage	12/24 volts DC
Power input	approx. 60 watts
System	Fully hermetic Danfoss BD35F compressor with control electronics and integrated low-voltage protection, low-voltage cut-off, electronic reverse pole protection, brushless DC fan, fin condenser, high-performance air circulating fin evaporator in white plastic housing with brushless fan, rapid chill capability with circulating air operation
Average running time	40% with 35 mm PU insulation, 30% with 50 mm PU insulation, both at +5°C interior temperature, +32°C ambient temperature and medium cooling capacity
Weight	approx. 8.5 kg
Colour	White
Quality features	Rapid-chill capability with circulating air operation, continuously variable thermostat (integrated in the evaporator housing), low-voltage protection, low-voltage cut-off
Product	Ref. No.
ColdMachine CS-NC15	CS-NC15
Optional extras: mains adapter 230 V x 24 V	EPS-100W
Mains adapter 110 - 240 V x 24 V	MPS-35



Circulating air evaporator for optimal cooling performance at minimal power consumption

Easy to install

230-volt connection with low-priced mains adapters (p. 78 - 81)



Electronic accessories for coolers and refrigerators

Handy helpers on board and elsewhere

Limitations on using your mobile fridge? Don't accept them, but overcome them – with the right kind of product from the WAECO CoolPower range. WAECO CoolPower stands for electronic accessories which decisively expand the application possibilities of mobile refrigeration – regardless of whether you've got a thermoelectric or compressor-powered cooling appliance.

The CoolPower voltage monitor keeps the cooler going without exhausting the vehicle battery. You'd like to run your 12-volt thermoelectric cooler from the 24-volt

battery of your utility vehicle? Go ahead – it's no problem with a CoolPower voltage converter. You want a mains connection for your portable compressor cooler, if possible worldwide? Even if that connection is not provided as standard, you can enjoy fresh snacks and cool drinks in your holiday home or hotel room thanks to the CoolPower mains adapter.

The CoolPower range offers a solution to any refrigeration problem and to any on-board situation – a solution to depend on!



Mobile cooling with 230 volts!

Mains hook-up for your thermoelectric 12-volt cooler and also for the new compressor coolers, WAECO CoolFreeze CDF-18/CDF-25. With the CoolPower EPS 817 mains adapter, you can run your cooler from a mains supply in the hotel room, in the marina or at home.

WAECO thermoelectric coolers and WAECO compressor coolers CDF-18/CDF-25:
WAECO CoolPower EPS 817 mains adapter 230 volts › 12 volts

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For 230-volt operation of WAECO compressor appliances, the CoolPower EPS 100 is the product to use. This mains adapter features an automatic mains priority circuit, is suitable for mobile use and can be permanently installed in the vehicle.

WAECO compressor coolers:
WAECO CoolPower EPS 100 mains adapter 230 volts › 24 volts

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Mains power worldwide!

Boundless energy: WAECO CoolPower multi-voltage mains adapters operate in an input voltage range from 110 to 240 volts AC. Therefore, you and your WAECO cooling appliance will cope with the mains supplies of nearly all continents (Europe, America, Asia).

WAECO compressor cooling appliances with Danfoss BD35F compressor:
WAECO CoolPower MPS 35 mains adapter 110 – 240 volts › 24 volts
WAECO compressor cooling appliances and all models with BD50F compressor:
WAECO CoolPower MPS 50 mains adapter 110 – 240 volts › 24 volts

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Always the perfect battery voltage!

WAECO CoolPower voltage monitors make sure your cooler won't cause any battery problems. When the battery voltage drops, the unit automatically switches the cooler off – and back on again when the voltage returns to normal.

WAECO thermoelectric coolers:
WAECO CoolPower M50U voltage monitor 12 volts

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WAECO compressor coolers:
Good for you – these units come with an integrated voltage monitor as standard!



How you turn 24 volts into 12 volts!

You've got a 12-volt cooler, but your boat, motorhome or truck has a 24-volt connection? Don't worry. Take the cooler anyway, but don't forget the voltage converter. That way you can be sure your 12-volt unit is supplied with the right type of voltage.

WAECO thermoelectric coolers:
WAECO CoolPower 804 K, voltage converter 24 volts › 12 volts

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WAECO compressor coolers:
12/24-volt connection available as standard; no need for a converter!

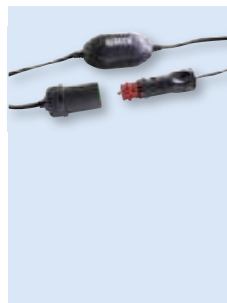
WAECO CoolPower M 50U

3.17

Voltage monitor for 12-volt applications

Always the perfect battery voltage: voltage monitor integrated in the supply cable, for universal 12-volt applications with cigarette lighter socket as output.

Enables automatic cut-off at low battery voltage and cut-in at normal voltage. Status indicated by LEDs.



Cut-off voltage	11.6 volts DC
Cut-in voltage	12.8 volts DC
Current	5 amps max.
Quality features	Status read-out by LEDs, ready for connection with cigarette lighter plug
Test mark	e-approved to 2006/28/EC (Automotive EMC Directive)

Protects the vehicle battery from excessive discharging

Designed for universal use

Product	Ref. No.
Voltage monitor 12 V 5 A	M-50U-12

WAECO CoolPower 804K

3.17

Voltage converter 24 volts > 12 volts

For operation of thermoelectric coolers and other insulated electric consumers that are connected to the battery for longer times.



Input voltage	20–30 volts DC
Output voltage	12.5 volts DC ±10 %
Efficiency	max. 90 %
Short-time load	6 A/70 watts
Continuous load	4 A/48 watts
No-load current input max.	60 mA
Dimensions (W x H x D)	53 x 45 x 120 mm
Weight	0.25 kg
Quality features	Energy-saving switch mode design with connection socket
Test mark	e-approved to 2006/28/EC (Automotive EMC Directive)

12-volt coolers in 24-volt vehicles

Product	Ref. No.
Voltage converter 24 V > 12 V	804K-2412

WAECO CoolPower EPS 817

3.17

Mains adapter for connection of thermoelectric 12-volt coolers and the compressor coolers CDF-18 and CDF-25 to the 230-volt mains.

Ideal for use at home, in hotels, at campsites, in holiday homes, etc.



Input voltage	230 volts AC/50 Hz
Output voltage	13 volts DC
Continuous load	6 A
Dimensions (W x H x D)	115 x 65 x 170 mm
Weight	0.6 kg
Test marks	GS, CE

Hassle-free mains operation for 12-volt thermoelectric coolers and for CDF-18/CDF-25 compressor coolers

Product	Ref. No.
Mains adapter 230 V > 12 V	EPS-817U

WAECO CoolPower EPS 100

3.17

Mains adapter for hassle-free connection of 12-/24-volt cooling appliances to the 230-volt mains.

Suitable for all WAECO compressor cooling appliances – except for those with Danfoss BD50F compressor.



Input voltage	230 volts AC
Output voltage	25 volts DC
Output power	100 watts
Output current	4 A
Dimensions (W x H x D)	115 x 65 x 170 mm
Weight	approx. 0.7 kg
Quality features	Switch mode, automatic priority for mains operation
Test mark	CE

Mains power for all WAECO compressor appliances – except those with Danfoss BD50F compressor

Ideal for permanent installation

Automatic priority circuit for mains operation

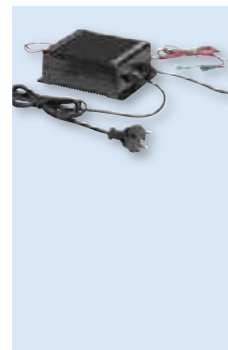
Product	Ref. No.
Mains adapter 230 V > 24 V	EPS-100W

WAECO CoolPower MPS 35

3.17

Mains adapter for hassle-free connection of 12-/24-volt cooling appliances to 110 – 240-volt mains systems.

Suitable for all WAECO cooling appliances with Danfoss BD35F compressor.



Input voltage	110–240 volts AC
Output voltage	25 volts DC
Output power	110 watts
Battery voltage	12/24 volts DC
Output current	3 A
Dimensions (W x H x D)	115 x 55 x 160 mm
Weight	approx. 0.7 kg
Quality features	Switch mode, automatic priority for mains operation
Test marks	GS, CE

Mains power for all WAECO compressor appliances with Danfoss BD35F compressor

Ideal for permanent installation

Automatic priority circuit for mains operation

Product	Ref. No.
Mains adapter 110–240 V > 24 V	MPS-35

WAECO CoolPower MPS 50

3.17

Mains adapter for hassle-free connection of 12-/24-volt cooling appliances to 110 – 240-volt mains systems.

Suitable for all WAECO cooling appliances with Danfoss BD35F/BD50F compressor.



Input voltage	110 – 240 volts AC
Output voltage	27 volts DC
Output power	150 watts
Battery voltage	12/24 volts DC
Output current	6 A
Dimensions (W x H x D)	120 x 70 x 200 mm
Weight	approx. 1 kg
Quality features	Switch mode, automatic priority for mains operation
Test mark	CE

Mains power for all WAECO compressor appliances with Danfoss BD35F/BD50F compressor

Ideal for permanent installation

Automatic priority circuit for mains operation

Product	Ref. No.
Mains adapter 110 – 240 V > 24 V	MPS-50