

ON THE ROAD AGAIN

مركز البراغي والعدد
BTCO
BOLTS & TOOLS CENTER

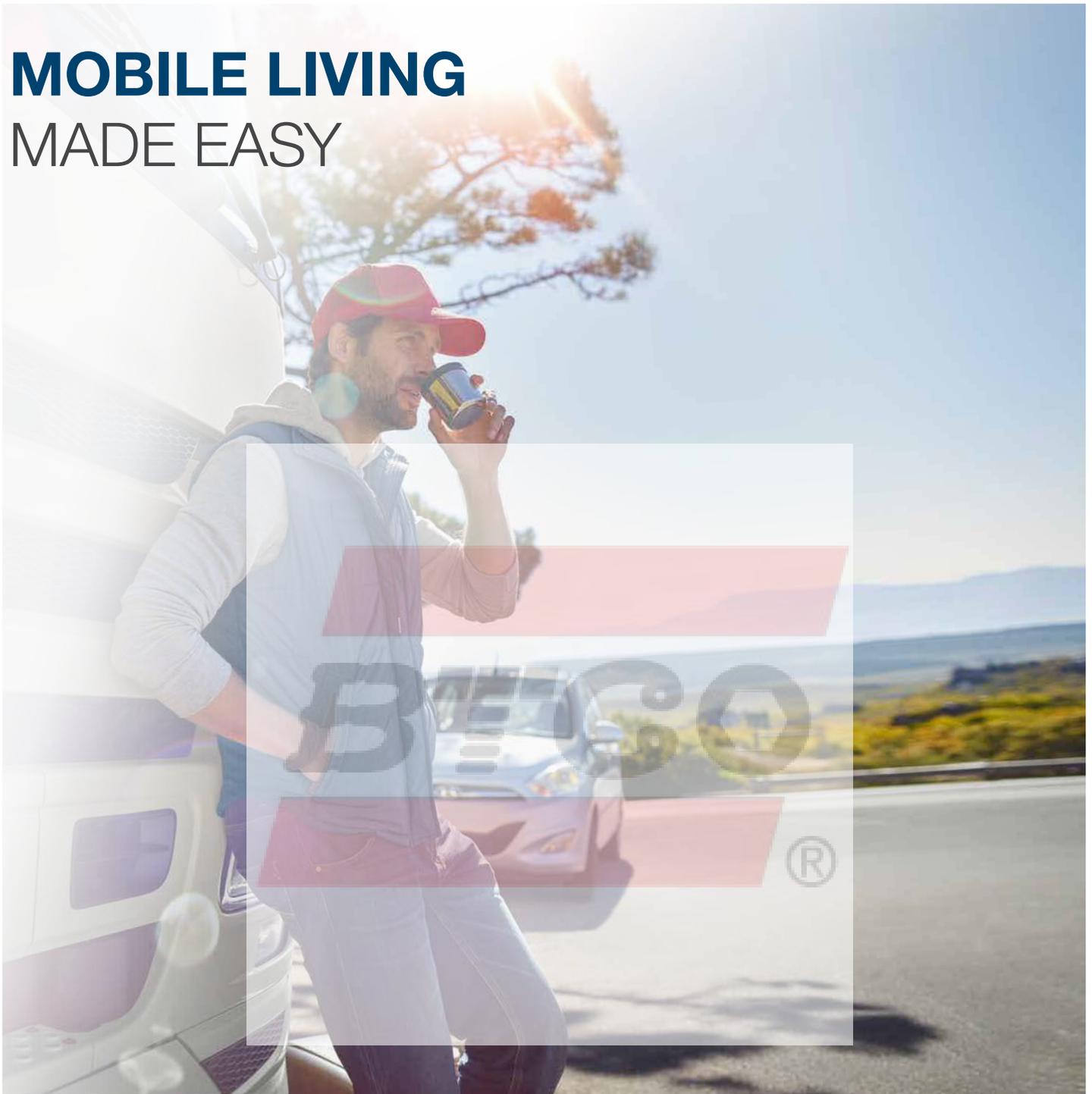
2016



- Air conditioners
- Vehicle accessories
- Safety solutions
- Mobile cooling
- Energy systems
- Kitchen solutions

THE LARGE ACCESSORY RANGE FOR CAR / TRUCK / VAN

MOBILE LIVING MADE EASY



Dometic provides smart and reliable products with outstanding design for car and truck drivers.

Dometic is one of the leading suppliers of comfort products to the commercial and passenger vehicles segment.

Dometic offers standard and customised products for commercial vehicles (trucks) and passenger vehicles, delivering to the major manufacturers of cars, trucks, agricultural and construction vehicles.

For car and truck drivers our offering consists of cooling related products within the areas of Climate (air conditioners) and Food & Beverage (refrigerators) as well as generators and inverters.

 **Dometic**

AWARD-WINNING PRODUCTS

Dometic and WAECO products are regular winners in design prizes and best brand competitions. This is something that makes us proud. At the same time, it motivates us to keep going and improve what we have achieved so far.

COMFORT FACTORY DIRECT PARTNER TO THE AUTOMOTIVE INDUSTRY

Chances are that your vehicle was already fitted with a Dometic or WAECO product when it left the factory. With a 230-volt socket, for instance, or with an integrated cooling compartment. As a recognised OEM partner of leading vehicle manufacturers we have been creating vehicle-specific car coolers and electronic products for decades.

TECHNICAL SUPPORT

TECHNICAL ADVICE,
PRODUCT DOCUMENTATION
(installation instructions, spare part lists, etc.)

Tel. +49 (0) 2572 879-191
TKD@dometic-waeco.de

WHICH ACCESSORY FITS MY VEHICLE?



ESPECIALLY FOR TRUCKS

Products marked with the truck symbol were specially designed for use in trucks.



ESPECIALLY FOR CARS AND VANS

The car/van symbol indicates which products are designed for use in cars or vans.

Products not marked with one of these symbols are suitable for universal use.



AIR CONDITIONERS

6 – 17

- Truck roof parking coolers
- Truck split parking coolers



VEHICLE ACCESSORIES

18 – 43

- Alarm systems, gas detector
- Safes
- Cruise control
- Radio remote controls
- Seating comfort
- Parking aids
- Blind spot



SAFETY SOLUTIONS

44 – 81

- Reversing cameras
- Reversing camera systems
- Connection to original displays
- Moniceiver and reversing video function
- Interior cameras
- Heavy-duty components
- Accessories for reversing video systems



MOBILE COOLING

82 – 105

- Compressor coolers and freezers
- Vehicle-specific compressor coolers
- Thermoelectric coolers
- Iceboxes



ENERGY SYSTEMS

106 – 139

- Sine wave inverters, inverters
- Battery chargers
- IU0U automatic chargers
- Charging converters, voltage converters
- Battery care
- Generators



KITCHEN SOLUTIONS

140 – 151

- Microwave oven
- Coffee makers, electric kettle
- Wet/dry vacuum cleaner

MY HIGHLIGHTS 2016



Ready for you to discover, besides many other new products: the new generation truck parking coolers CoolAir RTX, a blind spot system especially for trucks and a WiFi transmitter for sending video signals to mobile devices.



NEW! WAECO PerfectView CAM 55

High-end camera with extended input voltage range

More details on p. 56



NEW! WAECO PerfectView VT 100WiFi

WiFi transmitter for transmitting video signals to smart phones and tablets (iOS + Android)

More details on p. 62



NEW! WAECO PerfectCharge MCP

The new charger automatically adapts to the battery's charging condition. Battery charging has never been this easy!

More details on p. 118

**CoolAir –
the 3rd
generation**

NEW! Dometic RTX 1000 / 2000

Truck parking coolers,
24-volt stationary air conditioning

More details on p. 8



**Now in a
new Design!**



NEW! WAECO Tropicool TCX

Thermoelectric coolers with TC special
electronics for 12/24 volts DC and 230 volts AC

More details on p. 94 – 95



NEW! WAECO BordBar TF 14

Thermoelectric car coolers in stylish
champagne colour with reinforced insulation

More details on p. 97



NEW! WAECO CoolFun SC 38

Thermoelectric coolers, with wheels, telescopic
handle, split lid and removable partition,
12 volts DC and 230 volts AC

More details on p. 99



NEW! WAECO MagicWatch
MWE 7106

Digital **rear** parking aid,
6 compact digital sensors, can be positioned
as required

More details on p. 37



NEW! WAECO MagicWatch
MWE 7106F

Digital **front** parking aid,
6 compact digital sensors, can be positioned
as required

More details on p. 37



NEW! WAECO MagicWatch
MWE 4004

Blind spot system for trucks

More details on p. 39

STAY COOL FOR LONGER



CoolAir
The new generation
parking coolers



AIR CONDITIONERS



Truck roof parking coolers	8
Truck split parking coolers	13
Technical data	16



CoolAir – now twice as good

Twice the cooling power for the same runtime, or twice the cooling time for the same energy consumption: the two new CoolAir RTX roof air conditioners make it happen. They fit almost every truck cabin. Where they don't, we recommend our well proven CoolAir split system.

COOLAIR RTX – THE NEW GENERATION

MORE EFFICIENCY AND POWER

The third CoolAir generation comes with an entirely new technology to continue a unique success story. CoolAir compressor parking coolers have been around for over ten years to improve working conditions, safety and cost efficiency in the European utility vehicle industry. Now is the time to set new benchmarks.

The new, third generation CoolAir roof air conditioners do that in two convincing ways: CoolAir RTX 1000 provides **more cooling performance and runtime at the same energy consumption** than its predecessor model. CoolAir RTX 2000 generates **more than twice the cooling power at the same runtime**. All of this is possible thanks to the use of a variable speed inverter compressor, which makes for excellent cooling capacities and amazingly efficient and quiet operation.

Despite the technical improvements all well proven CoolAir benefits have been retained. Take the vehicle-specific installation concept, for instance, or the option to use a **CoolAir split system** (p. 13), if the roof version won't fit, or the roof window is to be retained.



“IT SAVES ME A LOT OF FUEL!”

FOR FLEET OPERATORS, THE NEW COOLAIR IS A CALCULATION THAT WORKS OUT FINE.

A familiar picture in all parking areas: truck drivers leaving the engine running for hours to use the air conditioner or to recharge the batteries during their resting periods. This is bad for the environment, and it's also against the law. Tons of fuel are wasted, lots of exhaust fumes are blown into the atmosphere, and fleet operators pay dearly for it. Plus, it wears down the engine faster.

In other words, a parking cooler keeps operating costs down. Especially so if it has such an amazingly long running time like the new CoolAir RTX 1000. Equally important to fleet owners is the fact that it improves work safety and thus ensures that the driver and freight arrive safe and sound. Last but not least, fitting a truck with a parking cooler helps find satisfied employees and keep them loyal to the company.



Reduced fuel consumption: Engine is not running during the resting periods

Sample calculation

Diesel price	1,19 €
Ø Truck running idle per day	6 hr
Average usage days per annum	100 days
Approx. fuel consumption per hour (when running idle)	3–4 l/hr

Fuel saving

100 days x 5 hours x 3,5 l/hr. x 1,19 €/l	2.082,50 €
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COOLAIR RTX 1000 ...
... CUTS OPERATING COSTS

“IT CAN DO IT WAY LONGER.”

TRUCK DRIVERS ARE FASCINATED BY THE ENORMOUS STAYING POWER OF THE COOLAIR RTX. ®

Extra-long running time or extra-strong performance: two versions of the new CoolAir RTX parking cooler give every driver what he needs to enjoy relaxing breaks in his particular working environment. The RTX 1000 creates pleasant temperatures for up to twelve hours. The battery monitor gives advance warning until it finally cuts off the power supply to keep the engine ready to start. The more powerful RTX 2000 faces hot temperatures in the truck cabin for up to six hours.

Added to this, the new CoolAir is amazingly quiet in operation. The two-cylinder compressor works unnoticeably, leaving the driver perfectly at rest and letting him enjoy all the comforts of the parking cooler: the large, high-contrast display, the individually adjustable air distribution, the four operating modes – and the adaptive automatic mode of the air conditioner.

The RTX series has been tested in Australia under extreme temperatures and environmental conditions to ensure best product quality and performance.



COOLAIR RTX ...
... RUNS QUIETLY AND FOR LONGER

COOLAIR RTX 1000

COOLS FOR UP TO 12 HOURS!

This roof-mounted truck parking cooler makes very economical use of the onboard power resources. Advanced inverter compressor technology makes for almost noiseless, vibration-free operation, so drivers can rest and relax in complete comfort. Besides the technical improvements, CoolAir RTX 1000 offers the typical CoolAir benefits: powerful performance, elegant design, easy installation with vehicle-specific accessories.



2.09

Dometic CoolAir RTX 1000

Truck roof parking cooler,
24-volt stationary air conditioning

- 1200 watts cooling capacity rated to ISO 5151
- Running time up to 12 hours
- Very quiet running
- 4 operating modes (Auto, Eco, Manual, Boost)
- **Ideal for longer trips in moderate climates**

Ref. No. 9105306210



MY BENEFITS

- 1200 watts cooling capacity
- Up to 12 hours running time
- Reliable and precise voltage monitor with sensing line
- Variable speed inverter compressor for highest energy efficiency
- Self-contained air conditioner – all A/C components integrated in roof unit
- ADR-compliant
- Vehicle-specific installation kits
- At 30°C ambient temperature only 8 A power consumption in ECO mode

Compressor technology that fits almost every truck

Being a self-contained air conditioner, the CoolAir RTX offers a key benefit: all components are integrated in a single housing. This speeds up installation and makes maintenance unnecessary, because the system is closed and hermetically tight. So there's no need to fill up with refrigerant.

Good to know: the CoolAir RTX fits almost every truck. There's a tailor-made installation kit for all common truck models.

COOLAIR RTX 2000

DOUBLE POWER!

CoolAir RTX 2000 is a genuine power pack. Generating a full 2000 watts for up to six hours, it cools down even larger cabins in no time at all. The speed controlled inverter compressor is pleasantly quiet in operation giving drivers and crews a truly relaxing break. Tested and approved in Australia, the RTX 2000 is perfect for everyone resting at daytime or going to hot regions.



Dometic CoolAir RTX 2000

Truck roof parking cooler,
24-volt stationary air conditioning

- 2000 watts cooling capacity rated to ISO 5151
- Running time up to 6 hours
- Very quiet running
- 4 operating modes (Auto, Eco, Manual, Boost)
- **Ideal for hot climates and when it is used during the day**

Ref. No. 9105306212



MY BENEFITS

- 2000 watts cooling capacity
- Up to 6 hours running time
- Reliable and precise voltage monitor with sensing line
- Variable speed inverter compressor for highest energy efficiency
- Self-contained air conditioner – all A/C components integrated in roof unit
- ADR-compliant
- Vehicle-specific installation kits
- At 30°C ambient temperature only 9.5 A power consumption in ECO mode



Vehicle specific
installationkits
see list on page 16

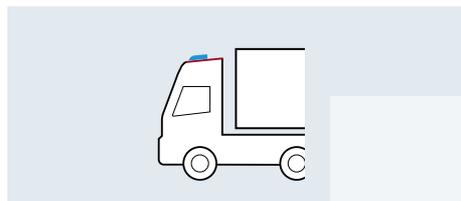
For extreme heat and large cabins

Heavy goods vehicles mostly travel at night and keep standing in the sun for hours during the day. It takes quite a powerful parking cooler to give drivers and their companions a truly relaxing break. An easy task for the new CoolAir RTX 2000. It is also great for the large crew cabins of fire brigades, emergency services and the likes. With an ample 2000 watts it creates a cabin climate where crews can feel at ease even in heavy protective clothing.

WHICH PARKING COOLER FITS WHICH TRUCK?

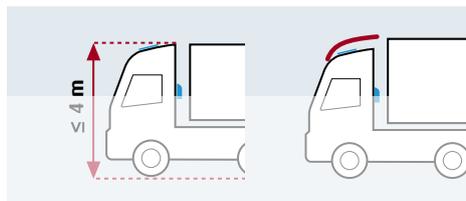
Dometic CoolAir RTX 1000 / RTX 2000

Truck roof parking cooler, 24-volt stationary air conditioning



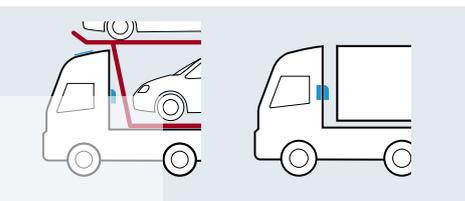
Dometic CoolAir SP 950T

Split parking cooler with roof evaporator unit for trucks, 24-volt stationary air conditioning



Dometic CoolAir SP 950I

Split parking cooler with interior evaporator unit for trucks, 24-volt stationary air conditioning



- Self-contained air conditioner – all A/C components integrated in one roof unit
- Fitted on the roof (roof air conditioner replaces roof window)
- Suitable for nearly all vehicle models!
- RTX 2000 also fits Iveco Stralis
- **ADR-compliant** (certificate upon request). No refitting needed!

- Fitted on the roof (roof evaporator unit replaces roof window) and to the rear wall of the cabin (compressor unit)
- **For trucks with tall cabins, with roof spoiler or with roof-mounted structures** (e.g. car transporters)
- Super-flat roof evaporator unit – no problems adhering to the maximum permissible height

- Fitted to the rear wall of the cabin (roof evaporator inside, compressor unit outside)
- **For trucks where a roof set-up is not possible or not desirable** (large roof slope, tall cabins, with roof spoiler or with roof-mounted structures, roof window should remain)
- No problems adhering to the maximum permissible height

Fast and easy installation

VEHICLE-SPECIFIC INSTALLATION CONCEPT:

- Vehicle-specific installation kits (example)

- Vehicle-specific installation kits (example)

Vehicle-specific fastening frames for the SP 950I compressor unit (example)

SPLIT PARKING COOLER SP 950

TWO VERSIONS – MAKE YOUR CHOICE!

Modular system concept: super-flat roof unit or nothing on the roof.

Simply choose which split air conditioner suits you best. The CoolAir assembly kit gives you the option to combine the Dometic CoolAir SP 950C compressor unit with two different evaporator units. For the CoolAir SP 950I the evaporator unit is fitted on the inside of the cabin's rear wall, for the CoolAir SP 950T it's inside a super-flat roof unit.



**reddot design award
winner 2012**

Dometic CoolAir SP 950C

Compressor unit for truck split parking coolers,
24 volt stationary air conditioning

- Quick and clean installation with vehicle-specific assembly accessories

Ref. No. 9105305550



2.09

Dometic CoolAir SP950T

Roof evaporator unit for truck parking cooler,
24-volt stationary air conditioning

- Cooling capacity: 850 watts (rated to ISO 5151)
- Space-saving installation under spoilers or roof-mounted structures
- 100% clean removal when vehicle-specific installation kits are used

Ref. No. 9105305549



2.09

Dometic CoolAir SP950I

Interior evaporator unit for truck parking cooler,
24-volt stationary air conditioning

- Cooling capacity: 850 watts (rated to ISO 5151)
- For installation to the inside of the cabin's rear wall

Ref. No. 9105305612



“... WELL THOUGHT-OUT AND PRACTICAL TO USE”

Simply ingenious: The CoolAir installation concept



MY BENEFITS

- CoolAir installation concept:
Fast and easy installation – 100% clean removal when the vehicle-specific installation kits or fastening frames are used. (exception: the interior evaporator SP950!)
- Modular CoolAir assembly kit for SP 950:
Freedom of choice when combining the components; tailor-made solutions
- Elegant design:
All CoolAir systems perfectly match the vehicle, inside and out

**CoolAir
installation
concept**

Today's trucks are extremely complex structures. Therefore, it is important for service technicians that retrofit products to be perfectly adapted to the vehicle at hand. ... "With CoolAir parking coolers, installation works a treat with no need to drill a single hole. The roof units are supplied completely preassembled, their base already includes the hole patterns of all common types of trucks. All we have to do is insert the unit, wire it up and attach the cover frame."

VEHICLE-SPECIFIC INSTALLATION KITS

Speedy installation, neat finish, hassle-free dismantling – with vehicle-specific installation kits for the roof-mount systems RTX 1000/2000 or the roof unit SP 950T.



Example

SNUG-FITTING FASTENING FRAMES

Fast and aesthetically pleasing installation of the SP 950C compressor unit

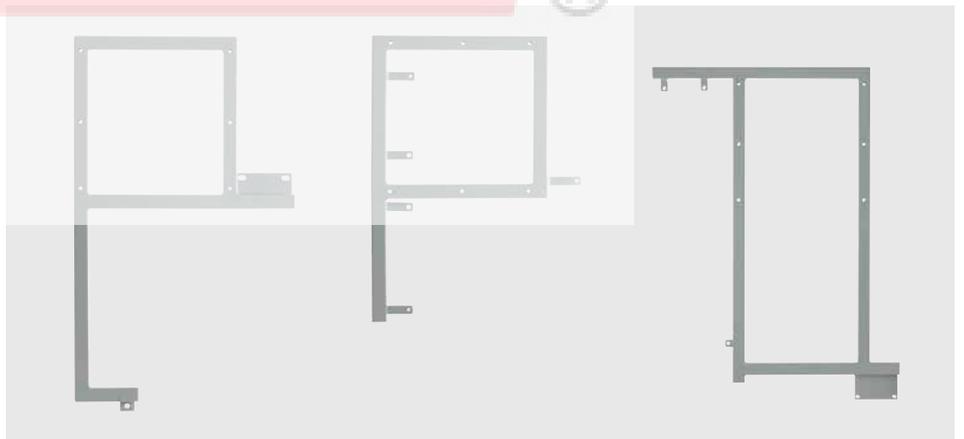


A typical CoolAir benefit: **during the installation** of the SP 950C compressor unit **existing fastening points are used.** In our case the mounting holes and bolts on the outside rear of the cabin.

The fastening frame for the compressor unit perfectly matches the fastening pattern of the vehicle at hand. The obvious advantages are: speedy installation, perfect finish, hassle-free dismantling.



SP 950C compressor unit

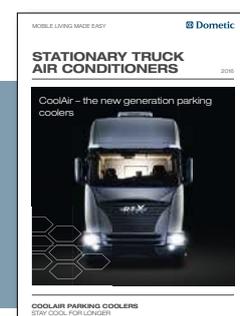


Snug-fitting accessories: vehicle-specific fastening frames for the compressor unit SP 950C. Designed to fit the vehicle's existing fastening points.



CoolAir 2016

All details about the new CoolAir RTX generation can be found in the new CoolAir brochure. You can download a PDF copy at www.dometic.eu.



2.09 // Dometic CoolAir

Roof parking coolers



CoolAir RTX 1000

CoolAir RTX 2000

Ref. No.	9105306210	9105306212
Voltage (volts DC)	24	24
Current consumption (A)	5 – 25	5 – 29
Cooling capacity rated to ISO 5151 (W)	1200	2000
Refrigerant (pre-charged)	R 134a	R 134a
System	Self-contained and battery operated truck parking cooler to be installed in the existing roof hatch. Hermetically sealed and maintenance free refrigerant circuit with inverter compressor. Adjustable low-voltage cut-out. CoolAir installation concept for easy and fast installation.	
Dimensions (W x H x D)	860 x 308 x 643 (height on roof: 169 mm – without gasket)	
Weight (kg)	approx. 22.8	approx. 31.5
Colour / Material	Top cover: ASA/PC, white Base: ASA/PC, anthracite	
Quality features	Latest generation inverter compressor technology, low-voltage cut-out with sensing line, remote control, multi-line display	
Test marks	TÜV Rheinland Type approved, e-approved (Automotive EMC Directive)	
Scope of delivery	Parking cooler, remote control, operating manual	
Accessories (optional)	9100300108	9100300108
Battery connection cable, 6 mm ² , 11 m long, for vehicles with power management		
Accessories (required)	Vehicle-specific installation kits RTX 1000 / RTX 2000 (covering frames, seals, fixing materials, connection cable, installation instructions)	
Vehicle	Ref. No.	
DAF XF 106, SC	9100300078	
DAF XF 106, SSC	9100300079	
Iveco Stralis HI-STEET, HI-ROAD ⁶	9100300087 (Only for RTX 2000)	
Iveco Stralis HI-WAY ⁶	9100300088 (Only for RTX 2000)	
MAN TGS/TGX XL, XXL, LX ¹	9100300080	
MB Atego ^{1,3}	9100300081	
MB Actros, Antos, Arocs (SFTP) ^{1,5}	9100300082	
Renault T + C, H1	9100300089	
Renault T + C, H2 ⁴	9100300090	
Scania Topline, Highline ²	9100300083	
Universal 1 (Schraubbefestigung)	9100300085	
Universal 2 (Bügelbefestigung)	9100300086	

All installation kits are designed for current vehicle models. More models on request.
Please check "preconditions for installation" document for further installation information.

Scope of delivery: cover frame, seals, installation fittings, 4 m connection cable incl. sensing line, installation instructions

¹ MAN and MB kits with 11 m connection cable and matching installation material

² For mechanical roof hatch your will additionally require 2 original Scania brackets (Scania item number 1533737) for installation.

³ Only for electrical roof hatch, for manual roof hatch use Universal 1, not for Gigaliner cab

⁴ Only for cabins without air deflector

⁵ Not for Compact and GigaSpace roof versions

⁶ RTX 1000 only for flat roof, otherwise please use RTX 2000

Split parking coolers

2.09 // Dometic CoolAir



	CoolAir SP 950T	CoolAir SP 950C	CoolAir SP 950I
	Roof evaporator unit	Compressor unit	Interior evaporator unit
Ref. No.	9105305549	9105305550	9105305612
Voltage (volts DC)	24	24	24
Current consumption (A)	12 – 22	12 – 22	12 – 22
Cooling capacity rated to ISO 5151 (W)	850		850
Refrigerant (pre-charged)	R134a	R134a	R134a
System	Three blower levels and automatic mode	Rotary compressor for mobile use, soft-start electronics, adjustable low-voltage protection for vehicle battery, hermetically sealed refrigeration circuit	Three blower levels and automatic mode
Dimensions (W x H x D)	778 x 178 x 577 Height on roof: 58 mm without gasket	346 x 485 x 156	650 x 278 x 145
Weight (kg)	approx. 12	approx. 16	approx. 12
Colour	white	white	anthracite
Quality features	UV-resistant upper shell, can be spray-painted, control panel with digital status readout, remote control, five individually adjustable nozzles, outstanding cooling performance and additional air dehumidification	UV-resistant upper shell, outstanding cooling performance and additional air dehumidification	Control panel with digital status read-out, remote control, five individually adjustable nozzles, outstanding cooling performance and additional air dehumidification
Test marks	e-approved (Automotive EMC Directive)	e-approved (Automotive EMC Directive)	e-approved (Automotive EMC Directive)
Scope of delivery	Roof evaporator unit, remote control, operating manual	Compressor unit, installation fittings, installation instructions	Interior evaporator unit, exterior supply line cover, remote control, operating manual, fixing material
Accessories (optional)	9100300027	–	–

Accessories

Vehicle	Vehicle-specific installation kits for SP 950T (required)		Vehicle-specific fastening frames for SP 950C (optional)	
	Ref. No.		Vehicle	Ref. No.
DAF XF105, XF106, SC	9100300029		DAF XF105	9100300046
DAF XF105, XF106, SSC	9100300030		MAN TGS/TGX L, LX, XL	9100300049
MAN TGS/TGX XL, XLX, XXL, LX ¹	9100300045		MAN TGS/TGX XLX, XXL	9100300050
MB Actros –2011 ^{1,2}	9100300032		MB Actros Mega Space	9100300051
MB Actros, Arocs, Antos (SFTP) ^{1,5}	9100300057		Actros SFTP	9100300060
MB Atego ^{1,2,4} , Axor ^{1,2}	9100300033		Renault Magnum	9100300052
Renault Magnum	9100300034		Renault Premium	9100300053
Renault Premium	9100300035		Renault T+C	9100300071
Renault T+C, H1	9100300066		Scania Highline/Topline	9100300054
Renault T+C, H2 High Sleeper Cab	9100300067		Volvo FH4 (Euro 6) ⁴	9100300072
Scania Topline, Highline ³	9100300036		Volvo L2H3	9100300055
Volvo L2H3, nicht für FH4	9100300037			
Universal 1 (Schraubbefestigung)	9100300038			
Universal 2 (Bügelbefestigung)	9100300039			

All installation kits are designed for current vehicle models. More models on request. Please check "preconditions for installation" document for further installation information.

Scope of delivery: cover frame, seals, installation fittings, 4 m connection cable, installation instructions

¹ MAN and MB kits with 11 m connection cable and matching installation material

² Only for electrical roof hatch (for mechanical roof hatch use Universal 1)

³ For mechanical roof hatch you will additionally require 2 original Scania brackets (Scania item number 1533737) for installation.

⁴ For cabs up to model year 2014

⁵ Not for CompactSpace roof versions



PERFECT YOUR VEHICLE!



VEHICLE ACCESSORIES



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Added driving pleasure

Do you feel like most vehicle owners? Actually, you are quite content with your vehicle, but there's one or two things you'd like to add ...

WAECO accessories are here to make your wish come true – quickly, without hassle and at fair prices.

For trucks, cars and vans.





CARS, TRUCKS, VANS – MORE COMFORT FOR ALL VEHICLES!

The size of your vehicle doesn't matter here. The question we'd like to ask is: How much comfort do you want?

Our new automotive catalogue provides you with retrofit accessories for all vehicle sizes. Many products are suitable for universal use. They run on a 12-volt car battery just as well as on a 24-volt system of a commercial vehicle, and they will change from one to another with ease.

We have marked all products with graphic symbols for you to know at a glance which accessory fits which vehicle.

Alarm system

WAECO MagicSafe

Analogue universal alarm system with add-on options.



p. 22

Gas detector

WAECO MagicSafe MSG 150

Detects all common narcotic gases. Acoustic or visual alarm function (vehicle horn or red LED). Optional external siren.



p. 22

Safes

Dometic SAFE

Compact and robust with mechanical locking system or as an automatic model with automatic locking by code entry.



p. 23

Cruise controls

WAECO MagicSpeed

Maintain and restrict your speed automatically which is useful on long stretches and in construction site areas. Helps prevent speeding tickets.



p. 24 – 25

Remote controls

WAECO MagicTouch

Ergonomic hand transmitter for unlocking and locking of the original central locking system. Vehicle-specific or for universal use.



p. 26

Seating comfort

WAECO MagicComfort

Seat covers – warm and cosy or with air conditioning effect. Insert seat heater for driver and front passenger seat. Also available as carbon version for ultra-fast heating up.



p. 27 – 29

Parking aids

WAECO MagicWatch

Eleven well proven systems – for front, rear or both. With extra-small sensors, they are reliable inexpensive and fitted in no time at all.



p. 30 – 38

Blindspot system

WAECO MagicWatch

Play it safe, where the driver cannot see everything. Three installation options to choose from: side scan, corner and step scan, front scan.



p. 39

ANALOGUE UNIVERSAL ALARM SYSTEM WITH ADD-ON OPTIONS

The analogue MagicSafe MS 660 universal car alarm is designed as a modular system. This gives you the opportunity to create your own security concept. You can easily connect additional sensors or wireless contact switches to secure roof boxes or (bike) trailers for example.

3.08

WAECO MagicSafe MS 660

Comfort car alarm

- Monitoring of doors, bonnet, boot
- Ultrasonic interior surveillance (can be switched off)
- Visual alarm via hazard lights



Hand transmitter



Motion sensor



Radio contact switch

Ref. No. 9101600001

Scope of delivery:

2 radio hand transmitters, alarm control unit, ultrasonic interior protection, bonnet contact switch, status LED, emergency switch, relay for vehicle horn, pre-configured cable set and fixing material, installation and operating instructions, 2 alarm stickers

Optional extras

- Siren // Ref. No. 9101600008
- Motion sensor // Ref. No. 9101600003
- Hand transmitter // Ref. No. 9101300009
- Radio contact switch // Ref. No. 9101600002
- Gas detector MSG 150 // Ref. No. 9103555858

PROTECT YOURSELF FROM GAS ATTACKS!

Don't worry about robberies involving gas attacks! With the MagicSafe MSG 150 gas detector onboard you have a reliable warning system in place. The device triggers the alarm as soon as it detects any hazardous substances in the ambient air. The noise of its integrated buzzer just can't be ignored. A red LED lights up for extra warning. It's extremely easy to use: once it has been activated, the gas detector starts its self-testing mode and automatically adjusts itself to the ambient air.

3.08

WAECO MagicSafe MSG 150

Gas detector 12 and 24 volts

- Responds to all common narcotic gases
- Acoustic and visual alarm
- Adjusts automatically to the room atmosphere
- External siren available as optional accessory



Gas detector MSG 150 // Ref. No. 9103555858

Optional extras:

External siren // Ref. No. 9101600008



Our tip!

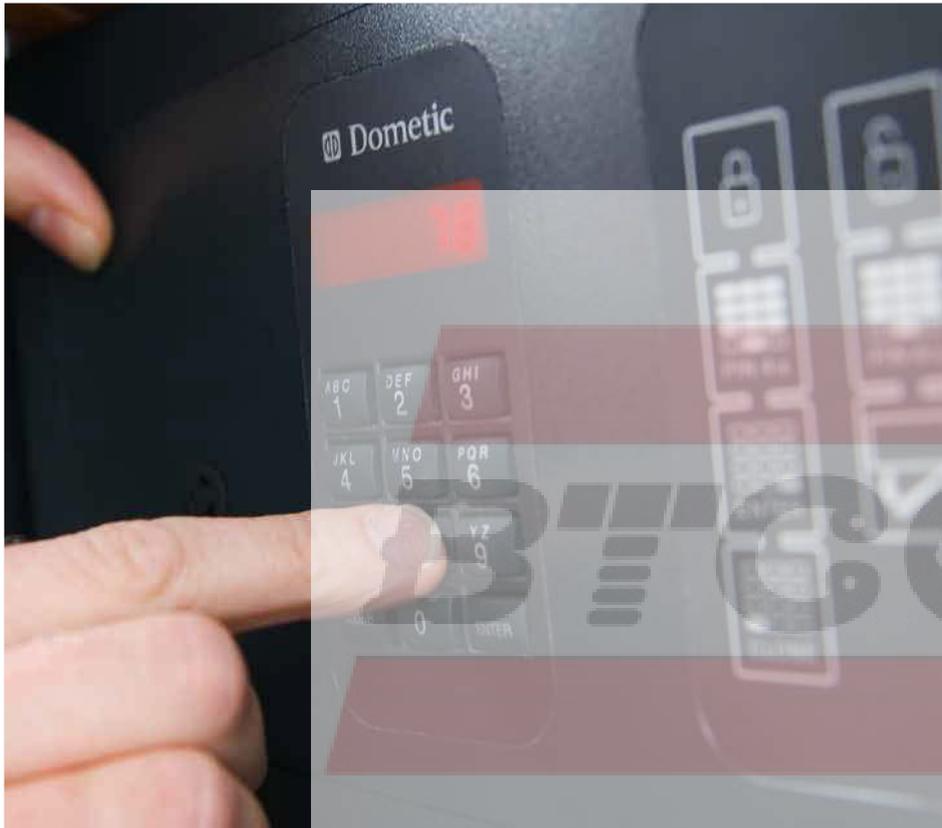
MagicSafe recognises all common narcotic gases based on ether, chloroform, butane, ethane, or trichloroethane.



A SAFE BET FOR STORING YOUR VALUABLES

Dometic safes leave no point of attack for thieves and burglars. Keep your valuables secure while on the move with laser-cut doors (SAFE 361C / SAFE MD 281C/ SAFE MD 361C) and two 18 mm steel bolts. The ideal security concept for your vehicle – designed by a company that sets the quality benchmarks for hotel safe security worldwide.

Select from two comfort classes: with mechanical or automatic locking system, compact or laptop-size model.



MY BENEFITS

- Compact and sturdy:**
 The key-locking mechanical models Dometic SAFE 310C and 361C provide many features for enhanced security.
- Security with extras:**
 the two automatic models Dometic SAFE MD 281C and MD 361C meet highest demands in terms of operating comfort and design.



Vehicle accessories



3.34

Dometic SAFE 310C / 361C

Safes with mechanical locking system

- High-grade finish for maximum security
- Easy operation with a key
- Dometic SAFE 361C in laptop size

SAFE 310C // Ref. No. 9106600543
SAFE 361C // Ref. No. 9106600002



3.34

Dometic SAFE MD 281C / MD 361C

Safes with automatic locking system

- Electronic locking by code entry with 5-minute memory function
- Attractive design with illuminated LED display
- Dometic SAFE MD 361C in laptop size

SAFE MD 281C // Ref. No. 9106600003
SAFE MD 361C // Ref. No. 9106600004



CAN BUS INTERFACE

YOUR DIGITAL-ANALOGUE TRANSLATOR

Do you want to retrofit an analogue accessory, but the vehicle has a digital CAN bus system? Go ahead, it's no problem at all: the MagicSpeed CAN bus interface ensures smooth communication between the analogue and digital worlds.

MagicSpeed CBI 150 "translates" the digital CAN bus signals into analogue impulses and transmits them to the retrofitted accessory. The universal CAN bus interface can be used for all common vehicle models, and it automatically recognises the type of vehicle connected. Designed for installation of Dometic comfort and safety accessories, it can also be used for similar products of other makes that require an analogue signal. The interface is able to process up to six analogue output signals.



Our tip!

The WAECO CAN bus interface makes vehicles fit for analogue retrofits – suitable for the most common models!



3.06



WAECO MagicSpeed CBI 150

Interface for converting digital CAN bus signals into analogue signals

- 6 analogue output signals
- Automatically identifies the type of vehicle
- Universal product for all types of vehicles

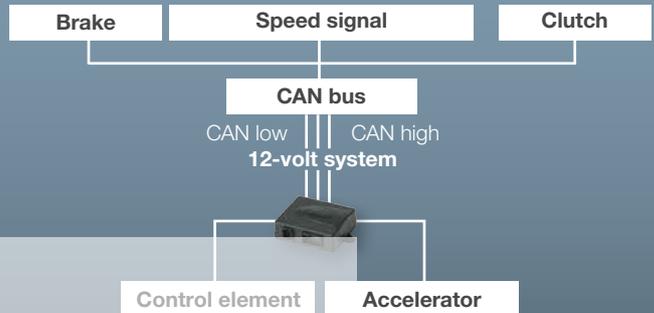
Ref. No. 9101400060





MY BENEFITS

- For vehicles with electronic accelerator
- Vehicle-specific design, also for many cars with CAN bus system
- Easy installation



Vehicle accessories

AN EASY WAY TO KEEP A STEADY SPEED

VEHICLE-SPECIFIC CRUISE CONTROL

MagicSpeed MS 880 is suitable for almost all vehicles with electronic accelerator, analogue and CAN bus alike. Installation is very easy and requires the matching cable set for the vehicle.



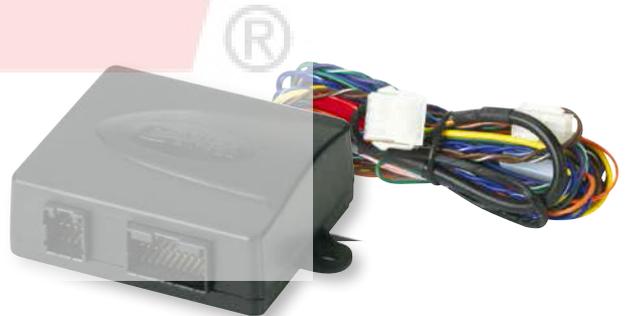
3.06

WAECO MagicSpeed MS 880

Comfort cruise control

- Set speed, reset previous speed, fine speed adjustment (tap up/down)
- For vehicles with electronic accelerator
- Designed for specific vehicles

Ref. No. 9101400078



3.06

WAECO MagicSpeed Accessory

MS-BE4, Control lever to be fitted on the steering column

- Attractive design, looks like an original fitting
- ON/OFF switch with status indication, fine speed adjustment

Ref. No. 9103555853



3.06

WAECO MagicSpeed Accessory

MS-BE7, Control lever to be fitted on the steering column (for MS 880 only)

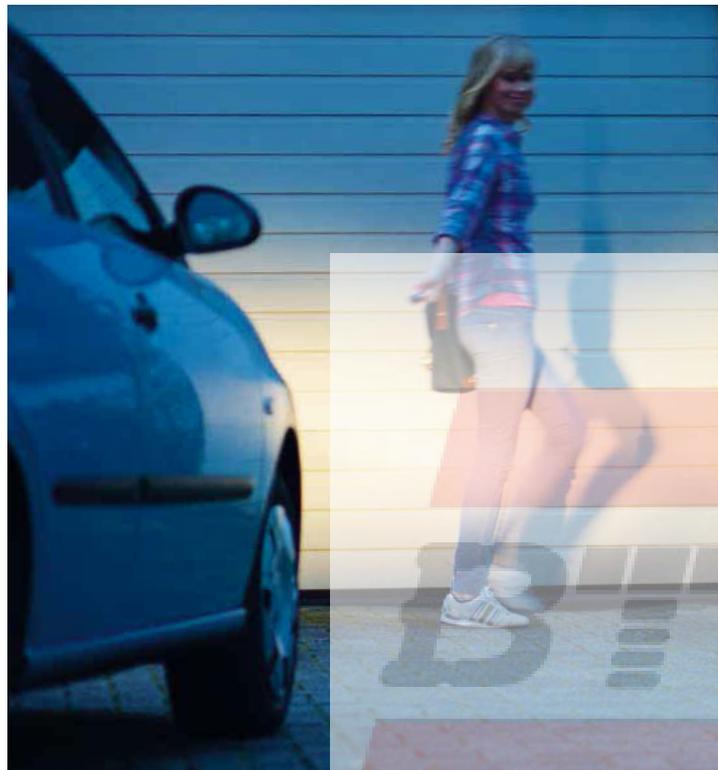
- Cross control (push/pull/up/down)
- Memory for two speeds
- With "Cancel" function

CLICK: CAR'S LOCKED!

UNLOCKING, LOCKING, SAFELY HOME ...

Remote controls with many extras for convenience. Both remote controls offer the basic functions "unlock" and "lock" in a range up to 20 metres. The car-specific MT 200 is easy to install. It can be fitted even by amateurs and provides high security against copying. MT 400 is a universal remote control with many convenient features.

Take the coming home function, for instance, which turns on the dipped headlights for ten seconds so you can see your way safely to your front door.



MY BENEFITS

MT 400

- **Auto-relock:** re-locks the car if none of the doors are opened after being unlocked by the hand transmitter.
- **Interior light:** switched on from unlocking the doors to starting the engine (max. 30 seconds).
- **Safety lock:** Locks the doors while driving, unlocks the doors when the ignition is turned off.
- **Coming home function:** Locking the vehicle activates the dipped headlights so you can see your way safely to your front door.



Our tip!



3.05

WAECO MagicTouch MT 200

Radio remote control with vehicle-specific cable set

- Unlocking and locking of the central locking system with blinking hazard lights
- Maximum security against copying through rolling code system
- Ergonomic hand transmitter (20 m range) included
- Can be upgraded to include up to five hand transmitters
-



3.05

WAECO MagicTouch MT 400

Radio remote control for universal use

- Unlocking and locking of the central locking system with blinking hazard lights
- Many extra functions for enhanced convenience
- Two ergonomic hand transmitters (20 m range) included
- Can be upgraded to include up to five hand transmitters
- Designed for universal use

Ref. No. 9101300007

COOL OR COSY

SEATING COMFORT FOR HOT AND COOL DAYS

A blessing for everyone heading for a holiday destination or business meeting: The air-conditioned seat cover MagicComfort MCS 20 creates gentle air circulation on the seat and backrest with a pleasant, slightly massaging and invigorating effect. Two cooling levels are possible. The anatomically designed seat cover ensures a comfortable, stable and safe seating position



MY BENEFITS

- Suitable for cars with side airbags in the seats
- Optimal air circulation on the seat and backrest
- Attractive zipped bag for storage in winter

Vehicle accessories



3.23

WAECO MagicComfort MCS 20

Air-conditioned seat cover made from a breathable cotton-polyester fabric

- Comfortable, stable and safe seating position
- Simple and practical fixing
- Two cooling levels: quick chill and pleasant permanent cooling
- Suitable for cars with side airbags in the seats

Ref. No. 9101700043

An icy cold seat can easily spoil your mood on a cold day in autumn or winter. Treat yourself and your passenger to cosy warmth from underneath with the two-stage seat heating MagicComfort MH 40.



MY BENEFITS

- Fits, warms and protects
- Integrated temperature guard
- Integrated lumbar support pad
- Lockable DC plug
- Side airbag tested by TÜV Rheinland



3.23

WAECO MagicComfort MH 40

Heated seat covers with two heat levels

- Integrated lumbar support pad
- Two easy fastening options
- Two heat levels: pleasant permanent heat or fast heat-up
- Lockable DC plug – for a safe contact

Ref. No. 9101700023 // MH 40S, black

MH 40S

INTEGRATED HEATING

A WARM SEAT – FOR ONE OR TWO

Enjoy luxury-class seating comfort: WAECO MagicComfort MSH 60/601 gets your seat warm in a matter of seconds. As with seat heating integrated in the factory, the heating elements for the seat and the backrest are fitted between the upholstery and the seat cover; the retrofit doesn't alter the shape of the seats. Available for one or two seats.



MY BENEFITS

- Simple installation, for seats with detachable cover
- Integrated temperature guard
- Available for one or two seat(s)



3.23

WAECO MagicComfort MSH 60/601

Insert seat heater for driver and/or front passenger seat

- Complete sets for one or two seats
- Two heat stages: pleasant permanent heat or fast heat-up
- Integrated temperature guard
- For seats with detachable cover
- **With illuminated switch**

Ref. No. 9101700025 (MSH 60, for two seats)

Ref. No. 9101700026 (MSH 601, for one seat)



Concealed installation in the vehicle seats, like with an original seat heater, the shape of the seat remains unchanged



Simple installation: just insert the heating elements between the foam core and the cover



Illuminated universal switch for installation on the dashboard or seat trim

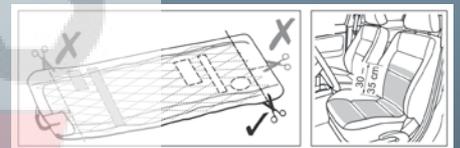
WARMTH AND COMFORT IN RECORD TIME: CUT-TO-SIZE CARBON HEATING

Comfortable, super-fast seat heater for retrofitting in the driver and/or front passenger seat. The high quality carbon heating elements for the seat and backrest are simply fitted between the upholstery and the seat cover without altering the shape of the seat.



MY BENEFITS

- Cut-to-size carbon heating elements
- Extremely fast heat-up
- Adjustable heat output
- Easy operation
- Integrated temperature guards
- Available for one or two seat(s)



Switch when the ignition is turned on, or when the seat heater is turned "OFF"



Level 3 = High heat output for fast heat-up when you set off



Level 2 = Medium heat output



Level 1 = Low heat output for continuous operation



3.23

WAECO MagicComfort MSH 300/301

Carbon insert seat heater for driver and/or front passenger seat

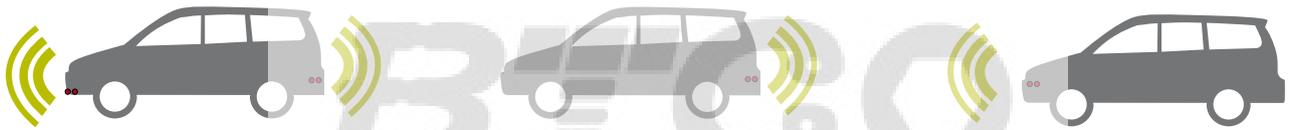
- **Cut-to-size carbon heating elements, extremely fast heat-up**
- Elegant, ergonomic push button with LED display
- 3 heat stages – from 10 to 70 watts
- RESET when the ignition is turned off
- Four or two integrated temperature guards

MSH 300 (for two seats) // Ref. No. 9101700034

For vehicles with side air bags in the backrest please note the manufacturer's instructions for removing the seats and upholstery.



THREE SYSTEM VERSIONS THE MATCHING PARKING AID FOR EVERY CUSTOMER AND FOR EVERY VEHICLE!



The complete solution

Tiny sensors for rear and front

The smallest sensors for rear and front bumpers available in the market. The result: maximum manoeuvrability and great installation results! Comparative tests have shown that the 7 & 9-series parking aids exceed the performance of most serial systems by far. Available as **“classic” hard-wired system** or **easy-to-install wireless model**.

The classical solution

Popular retrofits

A total of seven MagicWatch rear systems cover almost all imaginable applications and requirements. Suitable for cars, vans and light trucks. From budget to premium. With Digital Signal Memory or the option to shift the stop line.

The front solution

Wireless or hard-wired

Three MagicWatch front systems are what we offer to all who want to protect themselves in the forward direction. The wireless WPS 900F is based on the ultra-small sensors of the 9-series. If you prefer a hard-wired model, opt for the MWE 890 or MWE 7106F.

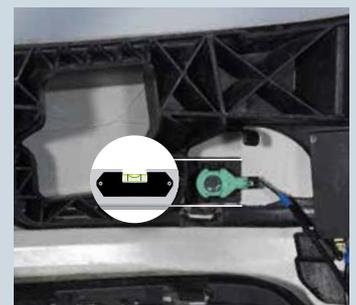
Our tip!

Fitted in record time – MagicWatch wireless parking aids

The signal transmission between the control unit and loudspeaker is via a wireless link. This spares you the effort of having to lay cables across the length of the vehicle, and there's no need to search for the ideal cable route either. On the front system as well as on the complete system, the robust control units (splash-proof according to IP54) are directly integrated into the bumpers. The centre and outer sensors can be set individually of one another to perfectly suit the vehicle you have.



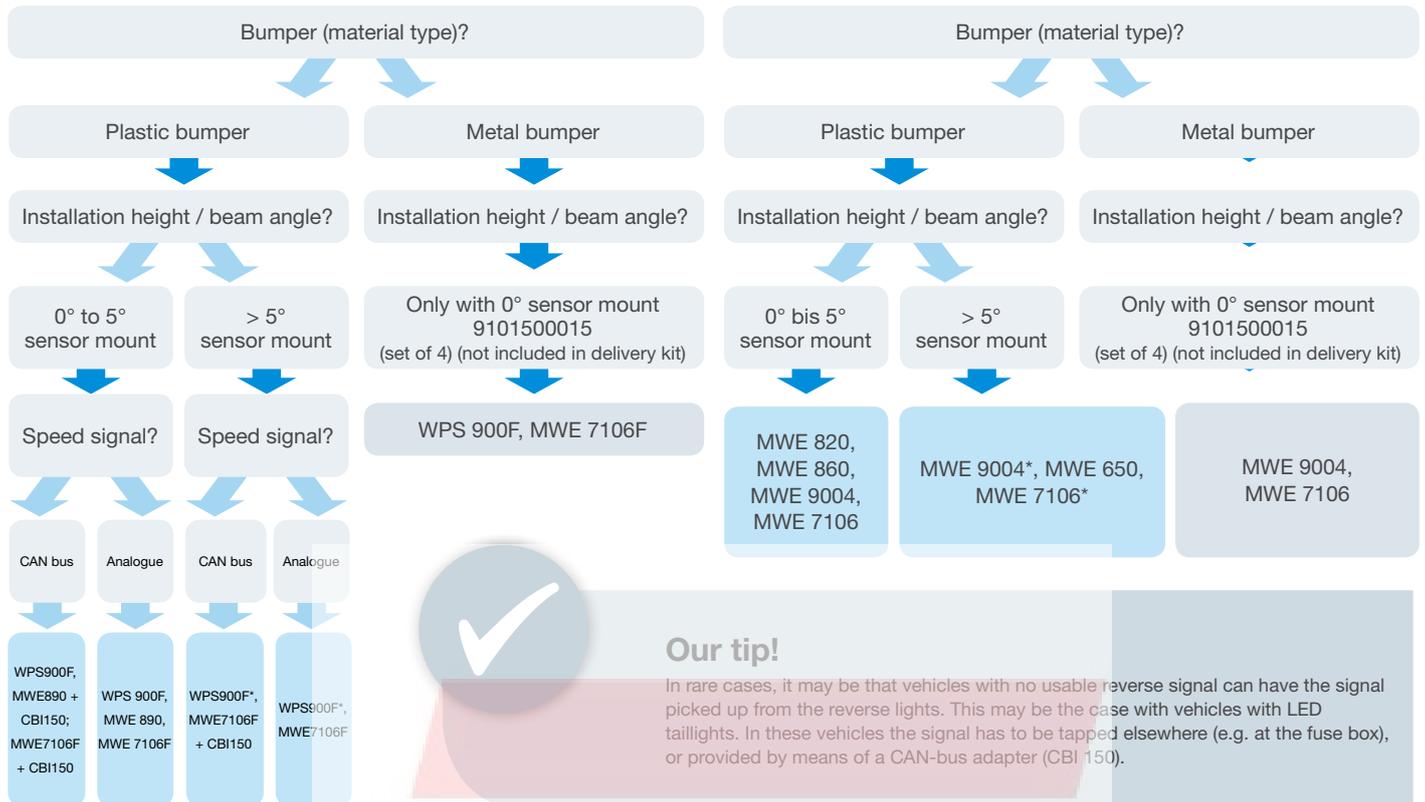
Loudspeaker with LED display
(acoustic and visual warning)



Control unit in the bumper

Front system

Rear system

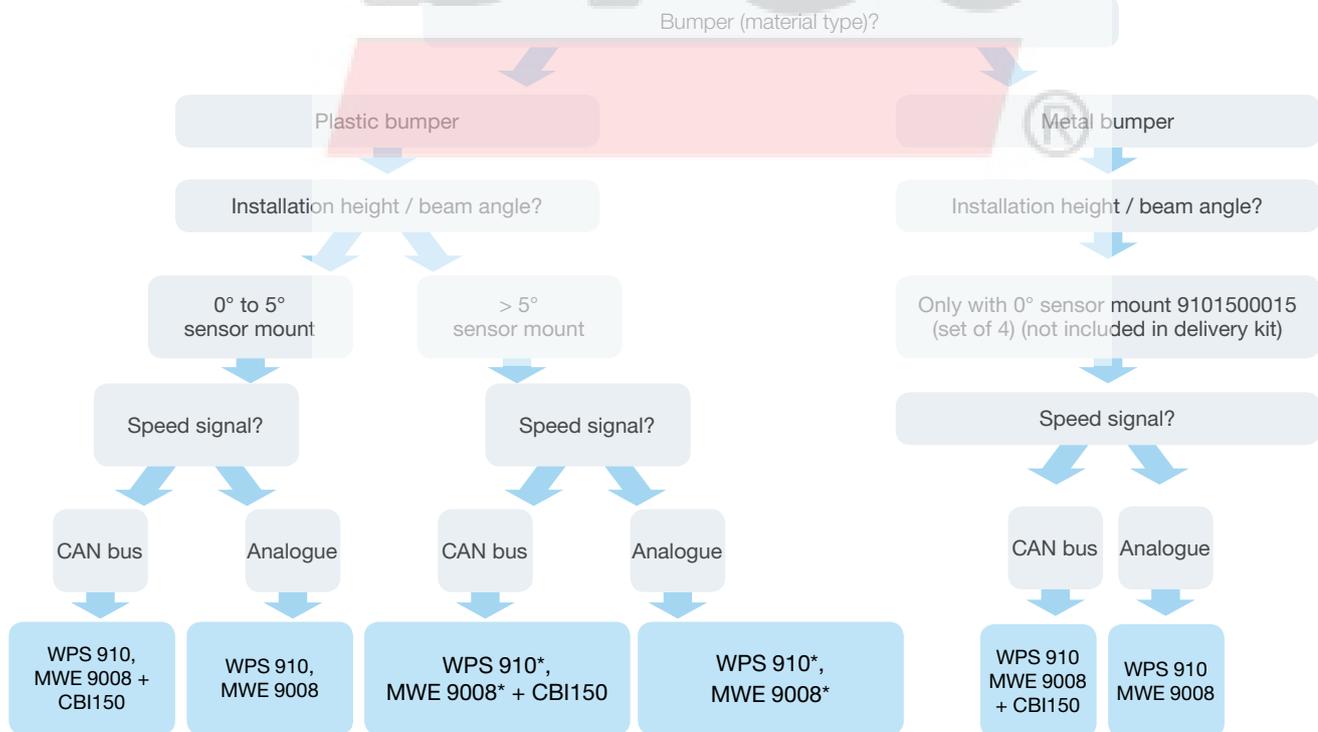


Our tip!

In rare cases, it may be that vehicles with no usable reverse signal can have the signal picked up from the reverse lights. This may be the case with vehicles with LED taillights. In these vehicles the signal has to be tapped elsewhere (e.g. at the fuse box), or provided by means of a CAN-bus adapter (CBI 150).

* 20° sensor mount for 7 + 9-series: 9101500023 – set of 1 – not included in delivery kit

Complete system



* 20° sensor mount for 9-series: 9101500023 – set of 1 – not included in delivery kit

It is also possible to use MWE7106 + MWE 7106F for analog and MWE 7106 + MWE7106F + CBI150 for CAN Bus connection



INCH PERFECT MANOEUVRING PARKING AIDS FOR CARS, VANS AND LIGHT TRUCKS

Save time, avoid damage and repairs – it's all possible with WAECO MagicWatch parking aids. Numerous system versions are available: parking aids for the front, rear, or front and rear, hard-wired or wireless models for ease of installation. For even better visibility, the MagicWatch MWE series now includes **two new parking aids with six digital ultrasonic sensors** and an extra-large detection range up to three metres (rear system MWE 7106). Another newcomer to the MagicWatch range is our **blind spot system MWE 4004 for trucks**, featuring four sensor eyes scanning the critical blind spot area next to the passenger side of the vehicle. It is a low-cost and effective retrofit solution that helps avoid fatal accidents while turning and changing direction.

Regardless of what vehicle you drive, WAECO MagicWatch parking aids give you inch perfect accuracy and complete peace of mind.



NEW: Parking aids with 6 digital sensors

The new digital parking aids WAECO MagicWatch MWE 7106 (rear system) and 7106F (front system) come with six sensors. That means they can also scan the side area of the bumper, or provide optimal protection for wider vehicles. A technically convincing and safe retrofit solution, which looks like an original product fitted in the factory.



NEW



THE BENEFITS

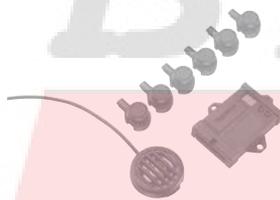
- 6 digital sensors – like with an original factory parking aid
- Parameter Programming System (PPS)
- Sensor sensitivity, range and stop zone adjustable for each sensor
- Extra-large detection range up to 3 m
- Radio mute function
- Ideal for additionally securing the side area, or for wide vehicles



SIX SENSORS SEE MORE PARKING AIDS IN OEM QUALITY

The new MagicWatch parking aids (models available for the front and for the rear bumper) perfectly match the quality of an original system fitted in the factory. They have six digital ultrasonic sensors which can be placed as required to provide optimal manoeuvring safety for the respective vehicle. On a car or van, for instance, two sensors can be used to secure the sides of the bumper.

Using the Parameter Programming system (PPS), the sensitivity, detection range and stop zone can be set individually for each sensor. Even a tow-bar can be taken into account. The radio mute function silences the radio when concentrating on manoeuvring.



3.07



3.07

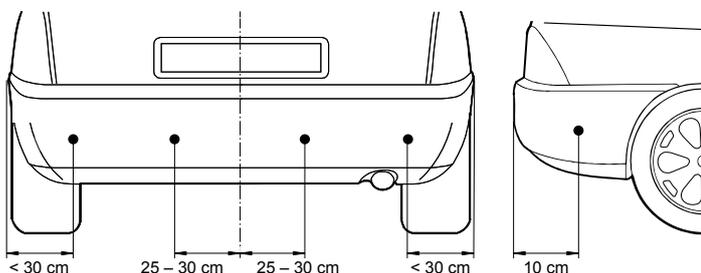
WAECO MagicWatch MWE 7106

Digital rear parking aid,
6 compact digital sensors, can be positioned as required

- 6 sensors – like with an original factory parking aid
- Parameter Programming System (PPS)
- Sensor sensitivity adjustable
- Radio mute function
- Suitable for vehicles with a tow-bar
- Diagnosis function
- High-quality membrane loudspeaker
- Adjustable stop zone and adjustable range
- Compact control unit
- Detection range up to 3 m

Ref. No. 9101500072

➔ **Optional extra:**
LED display // Ref. No. 9101500079



Tel: (+974) 443 54 298
www.boltsandtools.com

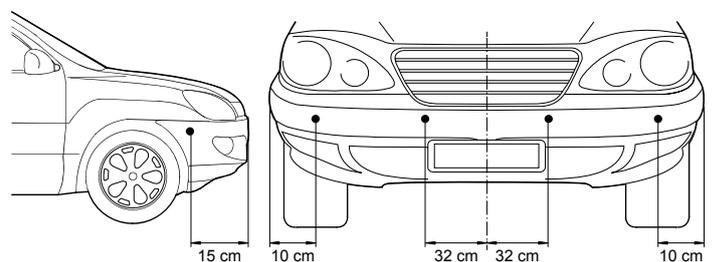
WAECO MagicWatch MWE 7106F

Digital front parking aid,
6 compact digital sensors, can be positioned as required

- 6 sensors – like with an original factory parking aid
- Parameter Programming System (PPS)
- Sensor sensitivity adjustable
- Radio mute function
- Activation/deactivation via speed signal
- Diagnosis function
- High-quality membrane loudspeaker
- Adjustable stop zone and adjustable range
- Compact control unit
- Detection range up to 1,2 m

Ref. No. 9101500073

➔ **Optional extra:**
LED display // Ref. No. 9101500079



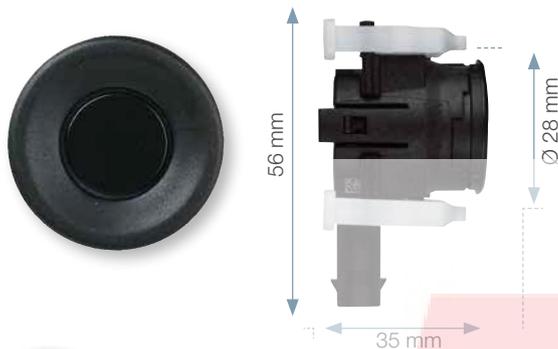
Tel: (+974) 443 54 298
www.boltsandtools.com

WAECO SENSORS

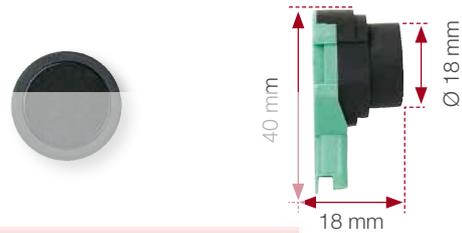
ALMOST INVISIBLE

Car owners care about how their cars look. The parking aid sensors should work properly but be invisible if possible. The small WAECO sensors – painted over in the colour of the car body – come very, very close to fulfilling this wish. The sensors of the MagicWatch 9-series are among the smallest on the market. Much larger versions are often installed even as original equipment. The sensors of the 8 series are also more compact and easier to install than most competing products.

Sensor of a competitor



WAECO 7- and 9-series sensor



**INSTALLATION
MADE EASY**

PUNCHING TOOLS FOR
FLAWLESS INSTALLATION
RESULTS



For fast and professional installation of the sensors, we offer specially developed punching tools. These allow the sensors of the 7-, 8- and 9-series to be installed in the bumper in the blink of an eye. And the work result is absolutely convincing! Smooth punching edges pulled toward the inside, no cracks or chips in the paint. The very recommendable punching tools are available in two versions (\varnothing 18 mm and \varnothing 22 mm) to fit 7-, 8- and 9-series sensors. Available individually or together in a complete set with various holders.



3.07

WAECO MagicWatch Accessories

Punching tool for 18 mm sensors of the 7- and 9-series //
Ref. No. 9101500013

Punching tool for 22 mm sensors with 10° mount //
Ref. No. 9101500024

Fixing kit box containing: 18 mm punching tool, 22 mm punching tool,
all standard mounts and all mounts for custom solutions //
Ref. No. 9101500026





3.07

WAECO MagicWatch WPS 900F

Wireless parking aid for use in the front bumper of cars, for vehicles up to 2.20 m wide

- Distance measurement with 4 built-in sensors
- For vehicles with 12-volt or 24-volt power supply

Ref. No. 9101500019

• **Optional extras:**

- Punching tool for 18 mm sensors // Ref. No. 9101500013
- Punching tool (22 mm) for sensors with 10° mount punching tool // Ref. No. 9101500024



3.07

WAECO MagicWatch WPS 910

Wireless parking aid for cars, 8 built-in sensors for front and rear, for vehicles up to 2.20 m wide

- Distance measurement with 8 ultrasonic sensors
- For vehicle with 12-volt or 24-volt power supply

Ref. No. 9101500020

• **Optional extras:**

- Punching tool for 18 mm sensors // Ref. No. 9101500013
- Punching tool (22 mm) for sensors with 10° mount punching tool // Ref. No. 9101500024

MY BENEFITS

- **Wireless front system**
- Incl. loudspeaker with LED display
- Super-compact, paintable sensors
- Fast installation

MY BENEFITS

- **Radio system for front and rear**
- Centre and outer front and rear sensors can be set individually
- Fast installation



3.07

WAECO MagicWatch MWE 9004

Rear parking aid for cars, 4 built-in sensors for vehicles up to 2.20 m wide

- Distance measurement with 4 ultrasonic sensors
- For vehicles with 12-volt or 24-volt power supply

Ref. No. 9101500054

• **Optional extras:**

- Display for visual distance indication (12 volts) // Ref. No. 9101500002
- LED display // Ref. No. 9101500062
- Punching tool for 18 mm sensors // Ref. No. 9101500013
- Punching tool for 22 mm sensors with 10° mount // Ref. No. 9101500024



3.07

WAECO MagicWatch MWE 9008

Parking aid for cars, 8 built-in sensors for front and rear for vehicles up to 2.20 m wide

- Distance measurement with 8 ultrasonic sensors
- For vehicles with 12-volt or 24-volt power supply

Ref. No. 9101500055

• **Optional extras:**

- 1.5 m extension cable for sensors // Ref. No. 9103555747
- MagicSpeed CBI 150 // Ref. No. 9101400060
- Punching tool // Ref. No. 9101500013
- Punching tool for 22 mm sensors with 10° mount // Ref. No. 9101500024
- ON/OFF switch for front parking aid // Ref. No. 9101500066



Optional: The digital colour display indicates the distance with graphics and numbers.



Optional: beautiful LED display





THE BENEFITS

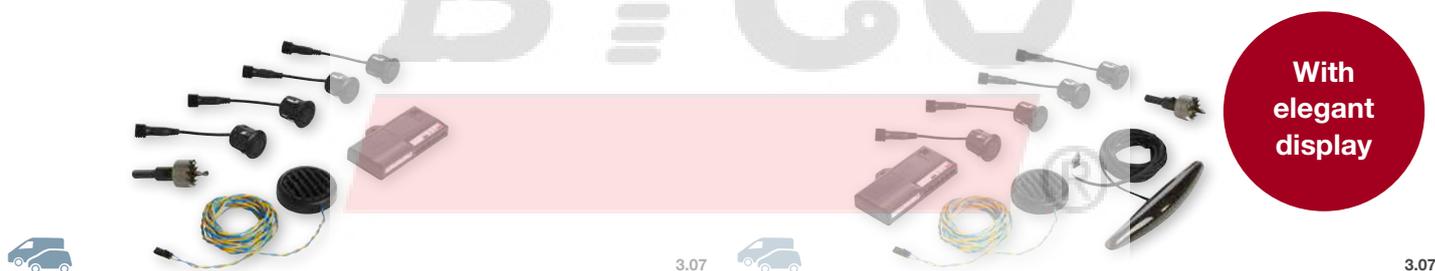
- Entry-level-price models
- Built-in sensors for a perfect finish
- Paintable sensors
- Radio mute control
- Can be used on vehicles with tow-bars
- Option to shift the stop line

REAR SOLUTIONS FOR CARS

ENTRY-LEVEL-PRICE MODELS

Reliable “rear protection” for your car does not have to be expensive. With these two MagicWatch parking aids, you provide value-conscious customers with proof. Both are suitable for vehicles up to 2.20 m wide, are equipped with four sensors and have an acoustic warning. The MWE 860 also has a visual indicator: The distance to the obstacle is also indicated on a stylish LED display.

Unlike many competitor products, 8-series sensors are supplied ready for installation, with exactly dimensioned cable sections, and they require only half the mounting depth (see photos below for comparison, enlarged view). Nothing stands in the way of quick and easy installation.



3.07



3.07

WAECO MagicWatch MWE 820

Rear parking aid for cars,

4 built-in sensors for vehicles up to 2.20 m wide

- Distance measurement with 4 ultrasonic sensors
- Activation of the system via reverse gear
- Power supply with 12 volts and 24 volts
- Range: Stop zone 10 – 40 cm,
Measuring range rear: 40 – 160 cm

Ref. No. 9101500040

WAECO MagicWatch MWE 860

Rear parking aid for cars, **4 built-in sensors with display**, for vehicles up to 2.20 m wide

- Distance measurement with 4 ultrasonic sensors
- Activation of the system via reverse gear
- 12-volt and 24-volt power supply
- Range: Stop zone 10 – 40 cm,
Measuring range rear: 40 – 160 cm

Ref. No. 9101500041

Our tip



The sensors of the 8-series

With many inexpensive parking aids, installation requires “tinkering”. The sensors first need to be “jerry-rigged” onto the connection cable, which is also much too long. The sensors of the 8-series systems are optimally prepared for installation. Installation is completed very quickly using the matching 22 mm punching tool (Ref. No. 9101500024).



FRONT PARKING AID FOR RETROFITTING GREAT ALSO AS AN ADD-ON TO EXISTING REAR SYSTEMS

Do you want to supplement your rear parking aid to get all-round protection for your car? Then you should opt for one of our optimised-range front systems – e.g. the hard-wired MWE 890. It will only detect obstacles in the vehicle's dangerous zone (< 75 cm). Greater ranges quickly lead to unwanted signalling in the front area, especially in tight city traffic. The parking aid is activated and deactivated through the speed signal and reverse gear or an external switch (optional). For customers who want a visual warning system in addition to the acoustic one, there's an optional LED display.



3.07

WAECO MagicWatch MWE 890

Parking aid for use in the front car bumper

- Distance measurement with 4 ultrasonic sensors
- No need to switch it on: system is activated by the speed signal
- Self diagnosis with error indication
- Acoustic (and, optionally, visual) warning function
- Range: Stop zone 10 – 35 cm,
Measuring range: 35 – 75 cm
- Optimal detection of obstacles in the close range
- For all vehicles with 12 to 27 volts power supply
- Built-in sensors for a perfect finish, sensors can be painted

Ref. No. 9101500042

Optional extras:

LED display // Ref. No. 9101500045

External switch // Ref. No. 9101500049

Punching tool for 18 mm sensors // Ref. No. 9101500013

Punching tool for 22 mm sensors with 10° mount //

Ref. No. 9101500024

MY BENEFITS

- Specially designed for installation in the front bumper
- Activation via speed signal
- The ideal add-on to existing rear parking aids
- Supplied with core bit



Optional: Elegant LED display (Included in MWE 860, for MWE 890 available as an optional extra)



REAR SYSTEMS FOR LARGER VEHICLES WITH SUB-MOUNTED OR BUILT-IN SENSORS

The proven parking aids MW 650 and MWE 650 were developed specifically for large vehicles (trucks up to 7.5 t). Their distinguishing features: a large range of 250 cm, acoustic and visual warning functions, free voltage supply from 10 – 32 volts, splash-proof components, extra-long sensor lines and of course, Digital Signal Memory (DSM): The system “memorises” objects permanently fitted to the vehicle and distinguishes them from external obstacles when checking the area behind the vehicle. With the quickly installed MW 650, the sensors are mounted under the rear bumper, and with the MWE 650, the sensors are integrated in the rear bumper.

MY BENEFITS

- For 12 and 24 volts
- Easy fitting with **sub-mounted sensors**
- Splash-proof control unit
- Installation time: about 2 to 3 hours

MY BENEFITS

- For 12 and 24 volts
- **Built-in sensors** for perfect installation results
- Splash-proof control unit
- Installation time: about 3 to 4 hours



3.07

WAECO MagicWatch MW 650

Rear parking aid for trucks, with DSM function and 4 sub-mounted sensors

- Distance measurement with 4 sub-mounted sensors
- Free voltage supply from 10 volts to 32 volts
- Distance indication in 1-cm steps on the LED display
- Range: Stop zone 10 – 30 cm,
Measuring range rear: 30 – 250 cm
- Sub-mounted sensors for flexible installation

Ref. No. 9103555875



3.07

WAECO MagicWatch MWE 650

Rear parking aid for trucks, with DSM function and 4 built-in sensors

- Distance measurement with 4 built-in sensors
- Free voltage supply from 10 volts to 32 volts
- Distance indication in 1-cm steps on the LED display
- Range: Stop zone 10 – 30 cm,
Measuring range rear: 30 – 250 cm
- Specially designed for metal bumpers

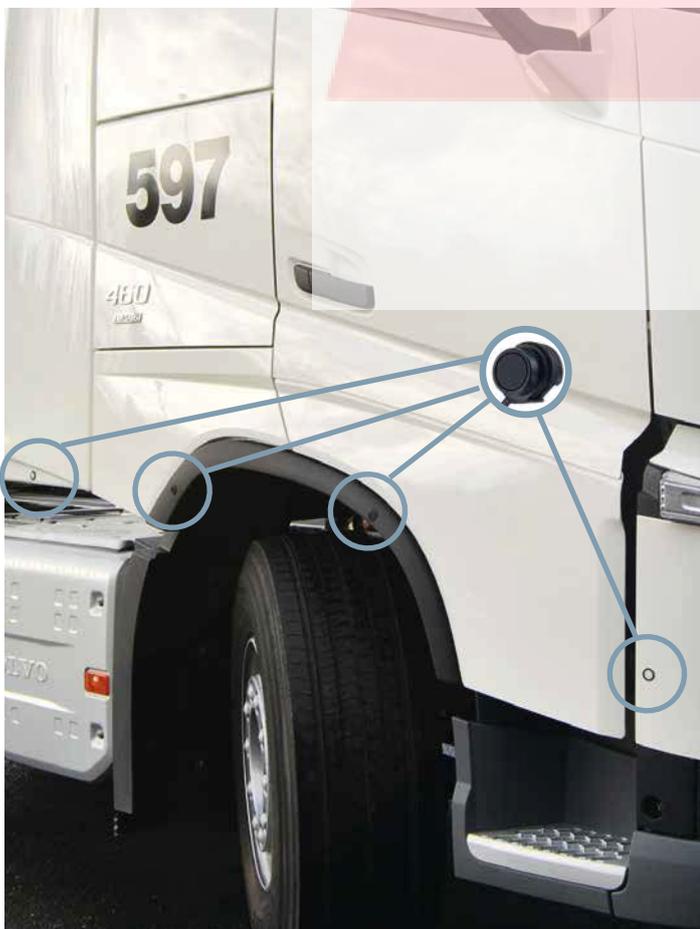
Ref. No. 9103555886



BLIND SPOT SYSTEM FOR TRUCKS RETROFIT NOW AND AVOID ACCIDENTS!

Statistics say that about 15% of all traffic accidents involving heavy goods vehicles happen while turning or manoeuvring. In about 30% of all cases pedestrians or cyclists are affected, because when the vehicle is turning, they disappear into the blind spot area and therefore are out of the driver's view.

This is where the new WAECO MagicWatch MWE 4004 blind spot system proves very helpful. Four sensors watch the critical blind spot area and the passenger side while turning. They come on automatically when the vehicle moves at manoeuvring speed. The driver gets a double warning: visually via the 4-colour LED display in the cockpit, audibly via the beep from the loudspeaker.



Our tip!

To cover various vehicle conditions, the MWE 4004 offers three mounting options: for scanning the side area, the corner and steps, or the front area.



3.07

WAECO MagicWatch MWE 4004

Blind spot system for trucks

- 4 sensors for side scan of the blind spot area
- Visual and acoustic warning
- Four-colour LED design display
- Detection range up to 120 cm
- Activation/deactivation by speed signal
- Deactivation possible via parking brake and/or push button
- Three installation options: side scan, corner and step scan, front scan
- Trigger line for Blind Spot Camera (optional)

Ref. No. 9101500052

3.08 // WAECO MagicSafe

Alarm system



MS 660

Ref. No.	9101600001
Operating voltage (V DC)	12
Scope of delivery	2 radio hand transmitters, alarm control unit, ultrasonic interior protection, bonnet contact switch, status LED, emergency switch, relay for vehicle horn, pre-configured cable set and fixing material, installation and operating instructions, 2 alarm stickers
Test marks	e-certified (Automotive EMC Directive), R&TTE-approved with European operating permit
Optional extras	
Siren	Ref. No. 9101600008
Motion sensor	Ref. No. 9101600003
Hand transmitter	Ref. No. 9101300009
Radio contact switch	Ref. No. 9101600002
Gas detector MSG 150	Ref. No. 9103555858

3.08 // WAECO MagicSafe

Gas detector



MSG 150

Ref. No.	9103555858
Battery voltage (V DC)	12 – 24
Power input (W)	1.3
Signal volume (dB)	approx. 85 at a distance of 3 m
Operating temperature (°C)	0 to +50
Dimensions (W x H x D)	80 x 156 x 51 mm
Protection class	IP 20
Optional extras	
External siren	Ref. No. 9101600008



3.34 // Dometic Safe

Safes



	310C	361C	MD 281C	MD 361C
Ref. No.	9106600543	9106600002	9106600003	9106600004
Capacity (l)	9	24.5	8.3	24.5
Dimensions (W x H x D, mm)	310 x 165 x 235	360 x 190 x 410	280 x 165 x 235	360 x 190 x 410
Steel wall thickness (mm)	Door: 5.0 Cabinet: 2.0	Door: 5.0 Cabinet: 1.5	Door: 5.0 Cabinet: 1.5	Door: 5.0 Cabinet: 1.5
Steel bolts (mm)	2 x 19	2 x 18	2 x 18	2 x 18
Colour	Anthracite	Anthracite	Anthracite	Anthracite
Quality features	Laser-cut door, very tight tolerances between door and cabinet, door locking with 2 steel bolts, robust inside hinges and locks without any plastic parts, vertical or horizontal installation	Laser-cut door, very tight tolerances between door and cabinet, door locking with 2 steel bolts, robust inside hinges and locks without any plastic parts, vertical or horizontal installation	Automatic motor locking system (battery-powered), electronic locking with 4-digit code (changeable) and 5-minute memory function, battery-low indication, laser-cut door, very tight tolerances between door and cabinet, door locking with 2 steel bolts, vertical or horizontal installation	Automatic motor locking system (battery-powered), electronic locking with 4-digit code (changeable) and 5-minute memory function, battery-low indication, laser-cut door, very tight tolerances between door and cabinet, door locking with 2 steel bolts, vertical or horizontal installation
Weight (kg)	7.4	12.7	6.5	12.8
Scope of delivery	Safe, 2 keys, operating instructions	Safe, 2 keys, operating instructions	Safe, 2 emergency access keys, plastic door knob, 4 Duracell batteries, operating instructions	Safe, 2 emergency access keys, plastic door knob, 4 Duracell batteries, operating instructions
Optional extras				
Fixing kit	Ref. No. 9106600005	Ref. No. 9106600005	Ref. No. 9106600005	Ref. No. 9106600005



3.23 // WAECO MagicComfort

Seating comfort
(for retrofitting)



	MSH 60	MSH 601	MSH 300	MSH 301
Ref. No.	9101700025	9101700026	9101700034	9101700035
Operating voltage (V)	12	12	12	12
Current consumption (A)	7	3,5	max. 10	max. 5
Number of seats	2	1	2	1
Dimensions (L x W) mm	Seat: 400 x 280 Backrest: 300 x 280	Seat: 400 x 280 Backrest: 300 x 280	580 x 270	580 x 270
Output (W)	Level I: 44 Level II: 90	Level I: 22 Level II: 45	Can be set to 3 levels from 10 – 70 watts per seat	Can be set to 3 levels from 10 – 70 watts per seat
Colour	white	white	white	white
Scope of delivery	4 heating elements, pre-assembled cable set with relay and 2 illuminated switches (for universal use), fixing material, installation instructions	2 heating elements, pre-assembled cable set with relay and 1 illuminated switch (for universal use), fixing material, installation instructions	4 carbon heating elements, pre-assembled cable set with electronics and 2 universal switches, fixing material, installation instructions	2 carbon heating elements, pre-assembled cable set with electronics and 1 universal switch, fixing material, installation instructions
Test marks	e-certified (Automotive EMC Directive)	e-certified (Automotive EMC Directive)	e-certified (Automotive EMC Directive)	e-certified (Automotive EMC Directive)

3.23 // WAECO MagicComfort

Seating comfort



	MCS 20	MH 40S	MH 40GS
Ref. No.	9101700043	9101700023	9101700024
Operating voltage (V)	12 via cigarette lighter	12 via cigarette lighter	12 via cigarette lighter
Dimensions (W x H x D) mm	1060 x 450	1000 x 450	1000 x 450
Output (W)	Level I: 6 Level II: 12	Level I: 20 Level II: 45	Level I: 20 Level II: 45
Colour	Black	Black	Grey/black
Test marks	e-certified (Automotive EMC Directive)	e-certified (Automotive EMC Directive)	e-certified (Automotive EMC Directive)
Optional extras			

Voltage converter DCDC06 for operation on 24 volts	Ref. No. 9103555787	Ref. No. 9103555787	Ref. No. 9103555787
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3.07 // WAECO MagicWatch

Parking aids



	WPS 900F	WPS 910	MWE 9004	MWE 9008
Ref. No.	9101500019	9101500020	9101500054	9101500055
Parameter Programming System (PPS)	•	•	•	•
Option to shift the stop line	•	•	•	•
Integrated CAN bus interface	•	•	—	—
Monitoring range		Rear: approx. 10 – 30 Front: approx. 10 – 25	approx. 10 – 30	Rear: approx. 10 – 30 Front: approx. 10 – 25
Stop zone (cm)	approx. 10 – 25			
Measuring range (cm)	approx. 25 – 95	Rear: approx. 30 – 180 Front: approx. 25 – 95	approx. 30 – 180	Rear: approx. 30 – 180 Front: approx. 25 – 95
Acoustic warning function	•	•	•	•
Visual warning function	LED display	LED display	LED display with distance indication (optional)	—
Radio mute control	—	—	•	•
Suitable for vehicles with tow-bar	—	•	•	•
Activation via	Speed signal or switch	Rear: reverse gear Front: speed signal or switch	reverse gear	Rear: reverse gear Front: speed signal or switch
Sensors	4 built-in sensors	8 built-in sensors	4 built-in sensors	8 built-in sensors
Visible sensor area (mm)	18	18	18	18
Cut-out for sensor (mm)	18	18	18	18
Optional extras				
Display for visual distance indication (12 volts)	—	—	Ref. No. 9101500002	—
LED display	—	—	Ref. No. 9101500062	—
1.5 m extension cable for sensors	—	—	—	Ref. No. 9103555747
MagicSpeed CBI 150	—	—	—	Ref. No. 9101400060
ON/OFF switch for front parking aid	—	—	—	Ref. No. 9101500066

3.07 // WAECO MagicWatch

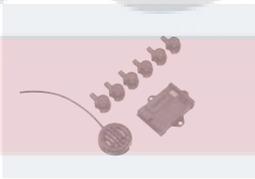
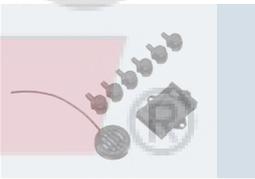
Parking aids

				
	MWE 820	MWE 860	MWE 890	MW 650
Ref. No.	9101500040	9101500041	9101500042	9103555875
Parameter Programming System (PPS)	-	-	-	-
Option to shift the stop line	-	-	-	-
Integrated CAN bus interface	-	-	-	-
Monitoring range				
Stop zone (cm)	approx. 10 – 40	approx. 10 – 40	approx. 10 – 35	approx. 10 – 30
Measuring range (cm)	approx. 40 – 160	approx. 40 – 160	approx. 35 – 75	approx. 30 – 250
Acoustic warning function	●	●	●	●
Visual warning function	-	LED display	LED display	LED display (with distance indication)
Radio mute control	●	●	●	-
Suitable for vehicles with tow-bar	●	●	-	●
Activation via	reverse gear	reverse gear	speed signal optional switch	reverse gear
Sensors	4 built-in sensors	4 built-in sensors	4 built-in sensors	4 sub-mounted sensors
Visible sensor area (mm)	25	25	25	29
Cut-out for sensor (mm)	22	22	22	24
 Optional extras				

LED display	-	-	Ref. No. 9101500045	-
External switch	-	-	Ref. No. 9101500049	-

3.07 // WAECO MagicWatch

Parking aids

				
	MWE 650	MWE 7106	MWE 7106F	MWE 4004
Ref. No.	9103555886	9101500072	9101500073	9101500052
Parameter Programming System (PPS)	-	●	●	-
Option to shift the stop line	-	●	●	-
Integrated CAN bus interface	-	-	-	-
Monitoring range				
Stop zone (cm)	approx. 10 – 30	approx. 10 – 35	approx. 10 – 35	approx. 10 – 50
Measuring range (cm)	approx. 30 – 250	approx. 35 – 300	approx. 35 – 120	approx. 50 – 120
Acoustic warning function	●	●	●	●
Visual warning function	LED display (with distance indication)	LED display (optional)	LED display (optional)	LED display
Radio mute control	-	●	●	-
Suitable for vehicles with tow-bar	●	●	-	●
Activation via	reverse gear	reverse gear	speed signal (push button)	speed signal (push button)
Sensors	4 built-in sensors	6 built-in sensors	6 built-in sensors	4 built in sensors
Visible sensor area (mm)	29	18	18	18
Cut-out for sensor (mm)	24	18	18	18
 Optional extras				
Rubber sensor holder	-	-	-	Ref. No. 9101500071
Metal substructure sensor holder	-	-	-	Ref. No. 9101500078
LED display	-	Ref. No. 9101500079	Ref. No. 9101500079	-



HAVE EVERYTHING IN SIGHT



SAFETY SOLUTIONS



Reversing cameras	48
Reversing camera systems	50
Connection to original displays	57
Moniceiver and reversing video function	60
Interior cameras	64
Heavy-duty components	66
Accessories	68
Technical data	74

Another word for reliability!

The working day of professional drivers is tough. Safety systems, tailor-made to suit the requirements of drivers and their vehicles, take the stress out of difficult situations. Reversing video systems – stand-alone or complete with a navigation or multimedia system – allow your vehicle to complete every reversing manoeuvre without incident.

Especially for commercial vehicles. Products for panel vans are marked separately.

SAFETY ASSISTANT ON BOARD

FOUR SOPHISTICATED VERSIONS

Professional drivers have to manage a lot of things: find the best route and suitable stops, navigate their valuable vehicle safely through winding backstreets or into narrow parking spaces as well as spending nights away from home. Support is needed – from mobile video systems by WAECO which can be installed with ease. The classic reversing video systems enable you to manoeuvre your vehicle stress-free, and they already pay for themselves the first time damage is avoided. Driving is even more convenient when WAECO reversing cameras are combined with a navigation system, a moniceiver or an original multimedia display.

Safe manoeuvring and entertainment – available in many system versions and to suit every demand.



**Drive
safely
wherever
you go!**

REVERSING CAMERA + PARTNER

CHOOSE FROM: MONITOR, MONICEIVER OR EXISTING DISPLAY

One of these reversing cameras is there for you – whatever system version you choose.
Possible combination options: classic LCD monitor, moniceiver or existing original multimedia display.

Cameras for close and long range vision



CAM 604

Colour zoom camera



CAM 44

Colour twin camera



CAM 18

Colour camera



CAM 55

Colour camera



CAM 80CM

Colour shutter camera



CAM 29BK

Camera with console



CAM 29BKS

Camera with console

Cameras in compact design

Special cameras for panel vans

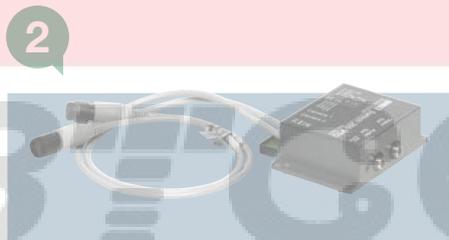
These cameras make any system version possible and are also available individually.



1 Reversing camera plus LCD monitor

One out of seven reversing cameras, combined with a slim and elegant 5" or 7" monitor, with many convenient functions. This is the way to create reversing solutions that perfectly suit the driver and the vehicle.

P. 50 – 55



2 Reversing cameras on original displays

You can connect up to two cameras to a factory-fitted multimedia display. Simply connect the WAECO control box and matching adapter – and image transmission will work a treat.

Mercedes-Benz

Scania

Volvo

MAN

IVECO

P. 56 – 59



3 Reversing camera plus entertainment

Here you can combine the reversing camera of your choice with a great value for money moniceiver, which ensures perfect entertainment on board and plays back the picture the reversing camera captures while manoeuvring.

P. 60

REVERSING CAMERAS

THAT WON'T MISS A THING

The range from camera specialist WAECO offers a perfect model for every demand. Standard cameras with good night-time vision and shutter cameras for installation in difficult-to-access areas. Special cameras for panel vans and heavy-duty cameras for commercial vehicles. Reversing safety tailor-made for the vehicle and the application! Clear pictures day and night, on cold winter days and in the summer sun. Most cameras are available as individual units, or combined with a monitor or moniceiver in a practical complete system.

3.19



NEW



NEW! WAECO PerfectView CAM55

High-end camera with extended input voltage range

- Input voltage range: 10 – 32 volts
- Image sensor resolution: 2 megapixels
- Robust aluminium housing with stainless steel mounting bracket
- Optimised mounting base for a safe seal
- Protection class: IP 69K
- Connection to original multimedia systems and ISO bus terminals with vehicle-specific adapters
- CAM 55NAV including adapter for connection to multimedia systems or navigation devices

CAM 55	Ref. No. 9102000064 (silver)
CAM 55W	Ref. No. 9102000068 (white)
CAM 55NAV	Ref. No. 9102000098 (silver)
CAM 55W NAV	Ref. No. 9102000099 (white)

3.19



Long range vision
with 83°

Close range vision
with 153°

WAECO PerfectView CAM604

Compact 2-step-zoom colour camera for optimal close and long range vision

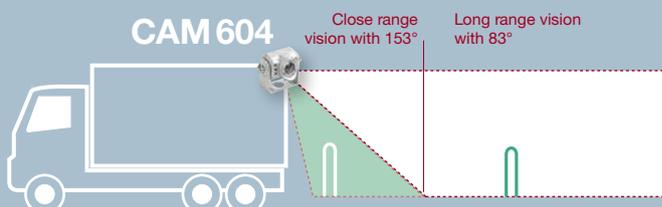
- **Extra-large diagonal picture angles:**
153° in close range, 83° in long range
- Picture distortion correction in close range
- Operation via the two camera inputs of the monitor
- Replaces the inside rear-view mirror if required
- Separate IR LEDs for optimal night vision
- Temperature-controlled heater
- Integrated microphone
- Replaceable lens cover
- CAM 604NAV including adapter for connection to original multimedia systems or navigation devices

CAM 604	Ref. No. 9102000071
CAM 604NAV	Ref. No. 9102000057



Our tip!

Superior technology:
Two lenses for close and long range vision





With shutter

3.19



3.19



With shutter

3.19

WAECO PerfectView CAM 44

Smallest colour twin camera with shutter and extra-wide picture angle

- Colour CMOS camera (PAL) with LED
- Large picture angle in close range (140° diagonal)
- Telefunction in long range (50° diagonal)
- Operated via the two camera inputs in the monitor
- Automatic, motor-operated camera cover
- Ideal for high-up or difficult-to-access areas thanks to motor-operated camera cover
- Microphone
- Distance marks in reversing mode
- CAM 44NAV including adapter for connection to original multimedia systems or navigation devices

WAECO PerfectView CAM 18

Flexible colour ball camera

- Picture sensor: 1/3" CMOS sensor (PAL)
- Picture angle: 140° diagonal
- 5 LEDs for improved night vision
- Microphone
- Can also be used as a side camera
- Protection class: IP 69K
- CAM 18NAV including adapter for connection to original multimedia systems or navigation devices

WAECO PerfectView CAM 80CM

Compact colour shutter camera with large 145° picture angle

- 1/3" Colour CCD camera (PAL) with LED
- Normal or mirrored picture function
- Automatic, motor-operated camera cover to protect the lens from dirt
- Ideal for installation in high-up or difficult-to-access areas
- Microphone
- Temperature-controlled heater
- LDR-controlled IR LEDs
- Wide-angle lens with large picture angle (145° diagonal)
- CAM 80NAV including adapter for connection to original multimedia systems or navigation devices

CAM 44	Ref. No. 9102000061
CAM 44NAV	Ref. No. 9102000062

CAM 18	Ref. No. 9102000096
CAM 18NAV	Ref. No. 9102000103

CAM 80CM	Ref. No. 9102000066
CAM 80NAV	Ref. No. 9102000023



SPECIAL CAMERAS FOR PANEL VANS



3.19



3.19



3.19

WAECO PerfectView CAM 30C / CAM 40

Colour ball cameras with very flexible mounts for accurate alignment

- Colour CCD camera (PAL) with LED
- Normal or mirrored picture function
- Electronic brightness adjustment
- LDR-controlled IR LEDs
- Wide-angle lens with large picture angle
- CAM 40, in combination with monitor M 7LX, certified as a front camera system according to EU Mirror Directive 2003/97/EC
- Note: Available as single camera only

WAECO PerfectView CAM 29BK

Colour cylinder camera, integrated in a brake light console

- Colour cylinder camera (NTSC), 1/4"
- Wide-angle lens with large picture angle (150° diagonal)
- For FIAT Ducato X250, X290 and their sister models
- Installed in the original brake light
- Water-proof equivalent to IP 68
- Housing can be painted
- CAM 29BK NAV including adapter for connection to original multimedia systems or navigation devices

WAECO PerfectView CAM 29BKS

Colour cylinder camera, integrated in a brake light console

- Colour cylinder camera (NTSC), 1/4"
- Fits VW Crafter and Mercedes-Benz Sprinter
- Technical data as for CAM 29BK
- CAM 29BKS NAV including adapter for connection to original multimedia systems or navigation devices

CAM 30C	Ref. No. 9102000045
CAM 40	Ref. No. 9102000047

CAM 29BK	Ref. No. 9102000117
CAM 29BK NAV	Ref. No. 9102000115

CAM 29BKS	Ref. No. 9102000118
CAM 29BKS NAV	Ref. No. 9102000116



TOP QUALITY IMAGE DISPLAY NOW IN A SUPER-FLAT COMPACT FORMAT

Flat, compact and easy to adjust thanks to the ball mount: The PerfectView monitors are the core component of all classic reversing video systems from WAECO. Four models are available – with 5" or 7" diagonal screen size, each as a standard version with three camera inputs or a heavy-duty model with four camera inputs and an attachable sun shield. **All tested and approved according to ISO 16750!**

All monitors have the same premium picture display. Digital LCD technology with super-bright, energy-saving LED backlighting makes it possible. Advanced anti-reflex technology gives high-contrast images in all light conditions. Illuminated keys provide intuitive guidance through the clearly structured menu, day and night. A smart solution: The connection cable is invisibly routed through the monitor base.



Super-flat LCD monitors: Standard version with 3 camera inputs

3.19



WAECO PerfectView RVS monitors 5" and 7"

- Digital LCD panel with LED background illumination
- Optimum picture quality even at low temperatures
- Normal or mirrored picture function
- Three camera inputs, including 1 with signal recognition
- Picture settings can be saved for three camera inputs
- Connection of e.g. side cameras via the indicator
- Automatic recognition of a trailer camera
- Elegant monitor base with concealed cable routing

M 55L
M 75L

Ref. No. 9102100056
Ref. No. 9102100057

HEAVY-DUTY MONITORS: WITH 4 CAMERA INPUTS

The heavy-duty monitors from WAECO provide three additional benefits. First, they have four camera inputs. Second, they feature distance marks to define the borders of the danger zone. Third, each unit is supplied with an attachable sun shield.

3.19



WAECO PerfectView RVS monitors 5" and 7"

- Digital LCD panel with LED background illumination
- Optimum picture quality even at low temperatures
- OSD distance marks for convenient manoeuvring
- Normal or mirrored picture function
- Four camera inputs, including 1 with signal recognition
- Picture settings can be saved for each camera
- Connection of e.g. side cameras via the indicator
- Automatic recognition of a trailer camera
- Attachable sun shield
- Elegant monitor base with concealed cable routing

M 55LX: Ref. No. 9102100059

M 75LX: Ref. No. 9102100058



1

Design and look

- Super-slim construction
- Design perfectly matches the vehicle interior
- Available with 5" or 7" LCD display



5

Technology

- Digital LCD monitor with LED backlighting for flicker-free image display
- High resolution for highly detailed images



2

Operation

- Intuitive menu guidance
- Illuminated keys
- Day/night switching



6

Connection

- Lockable plug-in connectors – IP 67 compliant



3

Picture quality

- Bright, high-contrast display
- Excellent readability in all light conditions (Anti Reflex Technology)



7

Concealed cable routing

- Prepared for concealed routing of the monitor cable under the monitor base



4

Handling

- Precisely adjustable ball mount for optimal positioning



8

Adjustable distance scale

- Stop line, warning line and vehicle width can be set for safe manoeuvring

Only M 55LX and M 75LX



MY BENEFITS

- Professional solution for heavy-duty use
- 7" LCD screen with LED background illumination
- Optimum picture quality even at low temperatures
- Heavy-duty reversing camera with robust aluminium housing (IP 69K)
- Option to connect up to four cameras
- Picture settings can be saved for three camera inputs
- Automatic trailer detection
- Distance marks

THE PROFESSIONAL IN THE RANGE WITH HEAVY-DUTY REVERSING CAMERA

The flat screen monitors of the PerfectView LX series can be combined with a variety of cameras. The most common complete systems can be found on the next page (p. 53).

For tough requirements we recommend our professional solution PerfectView RVS 755X. The high quality 7" monitor excels with its outstanding picture quality. Adjustable distance marks allows you to park even a 40-ton truck backwards with ease. Up to four cameras can be connected – three of them with the option to save the settings separately. The set includes the compact and robust reversing camera PerfectView CAM 55 (p. 56). Designed for use in trucks and agricultural vehicles, it meets highest demands on operating safety and ease of installation.

3.19

NEW! WAECO PerfectView RVS 755X

Monitor:

- Flat 7" monitor with LED background illumination
- Four camera inputs, input four with trailer cam detection
- OSD distance marks for convenient manoeuvring
- ISO 16750 (environmental loads) approved
- Automatic recognition of a trailer camera

Camera:

- 2 MP CMOS color sensor for optimal picture performance
- Microphone
- Small sized housing 75 x 50 x 60 mm
- IP 69K + special cable sealing
- ISO 16750 (environmental loads) approved

Ref. No. 9101900062



COMPLETE SYSTEMS WITH L-SERIES MONITOR

Five high quality reversing cameras and two monitor models: that makes eight complete reversing camera systems. Three camera models can be supplied with the 5" as well as the 7" LCD monitor. The special cameras CAM 29BK and CAM 29BKS are already integrated in a brake light console, which makes it ideal for panel vans. We have combined them with the compact 5" monitor.

Cameras with extremely compact design				Cameras for close and long range vision		Cameras for panel vans	
PerfectView RVS 555	PerfectView RVS 755	PerfectView RVS 580	PerfectView RVS 780	PerfectView RVS 594	PerfectView RVS 794	PerfectView RVS 565	PerfectView RVS 535
For trucks						For panel vans	For panel vans
CAM 55 Colour camera		CAM 80CM Colour shutter camera		CAM 44 Colour twin camera		CAM 29BK Colour cylinder camera	CAM 29BKS Colour cylinder camera
5" colour LCD monitor M55L	7" colour LCD monitor M75L	5" colour LCD monitor M55L	7" colour LCD monitor M75L	5" colour LCD monitor M55L	7" colour LCD monitor M75L	5" colour LCD monitor M55L	5" colour LCD monitor M55L
910190003	9101900078	9101900040	9101900084	9101900002	9101900061	9101900036	9101900001



COMPLETE SYSTEMS WITH LX-SERIES MONITOR

The system versions with the LX-series monitors were specially designed for use in commercial vehicles. You can choose between five heavy-duty complete systems. The most suitable application is our professional solution PerfectView RVS 755X – explained in detail on p. 52.

Cameras with extremely compact design				Camera for close and long range vision
PerfectView RVS 555X	PerfectView RVS 755X	PerfectView RVS 580X	PerfectView RVS 780X	PerfectView RVS 764X
Especially for commercial vehicles				
CAM 55 Colour camera		CAM 80CM Colour shutter camera		CAM 604 Colour zoom camera
5" Colour LCD monitor M55LX	7" Colour LCD monitor M75LX	5" Colour LCD monitor M55LX	7" Colour LCD monitor M75LX	7" Colour LCD monitor M75LX
9101900086	9101900062	9101900085	9101900083	9101900087

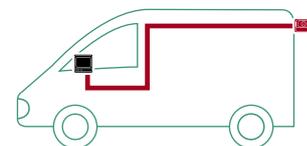


CUSTOM SOLUTIONS FOR PANEL VANS

Many panel vans just don't have a suitable mounting surface for a camera on the rear. The obvious alternative is to fasten the camera on the roof or on the original brake light. For either configuration the PerfectView range offers a convincing solution based on an NTSC standard special camera that perfectly communicates with the original multimedia displays of modern-day panel van models. Alternatively, you can choose a complete system including the matching special camera and a compact PerfectView monitor (e.g. RVS 535, p. 53).



Installation



3.19

NEW! Camera CAM 29BKS

- **Colour cylinder camera (NTSC)**
- For roof installation on VW Crafter and Mercedes-Benz Sprinter
- Easy connection to the original multimedia display
- Factory pre-mirrored
- High light sensitivity
- Electronic brightness adjustment
- Protection class: IP 68
- Wide-angle lens with large picture angle (150° diagonal)

CAM 29BKS Ref. No. 9102000118
CAM 29BKS NAV Ref. No. 9102000116

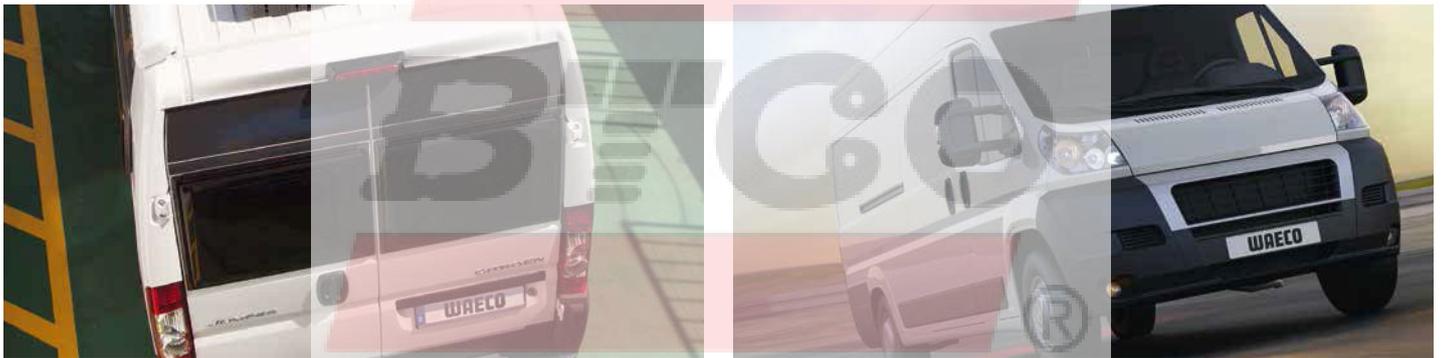
Adapter for connection to original MB multimedia system (AUDIO 15):
RVMB1: Ref. No. 9102200153 (for vehicles without video preparation)

CAM 29BKS

For our custom solution for VW Crafter and Mercedes-Benz Sprinter we have integrated the cylinder camera CAM 29BKS into a super-low-profile roof base-mounted housing.



Simple
connection to
existing
displays

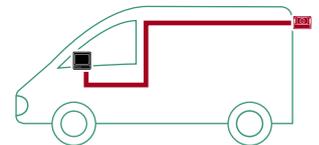


Safety solutions



3.19

Installation



NEW! Camera CAM 29BK

- **Colour cylinder camera (NTSC)**
- For installation on the original brake light of Fiat Ducato, Citroën Jumper, Peugeot Boxer (from year 2006)
- Easy connection to the original multimedia display
- Factory pre-mirrored
- High light sensitivity
- Electronic brightness adjustment
- Protection class: IP 68
- Wide-angle lens with large picture angle (150° diagonal)

CAM 29BK Ref. No. 9102000117
CAM 29BKNAV Ref. No. 9102000115

Adapter for connection to original Fiat navigation system UConnect:
Ref. No. 9102200184 (only for vehicles with video preparation)

CAM 29BK

For Fiat Ducato and its sister models Citroën Jumper and Peugeot Boxer (from year 2006) we have designed the special camera CAM 29BK. The small cylinder camera is enclosed in a console which is easily installed on the original brake light of the panel van.



MY BENEFITS

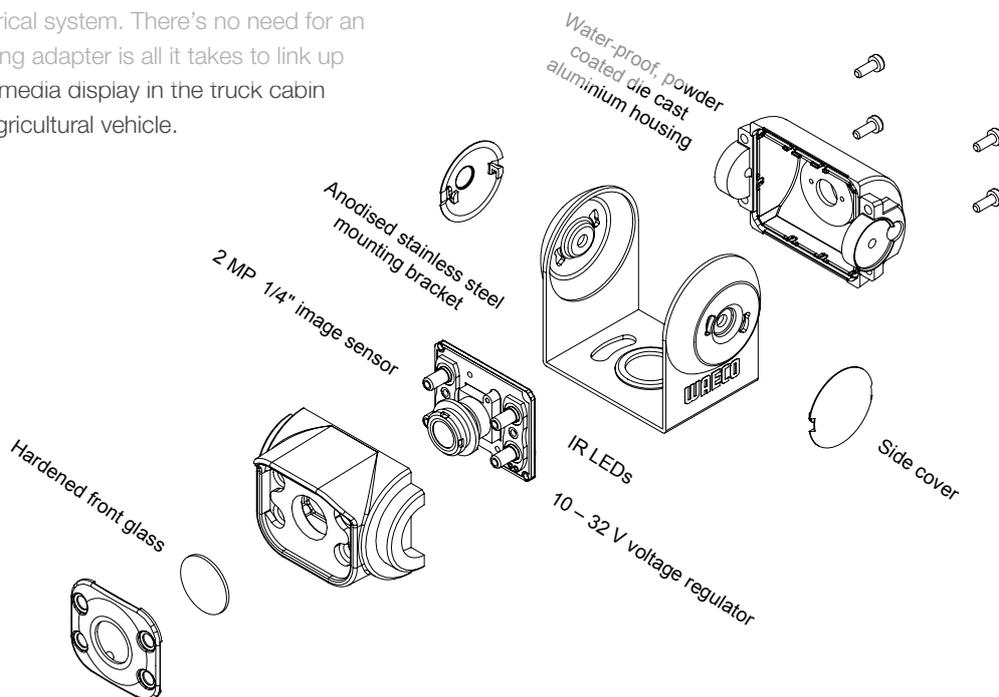
- Input voltage 10 – 32 V
- Image sensor resolution 2 megapixels
- Mechanical loads:
 - Shock test: 50 g / 6 ms
 - Vibration test: 10 g
- High-temperature test (up to +70°C, measured for 200 h)
- Low-temperature test (down to –30°C, measured for 48 h)
- Humidity test according to IEC 68-2-38
- Salt spray test according to ISO 9227
- Load dump test with modified starter pulse profile according to EN 40839 / ISO 7637
- High pressure cleaning at high temperatures: IP 69K test



HEAVY-DUTY CAMERA SPECIALLY FOR TRUCKS AND AGRICULTURAL VEHICLES

Robust aluminium housing, dust-and water-proof according to IP 69K, separate LEDs for glare-free night vision, passed many environmental and mechanical tests ... the new CAM 55 from WAECO is perfectly equipped for heavy-duty use.

Featuring an input voltage range of 10 – 32 volts, the compact camera connects to any on-board electrical system. There's no need for an additional control box. A matching adapter is all it takes to link up the CAM 55 to the original multimedia display in the truck cabin or the ISO bus terminal of the agricultural vehicle.





Robust aluminium housing with stainless steel mounting bracket



Optimised mounting base for a safe seal



Separately placed LEDs for glare-free night vision

SIMPLE CONNECTION – AN ADAPTER WILL DO!

Conventional reversing cameras require a control box to connect to the vehicle's original multimedia display or ISO bus terminal. The CAM 55NAV doesn't. All it takes here is the matching vehicle-specific adapter. This saves costs and facilitates installation, as there is no need to fit a control box. Check the table below to find matching adapters for many types of trucks and agricultural vehicles.

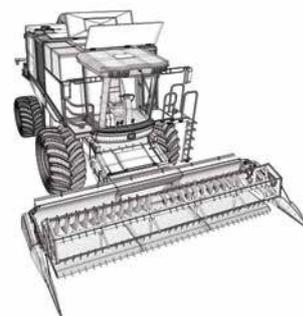
Adapters required for trucks in combination with CAM 55NAV or CAM 55

Mercedes Actros / Antos		Scania			Volvo		MAN		Iveco	
RVMB2	RVMB1	RVSC1	RVMAN1	RVSC2	RVO1	RVVO2	RVMAN1	RV351LZ	RV351LZ2 (only CAM 55)	RVMAN1
J2D multimedia system with J9J video preparation	J2D multimedia system without J9J video preparation	Original SCANIA multimedia system	SCANIA premium radio	Original SCANIA monitor (Orlaco)	Older Volvo multimedia systems	Trailer camera, SID High with BUPMON	MAN Topline2 / MMT multimedia system	Topline2/ MMT with 351LZ video preparation	Topline2/ MMT with 351LZ video preparation	IVEconnect multimedia system
Ref. No. 9102200149	Ref. No. 9102200153	Ref. No. 9102200149	Ref. No. 9102200144 *	Ref. No. 9102200150	Ref. No. 9102200151	Ref. No. 9102200180	Ref. No. 9102200144 *	Ref. No. 9102200178	Ref. No. 9102200191	Ref. No. 9102200144

* requires CAM 55 + WAECO Switch 200VTO control box, Ref. No. 9102200156

Adapters required for agricultural vehicles in combination with CAM 55NAV or CAM 55

Fendt	John Deere		Krone & CCI Group	New Holland	New Holland, CNH, Case	Claas
RVFE1	RVJD1	RVJD2	RVCC1	RVNH1	RVNH2	RVCL1
CAM 55 on Vario terminal	CAM 55NAV on CC4100 & CC 4600 terminal	CAM 55NAV on Green Star 3 2630 terminal	CAM 55 on CCI200 terminal	CAM 55 on FM-X, XGN-2050 terminal	CAM 55NAV on IntelliView III & IV (NH, CNH), AFS PRO700 (Case) terminal	CAM 55 on S10 terminal
Ref. No. 9102200123	Ref. No. 9102200207	Ref. No. 9102200215	Ref. No. 9102200210	Ref. No. 9102200211	Ref. No. 91022002012	Ref. No. 9102200213



3.19

NEW! WAECO PerfectView CAM 55 / NAV

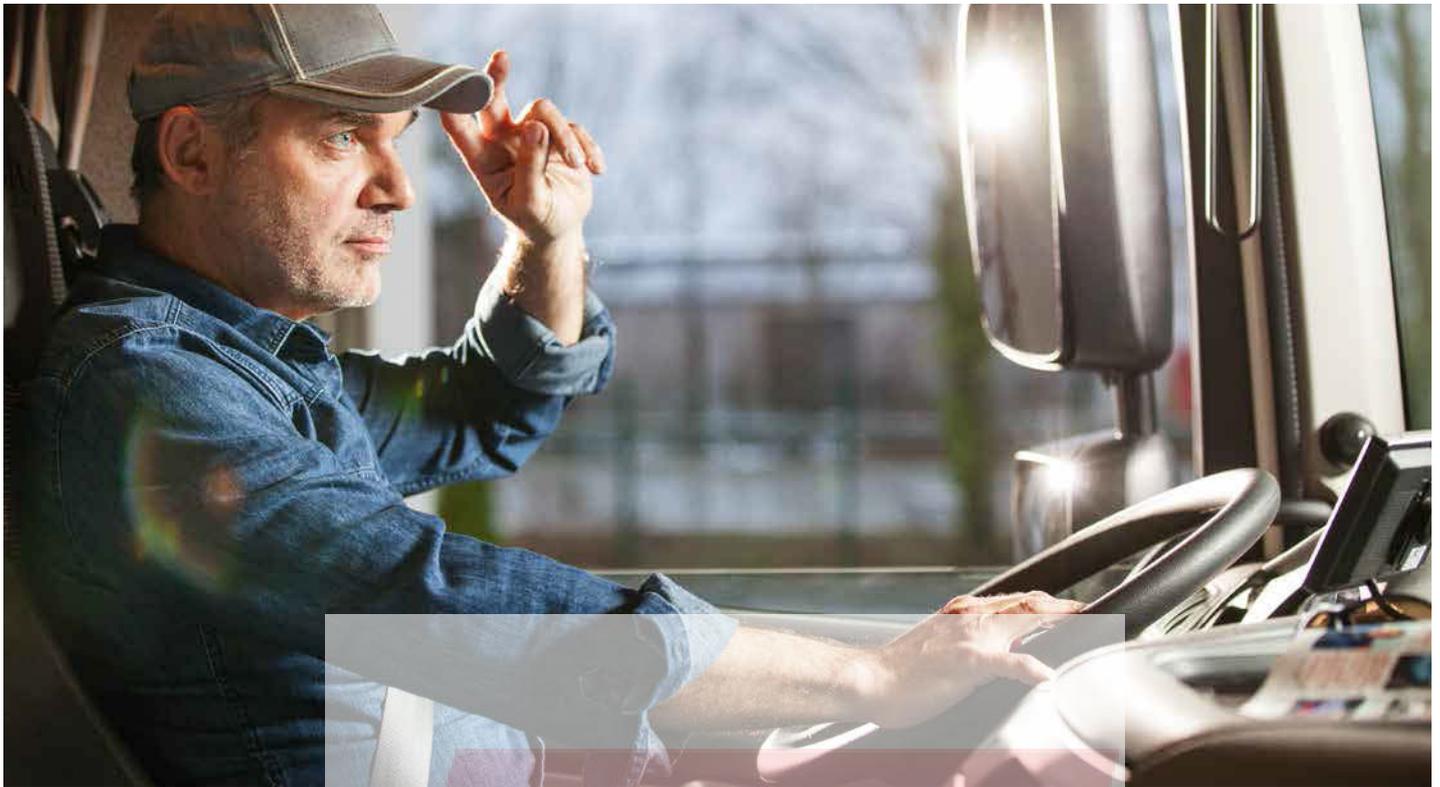
- Input voltage range: 10 – 32 volts
- Image sensor resolution: 2 megapixels
- Robust aluminium housing with stainless steel mounting bracket
- Optimised mounting base for a safe seal
- Protection class: IP 69K
- Connection to original multimedia systems and ISO bus terminals with vehicle-specific adapters
- CAM 55NAV including RCA adapter for connection to multimedia systems or navigation devices with RCA input



Input voltage range: 10 – 32 volts

CAM 55
CAM 55NAV

Ref. No. 9102000064
Ref. No. 9102000098

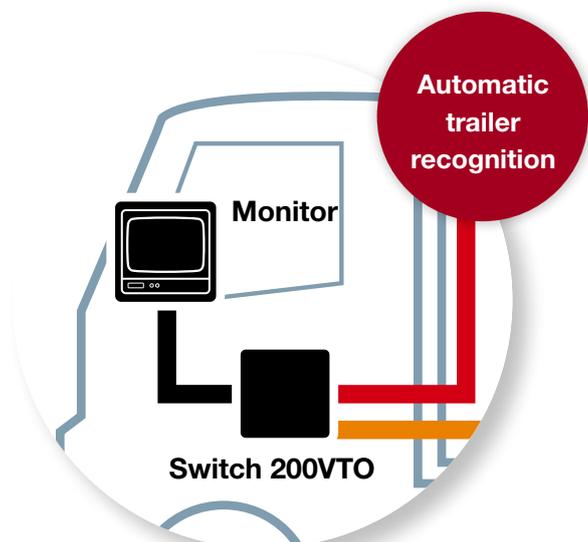


PERFECTVIEW TRUCK ADAPTER

HOW TO BRING THE REVERSING CAMERA ON LINE

Many modern truck types are fitted with a multimedia system directly in the factory. The multi-functional display in the cab plays back navigation data, traffic information, preset radio stations and DVDs. If desired, it will also show the video signals coming from the reversing camera, which can be retrofitted with little effort. With the right PerfectView truck adapter and the SWITCH 200VTO, the connection is easy to set up. In most multimedia systems, one free video input for the camera is already provided but not yet assigned. In addition, Switch 200VTO already includes an automatic trailer detection.

The table on the next page shows you which PerfectView cameras is compatible with commonly used multimedia systems and which adapter fits which truck model and how.



3.19

WAECO PerfectView Switch 200VTO

Control box with 2 camera inputs for OEM monitors

- Two camera inputs/video and audio output (Cinch/RCA)
- Reverse gear trigger input/video trigger output
- External switch for manual switchover between the cameras
- Adjustable switch time between video signal and trigger output
- Trailer recognition

Ref. No. 9102200156

PERFECTVIEW SWITCH 200VTO

CONNECTS UP TO TWO CAMERAS TO ORIGINAL MULTIMEDIA DISPLAYS

With the PerfectView SWITCH 200VTO control box and the matching vehicle-specific adapter you can connect two cameras to a pre-installed multimedia display. The cameras are activated automatically or manually. You can manually switch between the two views via the external switch.

Handy for towing vehicles: the PerfectView SWITCH 200VTO automatically detects when a trailer is coupled and ensures that the image of the trailer camera appears on the monitor. Unlike other control boxes available in the market, PerfectView SWITCH 200VTO can also control shutter cameras.



Mercedes Actros / Antos		Scania			Volvo			MAN		Iveco
RVMB2	RVMB1	RVSC1	RVMAN1	RVSC2	RVO1	RVVO2	RVMAN1	RV351LZ	RV351LZ2 (only CAM 55)	RVMAN1
J2D multimedia system with J9J video preparation	J2D multimedia system without J9J video preparation	Original SCANIA multimedia system	SCANIA premium radio	Original SCANIA monitor (Orlaco)	Older Volvo multimedia systems	Trailer camera, SID High with BUPMON	MAN Topline2 / MMT multimedia system	Topline2/ MMT with 351LZ video preparation	Topline2/ MMT with 351LZ video preparation	IVEconnect multimedia system
Ref. No. 9102200149	Ref. No. 9102200153	Ref. No. 9102200149	Ref. No. 9102200144 *	Ref. No. 9102200150	Ref. No. 9102200151	Ref. No. 9102200180	Ref. No. 9102200144 *	Ref. No. 9102200178	Ref. No. 9102200191	Ref. No. 9102200144

* Cannot be used with CAM 80CM and CAM 44.



NEW



Camera	CAM 60ADR	CAM 80CM	CAM 55	CAM 30C	CAM 40
Vehicle types	For trucks				
Camera type	Colour camera	Colour shutter camera	Colour camera	Colour ball camera	Colour ball camera
Ref. No.	9102000065	9102000066	9102000064	9102000045	9102000047



MY BENEFITS

- Moniceiver MC 402 – ideal entry-level model for onboard entertainment
- Suitable for double DIN slot
- Can be used on its own or with a reversing camera
- Bluetooth 2.0 / smart phone compatible
- Integrated hands-free kit with access to telephone directory

GREAT VALUE AT AN ENTRY-LEVEL PRICE

MONICEIVER + REVERSING CAMERA

This inexpensive moniceiver offers well proven WAECO quality. It combines the functions of a car radio with those of a DVD / VCD / DivX® / CD / MP3 / WMA player. When a reversing camera is added, it also makes manoeuvring safer. During reversing, the vehicle surroundings are shown on the display.



WAECO PerfectView MC 402

3.22

- 2-DIN moniceiver with 6.2" monitor, touch screen display and input for a reversing camera
- VHF/MW RDS tuner with 30 station presets and access to traffic services
- Integrated DVD / VCD / DivX® / CD / MP3 / WMA player
- Bluetooth audio streaming
- Prepared for compatible DAB receivers

Ref. No. 9102100024

Moniceiver also available separately

+						
PerfectView MC 418	PerfectView MC 455	PerfectView MC 480	PerfectView MC 464	PerfectView MC 444	PerfectView MC 460	PerfectView MC 429
For trucks			For trucks		For panel vans	For panel vans
CAM 18NAV Colour camera	CAM 55NAV Colour camera	CAM 80NAV Colour shutter camera	CAM 604NAV Colour zoom camera	CAM 44NAV Colour twin camera	CAM 29BK NAV Colour cylinder camera in brake light console	CAM 29BKS NAV Colour cylinder camera in brake light console
9103531018	9103531019	9101900070	9103531017	9101900072	9103531021	9103531047

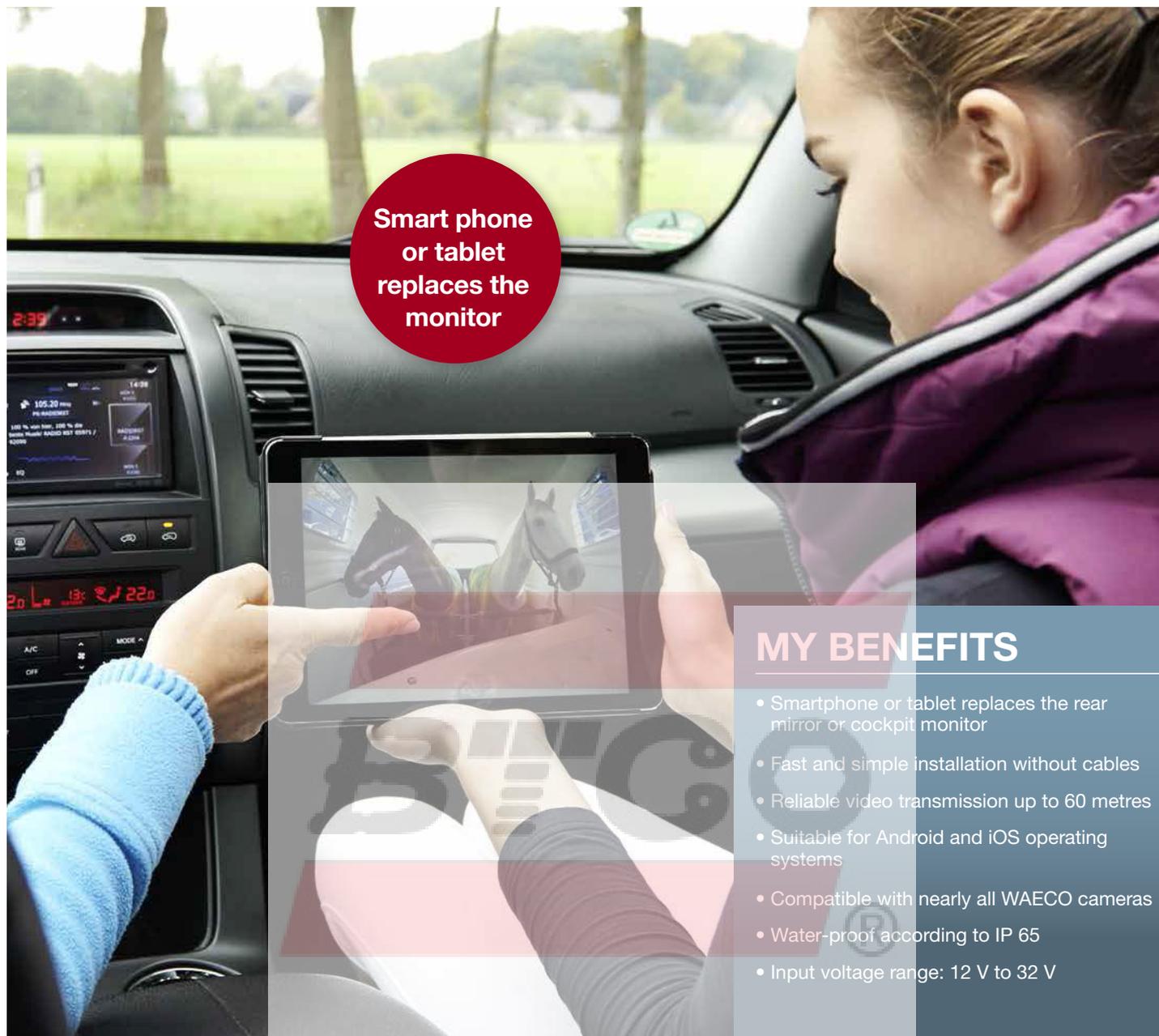
Have Everything in Sight!

With WAECO PerfectView, you can fit vehicles of all kinds with a tailor-made safety package. Cameras in a variety of designs, slim LCD monitors with smart amenities, complete packages and single components, standard and heavy-duty as well as **navigation systems** which provide maps for 44 countries in Europe. Combining them with a suitable WAECO camera is elegant way to create a complete reversing video system on top..., there is a professional solution for every demand and for every application.

NEW

Have Everything
in Sight





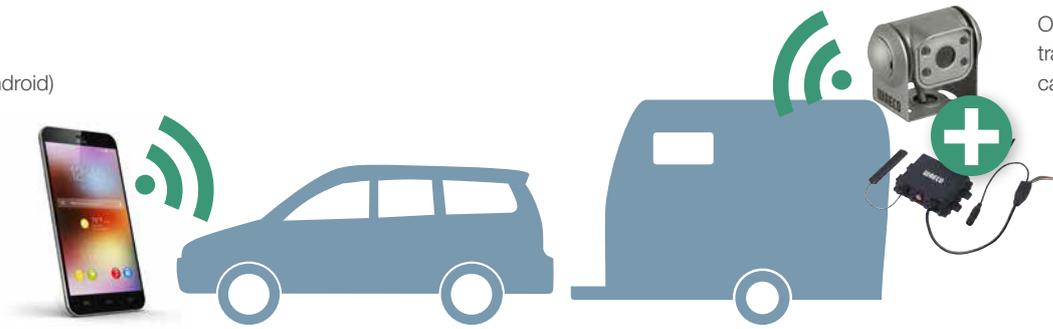
DRIVING SMART WITH A TRAILER IN TOW

WiFi VIDEO TRANSMITTER PLUS CAMERA

Here is a smart solution for the drivers of towing vehicles with a trailer. The new WiFi video transmitter beams the video data captured by a camera to the screen of a smart phone or tablet computer. Bridging a distance up to 60 metres, it is a reliable, wireless solution for all mid-sized vehicles – caravans, horse trailers, car trailers, etc. The camera can be fitted on rear of the trailer to give the driver a familiar rear-mirror view of what is going on behind the vehicle and would otherwise disappear in the blind spot. Alternatively, it is possible to install the camera inside the trailer to keep an eye on precious living freight or valuable transport goods while driving.



In the cockpit:
smart phone or
tablet (iOS or Android)



On the vehicle rear:
transmitter, reversing
camera, special aerial

3.19

NEW! WAECO PerfectView VT 100WiFi

WiFi transmitter for transmitting video signals to smart phones and tablets (iOS + Android)

- Detachable special antenna that can be aligned as required for uninterrupted transmission
- Transmission distance up to 60 m
- Ideal for use on caravans, trailers, horse transporters
- Reception delay under 200 ms
- Frame rate: up to 30/s
- Operation of several receivers possible
- Compatible with most WAECO PerfectView cameras
- Waterproof according to IP 65

Ref.No. 9102200217



Safety solutions

The following reversing cameras can be combined with PerfectView VT 100WiFi.

Extremely compact cameras



CAM 18
Colour camera



CAM 55 / 55W
Colour camera



CAM 80CM
Colour shutter camera

Special camera for panel vans



CAM 29BK
Colour cylinder camera



SAFE AND SECURE, INSIDE AND OUT WATCHFUL AND DISCREET

Numerous studies have shown: fitting public transport vehicles with video cameras is an effective way to prevent assaults and vandalism. The technology deters potential offenders and helps the police in investigations. With a resolution of 310,000 or 330,000 pixels and a light sensitivity of 0.01 lux, the PerfectView CAM 11 and CAM 12 cameras are recommended for use in vehicle interiors. The special design of the dome camera allows optimum alignment even if the camera is concealed. The 125° wide-angle lens reliably monitors safety-relevant areas in public means of transport, and also in buildings and manufacturing halls.

The fitting of CAM 11 (installation height 31 mm) is especially inconspicuous. The CAM 12 excels with infra-red LEDs, delivers high-contrast image quality even in poor light conditions. Ideal for use in badly illuminated interiors or as a reversing camera.





WAECO PerfectView CAM 11

Mini dome camera

- Colour CCD camera (PAL)
- Normal or mirrored picture function
- Very high resolution and light sensitivity
- Installation height of only 31 mm
- Wide-angle lens with large picture angle (125° diagonal)
- Ideally suited for indoor surveillance

Ref. No. 9102000052

Accessory: Adapter needed for connection to WAECO PerfectView monitors. ADAPT3 monitor adapter, new plug / old socket (6-pin mini-DIN, grey cable), Ref. No. 9102200046



WAECO PerfectView CAM 12

LED dome camera

- Colour CCD camera (PAL) with LED
- Normal or mirrored picture function
- Very high resolution and light sensitivity
- LDR-controlled IR LEDs
- Wide-angle lens with large picture angle (125° diagonal)
- Can be used for indoor surveillance or as a reversing camera

Ref. No. 9102000053

Accessory: Adapter needed for connection to WAECO PerfectView monitors. ADAPT3 monitor adapter, new plug / old socket (6-pin mini-DIN, grey cable), Ref. No. 9102200046



Our tip!

Complete solution for buses covering the entrance doors and back of the bus:

The large 7" LCD monitor shows the full security programme. Four CAM 11 interior cameras monitor the entrance areas. Thanks to the video splitter, up to four camera pictures can be displayed simultaneously on the monitor. As soon as reverse gear is engaged, the CAM 80CM delivers pictures from the critical area behind the vehicle.

Order scope – Bus I (complete solution)

Product	Ref. No.
■ Monitor	
1 PerfectView M75LX	9102100058
■ Cameras	
2 PerfectView CAM40 (incl. 5 m cable)	9102000047
3 PerfectView CAM 11 (incl. 20 m cable)	9102000052
4 PerfectView CAM 11 (incl. 20 m cable)	9102000052
5 PerfectView CAM 11 (incl. 20 m cable)	9102000052
6 PerfectView CAM 11 (incl. 20 m cable)	9102000052
7 PerfectView CAM80CM (incl. 20 m cable)	9102000066
■ Adapters	
8 ADAPT3 monitor adapter, new plug/old socket (6-pin mini-DIN, grey cable)	9102200046
9 ADAPT3 monitor adapter, new plug/old socket (6-pin mini-DIN, grey cable)	9102200046
10 ADAPT3 monitor adapter, new plug/old socket (6-pin mini-DIN, grey cable)	9102200046
11 ADAPT3 monitor adapter, new plug/old socket (6-pin mini-DIN, grey cable)	9102200046
■ Video splitter	
12 PerfectView VS 400	9102200044
■ Video recorder	
PerfectView REC 400	9102200138





HEAVY-DUTY COMPONENTS: CAMERAS



3.19

WAECO PerfectView CAM 30C / WAECO PerfectView CAM 40

Ball cameras with very flexible mounts for accurate alignment

- Colour CCD camera (PAL) with LED
- Normal or mirrored picture function
- Sturdy, water-proof aluminium housing
- Microphone (CAM30C only)
- LDR-controlled IR LEDs
- Wide-angle lens with large picture angle
- CAM40: In combination with monitor M 7LX (version 9102100008), certified as a front camera system according to EU Mirror Directive 2003/97/EC

CAM 30C // Ref. No. 9102000045
CAM 40 // Ref. No. 9102000047



3.19

WAECO PerfectView CAM 60ADR

With replaceable stone chip protection screen and non-corroding screw connection for use under extreme conditions.

- Anodised and powder-coated aluminium housing with stainless steel protection cap
- Microphone
- Replaceable lens cover
- Temperature-controlled permanent heater with 3 or 4 watts output
- Water-proof screw connectors
- Wide-angle lens with large picture angle (120° diagonal)
- LDR-controlled IR LEDs
- Protection class IP 69K

Ref. No. 9102000065 // Note: System cable not included in the scope of delivery!

ADR-
compliant



3.19

WAECO PerfectView CAM 604

Compact 2-step zoom colour camera for optimal close and long range vision.

- Extra-large diagonal picture angles: 153° in close range, 83° in long range
- Picture distortion correction in close range
- Infra-red LEDs for improved night vision
- Temperature-controlled heater
- Integrated microphone
- Replaceable lens cover
- Camera requires 2 monitor signal inputs
- Protection class IP 69K

Ref. No. 9102000071 // Note: System cable not included in the scope of delivery!



Safety solutions

HEAVY-DUTY COMPONENTS: MONITORS



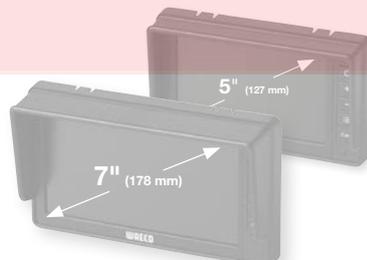
3.19

WAECO PerfectView M 70IP

High-quality 7" digital colour LCD monitor

- For 12 and 24 volts operating voltage
- LED background illumination
- Aluminium housing
- **Splash-proof according to IP 69K**
- Detachable sun shield
- 3 camera inputs, normal or mirrored picture function
- Operation with sensor keys or by remote control
- Adjustable distance marks

Ref. No. 9102100046



3.19

WAECO PerfectView M 75LX WAECO PerfectView M 55LX

High quality 5" / 7" digital colour LCD monitor with distance marks

- For 11 to 30 volts operating voltage
- LED background illumination
- Digital LCD
- Detachable sun shield
- 4 camera inputs, normal or mirrored picture function
- EMC approved according to ISO 7637-2 + ISO 16750
- Adjustable distance marks

M 55LX: Ref. No. 9102100059
M 75LX: Ref. No. 9102100058



3.19

WAECO PerfectView M 9LQ

Heavy-duty monitor **with quad splitter**

- Large 9" monitor with touchscreen
- For 12-volt and 24-volt operating voltage
- LED background illumination
- 4 camera inputs
- Quad splitter for simultaneous display of 4 camera images
- Operation via sensor keys (monitor) or touchscreen (quad splitter operation)
- Ideal for special vehicles, agricultural machinery, etc.

Ref. No. 9102100055



ACCESSORIES FOR PERFECTVIEW REVERSING CAMERA SYSTEMS

VIDEO SPLITTER + PERFECTVIEW SWITCH

Video splitter for up to 4 cameras

- Displays the video images from up to 4 connected cameras on one monitor
- Automatic operation and camera switch-on times adjustable
- Cameras separately adjustable; automatic saving of the last setting
- Not suitable for CRT systems



3.19

WAECO PerfectView VS 400

Video splitter for up to 4 cameras

- Operating voltage: 12 to 32 volts DC
- Camera inputs: 4-channel AV input
- Operating temperature: -30°C to 60°C
- Dimensions (W x H x D): 155 x 35 x 135 mm
- Scope of delivery: Video splitter with supply cable (1.0 m), control unit, operating manual

Ref. No. 9102200044

Connects what you want connected

With the SWITCH300 control box you can run up to three cameras on a single monitor input and control them independently! The control box is compatible with almost any WAECO camera. The cameras can be activated either automatically or manually (e.g. the reversing camera via reverse gear, the side-mounted cameras via the indicator). It provides the option to connect a second monitor.



3.19

WAECO PerfectView SWITCH 300

Control box for additional reversing video applications

- Cameras can be activated either automatically or manually (e.g. reversing camera via reverse gear, side cameras via the indicators)
- Power input: 0.84 watts max. (without cameras)
- Suitable for 12- and 24-volt vehicle electrics

Ref. No. 9102200105

Simply add
more
cameras!



MY BENEFITS

- 4 video inputs for simultaneous recording of signals from up to 4 cameras
- Storage on SD card (not included)
- GPS receiver tracks the position of the vehicle at the time of the incident
- An acceleration sensor measures the force of acceleration allowing it to be documented

VIDEO RECORDER PERFECTVIEW REC 400 FOR DOCUMENTATION OF IMPORTANT EVENTS

In some situations it may be useful to capture events "live" on site.

Here, the PerfectView REC 400 video recorder offers many possibilities. The compact device is able to record video signals from up to four cameras simultaneously. The integrated GPS receiver records the exact position of the vehicle at the time of the event. The accelerometer measures the force of acceleration allowing it to be documented. The documentation is especially useful as evidence of the condition of the goods in the truck loading space, for example, but also in the area of passenger transport (bus or taxi), for the safety of passengers and drivers. Here the legal provisions in regard to video surveillance (data privacy) must be observed. The evaluation and management of images is possible via the recorder or via a connected PC.



3.19

WAECO PerfectView REC 400

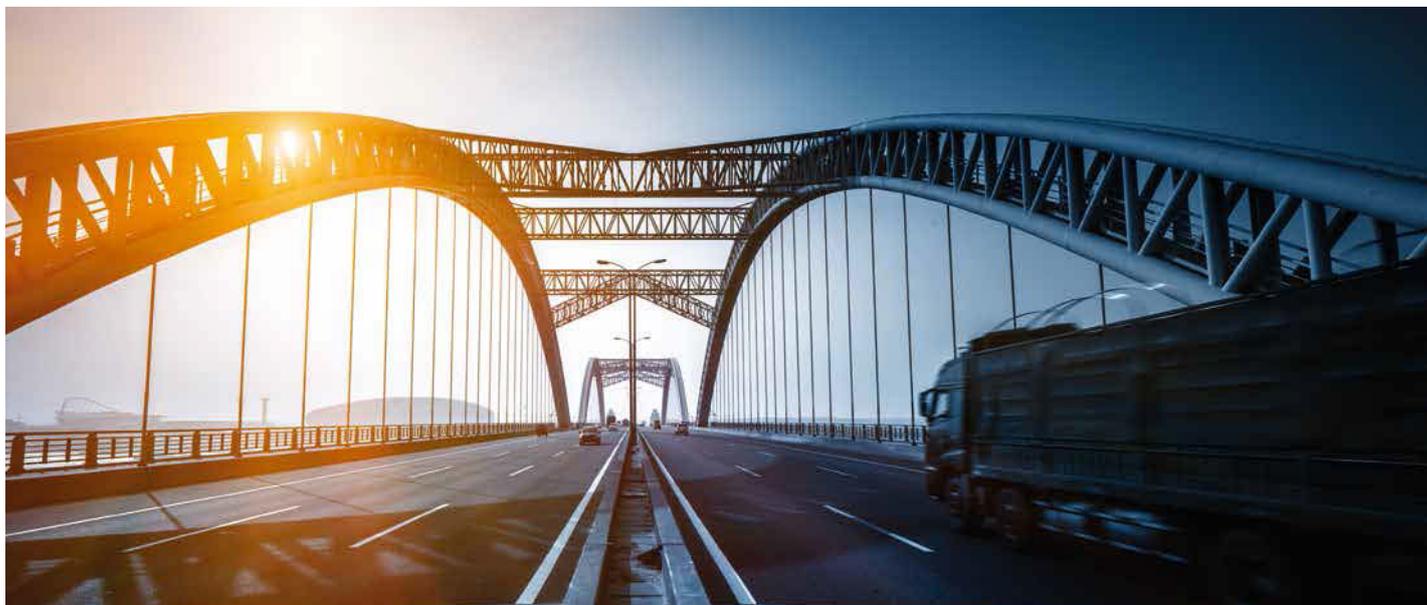
Digital video recorder for recording video and audio signals

- Compact design (fanless)
- Compatible with PAL and NTSC
- 4 video inputs for simultaneous recording of signals from up to 4 cameras
- Storage on SD card (not included)
- Recording time: up to 70 hours (CIF, 15 frames/second, 64 GB SD card)
- Integrated GPS receiver for position tracking
- An acceleration sensor measures the force of acceleration allowing it to be documented
- Recording management via PC or recorder
- Split image function as with VS 400

Ref. No. 9102200138

Adapter needed for connection to WAECO PerfectView monitors
ADAPT7 // Ref. No. 9102200058





DIGITAL RADIO LINK FOR REVERSING CAMERA SYSTEMS

FOR WIRELESS TRANSMISSION OF VIDEO AND AUDIO SIGNALS

With the digital radio link PerfectView VT 100DIG, **video and audio signals can be transmitted over distances up to 120 metres** (line of sight) without fail. The use of coded signals and automatic channel selection ensure very stable transmission.

The benefits of radio-based signal transmission are obvious: there's no need for time-consuming cable laying across the vehicle, and no need for cost-intensive cable maintenance either. The housing of the digital radio link is water-proof according to IP 65 and therefore suitable for installation on the outside of the vehicle – ideal for retrofitting.

3.19



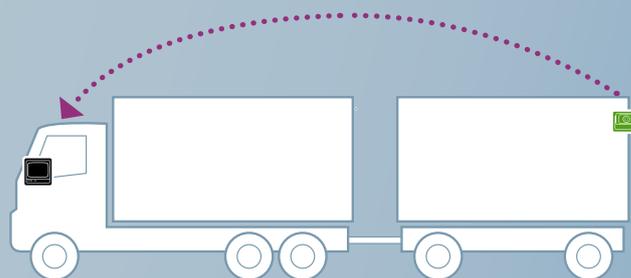
**Signal
transmission –
wireless and
trouble-free**

WAECO PerfectView VT 100DIG

Digital radio link for transmitting video and audio signals

- Uninterrupted transmission
- Transmission distance of up to 120 m, line of sight
- Reception delay under 200 ms
- Frame rate up to 30/s
- Simultaneous operation of up to 6 radio links possible
- Water-proof IP 65
- 1 m antenna cable for optimal placing of the antenna

Ref. No. 9102200116





WIRING FOR REVERSING CAMERA SYSTEMS ALSO IN ADR-COMPLIANT, HEAVY-DUTY DESIGN

We offer system and extension cable with 6-pin screw connectors in three different lengths – 5, 10 or 20 metres.
For heavy-duty applications we recommend the ADR-compliant, heavy-duty versions.



HD system and extension cables

3.19

HD system and extension cables, heavy-duty design, ADR-compliant

- 6-pin screw connector, water-proof
- Extra-robust/reinforced design
- ADR-compliant

HD cable 5 m: Ref. No. 9102200069
HD cable 10 m: Ref. No. 9102200070
HD cable 20 m: Ref. No. 9102200071



System and extension cables

3.19

System and extension cables, light-duty design

- 6-pin screw connector, water-proof

Cable 5 m: Ref. No. 9102200028
Cable 10 m: Ref. No. 9102200029
Cable 20 m: Ref. No. 9102200030

ACCESSORIES FOR TRAILERS AND TRACTOR-TRAILERS

HEAVY-DUTY SPIRAL CABLE SETS, SYSTEM AND EXTENSION CABLES

You want to extend a reversing video system to include a rear-view camera for the trailer? Or fit a tractor-trailer with a camera-monitor system? On the following pages you will find everything you need for installation: system and extension cables, plug connections and heavy-duty cable sets. Perfectly coordinated, plug-in components make installation easy and flexible.



Scope of order: tractor-trailer

WAECO PerfectView reversing video system (see p. 53)

■ Monitor	■ System and extension cable
■ System camera with system cable	■ HD spiral cable set

3.19



WAECO PerfectView accessories

Heavy-duty spiral cable set for trailers incl. sockets

- Trailer cable 4 m, heavy-duty design, ready-to-use with sockets (plug/jack)
- For towing vehicles with trailer/tractor-trailer
- Especially for commercial use
- SPK 170 is a spiral cable with 7 wires and allows the two cameras CAM 604 and CAM 44 to be used e.g. on a trailer.



Heavy-duty spiral cable set SPK 150 for trailers incl. sockets, compatible with spiral cable RV-500SPK (up to 2009) // Ref. No. 9102200031

Prepared system connections (available as single parts):
Socket with system plug // Ref. No. 9102200065
Socket with system jack // Ref. No. 9102200064



Heavy-duty spiral cable set SPK 160 for trailers incl. sockets, compatible with spiral cable RV-100SPK (up to 2009) // Ref. No. 9102200077

Prepared system connections (available as single parts):
Socket with system plug // Ref. No. 9102200087
Socket with system jack // Ref. No. 9102200086



Heavy-duty spiral cable set SPK 170 for trailers incl. sockets, also suitable for CAM 604 and CAM 44

Prepared system connections (available as single parts):
Ref. No. 9102200171
Socket with system plug // Ref. No. 9102200173
Socket with system socket // Ref. No. 9102200172

3.19

CAB 38 quick connector for trailer

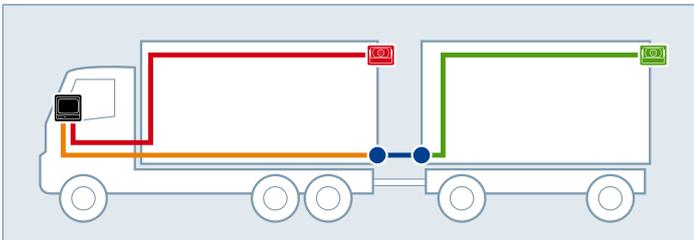
- Trailer cable 2 x 30 cm, light-duty version, including ready-to-use surface-mounted sockets

Ref. No. 9102200101



Our tip!

You only need adapters for connecting the new monitors and cameras to older WAECO cabling.
For any questions, please contact our technical service team.

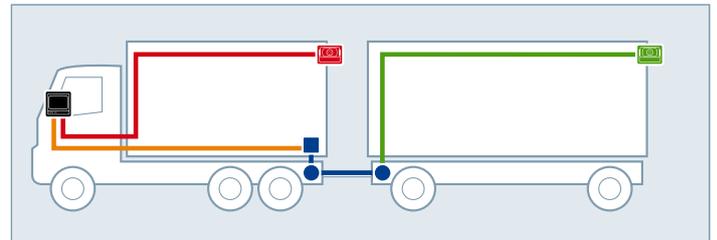


Scope of order: truck with trailer

WAECO PerfectView reversing video system

(see p. 53, except for RVS594, RVS 794)

- Monitor
- System camera with system cable
- System and extension cable
- HD spiral cable set
- Additional camera with system cable (s. p. 48 – 49)



Scope of order: trailer with low coupling

WAECO PerfectView reversing video system (see p. 53)

- Monitor
- System camera with system cable
- System and extension cable
- Socket with system plug
- System and extension cable CAB 39
- Additional camera with system cable (s. p. 48 – 49)

3.19

WAECO PerfectView accessories

CAB 39 system and extension cable for trailers with low coupling

- Trailer cable 5 m for trailers with low coupling
- With ABS socket (12 V model)

CAB 39 system and extension cable for trailers with low coupling, 5 m, // Ref. No. 9102200110

Socket with system plug, compatible with spiral cable RV-100SPK (up to 2009) // Ref. No. 9102200087



Safety solutions

3.19

WAECO PerfectView accessories

Cable adapters

- The two WAECO cable systems up to 2009 (black or grey) were replaced by a new uniform cable system from 2010.
- Adapters for adapting installed cables when existing components are replaced by new ones – no need to re-lay cables

WAECO CRT cable up to 2009

ADAPT1 camera adapter, new socket/old plug //

Ref. No. 9102200042

ADAPT6 monitor adapter, new plug/old socket //

Ref. No. 9102200057

WAECO LCD cable up to 2009

ADAPT2 monitor adapter, new plug/old socket //

Ref. No. 9102200043

ADAPT3 monitor adapter, new plug/old socket //

Ref. No. 9102200046

ADAPT1 camera adapter,
(6-pin DIN, black cable)



ADAPT6 monitor adapter,
(6-pin DIN, black cable)



ADAPT2 camera adapter,
(6-pin DIN, grey cable)



ADAPT3 monitor adapter,
(6-pin DIN, grey cable)

3.19 // WAECO PerfectView RVS

Reversing camera systems

			
	RVS 594	RVS 555 / 555X	RVS 580 / 580X
Ref. No.	9101900002	9101900003 / 9101900086	9101900040 / 9101900085
Cameras	CAM 44 colour twin camera with shutter	CAM55 colour camera	CAM80CM colour shutter camera
Dimensions (WxHxD, mm)	114 x 74 x 62 (incl. mount)	80 x 50 x 62 (incl. mount)	106 x 68 x 54 (incl. mount)
Operating voltage (volts DC)	12 to 16	10 to 32	11 to 16
Power input (watts)	approx. 1.2	max. 4.1	1.8 with heater
Image sensor	1/3" CMOS (close range) 1/4" CMOS (long range)	1/4" CMOS	1/3" CCD
Resolution (pixels)	290,000	2 megapixels	270,000
Picture angle	Close range: 140° diagonal h: approx. 100° v: approx. 72° Long range: 50° diagonal h: approx. 35° v: approx. 28°	120° diagonal h: approx. 100°, v: approx. 70°	145° diagonal h: approx. 100° v: approx. 72°
Light sensitivity (lux)	< 1 or 0 with LED	< 1 or 0 with LED	< 0.5 or 0 with LED
Video standard (PAL)	●	●	●
Operating temperature (°C)	-30 to +70	-30 to +70	-20 to +65
Colour	silver	silver	silver
Vibration resistance (g)	6	10	6
Weight (g)	360	approx. 165 g	350
Brightness adjustment	electronic	electronic	electronic
Mirrored picture function	factory-preset	can be set	can be set
Protection class	IP 68	IP 69K	IP 68
Test mark E-certificate	●	● ISO 16750	● ISO 16750
Quality features	Anodised and powder-coated aluminium housing with stainless steel protection cap and mount, motor-operated camera cover, microphone, LDR-controlled IR LEDs for improved night vision, distance marks (3 lines) in reversing mode	Robust aluminium housing with stainless steel mount, optimised mount base for reliable sealing of the cable feed-through, separately placed LEDs for glare-free night vision, temperature-controlled heater	Normal or mirrored picture function, automatic, motor-operated camera cover to protect the lens against dirt, anodised and powder-coated aluminium housing with stainless steel protection cap and mount, microphone, temperature-controlled heater, LDR-controlled IR LEDs
Monitors	5" Colour LCD monitor M55L / M 55LX		
Dimensions (WxHxD incl. mount)	146 x 87 x 26 mm		
Diagonal screen dimension	5"/127 mm (visible picture), 16:9		
Operating voltage (volts DC)	11 to 30		
Power input (watts)	8		
Resolution (pixels)	384,000		
PAL/NTSC auto	●		
Operating temperature (°C)	-20 to +70		
Vibration resistance 6 g	●		
Weight (g)	350		
Brightness cd/m²	350		
Dimmer	automatic via LDR		
Camera inputs	2 + 1 with signal recognition (trailer detection) (M 55L) / 3 + 1 with signal recognition (trailer detection) (M 55LX)		
Mirrored picture function	can be set		
Test marks	E-certified, ISO 16750		
Quality features	Switches on automatically or manually, automatic day/night switching, normal or mirrored picture function, picture settings can be saved for each camera, loudspeaker, LED background illumination, LX version with adjustable distance marks		
Scope of delivery system	Monitor, camera, 20 m connection cable from the monitor to the camera, monitor cable set, installation fittings for all components, LX version with additional sun shield		



RVS 565	RVS 535
9101900036	9101900001

CAM 29BK colour cylinder camera	CAM 29BKS colour cylinder camera
--	---

330 x 70 x 100 with console	370 x 50 x 290 with console
11 to 16	11 to 16
approx. 1	approx. 1
1/4" CMOS	1/4" CMOS
307.000	307.000
150° diagonal, h: approx. 102° v: approx. 73°	150° diagonal, h: approx. 102° v: approx. 73°

< 1	< 1
NTSC	NTSC
-20 to +70	-20 to +70
black	black
8	8
400	400
electronic	electronic
factory-preset	factory-preset
IP 68	IP 68

High light sensitivity, base-mounted housing included in the delivery kit

High light sensitivity, base-mounted housing included in the delivery kit

5" Colour LCD monitor M 55L

146 x 87 x 26 mm
5"/127 mm (visible picture), 16:9
11 to 30
8
384,000
•
-20 to +70
•
350
350
automatic via LDR
2 + 1 with signal recognition (trailer detection)
can be set
E-certified, ISO 16750

Switches on automatically or manually, automatic day/night switching, normal or mirrored picture function, picture settings can be saved for each camera, loudspeaker, LED background illumination

Monitor, camera, 20 m connection cable from the monitor to the camera, monitor cable set, installation fittings for all components

3.19 // WAECO PerfectView RVS

Reversing camera systems

			
	RVS 764X	RVS 794	RVS 755 / 755X or LX monitor
Ref. No.	9101900087	9101900061	9101900078 / 9101900062
Cameras	CAM 604 colour camera	CAM 44 colour twin camera with shutter	CAM 80CM colour shutter camera
Dimensions (W x H x D, mm)	83 x 70 x 57	114 x 74 x 62 (incl. mount)	80 x 50 x 62 (incl. mount)
Operating voltage (volts DC)	10 to 16	12 to 16	11 to 32
Power input (watts)	max. 6	approx. 1.2	max. 4.1
Image sensor	1/4" CMOS	1/3" CMOS (close range) 1/4" CMOS (long range)	1/4" CMOS
Resolution (pixels)	approx. 400,000	290,000	2 megapixels
Picture angle	Close range: 153° diagonal h: approx. 140° v: approx. 94° Long range: 83° diagonal h: approx. 63° v: approx. 52°	Close range: 140° diagonal h: approx. 100° v: approx. 72° Long range: 50° diagonal h: approx. 35° v: approx. 28°	120° diagonal h: approx. 100° v: approx. 72°
Light sensitivity (lux)	< 1 or 0 with LED	< 1 or 0 with LED	< 1 or 0 with LED
PAL video standard	●	●	●
Operating temperature (°C)	-30 to +70	-30 to +70	-30 to +70
Colour	silver	silver	silver
Vibration resistance (g)	10	6	10
Weight (g)	approx. 300	360	165
Brightness adjustment	electronic	electronic	electronic
Mirrored picture function	factory-preset	factory-preset	can be set
Protection class	IP 69K	IP 68	IP 69K
Test mark E-certificate	● ISO 16750	●	● ISO 16750
Quality features	IR LEDs or improved night vision, temperature-controlled heater, integrated microphone, replaceable stone chip protection screen, image correction, camera requires 2 monitor signal inputs	Anodised and powder-coated aluminium housing with stainless steel protection cap and mount, motor-operated camera cover, microphone, LDR-controlled IR LEDs for improved night vision, distance marks (3 lines) in reversing mode	Robust aluminium housing with stainless steel mount, optimised mount base for reliable sealing of the cable feed-through, separately placed LEDs for glare-free night vision, temperature-controlled heater
Monitors	7" Colour LCD monitor M 75L / M 75LX		
Dimensions (W x H x D incl. mount)	190 x 110 x 26 mm		
Diagonal screen dimension	7"/178 mm (visible picture), 16:9		
Operating voltage (volts DC)	11 to 30		
Power input (watts)	8		
Resolution (pixels)	384,000		
PAL/NTSC auto	●		
Operating temperature (°C)	-20 to +70		
Vibration resistance 6 g	●		
Weight (g)	400		
Brightness cd/m ²	400		
Dimmer	automatic via LDR		
Camera inputs	2 + 1 with signal recognition (trailer detection) (M 75L) / 3 + 1 with signal recognition (trailer detection) (M 75LX)		
Mirrored picture function	can be set		
Test marks	E-certified, ISO 16750		
Quality features	Switches on automatically or manually, automatic day/night switching, normal or mirrored picture function, picture settings can be saved for each camera, loudspeaker, LED background illumination, LX version with adjustable distance marks		
Scope of delivery system	Monitor, camera, 20 m connection cable from the monitor to the camera, monitor cable set, installation fittings for all components, LX version with additional sun shield		



or LX monitor

RVS 780 / 780X

9101900084 / 9101900083

CAM80CM colour shutter camera

106 x 68 x 54
(incl. mount)

11 to 16

1.8 with heater

1/3" CCD

270,000

145° diagonal

h: approx. 100° v: approx. 72°

< 0.5, 0 with LED

•

-20 to +65

silver

6

350

electronic

can be set

IP 68

• ISO 16750

Normal or mirrored picture function, automatic, motor-operated camera cover to protect the lens against dirt, anodised and powder-coated aluminium housing with stainless steel protection cap and mount, microphone, temperature-controlled heater, LDR-controlled IR LEDs



190 x 110 x 26 mm

7"/178 mm (visible picture), 16:9

11 to 30

8

384,000

•

-20 to +70

•

400

400

automatic via LDR

2 + 1 with signal recognition (trailer detection) (M 75L) / 3 + 1 with signal recognition (trailer detection) (M 75LX)

can be set

E-certified, ISO 16750

Switches on automatically or manually, automatic day/night switching, normal or mirrored picture function, picture settings can be saved for each camera, loudspeaker, LED background illumination, LX version with adjustable distance marks

Monitor, camera, 20 m connection cable from the monitor to the camera, monitor cable set, installation fittings for all components, LX version with additional sun shield

3.19 // WAECO PerfectView monitors

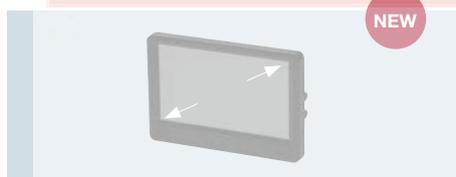
Monitors



	M 55L	M 75L	M 55LX	M 75LX	M 70IP
Ref. No.	9102100056	9102100057	9102100059	9102100058	9102100046
Dimensions (WxHxD incl. mount) mm	146 x 87 x 26	190 x 110 x 26	146 x 87 x 26	190 x 110 x 26	197.2 x 132 x 30.5
Diagonal screen dimension (16:9) mm	5"/127	7"/178	5"/127	7"/178	7"/178
Operating voltage (volts DC)	11 to 30	11 to 30	11 to 30	11 to 30	12 to 32
Power input (watts)	8	8	8	8	6
Resolution (pixels)	384,000	384,000	384,000	384,000	384,000
PAL/NTSC auto	●	●	●	●	PAL
Operating temperature (°C)	-20 to +70	-20 to +70	-20 to +70	-20 to +70	-20 to +70
Vibration resistance 6 g	●	●	●	●	●
Weight (g)	350	400	400	400	680
Brightness (cd/m²)	350	400	400	400	400
Dimmer	automatic via LDR	automatic via LDR	automatic via LDR	automatic via LDR	automatic
Detachable sun shield	-	-	●	●	-
Camera inputs	2 + 1 with signal recognition	2 + 1 with signal recognition	3 + 1 with signal recognition	3 + 1 with signal recognition	3
Adjustable distance marks	-	-	●	●	●
Mirrored picture function	can be set	can be set	can be set	can be set	can be set
Test marks	E-certified, ISO 16750	E-certified, ISO 16750	E-certified, ISO 14982	E-certified, ISO 14982	E-certified, IP 69K
Quality features	Switches on automatically or manually, automatic day/night switching, normal or mirrored picture function, picture settings can be saved for each camera, loudspeaker, LED background illumination				

3.19 // WAECO PerfectView monitors

Monitors



M 9LQ

Ref. No.	9102100055
Dimensions (WxHxD) mm	234 x 158 x 40
Diagonal screen dimension (16:9) mm	9"/229
Operating voltage (volts DC)	11 to 32
Power input (watts)	8
Resolution (pixels)	385,000
PAL/NTSC auto	●
Operating temperature (°C)	-20 to +70
Vibration resistance 6 g	●
Weight (g)	800
Brightness (cd/m²)	350
Camera inputs	4
Camera switching	integrated quad module
Function control	sensor buttons / touch screen
Test marks	E-certified

3.19 // WAECO PerfectView

Reversing cameras

			 NEW		 NEW
	CAM 604 / CAM 604NAV	CAM 44 / CAM 44NAV	CAM 55 / CAM 55NAV	CAM 80CM / CAM 80NAV	CAM 29 / 29BK / 29 BK NAV
Ref. No.	9102000071 // 9102000057	9102000061 // 9102000062	9102000064 // 9102000098	9102000066 // 9102000023	9102000120 // 9102000117 // 9102000115
Dimensions (WxHxD, mm)	83 x 70 x 57	114 x 74 x 62 (incl. mount)	80 x 50 x 62 (incl. mount)	106 x 68 x 54 (incl. mount)	330 x 70 x 100 with console
Operating voltage (volts DC)	10 to 16	11 to 16	10 to 32	11 to 16	11 to 16
Power input (watts)	max. 6	approx. 1.2	max 4.1	1.8 with heater	approx. 1
Image sensor	1/4" CMOS	1/3" CMOS (close range) 1/4" CMOS (long range)	1/4" CMOS	1/3" CCD	1/4" CMOS
Resolution (pixels)	approx. 400,000	290,000	2 megapixels	270,000	307,000
Picture angle	Close range: 140° H, 94° V, 153° D Long range: 63° H, 52° V, 83° D	Close range: 140° diagonal, h: approx. 100°, v: approx. 72° Long range: 50° diagonal h: approx. 35°, v: approx. 28°	120° diagonal h: approx. 100° v: approx. 70°	145° diagonal h: approx. 100° v: approx. 72°	150° diagonal, h: approx. 102° v: approx. 73°
Light sensitivity (lux)	< 1 or 0 with LED	< 1 or 0 with LED	< 1 or 0 with LED	< 0.5 or 0 with LED	< 1
Video standard	PAL	PAL	PAL	PAL	NTSC
Operating temperature (°C)	-30 to 70	-30 to +70	-30 to +70	-20 to +65	-20 to +70
Colour	silver	silver	silver	silver	black
Vibration resistance	10 g	6 g	10 g	6 g	8 g
Weight	approx. 300 g	360 g	165 g	350 g	400 g
Brightness adjustment	electronic	electronic	electronic	electronic	electronic
Mirrored picture function	factory-preset	factory-preset	can be set	can be set	factory-preset
Protection class	IP 69K	IP 68	IP 69K	IP 68	IP 68
Test mark E-certificate	● ISO 16750	●	● ISO 16750	● ISO 16750	●

3.19 // WAECO PerfectView

Reversing cameras

					 NEW
	CAM 18 / CAM 18NAV	CAM 30C	CAM 40	CAM 60ADR	CAM 29BKS / CAM 29BKS NAV
Ref. No.	9102000096 // 9102000103	9102000045	9102000047	9102000065	9102000118 // 9102000116
Dimensions (WxHxD, mm)	84 x 58 x 44 (incl. mount)	72 x 60 x 63 (incl. mount)	72 x 60 x 63 (incl. mount)	80 x 75 x 62 (incl. mount)	370 x 50 x 290 (incl. console)
Operating voltage (volts DC)	12	11 to 16	11 to 16	11 to 16	11 to 16
Power input (watts)	max. 1	approx. 1.8	approx. 1.8	approx. 4.8 (with heater)	approx. 1
Image sensor	1/3" CMOS	1/4" CCD sensor	1/4" CCD sensor	1/3" CCD	1/4" CMOS
Resolution (pixels)	355,000	270,000	290,000	290,000	307,000
Picture angle	140° diagonal, h: approx. 90°, v: approx. 70°	120° diagonal h: approx. 90° v: approx. 70°	130° diagonal h: approx. 90° v: approx. 70°	120° diagonal h: approx. 108° v: approx. 92°	150° diagonal h: approx. 102° v: approx. 73°
Light sensitivity (lux)	< 1 or 0 with LED	< 1 or 0 with LED	< 0.1 or 0 with LED	< 1	< 1
PAL video standard	PAL	PAL	PAL	PAL	NTSC
Operating temperature (°C)	-20 to +70	-20 to +65	-20 to +65	-30 to +65	-20 to +70
Colour	black	black	black	silver	black
Vibration resistance (g)	6	8	8	10	8
Weight (g)	100	200	200	300	400
Brightness adjustment	electronic	electronic	electronic	electronic	electronic
Mirrored picture function	can be set	can be set	can be set	can be set	can be set
Protection class	IP 69K	IP 68	IP 68	IP 69K	IP 68
Test mark E-certificate	●	●	●	●	●

3.22 // WAECO PerfectView MC

Moniceiver WAECO
+ reversing cameras

	MC 464	MC 444	MC 418
Ref. No. System	9103531017	9101900072	9103531018
Cameras	Colour camera CAM 604NAV	Colour twin camera with shutter CAM 44NAV	Colour ball camera CAM 18NAV
Dimensions (WxHxD, mm)	83 x 70 x 57	114 x 74 x 62 (incl. mount)	84 x 58 x 44 (incl. mount)
Operating voltage (volts DC)	10 to 16	12 to 16	12
Power input (watts)	max. 6	approx. 1.2	max. 1
Image sensor	1/4" CMOS	1/3" CMOS (close range) 1/4" CMOS (long range)	1/3" CMOS
Resolution 270,000 (pixels)	approx. 400,000	290,000	355,000
Picture angle	Close range: 153° diagonal h: approx. 140°, v: approx. 94° Long range: 83° diagonal h: approx. 63°, v: approx. 52°	Close range: 140° diagonal h: approx. 100°, v: approx. 72° Long range: 50° diagonal h: approx. 35°, v: approx. 28°	140° diagonal h: approx. 90°, v: approx. 70°
Light sensitivity (lux)	< 1 or 0 with LED	< 1 or 0 with LED	< 1 or 0 with LED
PAL video standard	●	●	●
Operating temperature (°C)	-30 to 70	-30 to +70	-20 to +70
Colour	silver	silver	black
Vibration resistance (g)	10	6	6
Weight (g)	approx. 300	360	100
Brightness adjustment	electronic	electronic	electronic
Mirrored picture function	factory-preset	factory-preset	can be set
Protection class	IP 69K	IP 68	IP 69K
Test mark E-certificate	● ISO 16750	●	●
Quality features	Infra-red LEDs for improved night vision, temperature-controlled heater, integrated microphone, replaceable stone chip protection screen, image correction, camera requires 2 monitor signal inputs	Operation via the two camera inputs of the monitor, manual or automatic switching between the cameras, anodised and powder-coated aluminium housing with stainless steel cap and mount, motor-powered camera cover, microphone, LDR-controlled IR LEDs for improved night vision, distance marks (3 lines) in reversing mode	Normal or mirrored picture function, sturdy ABS plastic housing, freely adjustable ball camera, microphone, LDR-controlled IR LEDs, distance marks (3 lines)
Multimedia monitor	PerfectView MC 402		
Installation dimensions	Suitable for double DIN slot		
Screen	6.2" LCD display with touch screen control		
Resolution (pixels)	800 x 480		
Radio	FM, MW, LW tuner, 30 station presets		
Bluetooth	Parrot hands-free kit, audio streaming		
Theft protection	with security code		
Video playback	DVD, MP4, Xvid		
Audio playback	MP3, WMA		
Quality features	Moniceiver with 6.2" double DIN monitor, touchscreen display, including many multimedia functions and input for reversing camera		
Scope of delivery, system	Moniceiver, camera, 20 m connection cable, installation fittings, IR remote control, adapter cable to the moniceiver		
Other accessories	Installation frames 9102200106 // FIAT Ducato, from 2007 9102200109 Mercedes-Benz Sprinter, from 2006 9102200120 // Ford Transit, from 2006 9102200127 // IVECO Daily		



Ref. No.
MC 402 moniceiver

9102100024

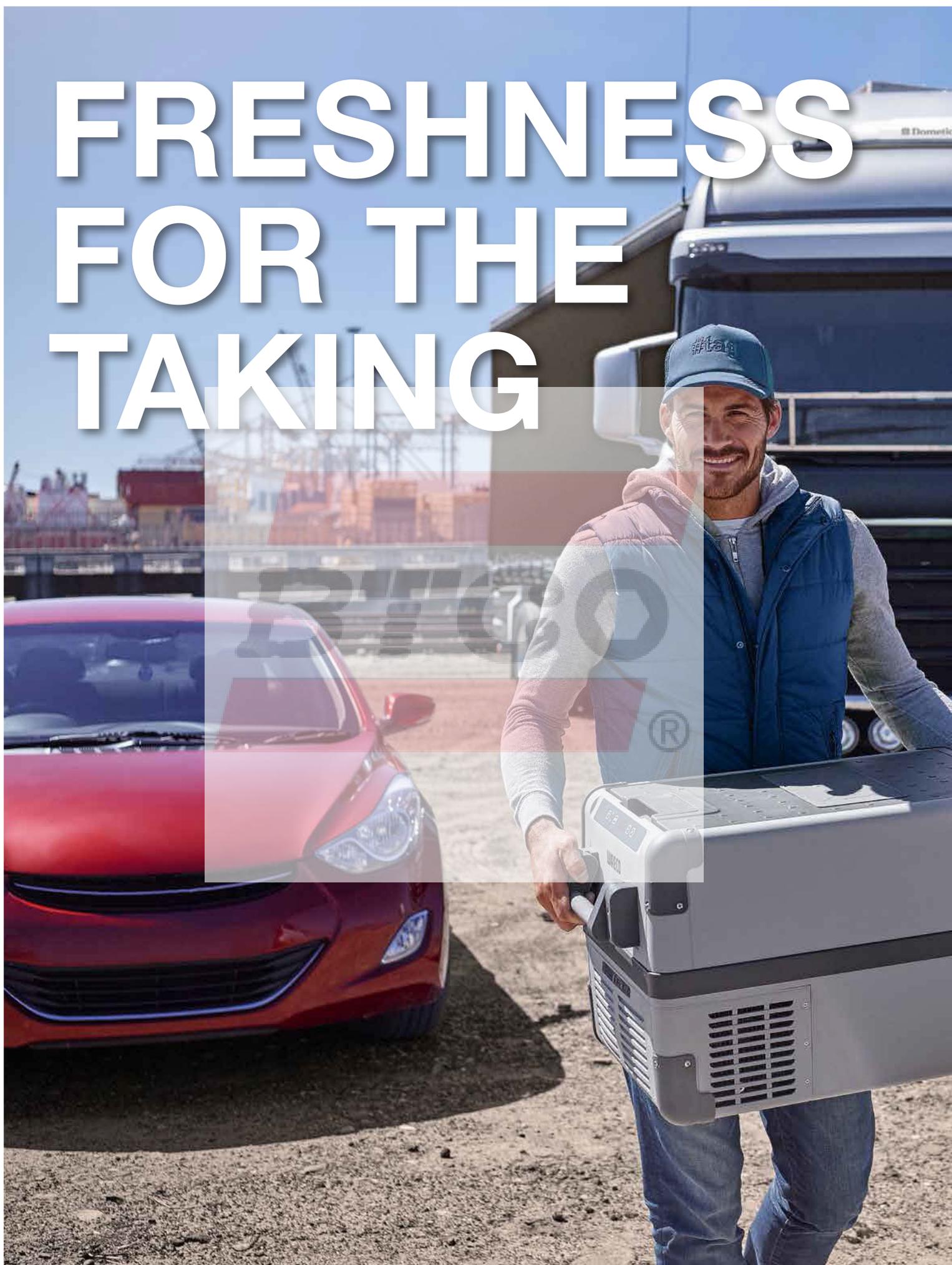
**Moniceiver
also available
separately**

			
MC 455	MC 480	MC 460	MC 429
9103531019	9101900070	9103531021	9103531047
Colour camera CAM 55NAV	Colour shutter camera CAM 80NAV	Colour cylinder camera CAM 29BK NAV	Colour cylinder camera CAM 29BKs NAV
80 x 50 x 62 (incl. mount)	106 x 68 x 54 (incl. mount)	330 x 70 x 100 with console	370 x 50 x 290 with console
10 to 32	11 to 16	11 to 16	11 to 16
max. 4.1	1.8 with heater	approx. 1	approx. 1
1/4" CMOS	1/3" CCD	1/4" CMOS	1/4" CMOS
2 megapixels	●	307,000	307,000
120° diagonal h: approx. 100°, v: approx. 70°	145° diagonal h: approx. 100°, v: approx. 72°	150° diagonal, h: approx. 102°, v: approx. 73°	150° diagonal, h: approx. 102°, v: approx. 73°
< 1 or 0 with LED	< 0.5 or 0 with LED	< 1	< 1
●	●	NTSC	NTSC
-30 to +70	-20 to +65	-20 to +70	-20 to +70
silver	silver	black	black
10	6	8	8
165	350	400	400
electronic	electronic	electronic	electronic
can be set	can be set	factory-preset	factory-preset
IP 69K	IP 68	IP 68	IP 68
● ISO 16750	● ISO 16750	●	●
Robust aluminium housing with stainless steel mount, optimised mount base for reliable sealing of the cable feed-through, separately placed LEDs for glare-free night vision, temperature-controlled heater	Normal or mirrored picture function, automatic, motor-powered camera cover to protect the lens against dirt, anodised and powder-coated aluminium housing with stainless steel protection cap and mount, microphone, temperature-controlled heater, LDR-controlled IR LEDs	Normal or mirrored picture function, high light sensitivity, base-mounted housing included in the delivery kit	Normal or mirrored picture function, high light sensitivity, base-mounted housing included in the delivery kit

PerfectView MC 402

Suitable for double DIN slot
6.2" LCD display with touch screen control
800 x 480 pixels
FM, MW, LW tuner, 30 station presets
Parrot hands-free kit, audio streaming
with security code
DVD, MP4, Xvid
MP3, WMA
Moniceiver with 6.2" double DIN monitor, touchscreen display, including many multimedia functions and input for reversing camera
Moniceiver, camera, 20 m connection cable, installation fittings, IR remote control, adapter cable to the moniceiver
Installation frames
9102200106 // FIAT Ducato, from 2007 9102200109 // Mercedes-Benz Sprinter, from 2006
9102200120 // Ford Transit, from 2006 9102200127 // IVECO Daily

FRESHNESS FOR THE TAKING





MOBILE COOLING



Cooling technologies	84
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Mobile cooling – the full range

Are you looking for the perfect cooler for your car or truck cabin? Take your pick from the world's largest range of products for mobile refrigeration! You will find coolers and freezers in all sizes and designs – including powerful champions and portable lightweights, drawer fridges and customised cooling compartments, and car coolers that will heat as well.

Even more options are available at www.dometic.eu

COOLING AND HEATING THERMOELECTRICS

The thermoelectric principle was discovered by J. C. A. Peltier. The temperature generating parts of thermoelectric systems are therefore referred to as **Peltier elements**. Thermoelectrics are based on the fact that cold or heat energy is generated when a DC current is conducted between different types of metal. The **heating or cooling capacity** is further enhanced by heat exchangers and air fans. Ideal for small and medium cooling volumes.

MY BENEFITS

Thermoelectric coolers

- Operation on 12/24 volts DC or 230 volts AC
- Can be used for cooling and keeping the contents warm
- Impeccable operation in inclined position
- Lightweight, convenient to transport



WAECO TropiCool
TCX 21



WAECO CoolFun SC 26
(cooling only)



230 V



12/24 V



Cooling and
heating

REFRIGERATION AND DEEP-FREEZING COMPRESSOR TECHNOLOGY

Compressor coolers operate using a refrigerant that changes from liquid to gaseous state in the evaporator. In the process heat is extracted from the interior of the cooling unit – the temperature drops. The compressor draws in the refrigerant, compresses it and passes it on to the condenser. Here, the absorbed heat is released to the atmosphere. The refrigerant liquefies again and flows to the evaporator, where the cycle begins again.

MY BENEFITS

Compressor coolers and freezers

- Excellent cooling performance even at extreme ambient temperatures
- Refrigeration and deep-freezing
- Operation on 12/24 volts DC or 100 – 240 volts AC
- Minimal power consumption
- Ideal for solar operation
- Impeccable operation in inclined position



WAECO CoolMatic CD 20



WAECO CoolFreeze
CFX 65DZ



100 – 240 V



12/24 V



Solar

Compressor coolers and
freezers

**WAECO
CoolFreeze CFX**



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Compressor coolers and
freezers

**WAECO
CoolFreeze CF / CDF**



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Compressor coolers

**WAECO
CoolMatic CD**



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Compressor coolers

**WAECO
CoolFreeze**



p. 92

Vehicle-specific compressor
coolers

**WAECO ColdMachine
WAECO CoolMatic**



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Thermoelectric coolers

WAECO TropiCool TCX



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Thermoelectric car coolers

WAECO BordBar



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Iceboxes

WAECO Cool-Ice



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Thermoelectric coolers

WAECO CoolFun



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WAECO COOLFREEZE CFX

THE LATEST GENERATION OF COOLERS AND FREEZERS!

Energy class A++ and freezer temperatures down to -22°C: available for mobile use for the very first time! With its WAECO Coolfreeze CFX series, refrigeration specialist Dometic WAECO is once again proving how milestones are made. Its specially-developed high-performance compressor and extra strong insulation have, once again, allowed the energy consumption to be reduced by up to 35% compared to its predecessors.

The hi-tech units comprise of some heavy-duty details: Reinforced corners, stainless-steel hinges and a robust lid lining ensure they can withstand the most demanding of loads, and yet the CFX coolers are remarkably lightweight and easy to transport.



100 – 240 V



12/24 V

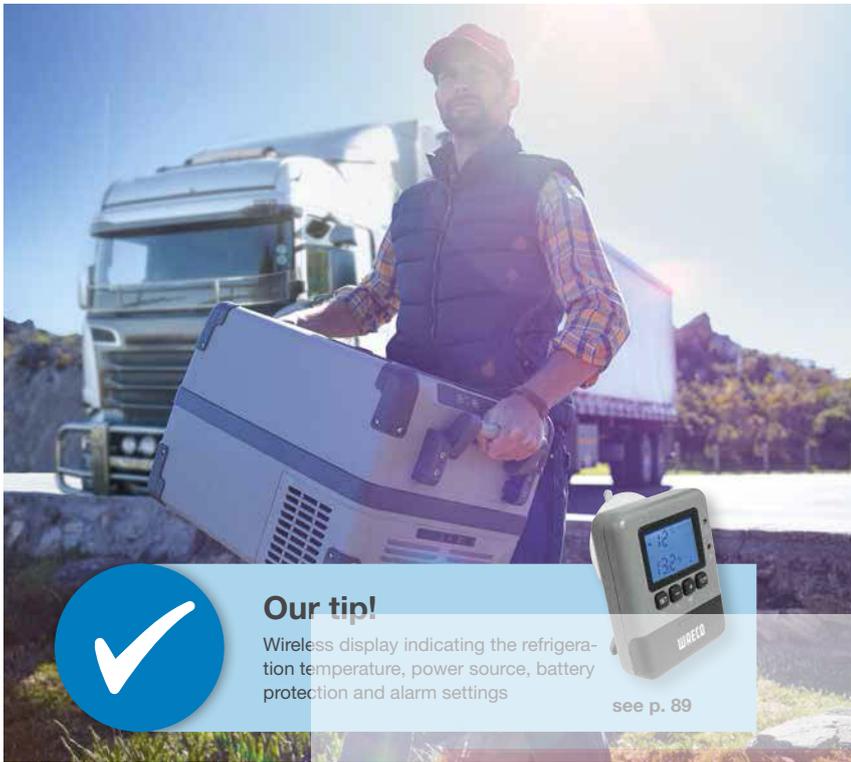


Solar



Organised cooler

The wire basket provided can even be divided using a grid divider.



MY BENEFITS

- Suitable for deep freezing down to -22°C
- Excellent cooling performance even at extremely high outside temperatures
- 12/24 volts DC and 100 – 240 volts AC
- CFX special electronics with digital temperature display
- Extremely efficient and quiet operation
- USB port
- Drain plugs make cleaning simple
- Suitable for solar operation
- Heavy-duty design



Our tip!

Wireless display indicating the refrigeration temperature, power source, battery protection and alarm settings

see p. 89



1

Deep-freezing down to -22°C

Cooling compartment with wire basket and separate crisper for fruit, vegetables, etc.



5

Space-saving folding and detachable carrying handles



2

12/24 volts DC and 100 – 240 volts AC

DC cable guide: the cable fits securely and cannot come loose accidentally



6

Detachable lid

Heavy-duty design with reinforced corners, stainless steel hinges and a robust closing mechanism



3

Electronic thermostat with digital temperature display



7

USB port for charging small electronic devices



4

Energy-efficient LED interior light



8

WAECO high-performance compressor: sensational deep-freeze performance down to -22°C with minimal energy consumption!

Mobile cooling

GENERATION "FROSTY": THE MOST POWERFUL COMPRESSOR COOLERS EVER

WAECO CoolFreeze CFX – uncompromising compressor coolers



Our tip!

4.30

CoolFreeze Accessory

Fixing Kit for CFX 28

- Quick release mechanism for easy removal of fridge – no tools required

Ref. No. 9105330252

NEW:
28 litres
compact class



4.30

NEW!

WAECO CoolFreeze CFX 28

Cooler and freezer with CFX special electronics, 12/24 volts DC and 100–240 volts AC

- Storage volume: approx. 26 litres (including 3.5 litre crisper)
- Refrigeration from +10°C to –22°C
- Dimensions (W x H x D): 620 x 342 x 425 mm

Ref. No. 9105305970 //
UK 9105306327



4.30



4.30



WAECO CoolFreeze CFX 35

Cooler and freezer with CFX special electronics, 12/24 volts DC and 100–240 volts AC

- Storage volume: approx. 32 litres (including 4.5 litre crisper)
- Refrigeration from +10°C to –22°C
- Dimensions (W x H x D): 692 x 411 x 398 mm

Ref. No. 9105304047 //
UK 9105305645



WAECO CoolFreeze CFX 40

Cooler and freezer with CFX special electronics, 12/24 volts DC and 100–240 volts AC

- Storage volume: approx. 38 litres (including 7.0 litre crisper)
- Refrigeration from +10°C to –22°C
- Dimensions (W x H x D): 692 x 461 x 398 mm

Ref. No. 9105304048 //
UK 9105305646



4.30



4.30



WAECO CoolFreeze CFX 50

Cooler and freezer with CFX special electronics, 12/24 volts DC and 100–240 volts AC

- Storage volume: approx. 46 litres (including 8.5 litre crisper)
- Refrigeration from +10°C to –22°C
- Dimensions (W x H x D): 725 x 471 x 455 mm

Ref. No. 9105304049 //
UK 9105305647



WAECO CoolFreeze CFX 65

Cooler and freezer with CFX special electronics, 12/24 volts DC and 100–240 volts AC

- Storage volume: approx. 60 litres (including 13.0 litre crisper)
- Refrigeration from +10°C to –22°C
- Dimensions (W x H x D): 725 x 561 x 455 mm

Ref. No. 9105304050 //
UK 9105305648

WAECO COOLFREEZE CFX DZ

SIMULTANEOUS COOLING AND FREEZING

Whether you want to store fresh food and bottled drinks, or preferably frozen food, then this cooler will satisfy all your needs. This is not the question here. WAECO CoolFreeze CFX DZ series compressor cooler have two separate temperature zones which can be set to the temperature you want. Even simultaneous cooling and freezing is possible. On the new CFX 95DZ2 the temperature can be set and monitored with an easy-to-use WiFi app. Another unique feature of the larger box is that it has two compartments for cooling and freezing with separate controls.



4.30

NEW! WAECO CoolFreeze CFX 95DZ2

Cooler and freezer with CFX special electronics, 12/24 volts DC and 100–240 volts AC

- Storage volume: approx. 85 litres
- 2 compartments for cooling and freezing with separate controls, 50.5 and 34.5 litres
- Refrigeration from +10°C to –22°C
- Two temperature zones enable simultaneous cooling and freezing
- Separate lids for the two compartments
- Dimensions (W x H x D): 957 x 472 x 530 mm

Ref. No. 9105306181



Cooling and freezing at the same time!



4.30

WAECO CoolFreeze CFX 65DZ

Cooler and freezer with CFX special electronics, 12/24 volts DC and 100–240 volts AC

- Storage volume: approx. 53 litres (including 17 litre freezer compartment)
- Refrigeration from +10°C to –22°C
- Two temperature zones enable simultaneous cooling and freezing
- Dimensions (W x H x D): 725 x 561 x 455 mm

Ref. No. 9105304051 // UK 9105305649

WAECO WIRELESS DISPLAY FOR ALL* CFX COMPRESSOR COOLERS

4.30

This wireless display shows data such as the current temperature, power supply and alarms at up to 15 m away from the CFX cooler.



WAECO wireless display

Wireless display for cooler temperature, power source, battery protection and alarm setting

- Visual and acoustic alarm
- Power supply from AAA batteries or 12/24 volt cigarette lighter socket

Ref. No. 9105304065

* except CFX 95DZ2



MY BENEFITS

- Extremely compact design
- Even lighter with the new compressor (CDF 18 / CF 11 / 16 / 26)
- Refrigeration and deep-freezing
- Special electronics with digital temperature display
- 3-stage battery protection
- LED interior light
- Digital display



12 / 24 V



100 – 240 V



Solar

“LIGHT” COMPRESSOR TECHNOLOGY EXTREMELY COMPACT DESIGNS

These remarkably lightweight compressor coolers are as easy to handle as a thermoelectric unit. Storage won't ever be a problem either, as the super-slim design means they will fill any niche perfectly. Performance is another plus factor: refrigeration and deep-freezing down to -18°C or -15°C , with minimal power consumption, regardless of the outside temperature.

The CoolFreeze CF series presents itself in a new design – ready for connection to 12/24 volts DC and 100 – 240 volts AC, and now even lighter in weight thanks to a new, more compact compressor. CoolFreeze CDF coolers come standard with a 12/24-volt connection. The CDF 18 was fitted with a lighter compressor, the two larger models were dressed in a new design to match the look of their CF sister models.



4.10

Now even lighter!



WAECO CoolFreeze CDF 18

Portable cooler and freezer, 12/24 volts DC

- Storage volume: approx. 18 litres
- Refrigeration from $+10^{\circ}\text{C}$ to -18°C
- Dimensions (W x H x D):
465 x 414 x 300 mm

Ref. No. 9105330241

MY BENEFITS

- The energy efficiency box: improved insulation makes running times shorter: just 0.38 Ah/h at an inside temperature of $+5^{\circ}\text{C}$ and $+20^{\circ}\text{C}$ outside temperature
- Refrigeration and deep-freezing
- Vertical space for 2-litre bottles
- Detachable or fold-up lid
- Sturdy handle
- 230-volt connection with low priced mains adapter



12 / 24 V



Solar



NEW!
12/24 V DC
+
100 – 240 V AC



4.35

WAECO CoolFreeze CF 11

Cooler and freezer, 12/24 volts DC and 100 – 240 volts AC

- Storage volume: approx. 10.5 litres
- Refrigeration from +10°C to -18°C
- Dimensions (W x H x D): 540 x 358 x 235 mm

Ref. No. 9105330183



4.35

WAECO CoolFreeze CF 16

Cooler and freezer, 12/24 volts DC and 100 – 240 volts AC

- Storage volume: approx. 15 litres
- Refrigeration from +10°C to -18°C
- Dimensions (W x H x D): 549.5 x 366.9 x 260 mm

Ref. No. 9105330184



4.35

WAECO CoolFreeze CF 26

Cooler and freezer, 12/24 volts DC and 100 – 240 volts AC

- Storage volume: approx. 21.5 litres (including 4-litre crisper)
- Refrigeration from +10°C to -18°C
- Dimensions (W x H x D): 550 x 425 x 260 mm

Ref. No. 9105330185



Two integrated drink holders (CF 11)



Digital display



Lift-out wire basket (CF 26)



12/24 V Solar



12/24 V Solar



New design

4.10

WAECO CoolFreeze CDF 36

Cooler and freezer, 12/24 volts DC

- Capacity: approx. 31 litres
- Cooling +10°C to -15°C
- Detachable lid
- LED interior light

Ref. No. 9105330186



4.10

WAECO CoolFreeze CDF 46

Cooler and freezer, 12/24 volts DC

- Capacity: approx. 39 litres
- Cooling +10°C to -15°C
- Detachable lid
- LED interior light

Ref. No. 9105330187



Our tip!

4.10

Universal fixing kit

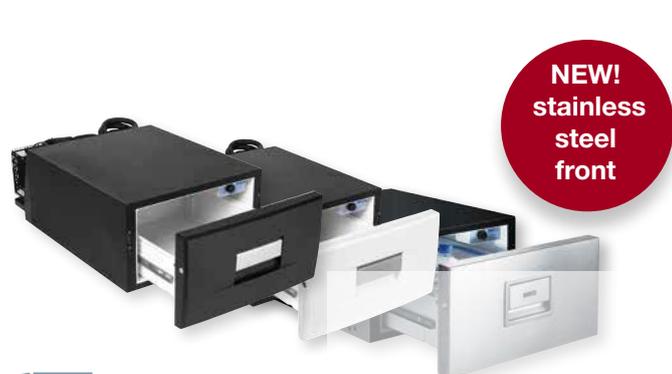
For fastening WAECO CoolFreeze coolers in vehicles.
For CF 16, CF 26, CDF 36 and CDF 46

Ref. No. 9105303708

MAKE IT COOL!

TURN STORAGE SPACE INTO A COOLING COMPARTMENT

Drawer fridge for inside and outside storage compartments. Easy to open, secure locking and elegant front panel.



4.10

WAECO CoolMatic CD 20

Compressor drawer fridge, 12 / 24 volts DC

- Capacity approx. 20 litres
- Detachable cooling unit (1.5 m supply cable)
- Temperature range: +15°C to +0°C
- Dimensions (WxHxD): 438 x 250 x 565 mm (incl. cooling unit)

CD 20 // Ref. No. 9105330080

CD 20W (white front) // Ref. No. 9105330081

CD 20S (stainless steel front) // Ref. No. 9105330148



4.10

WAECO CoolMatic CD 30

Compressor drawer fridge, 12 / 24 volts DC

- Capacity approx. 30 litres
- Detachable cooling unit (1.5 m supply cable)
- Temperature range: +12°C to -2°C
- Dimensions (WxHxD): 440 x 250 x 730 mm (incl. cooling unit)

CD 30 // Ref. No. 9105330085

CD 30W (white front) // Ref. No. 9105330086

CD 30S (stainless steel front) // Ref. No. 9105330147



4.12

WAECO CoolFreeze FC 40

Compressor cooler, 12 / 24 volts DC

- Sideways opening, detachable lid
- Temperature range: +5°C to -15°C
- Optional universal fixing kit

Ref. No. 9105203983



4.24

WAECO CoolFreeze CRD 50

Pull-out fridge and freezer

- **-freezer compartment, can be detached to make more room for cooling
- Wire inset with brackets for bottled drinks
- Matching installation frames available (optional)

Ref. No. 9105304081



COMPRESSOR COOLING – MADE TO MEASURE:

Tailor-made for three strong brands – developed by specialists in vehicle-specific refrigeration

The ColdMachine CS IV compressor cooling unit offers a cost-efficient way of converting the storage box between the seats in the Iveco Stralis into a fridge. The CoolMatic CS MPS compressor cooler fits neatly into the drawer under the driver's bed in Mercedes Actros 2 and 3. The CoolMatic RHD 50 is a perfect fit for the VOLVO FH.



MY BENEFITS

- Tailor made design – optimal use of the available space
- Excellent cooling and deep-freezing performance
- ColdMachine CS IV:
Easy access to your food
- CoolMatic CS MP2:
With interior light
- CoolMatic RHD 50:
Tailor made for the Volvo FH



4.07

WAECO ColdMachine CS IV

Tailor made compressor cooling unit for Iveco Stralis

- Great value cooling solution for the storage box between the seats
- Easy access to your food

Ref. No. 9105304105



4.12

WAECO CoolMatic CS MP2

Tailor made compressor drawer for permanent fitting in Mercedes-Benz Actros 2 and 3

- Top cooling performance from +10°C to 0°C
- With interior light
- Fits L-cabin or Megaspacer cab

Ref. No. 9105203765



4.05

WAECO CoolMatic RHD 50

Tailor made compressor refrigerator for permanent fitting, tailor made for the Volvo FH

- Fits perfectly into the side storage compartment (optional mounting plate)
- Generous 50-litre capacity for food and drinks

Ref. No. 9105203982



CS IV



CS MP2
approx. 25 litres



RHD 50
approx. 50 litres



MY BENEFITS

- Cooling up to 30°C below ambient temperature (TC 07 up to 25°C), up to +65°C in heating mode
- 12/24/230-volt connection as standard with priority circuit for mains operation (TC 07: 12/230 volts)
- Intelligent power-save circuit*
- Dynamic interior ventilation
- Wear-resistant fans
- TC special electronics with a new soft-touch control panel*

*TCX 14, TCX 21, TCX 35

NEW

WAECO TROPICOOOL NOW IN A NEW DESIGN

Convenient DC / AC coolers with TC special electronics and a digital display

Fresh design with a new, digital display – this is the hallmark of the new WAECO TropiCool high-tech coolers. Naturally, all the inner values of the popular series have been retained: intelligent power-save circuit, individually adjustable temperature, cooling performance up to 30°C below the ambient temperature. If desired, the convenient units can also take care of keeping food warm: activating the heating function supplies temperatures of up to +65°C.



230 V



12 / 24 V



Cooling and
heating
mode

WAECO TropiCool – HIGH-PERFORMANCE LUXURY

Perfect down to the last detail



WAECO TropiCool coolers* refrigerate down to 30°C below ambient temperature and heat up to +65°C. Using the soft-touch control panel, you can set the temperature individually – to seven different levels: from +1°C to +15°C in cooling mode or from +50°C to +65°C in heating mode. The memory function stores the previous setting in each case.

*All models except TC 07



*TC 07: 12 / 230 Volt

4.01



4.36

WAECO TropiCool TC 07

Thermoelectric cooler for 12 volts DC and 230 volts AC

- Storage volume: approx. 7 litres
- Cooling up to 25°C below ambient temperature, heating up to +65°C
- Dimensions (W x H x D): 333 x 278 x 190 mm

Ref. No. 9105302036 // UK 9105303473

NEW! WAECO TropiCool TCX 14

Thermoelectric cooler with TC special electronics for 12/24 volts DC and 230 volts AC

- Storage volume: approx. 14 litres
- Cooling up to 30°C below ambient temperature, heating up to +65°C
- Dimensions (W x H x D): 450 x 328 x 303 mm

Ref. No. 9105330180 // UK 9105330317



4.36



4.36

NEW! WAECO TropiCool TCX 21

Thermoelectric cooler with TC special electronics for 12/24 volts DC and 230 volts AC

- Storage volume: approx. 20 litres
- Cooling up to 30°C below ambient temperature, heating up to +65°C
- Dimensions (W x H x D): 450 x 420 x 303 mm

Ref. No. 9105330181 // UK 9105330318

NEW! WAECO TropiCool TCX 35

Thermoelectric cooler with TC special electronics for 12/24 volts DC and 230 volts AC

- Storage volume: approx. 33 litres
- Cooling up to 30°C below ambient temperature, heating up to +65°C
- Dimensions (W x H x D): 550 x 460 x 376 mm

Ref. No. 9105330182 // UK 9105330319

Universal fixing kit

For TropiCool TCX 14, TCX 21, TCX 35:
For fastening of TropiCool coolers in vehicles.

Ref. No. 9105303709

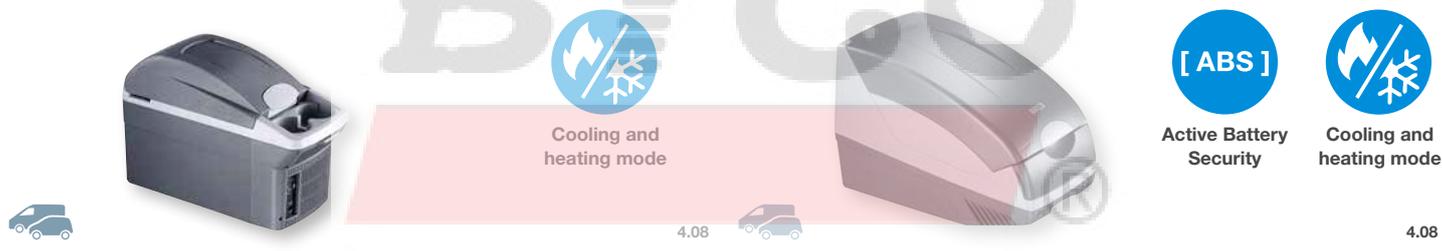
4.01



CAR COOLERS FOR EVERYONE

COMPACT UNITS FOR THE CAR

What was formerly reserved for luxury automobiles is now affordable for everyone. TB 08 and TB 15 provide drivers and passengers with cool snacks and drinks, and they can even keep hamburgers and chips warm. **Placed on the front passenger seat or the centre of the rear seat, they are fastened with the safety belt.**



WAECO BordBar TB 08
Thermoelectric car cooler with cooling and heating function

- **8 litres** capacity, ready for connection to **12 volts**
- Fits 0.33 litre cans and 0.5 litre bottles

Ref. No. 9105302016

WAECO BordBar TB 15
Thermoelectric car cooler with cooling and heating function

- approx. **15 litres** capacity, ready for connection to **12 volts**
- Fits 1.5 and 2 litre bottles

Ref. No. 9105302023

COOL VALUE FOR MONEY!

Shopping, picnic, holiday, beach: the versatile WAECO BordBar AS 25 deals with any outing effectively. High-performance thermoelectrics at a bargain price, ready for use on 12 or 230 volts. Plus it has a 20 litre capacity, a sturdy housing with a textile skin, a shoulder strap, and diverse outside pockets.

WAECO BordBar AS 25
Thermoelectric car cooler with DC/AC auto switch

- **20 litres** capacity, ready for connection to **12/230 volts**
- Cooling up to 18°C below ambient temperature
- Fits 2 litre bottles standing upright
- Two zip-closure pockets, one net pocket, one cable compartment

Ref. No. 9105302816



FRESHNESS FOR THE TAKING

SUPER-COOL, INSIDE AND OUT

Stylish looks in silky champagne colour, cooling performance up to 25°C below ambient: this classic car cooler keeps up with the times. The WAECO BordBar TF 14 fits perfectly on the front passenger seat or one of the seats in the rear. Energy for cooling comes from the cigarette lighter socket. Handy extra: closing outside pockets for small storage and anything that doesn't need cooling.



4.08

NEW! WAECO BordBar TF 14

Thermoelectric car cooler with reinforced insulation

- 14 litres capacity
- Ready for connection to 12 volts
- Vertical space for standing 2 litre bottles
- Cooling up to 25°C below ambient temperature
- Exterior in high-quality Oxford nylon, sides in hard-wearing, rubber-coated nylon

Ref. No. 9105330172



New silky
champagne
look

Mobile cooling

FIT FOR EVERYTHING!

ICEBOXES IN HEAVY DUTY QUALITY

High outside temperatures, uneven terrain, dust and mud? The "indestructible" WAECO iceboxes will take this in their stride. The Cool-Ice boxes are equipped with extremely effective insulation, and once the cool packs or ice cubes have been placed inside, they will keep groceries, fish, bait and wild game fresh. Depending on use and weather conditions, even for several days at a time!

4.14



WAECO Cool-Ice WCI-22

- Storage volume: approx. 22 litres
- Weight: 4.2 kg
- Dimensions (W x H x D):
388 x 313 x 365 mm

Ref. No. 9108400060



WAECO Cool-Ice WCI-42

- Storage volume: approx. 41 litres
- Weight: 7.5 kg
- Dimensions (W x H x D):
635 x 337 x 390 mm

Ref. No. 9108400062

4.14



MY BENEFITS

- USB port for charging mobile devices
- Cooling and heating mode (SC 30 and SC 38)
- 12 volts (SC 26), 12/24 volts (SCT 26) or 12/230 volts (SC 30 and SC 38)
- Three sizes: 25 / 29 / 37 litres
- SC 26 / SC 30: dual-function carrying handle serves to support or lock the lid
- SC 38: with wheels, telescopic handle, split lid and removable partition



230 V



12 V



Cooling and heating mode

ACTIVE COOLING FOR WORK AND LEISURE

“Cool fun” at work and in your spare time – now available in three different sizes and with a USB port in the lid for charging mobile devices. The WAECO CoolFun SC series offers high-performance thermoelectrics at a good price. The practical universal coolers provide active cooling up to 18°C below the ambient temperature, the two larger models will also keep lunch warm if required. Our recommendation for cooling professionals is the SC 38, because it offers an ample storage capacity of 37 litres and many convenient extras: sturdy wheels and a telescopic handle for ease of transport, a flexible interior partition system, and a split lid for minimal cooling loss.

**NEW:
With
USB port**



4.02

NEW! WAECO CoolFun SC 26 / SCT 26

Thermoelectric cooler, carrying handle as lid support or lid lock
SC 26: 12 volts DC, SCT 26: 12/24 volts DC

- Capacity: approx. 25 litres
- Cooling up to 18°C below ambient temperature
- Dimensions (W x H x D): 396 x 394 x 296 mm

SC 26 // Ref. No. 9103501289
SCT 26 // Ref. No. 9103501290



4.02

NEW! WAECO CoolFun SC 30

Thermoelectric cooler, carrying handle as lid support or lid lock,
12 volts DC and 230 volts AC

- Capacity: approx. 29 litres
- Cooling up to 18°C below ambient temperature.
Heats up to + 65°C
- Dimensions (W x H x D): 396 x 444 x 296 mm

Ref. No. 9103501291



4.02

NEW! WAECO CoolFun SC 38

Thermoelectric cooler, with wheels, telescopic handle, split lid and
removable partition, 12 volts DC and 230 volts AC

- Capacity: approx. 37 litres
- Cooling up to 18°C below ambient temperature.
Heats up to + 65°C
- Dimensions (W x H x D): 565 x 391 x 295 mm

Ref. No. 9103501293



Mobile cooling

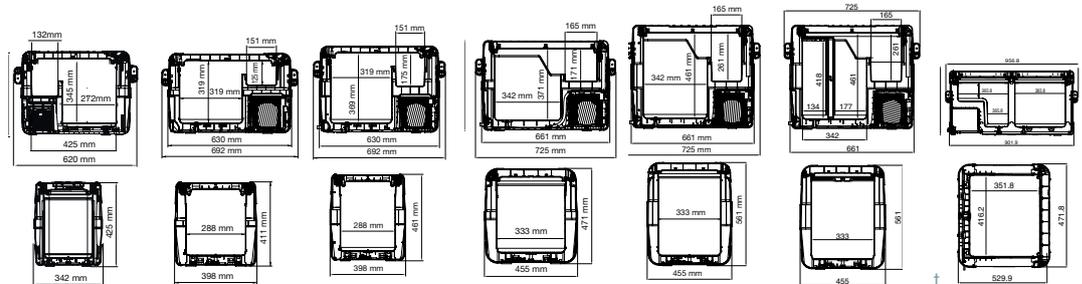


4.30 // WAECO CoolFreeze CFX

Compressor coolers

	CFX 28	CFX 35	CFX 40	CFX 50	CFX 65	CFX 65DZ	CFX 95DZ2
Ref. No.	9105305970	9105304047	9105304048	9105304049	9105304050	9105304051	9105306181
Ref. No. UK	9105306327	9105305645	9105305646	9105305647	9105305648	9105305649	
Storage volume (l, approx.) incl. for fresh food (l)	26 3.5	32 4.5	38 7	46 8.5	60 13	53 13 + 17 freezer	85 50.5 + 34.5*
Connections	12/24 V DC 100-240 V AC						
Temperature range (°C)	+10 to -22						
Power input (watts, approx.)	40	43	48	52	58	50	65
Current consumption (Ah/h) at 12 V at +20°C at +32°C ambient temperature, both at +5°C interior temperature	0.30 0.58	0.32 0.60	0.36 0.64	0.38 0.68	0.42 0.76	0.42 0.76	0.75 1.25
Energy class	A++	A++	A++	A++	A++	A+	A+
Insulation PU foam all around	●						
System	Fully hermetic compressor with integrated control electronics, low-voltage protection/electronic fuse, automatic reverse pole protection, electronic thermostat						
Material	Cabinet: PP + ABS Lid: PE						
Colour	Pale grey / dark grey						
Weight (kg, approx.)	13.1	17.5	18.5	20.4	22.3	23.2	32
Test marks	TÜV/GS, e-certified (Automotive EMC Directive)						
Scope of delivery Removable wire basket	●	●	●	●	●	●	●
Detachable carrying handles	●	●	●	●	●	●	●
Optional extras	<div style="display: flex; justify-content: space-between;"> ⊞ Mains adapter EPS 100, 230 V > 24 V - - - - - - </div> <div style="display: flex; justify-content: space-between;"> ⊞ Mains adapter MPS 35, 110 V – 240 V > 24 V - - - - - - </div> <div style="display: flex; justify-content: space-between;"> ⊞ Fixing kit 9105330252 - - - - - </div> <div style="display: flex; justify-content: space-between;"> ⊞ Wireless display 9105304065 9105304065 9105304065 9105304065 9105304065 9105304065 </div>						

* Two compartments for cooling and freezing with separate controls



4.35 // WAECO CoolFreeze CF

4.10 // WAECO CoolFreeze CDF

4.10 // WAECO CoolFreeze CF

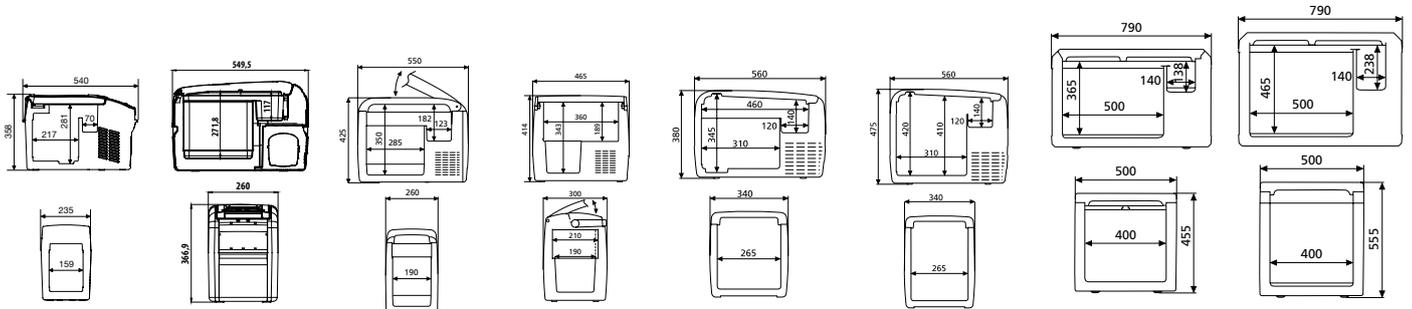


CF 11	CF 16	CF 26	CDF 18	CDF 36	CDF 46	CF 80	CF 110
9105330183	9105330184	9105330185	9105330241	9105330186	9105330187	9105303248	9105303102
10.5 -	15 -	21,5 4	18 -	31 -	39 -	79 7	105 13
12/24 V DC 100-240 V AC	12/24 V DC 100-240 V AC	12/24 V DC 100-240 V AC	12/24 V DC	12/24 V DC	12/24 V DC	12/24 V DC 100-240 V AC	12/24 V DC 100-240 V AC
+10 to -18	+10 to -18	+10 to -18	+10 to -18	+10 to -15	+10 to -15	+10 to -18	+10 to -18
35	35	35	35	45	45	65	65
0.29 0.61	0.21 0.44	0.44 0.67	0.38 0.64	0.75 1.13	0.94 1.31	0.65 1.19	0.76 1.35
A++	A++	A++	-	-	-	A+	A+
•	•	•	•	•	•	•	•

Fully hermetic compressor with integrated control electronics, low voltage protection / electronic fuse, automatic reverse pole protection, electronic thermostat

Cabinet: PP Lid: PE	Cabinet: PP Lid: PE	Cabinet: PP Lid: PE	Cabinet: PP Lid: PE	Cabinet: PP Lid: PE	Cabinet: PP Lid: PE	Cabinet: coated sheet steel, Upper/lower part: PP Lid: PE	Cabinet: coated sheet steel, Upper/lower part: PP Lid: PE
Pale grey / dark grey	Pale grey / dark grey	Pale grey / dark grey	Pale grey / dark grey	Pale grey / dark grey	Pale grey / dark grey	Pale grey / dark grey	Pale grey / dark grey
8.5	9.5	10.5	9.5	17	20	31	33
e-certified (Automotive EMC Directive)				TÜV/GS, e-certified (Automotive EMC Directive)			
-	-	•	-	-	-	•	•
-	-	-	-	-	-	•	•

-	-	-	9102600031	9102600031	9102600031	-	-
-	-	-	9103555825	9103555825	9103555825	-	-
-	9105303708	9105303708	-	9105303708	9105303708	-	-
-	-	-	-	-	-	-	-

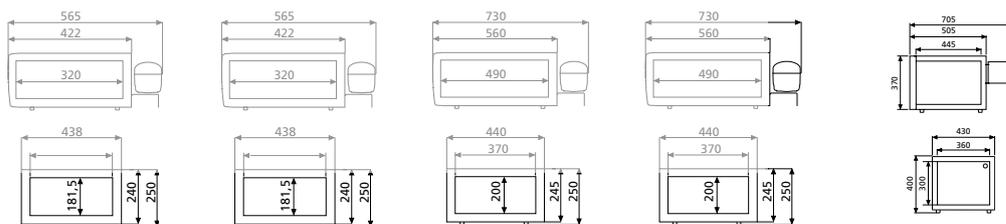


4.10 // WAECO CoolMatic CD 4.05 // WAECO CoolMatic RHD

Vehicle-specific compressor coolers

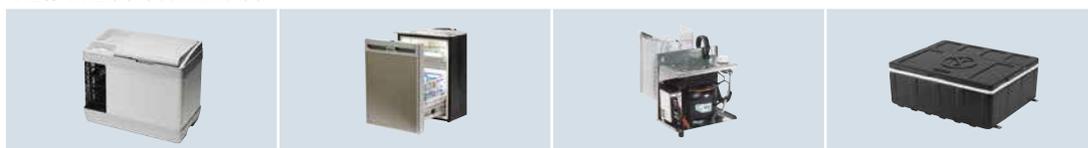


	CD 20 / CD 20W	CD 20S	CD 30 / CD 30W	CD 30S	RHD 50
Ref. No.	9105330080 (black) 9105330081 (white)	9105330148 (stainless steel)	9105330085 (black) 9105330086 (white)	9105330147 (stainless steel)	9105203982
Capacity (l, approx.) including for fresh food (l)	20 -	20 -	30 -	30 -	50 -
Connections (V DC)	12/24	12/24	12/24	12/24	12/24
Temperature range (°C)	+15 to 0	+15 to 0	+12 to -2	+12 to -2	+10 to 0
Power input (watts, approx.)	40	40	40	40	45
Current consumption (Ah/h) at 12 V at +20°C at +32°C ambient temperature, both at +5°C interior temperature	0.67 1.33	0.67 1.33	0.67 1.33	0.67 1.33	0.75 1.50
Insulation PU foam all around	•	•	•	•	•
System	Fully hermetic compressor with integrated control electronics, electronic thermostat, low voltage protection / electronic fuse, automatic reverse pole protection				
Material	Sturdy metal housing, drawer of injection-moulded parts				Coated sheet steel, inside: stainless steel, rear wall: shock-resistant plastic
Colour	CD 20: black CD 20W: black, front white	Black, stainless steel front	CD 30: black CD 30W: black, front white	Black, stainless steel front	Pale grey cabinet; white back panel
Weight (kg, approx.)	16.1	16.1	18	18	21
Test marks	e-certified (Automotive EMC Directive)	e-certified (Automotive EMC Directive)	e-certified (Automotive EMC Directive)	e-certified (Automotive EMC Directive)	TÜV/GS, e-certified (Automotive EMC Directive)
Optional extras					
Mains adapter EPS 100, 230 V > 24 V	9102600031	9102600031	9102600031	9102600031	-
Mains adapter MPS 35 110 V – 240 V > 24 V	9103555825	9103555825	9103555825	9103555825	-
Stainless steel installation frame	9105303901	9105303901	9105303901	9105303901	-
Mounting plate	-	-	-	-	9103540033
Fixing kit (Scania R)	-	-	9102800006	9102800006	-

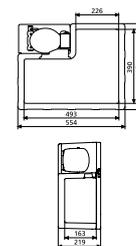
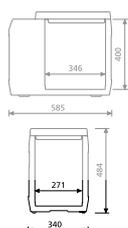


Vehicle-specific compressor coolers

4.12 // WAECO CoolFreeze FC 4.24 // WAECO CoolMatic CRD 4.07 // WAECO ColdMachine CS 4.12 // WAECO CoolMatic CS



	FC 40	CRD 50	CS IV	CS MP2
Ref. No.	9105203983	9105304081	9105304105	9105203765
Capacity (l, approx.) including for fresh food (l)	37.5 -	38.5 6	- -	25 -
Connections (V DC)	12/24	12/24	12/24	12/24
Temperature range (°C)	+5 to -15	+10 to -12	-	+10 to 0
Power input (watts, approx.)	45	40	35	45
Current consumption (Ah/h) at 12 V at +20°C at +32°C ambient temperature, both at +5°C interior temperature	0.86 1.24	1.5 (at 25°C) 1.8	- -	1.13 1.88
Insulation PU foam all around	•	•	-	•
System	Fully hermetic compressors with integrated control electronics, electronic thermostat, low voltage protection / electronic fuse, automatic reverse pole protection			
Material	Cabinet: sheet steel; base, upper cabinet and lid: embossed plastic (polystyrene)	Cabinet: with coated metal frame Interior container door frame: plastic, fittings: stainless steel		Polystyrene cabinet and lid
Colour	Cabinet: pale grey, powder-coated; base, upper cabinet and lid: grey	Cabinet: black Door frame: silver Decor panel: matt-silver (brushed stainless steel appearance)		Outside cabinet dark grey; inside cabinet pale grey
Weight (kg, approx.)	18	20	8	12.5
Compliance	e-certified (Automotive EMC Directive)	TÜV/GS, e-certified (Automotive EMC Directive)	e-certified (Automotive EMC Directive)	e-certified (Automotive EMC Directive)
Optional extras				
Mains adapter EPS 100, 230 V > 24 V	9102600031	-	-	-
Mains adapter MPS 35 110 V - 240 V > 24 V	-	9103555825	-	-
Standard installation frame	-	9105303880	-	-
Fixing kit	9103540122	-	-	-



4.01 // WAECO TropiCool TC

4.36 // WAECO TropiCool TCX

4.02 // WAECO CoolFun

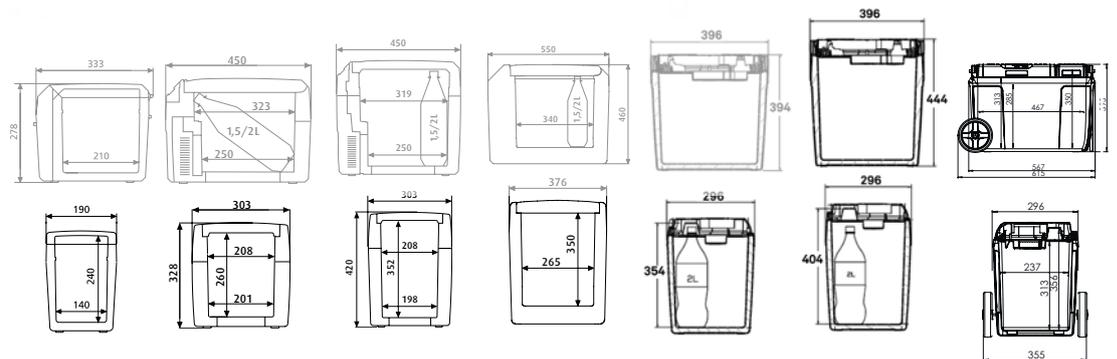
Thermoelectric coolers



	TC 07	TCX 14	TCX 21	TCX 35	SC 26 / SCT 26	SC 30	SC 38
Ref. No.	9105302036	9105330180	9105330181	9105330182	9103501289 9103501290	9103501291	9103501293
Ref. No. UK	9105303473	9105330317	9105330318	9105330319			
Storage volume (l, approx.)	7	14	20	33	25	29	37
Connections	12 V DC/ 230 V AC	12/24 V DC/ 230 V AC	12/24 V DC/ 230 V AC	12/24 V DC/ 230 V AC	SC 26: 12 V DC SCT 26: 12/24 V DC	12 V DC/ 230 V AC	12 V DC/ 230 V AC
Consumption at 12 volts DC (watts) at 24 volts DC (watts) at 230 volts AC (watts)	36 - 40	46 50 64	46 50 64	46 50 64	47 - -	47 - 55	47 - 55
Energy class	-	A++	A++	A++	-	A+++	A++
Temperature range Cooling below ambient temperature (°C, approx.) Heating	max. 25 +65	max. 30 +50 to +65	max. 30 +50 to +65	max. 30 +50 to +65	max. 18 -	max. 18 +65	max. 18 +65
Insulation PU foam all around	•	•	•	•	Neopor	Neopor	PU
System Thermoelectric (Peltier system)	•	•	•	•	•	•	•
Material	Injection moulded parts	Injection moulded parts	Injection moulded parts	Injection moulded parts	PP	PP	PP
Colour	Dark grey / pale grey						
Weight (kg, approx.)	2.8	5.0	6.0	10.0	3.7	4.0	5.3
Test marks	TÜV/GS, e-certified (Automotive EMC Directive)						

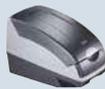
Optional extras

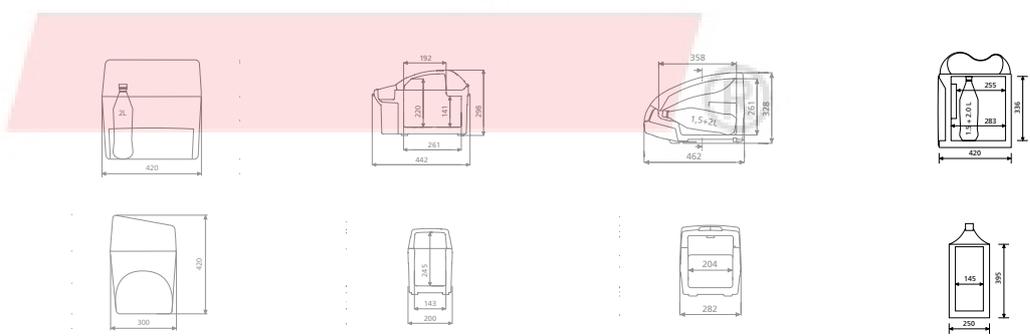
Universal fixing kit	-	9105303709	9105303709	9105303709	-	-	-
Mains adapter EPS 817, 230 V AC > 12 V DC	-	-	-	-	9102600030	-	-



4.08 // WAECO BordBar

Thermoelectric car coolers

				
	AS 25	TB 08	TB 15	TF 14
Ref. No.	9105302816	9105302016	9105302023	9105330172
Capacity (l, approx.)	20	8	15	14
Connections	12 V DC/ 230 V AC	12 V DC	12 V DC	12 V DC
Consumption at 12 volts DC (watts)	36	32	40	36
at 24 volts DC (watts)	-	-	-	-
at 230 volts AC (watts)	40	-	-	-
Energy class	A++	-	-	-
Temperature range Cooling below ambient temperature (°C, approx.)	max. 18	max. 20	max. 20	max. 25
Heating (°C, approx.)	-	+65	+65	-
Insulation PU foam all around	•	ISOFOAM	•	•
System Thermoelectric (Peltier system)	•	•	•	•
Material		PP	ABS	Textile cover in high-quality Oxford nylon, sides in hard-wearing, rubber-coated nylon
Colour		Anthracite/grey	Dark grey/ pale grey	Champagne/ black
Weight (kg, approx.)	4.3	3.2	5.2	4.6
Test marks		TÜV/GS, e-certified (Automotive EMC Directive)		
Optional extras				
Mains adapter EPS 817, 230 V AC > 12 V DC	-	9102600030	9102600030	9102600030
Voltage monitor, 12 V, 5 A	-	9105303854	9105303854	9105303854



Electronic accessories for coolers



CoolPower EPS 817

Mains adapter for connecting thermoelectric 12-volt cooling appliances to the 230-volt mains

Ref. No.	9102600030		
Input voltage	230 V AC / 50 Hz	Dimensions (W x H x D)	115 x 65 x 170 mm
Output voltage	13 V DC	Weight (kg)	0.6
Continuous load	6 A	Test marks	GS

SAMPLE POWER FOR YOUR CONVENIENCE



SAMPLE POWER

ENERGY SYSTEMS



Sine wave inverters	112
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Lithium ion battery/Energy management	130
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A firm hold on power supply

Whatever is fun and brings comfort, needs energy and this is often in limited supply when you are on the road. Skill and foresight are called for to use the capacity of the on-board supply and external energy sources optimally. Mobile energy systems will provide you with the support you need. They ensure that you'll have the power your appliances need even in remote locations.



INTELLIGENT ENERGY MANAGEMENT WITH PROFESSIONAL ELECTRONIC ACCESSORIES

From battery chargers with inverters to mobile energy supply

Enjoy the same comforts on the move as you have at home, mobile electronics from Dometic WAECO can make this possible. Everything from inverters to voltage converters and generators – it's all there for your convenience, and now even more powerful and easier to install. A real plus of the SinePower sine wave inverters are the high peak outputs and the PerfectCharge IU0U chargers significantly reduce the charge times.



Inverters

WAECO SinePower WAECO PerfectPower

Versions from 100 – 3500 watts. The lightweight sine wave inverters are an optimal choice for sensitive consumers with high starting currents. Tried-and-tested inverter models which provide modified sine wave voltage complete the product range.



P. 112

Battery chargers

WAECO PerfectCharge MCP

Battery charging has never been this easy! The new charger automatically adapts to the battery's charging condition.



P. 118

Battery chargers

WAECO PerfectCharge MCA

The latest charging technology, ultra-compact design: WAECO PerfectCharge MCA automatic battery chargers are small, lightweight and very easy to install.



P. 122

Voltage converters

WAECO PerfectPower DCDC

Inexpensive, ultra-compact voltage converters in switch mode design. Premium inverters with electrically isolated input and output voltage for sensitive electronic appliances.



P. 126

Charging converters

WAECO PerfectCharge DC

High quality charging converters for fast and gentle charging of supply batteries while driving. Also suitable as voltage stabilisers for sensitive high-tech appliances.



P. 124

Generators

Dometic generators

Dometic's mobile generators ensure reliable power supply wherever mains power is unavailable.



P. 128



INVERTERS FROM XS TO XXL MOBILE "POWER SOCKETS"

Whether it's a car, truck or van – it makes sense to have 230 volts on board your vehicle.

It enables you to use all the electrical gadgets it takes to feel more comfortable on the road. The problem is many of these gadgets work on 230 volt sockets. A possible power source is the on-board system – the vehicle battery or a leisure battery.

But how do you turn 12 or 24 volts DC voltage into 230 volts AC voltage? Quite simply: by using a WAECO inverter. The comprehensive range of inverters has been tailored to suit a variety of applications. It takes in to account all your needs – regardless of whether you just want an inexpensive compact charger for your mobile phone, or a truck compliant inverter to run your microwave oven or espresso machine. All units feature outstanding quality and a contemporary, user-friendly design.

MINIMAL POWER REQUIREMENTS FOR SOME ELECTRICAL APPLIANCES

Device	Power	Quality of the output voltage
Coffee maker (filter)	800 – 1500 watts	Modified sine wave voltage
Coffee maker (pads)	1200 – 1600 watts	Pure sine wave voltage
Espresso machine	1200 – 1600 watts	Pure sine wave voltage
Microwave	1000 – 1600 watts	Pure sine wave voltage
Toaster	1000 – 1500 watts	Modified sine wave voltage
Electric kettle	1000 – 1500 watts	Modified sine wave voltage
Reading lamp	50 – 100 watts	Modified sine wave voltage
Energy-saving bulb	10 – 20 watts	Pure sine wave voltage
Fluorescent tubes	50 – 100 watts	Pure sine wave voltage
Audio/video device	100 – 200 watts	Pure sine wave voltage
Laptop computer	100 – 200 watts	Pure sine wave voltage
Power drill/circular saw	500 – 1500 watts	Modified sine wave voltage
Vacuum cleaners	1000 – 1600 watts	Modified sine wave voltage
Electric toothbrush	50 watts	Pure sine wave voltage

Example:

- Largest appliance on board is a toaster with 1400 watts
- The technically most demanding appliance is an electric toothbrush with 50 watts output

Our recommendation:

A sine wave inverter with at least 1400 watts:
WAECO SinePower MSI 1812(T)

Alternatively:

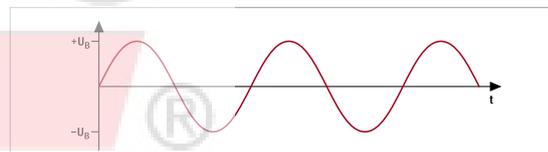
WAECO PerfectPower PP2002 for the toaster and an additional sine wave inverter SinePower MSI 212 for the toothbrush

PURE OR MODIFIED SINE WAVE VOLTAGE

Pure sine wave voltage

The voltage is precisely controlled by a microprocessor. The result: a clean sine wave voltage, like that from a home power socket

- WAECO SinePower sine wave inverters (p. 112 – 113)

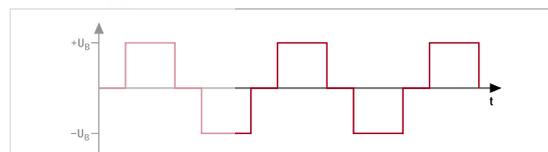


Modified sine wave voltage

The voltage produces a stepped curve simulating a pure sine wave.

The result: an output voltage of stable amplitude and frequency

- WAECO PerfectPower inverters (p. 114 – 115)

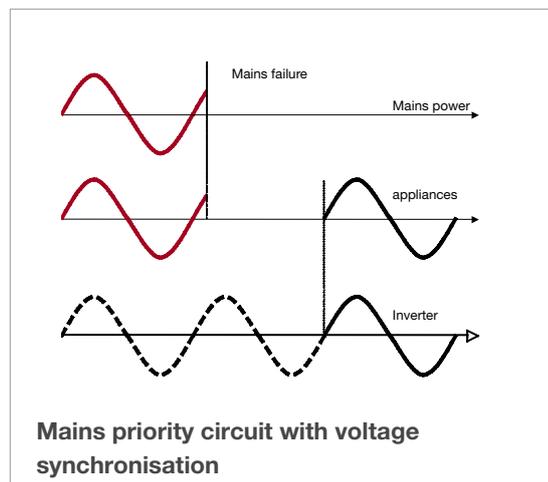


WHAT ARE THE BENEFITS OF A MAINS PRIORITY CIRCUIT WITH VOLTAGE SYNCHRONISATION?

All larger inverters in the WAECO PerfectPower series feature an integrated mains priority circuit. This automatically switches the inverter voltage to mains power as soon as it is available. Consequently, the inverter is switched off and the battery saved as soon as your vehicle has access to an external mains supply.

A technical highlight featured by all versions of the WAECO SinePower with 1800 watts or higher as series-standard or as an optional extra. This is why: many 230 volt consumer units depend on an uninterrupted power supply when connected.

Moreover, it is vital to ensure a smooth voltage switchover. This is exactly what the sine wave inverters provide. In these units, the inverter voltage is synchronised to match the mains voltage, and the switchover takes place in a fraction of a second.



WAECO SINEPOWER

SINE WAVE INVERTERS WITH VERY HIGH PEAK OUTPUTS

Mains priority circuit and CAN bus interface as options

SinePower sine wave inverters turn 12 or 24 volt battery voltage into pure 230 volt AC voltage, like that from a home power socket. This ensures trouble-free mobile operation of all 230 volt appliances, even highly-sensitive appliances (e.g. computers, PAD coffee machines, electric toothbrushes etc).

A unique quality feature of the WAECO inverters is the extraordinarily high peak output rating. The devices feature a sufficient bias, allowing them to effortlessly supply the high start-up currents of any consumer units connected. Other benefits: simple installation, ultra-compact design, lightweight – the inverters are easy to accommodate even in cramped conditions.



3.30

WAECO SinePower MSI 212 / MSI 224

- **Continuous output: 150 W**
- **Peak output: 300 W**
- 12 or 24 volt cigarette lighter plug

MSI 212 // 12 volts // Ref. No. 9102600124 // UK 9102600139
MSI 224 // 24 volts // Ref. No. 9102600125 // UK 9102600140

3.30

WAECO SinePower MSI 412 / MSI 424

- **Continuous output: 350 W**
- **Peak output: 700 W**

MSI 412 // 12 volts // Ref. No. 9102600126 // UK 9102600141
MSI 424 // 24 volts // Ref. No. 9102600127 // UK 9102600142



Optimal accessibility: socket on the top of the device



Remote control available as accessory

see p. 132





MODELS WITHOUT MAINS PRIORITY CIRCUIT

If you don't require a mains priority circuit you can choose from three particularly cost efficient SinePower models. If necessary, the priority circuit is easy to retrofit (available as an accessory).



3.30

3.30

WAECO SinePower MSI 912 / MSI 924

- Continuous output: 900 W
- Peak output: 1600 W

MSI 912, 12 V // Ref. No. 9102600111 // UK 9102600033
MSI 924, 24 V // Ref. No. 9102600112 // UK 9102600034

WAECO SinePower MSI 1312 / MSI 1324

- Continuous output: 1300 W
- Peak output: 2400 W

MSI 1312, 12 V // Ref. No. 9102600113 // UK 9102600035
MSI 1324, 24 V // Ref. No. 9102600114 // UK 9102600036

3.30

WAECO SinePower MSI 1812 / MSI 1824

- Continuous output: 1800 W
- Peak output: 3200 W

MSI 1812, 12 V // Ref. No. 9102600115 // UK 9102600037
MSI 1824, 24 V // Ref. No. 9102600116 // UK 9102600038

Priority circuit for MSI 912 / 924 / 1312 / 1324

- For all inverters up to 1800 watts
- Designed for voltage distribution in vehicles with two potential power sources

Ref. No. 9103556043

MODELS WITH MAINS PRIORITY CIRCUIT

All SinePower model versions with a capacity of 1800 watts or more feature a mains priority circuit with voltage synchronisation, the 2300/3500 watt models additionally feature a bus interface.



3.30



3.30



3.30

WAECO SinePower MSI 1812T / MSI 1824T

- Continuous output: 1800 W
- Peak output: 3200 W

MSI 1812T, 12 V // Ref. No. 9102600117
UK 9102600039
MSI 1824T, 24 V // Ref. No. 9102600118
UK 9102600040

WAECO SinePower MSI 2312T / MSI 2324T

- Continuous output: 2300 W
- Peak output: 4000 W

MSI 2312T, 12 V // Ref. No. 9102600119
UK 9102600041
MSI 2324T, 24 V // Ref. No. 9102600120
UK 9102600042

WAECO SinePower MSI 3512T / MSI 3524T

- Continuous output: 3500 W
- Peak output: 6000 W

MSI 3512T, 12 V // Ref. No. 9102600121
UK 9102600043
MSI 3524T, 24 V // Ref. No. 9102600122
UK 9102600044

150 TO 550 WATTS: INVERTERS WITH MODIFIED SINE WAVE VOLTAGE

Three smaller inverters with continuous output ratings up to 550 watts form the basis of the WAECO PerfectPower series. They turn 12 or 24 volt battery voltage into a sine wave like 230 volt alternating voltage, which is sufficient for a multitude of applications. This high-quality generation of inverters demonstrates great potential. Take installation for instance: adjustable clip-on mounts allow for adaptation to individual installation conditions. For those looking for extra convenience and prefer activating their inverter from the dashboard, there is an additional outlet for an external switch.



MY BENEFITS

- Suitable for appliances with PFC control
- Reverse pole protection by exchangeable fuses
- External on/off switch
- Individually adjustable clip-on mounts
- 12 or 24 volt cigarette lighter plug (PerfectPower PP 152 / PP 154)

WAECO PerfectPower
PP 152



Front:
Earthed safety socket and LEDs for function check



Mounting aid:
Individually adjustable clip-on mounts



Back:
On/off switch and outlet for an external on/off switch

3.18

WAECO PerfectPower PP 152 / PP 154

- Continuous output: 150 W
- Peak output: 350 W
- 12 or 24 volt cigarette lighter plug

PP 152 // 12 volts // Ref. No. 9105303791
Ref. No. UK 9105303792
PP 154 // 24 volts // Ref. No. 9105303794
Ref. No. UK 9105303795

3.18

WAECO PerfectPower PP 402 / PP 404

- Continuous output: 350 W
- Peak output: 700 W

PP 402 // 12 volts // Ref. No. 9105303796
Ref. No. UK 9105303797
PP 404 // 24 volts // Ref. No. 9105303799
Ref. No. UK 9105303800

3.18

WAECO PerfectPower PP 602 / PP 604

- Continuous output: 550 W
- Peak output: 1100 W

PP 602 // 12 volts // Ref. No. 9105303801
Ref. No. UK 9105303802
PP 604 // 24 volts // Ref. No. 9105303804
Ref. No. UK 9105303805

HIGH-PERFORMANCE INVERTERS WITH MODIFIED SINE WAVE VOLTAGE

As real power burners, any filter coffee machines, toasters or vacuum cleaners on board can only be operated using a generously dimensioned inverter they do not need pure sine wave voltage. They also function perfectly when powered by a sine like 230 volt AC voltage, which is what the two high-performance inverters from the WAECO PerfectPower series generate. Apart from premium quality, they also provide the user with innumerable convenient features. Mains priority circuit and soft-start, for example, which will even give power appliances a gentle jump start. This is in addition to cable organisers, exhaust air adapters, outputs for remote control and external switches as well as adjustable mounts.



MY BENEFITS

- Integrated mains priority circuit
- High peak output for especially powerful appliances
- Overload and short-circuit protection
- External on/off switch
- Output for remote control
- Individually adjustable clip-on mounts

3.18

WAECO PerfectPower PP 1002 / PP 1004

- Continuous output: 1000 W
- Peak output: 2000 W

PP 1002 // 12 volts // Ref. No. 9102600002 // UK 9102600003
PP 1004 // 24 volts // Ref. No. 9102600028 // UK 9102600004

3.18

WAECO PerfectPower PP 2002 / PP 2004

- Continuous output: 2000 W
- Peak output: 4000 W

PP 2002 // 12 volts // Ref. No. 9102600027 // UK 9102600005
PP 2004 // 24 volts // Ref. No. 9102600029 // UK 9102600006

3.30

Remote control MCR-9

- W x H x D: 58 x 72 x 28 mm
- Weight: 40 g
- Cable length: 7.5 m

Ref. No. 9102600026



Nice and neat: all cables on the back



Front with input and mains input fuse

More accessories on page 132



CARING FOR BATTERIES CHARGING, CONDITIONING, CARE

A long service life and always the full capacity: The dream of an eternal vehicle battery is reality now. ®

The battery conditioner PerfectBattery BC 100 maintains 12 volt lead batteries by gently simulating driving. As a result, the full capacity can be maintained even after longer periods of standstill. The conditioner can also be used as a charger or back-up power supply.

The battery refresher PerfectBattery BR 12 prevents sulphate build-up, the cause for premature battery ageing and failure. It treats the battery to a regular training to multiply its service life. Even apparently defective batteries can be reactivated.



3.28

WAECO PerfectBattery BC 100

Battery conditioner

Keeps 12 volt lead batteries in prime condition over longer periods of standstill, also serves as a battery charger or takes over the power supply when the starter battery is being replaced.

- Conditions batteries with a capacity from 10 to 150 Ah
- Charges batteries with a capacity from 10 to 30 Ah
- Can also be used as back-up power supply



Ref. No. 9102500044



MY BENEFITS:

- A longer life for 12 volt lead batteries
- Maintains the full charging capacity for several years
- Prevents cold start problems
- Reduces hazardous waste
- Ideal for seasonal vehicles (vintage cars, motorbikes, motorhomes, boats)

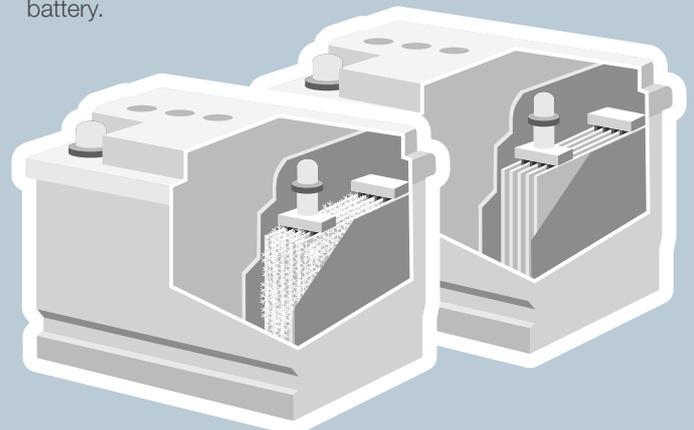


SULPHATE BUILD-UP – THE INSIDIOUS POISON TO YOUR BATTERY

Sulphate build-up leads to premature failure of lead batteries, because it reduces the effective surface of the battery plates.

Result: the capacity decreases and with it the starting ability. A battery charger won't help in this situation. Given the reduced plate surface, the battery will be unable to take up sufficient power.

The battery refresher tackles the problem at the roots: it removes the sulphate crystals that have built up on the plates and prevents the formation of new ones. The effective plate surfaces increase again and the charging capacity of the battery.



3.28

WAECO PerfectBattery BR 12

Battery refresher

Prevents premature battery failure caused by sulphate build-up and reactivates apparently dead batteries.

- Simply connected to the battery's minus and plus poles
- Multiplies the battery's service life by reducing sulphate build-up
- Reactivates apparently defective batteries

Ref. No. 9103556045



MY BENEFITS:

- For all common types of batteries
- Process controlled, optimised charging characteristics, automatically adapts to the battery's charging condition
- Advanced 8-step charging characteristics
- Self-explanatory one-button operation
- High-quality connectors from the automotive industry
- Especially suitable for vehicles with start-stop technology
- Integrated cable management
- Supplied with a vast range of accessories: 12-volt cigarette lighter cable, cable with battery clamps, cable with lug terminals
- Separate, independent battery indicator and practical wall bracket available as accessories

MOBILE 12-VOLT BATTERY CHARGERS

SIMPLE CHARGING

Speed and accuracy are the hallmarks of the new 12-volt premium chargers in the WAECO PerfectCharge MCP series. In addition to charging, they can also be used for power supply jobs in the workshop.

Designed for **convenient one-button** operation, they feature a microprocessor controlled, 8-step charging curve that even gives start-stop batteries an optimal charge.

The delivery kit also includes a 12-volt cable which can be used to recharge flagging batteries from the cigarette lighter socket. A practical wall bracket holding the charger, the cables and up to four battery indicators keeps the compact gadgets ready to hand.



3.16

NEW! WAECO PerfectCharge MCP 1204

Battery charger 12 volts / 4 amps

- Mobile 12-volt battery charger
- Specially suitable for start-stop batteries
- One-button operation
- 8-step charging characteristics

Ref. No. 9102500070 **Not suitable for the UK!**

3.16

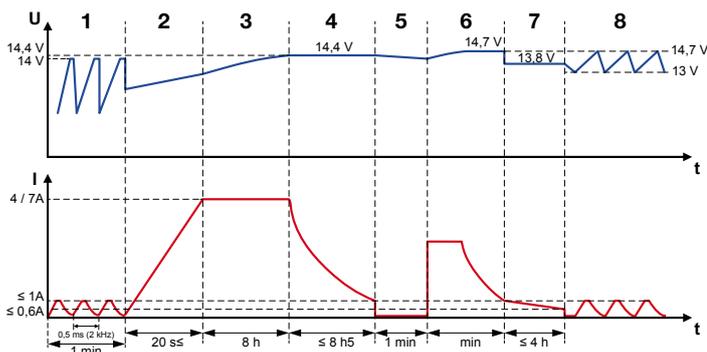
NEW! WAECO PerfectCharge MCP 1207

Battery charger 12 volts / 7 amps

- Mobile 12-volt battery charger
- Specially suitable for start-stop batteries
- One-button operation
- 8-step charging characteristics

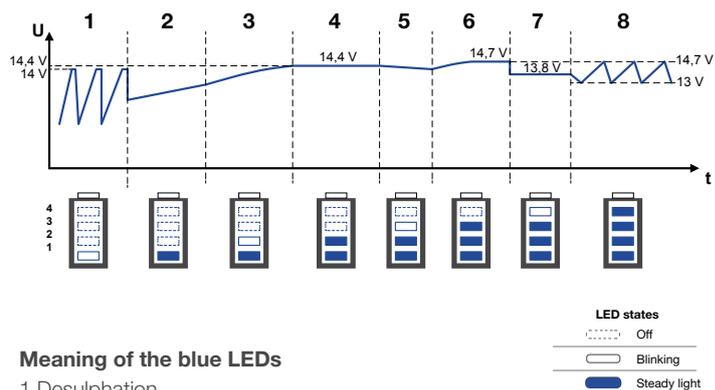
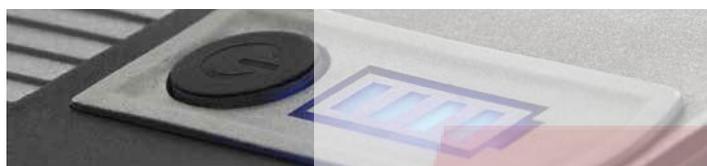
Ref. No. 9102500071 **Not suitable for the UK!**

ADVANCED 8-STEP CHARGING CHARACTERISTICS



For all common types of batteries: 8-step charging characteristics

Tip: Ideal especially for calcium based start-stop batteries which are designed for tough loads and require an adapted charging process. The MCP charger range offers the optimal charging characteristics for this battery type and prevents all kinds of charging problems!



Meaning of the blue LEDs

- 1 Desulphation
- 2 Soft-start: charging capacity is checked by the current consumption
- 3 I phase: empty battery is charged at a constant current.
- 4 U0 phase: voltage is maintained at a constant level until the battery is fully charged
- 5 Analyse: the battery's charge maintenance is checked.
- 6 Re-conditioning: voltage is increased again to generate a controlled gas formation process in the battery.
- 7 U phase: battery charger switches to float charging.
- 8 Maintenance: battery charge is monitored and recharged if required.

OPTIONAL BATTERY INDICATOR AND WALL BRACKET

Indispensable for a quick battery check: the compact battery indicator WAECO PerfectCharge BI 01 is also designed for **one-button operation**. It has a dedicated output for the WAECO battery chargers MCP 1204 and MCP 1207. Four LEDs indicate the charging condition of the connected lead acid battery in 25% steps. The indicator can be permanently fitted in the vehicle or used as a mobile tool, e.g. to check the batteries of **exhibition vehicles** or **seasonal vehicles**.

4 LEDs indicate the charging status in 25% steps



3.16

NEW! WAECO PerfectCharge BI 01

Battery indicator

- Battery capacity display
- Indicates the charging status in 25% steps

Ref. No. 9102500078



3.16

NEW! Wall bracket

Wall bracket for PerfectCharge MCP chargers

- For MCP charger, cable and up to four battery indicators

Ref. No. 9102500079

WAECO PocketPower

When your laptop or camera battery goes and dies when you are on the road, just recharging it! The very reasonably priced mini inverter SI 102 is suitable for 12-volt vehicle batteries, supplying small consumer units with a sine wave like AC voltage.

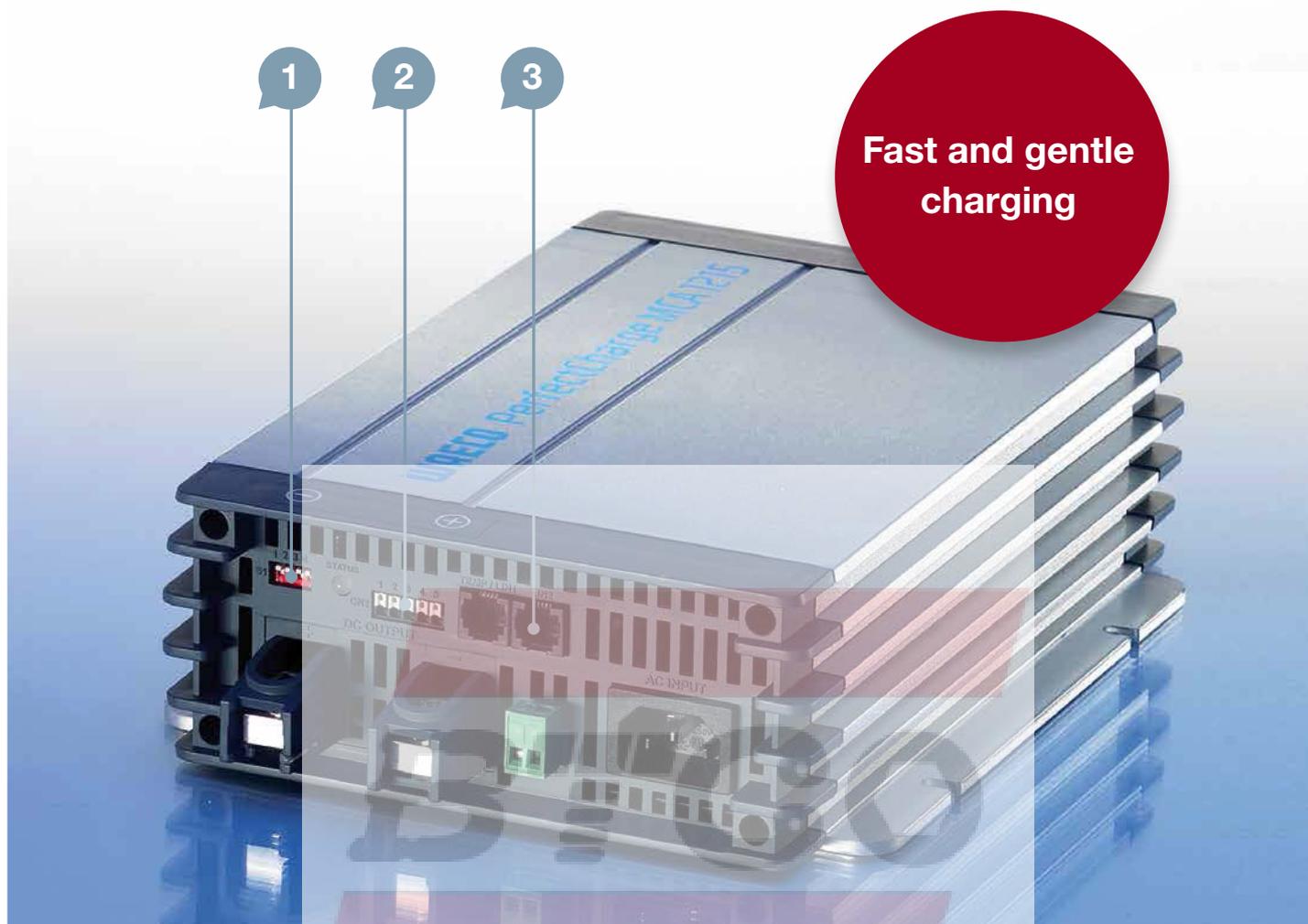
Not available in the UK!



WAECO PocketPower SI 102

- Modified sine wave voltage
- Continuous output: 100 watts
- Peak output: 200 watts
- Mounting bracket, euro socket
- Weight: 282 g
- W x H x D: 67 x 43 x 125 mm

Ref. No. 9105303816



TOP OF THE CHARGING TECHNOLOGY CLASS

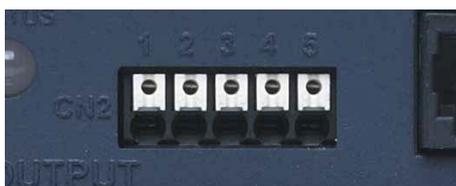
PERFECT IN EVERY DETAIL!

Once again, our electronics specialists have succeeded in developing a battery charger generation that sets standards in the market and points where the future is heading. It could not be gentler on the battery, while being equipped for every application, it is easy to use and boasts a variety of convenience functions – what more could you want?



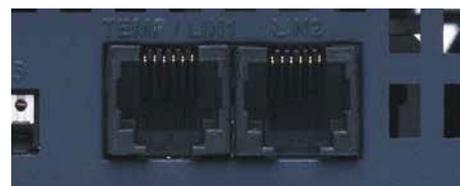
1 DIP switch

Four dip switches allow the optimum charging characteristics for the battery type connected (gel, AGM or wet battery) to be configured. Switchover and float voltage can be set in accordance with the battery manufacturer's specifications.



2 Digital interface

Interface for connecting an external functional control or an external switch, which can be used to switch the charger into sleep mode, for example.



3 Two bus interfaces as series standard

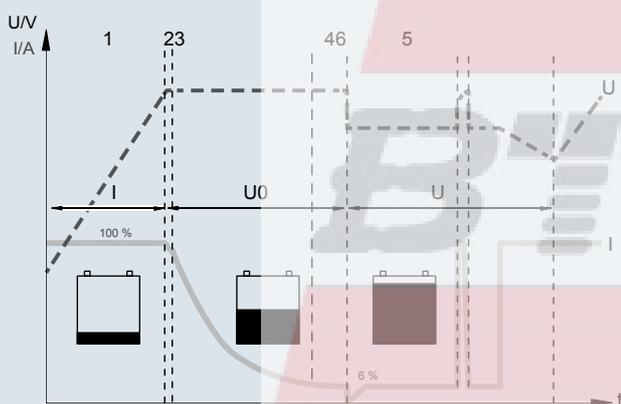
This makes WAECO PerfectCharge battery chargers optimally prepared for all current and future innovations in the automotive industry. Their bus compatibility makes connecting a battery sensor or integrating them into a management system particularly easy.

IU0U CHARGERS BY WAECO

GIVE YOUR BATTERIES A LONGER LIFE!

Starter batteries and supply batteries are designed for different tasks. To start the engine, starter batteries must initially supply a high current level and will then serve as an energy buffer with smaller partial cycles. Supply or on-board batteries, in contrast, are discharged at lower current levels over longer periods of time and then charged again. This means they are subjected to considerably higher loads. These special features must be considered by the charging technology to protect the batteries from damage and ensure they have a long service life. The new IU0U battery chargers from WAECO PerfectCharge function using a unique six-stage charging cycle. They provide optimum charging for all gel, AGM and wet batteries, because they charge quickly and gently at the same time.

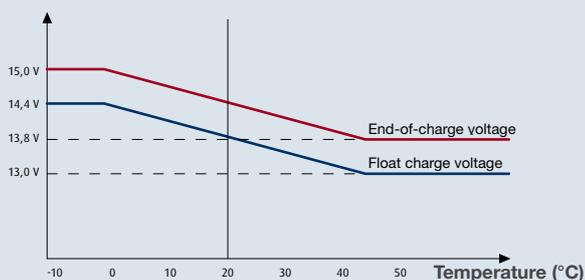
IU0U CHARGING CHARACTERISTICS



6-stage IU0U charging characteristics

- 1 **I phase:** The discharged battery is charged with constant current until the battery voltage reaches the charge voltage.
- 2 - 4 **U0 phase:** 3-stage absorption charging phase with constant voltage (U0). The battery charge is determined within the first two minutes, after which the main charging phase follows. This ends when the battery is fully charged or the charge current is less than 1.5 A for 15 mins.
- 5 **U-phase:** The charger switches over to float charging.
- 6 **Conditioning:** Every 12 days, the charger switches back into phase 1 to revitalise the battery and prevent sulphate build-up.

TEMPERATURE COMPENSATION



Temperature sensor/battery sensor

They are recommended when charging in highly varying or extreme ambient temperatures. This is because battery temperature determines the optimum charge voltage. This is reduced at high temperatures (battery gassing prevention), and increased accordingly at low temperatures (improved full charging).

Along with the temperature, the battery sensor determines other values which help the battery charger to optimise the charge process (battery terminal voltage, charge current, charge status). Voltage losses from the charge cables can therefore be compensated.

COMPACT, LIGHTWEIGHT, FAST TO INSTALL 6-STAGE IU0U AUTOMATIC CHARGERS

PerfectCharge MCA battery chargers charge particularly gently and are optimally equipped for future innovations in the automotive sector. They are just as easily integrated into the battery management system Dometic MPC 01, which optimises the charging process and reduces the charging time by up to 30%. Thanks to a series-standard bus interface, they harmonise perfectly in existing bus systems. With their lightweight, ultra-compact design and practically placed screw connections, the favourably priced chargers can be installed quickly and hassle-free. Their suitability for use all over the world makes them ideal for frequent and worldwide travellers. They feature an input voltage range of 110 – 230 volts and even charge reliably when the input voltage drops.



MY BENEFITS

- Very compact design, lightweight
- Series-standard bus interface
- 6-stage IU0U charging characteristics optimised for charging wet, gel and AGM batteries
- Compatible with the battery manager Dometic MPC 01
- Sleep mode function for quiet charging with half the charge power – e.g. at night or in parking spaces with low electrical circuit protection
- Remote control, Hella battery sensor and temperature sensor available as accessories



Our tip!

Enhance your WAECO PerfectCharge IU0U battery charger with customised accessory solutions and benefit from the perfection of your charging technology!

3.16

Accessories for PerfectCharge

Temperature sensor MCA-TS1 // Ref. No. 9102500036
 Hella sensor MCA-HS1 for 12 volts // Ref. No. 9102500038
 Remote control MCA-RC1 // Ref. No. 9102500037

'Intelligent' battery sensor

They are recommended when charging in highly varying or extreme ambient temperatures. This is because battery temperature determines the optimum charge voltage. This is reduced at high temperatures (battery gassing prevention), and increased accordingly at low temperatures (improved full charging). Besides the temperature, the battery sensor acquires other data for optimising the charging process (battery pole voltage, charge current, charge state). This helps compensate voltage drops in the charging cables.



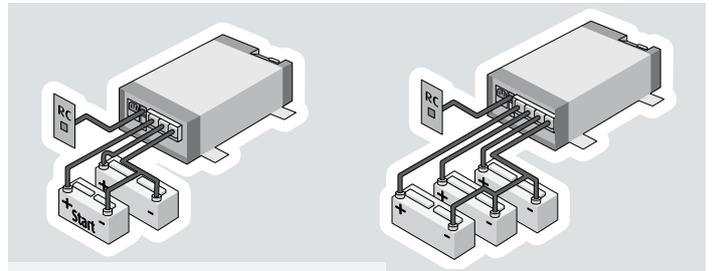
WAECO PERFECTCHARGE CHARGERS – THE BEST CHOICE FOR YOUR BATTERIES

Why fully charging the battery regularly is important

Because there is no better way of caring for your batteries. It is a power accumulator with limited capacity which must recover 100% of the energy removed from it. Insufficient recharging will result in sulphate build-up and therefore premature battery ageing. The PerfectCharge IU0U battery chargers ensure batteries are charged fully to 100%. This, and the associated care, is something you should treat your battery to at least once a month.

Simultaneous charging of several batteries

When two or more batteries are used independently of one another, the load on them will be different. They are then recharged accordingly by the PerfectCharge models which feature two or three charge outputs. While charging, the weaker battery is initially brought to the same charge level as the fuller one. Both, or all three, batteries are then charged at the same voltage level until the end of the charging process.



3.16

WAECO PerfectCharge	MCA 1215	MCA 1225	MCA 1235	MCA 1250	MCA 1280
Charging	1 battery + starter battery 230 V · 12 V	2 batteries + starter battery 230 V · 12 V	2 batteries + starter battery 230 V · 12 V	3 batteries 230 V · 12 V	3 batteries 230 V · 12 V
Battery outputs	1 + 1 A output for a starter battery	2 + 1 A output for a starter battery	2 + 1 A output for a starter battery	3	3
Recommended battery capacity	40 – 170 Ah	75 – 300 Ah	100 – 400 Ah	150 – 600 Ah	200 – 800 Ah
Max. charging current	15 A	25 A	35 A	50 A	80 A
Weight	approx. 1.6 kg	approx. 1.7 kg	approx. 1.9 kg	approx. 3.1 kg	approx. 4 kg
Ref. No.	9102500027	9102500028	9102500029	9102500030	9102500031
Ref. No. UK	9102500046	9102500047	9102500048	9102500049	9102500050

WAECO PerfectCharge	MCA 2415	MCA 2425	MCA 2440
Charging	2 batteries 230 V · 24 V	3 batteries 230 V · 24 V	3 batteries 230 V · 24 V
Battery outputs	2	3	3
Recommended battery capacity	40 – 170 Ah	75 – 300 Ah	100 – 400 Ah
Max. charging current	12.5 A	25 A	40 A
Weight	approx. 1.6 kg	approx. 2.9 kg	approx. 3.9 kg
Ref. No.	9102500032	9102500033	9102500034
Ref. No. UK	9102500051	9102500052	9102500053

IU CHARGING CONVERTERS

BATTERY CHARGING WHILE DRIVING

Voltage stabilisation for sensitive 12 volt devices



Many vehicle owners expect the electric generator to completely recharge the supply batteries during the drive. When the battery is beginning to fail, however, they quickly realise it often doesn't work that way. The reason is insufficient cabling too small in cross section. The WAECO PerfectCharge IU charging converter solves this problem and ensures optimal charging during the drive.

Available in three performance categories.



WAECO PerfectCharge

The IU charging converter is simply integrated into the wiring of the starter and supply batteries. Raising the charging voltage to 14.2 volts, it ensures optimal charging during the drive.

The converter can be switched on or off by an external control signal, e.g. the D+ from the generator or a 12 volt switch. Moreover, the charging converter stabilises the voltage supply. This makes it ideal for sensitive 12 volt appliances (e.g. navigation systems, LCD monitors), which require a constant and stable voltage.

To benefit from the stabilising effect, the IU charging converter is integrated into the supply cord of the appliances. The unit compensates for over- and under voltage in a range between 8 – 16 volts, therefore preventing failure of or damage to the appliance.

IDEAL FOR CHARGING THE SUPPLY BATTERY WHILE DRIVING



Our tip!

For vehicles with start-stop technology or load regulated alternators charging voltage can vary greatly. When installing a second battery as a consumer battery a DC-load converter is therefore appropriate to harmonize the charging voltage.



WAECO PerfectCharge DC08



WAECO PerfectCharge DC20



WAECO PerfectCharge DC40

3.16

WAECO PerfectCharge DC08 / DC20 / DC40

Charging converters and battery chargers in three performance categories: 8 A, 20 A and 40 A

- Input voltage: 12 V DC
- Input voltage range: 8 – 16 volts DC
- Output current:
- Output voltage: 14.2 volts DC ± 0.1 volts
- Energy efficiency: up to 87%
- Ripple & Noise: 20 mA
- Weight: 0.75 kg (DC08), 1.2 kg (DC20), 2.1 kg (DC40)
- W x H x D:
 - 115 x 70 x 100 (DC08)
 - 115 x 70 x 160 (DC20)
 - 115 x 70 x 270 (DC40)
- Test mark: e-approved to Automotive EMC Directive

DC08 // 8 A // 12 volts » 12 volts // Ref. No. 9102500055

DC20 // 20 A // 12 volts » 12 volts // Ref. No. 9102500045

DC40 // 40 A // 12 volts » 12 volts // Ref. No. 9102500056



MY BENEFITS

- Gives the battery a full charge while driving
- Stabilises the voltage for sensitive 12 volt devices
- High energy efficiency
- Electrically isolated
- Clean output voltage
- Parallel operation possible
- Additional on/off input

PERFECT VOLTAGE AT ALL TIMES

DC/DC CONVERTERS

FOR ALL APPLICATIONS



Inexpensive, ultra-compact voltage converters in switch-mode design for operation of 12 volt appliances in 24 volt circuits.

Inexpensive converters (PerfectPower DCDC 06 to DCDC 24) are often absolutely fine for running a 12 volt appliance on a 24 volt battery. Computers, monitors, measuring instruments and other sensitive appliances require **a constant and stable voltage** that compensates drops and peaks.

The solution: voltage converters and charging converters with electrically isolated input and output voltage (PerfectPower DCDC 10 to DCDC 40 or PerfectCharge DC 08 to DC 40).

The high-quality DC/DC converters can also be used for quick and gentle charging of supply batteries during the drive. PerfectCharge charging converters, given their enhanced output voltage of 14.2 volts, are the best choice for this purpose.



DCDC 06



DCDC 12



DCDC 24

3.18

WAECO PerfectPower DCDC 06 / DCDC 12 / DCDC 24

Voltage converters 24 to 12 volts

- Switch mode design
- High energy efficiency (up to 90%)
- Low heat output
- Compact design, lightweight
- Easy installation: Clip system

DCDC 06, 6 A, 24 V » 12 V // Ref. No. 9103555787

DCDC 12, 12 A, 24 V » 12 V // Ref. No. 9103555788

DCDC 24, 24 A, 24 V » 12 V // Ref. No. 9103555789

MY BENEFITS

- Inexpensive and ultra-compact
- Switch mode design for operation of 12 volt appliances in 24 volt circuits
- Easy to fit with clip-on system
- e-approved (Automotive EMC Directive)

High quality voltage converters with electrically isolated input and output voltage

Ideal as voltage stabilisers for sensitive 12 volt or 24 volt appliances with highest demands. Compensate for over and under-voltage in the on-board supply, generating a stable output voltage. Can also be used for charging supply batteries.

Ideal for sensitive electronic appliances

3.18

WAECO PerfectPower DCDC 10 / DCDC 20 / DCDC 40

Voltage converters with electrically isolated input and output voltage

- Stable, electronically controlled output voltage (± 0.1 V)
- High energy efficiency (87%)
- Several converters can be used in parallel
- Additional enable input: connection of a switch to battery + for manual activation/deactivation of the converter, or connection to D+ to switch the charger on or off automatically via the generator
- EMC optimised for the automotive industry
- Five models available:
 - 12 volts · 24 volts (10 amps)
 - 12 volts · 24 volts (20 amps)
 - 24 volts · 24 volts (10 amps)
 - 24 volts · 12 volts (20 amps)
 - 24 volts · 12 volts (40 amps)

DCDC 10, 10 A, 12 V » 24 V // Ref. No. 9102500057

DCDC 20, 20 A, 12 V » 24 V // Ref. No. 9102500058

DCDC 10, 10 A, 24 V » 24 V // Ref. No. 9102500061

DCDC 20, 20 A, 24 V » 12 V // Ref. No. 9102500059

DCDC 20, 20 A, 24 V » 12 V // Ref. No. 9102500060



DCDC 10



DCDC 20



DCDC 40

MY BENEFITS

- DC/DC voltage conversion
12 · 24 V / 24 · 12 V / 24 · 24 V
- Generate a stable output voltage (± 0.1 V)
- Fast and gentle charging of leisure batteries during the drive
- Several converters can be used in parallel
- Enable input to switch the converter on or off
- Electrically isolated
- e-approved (Automotive EMC Directive)

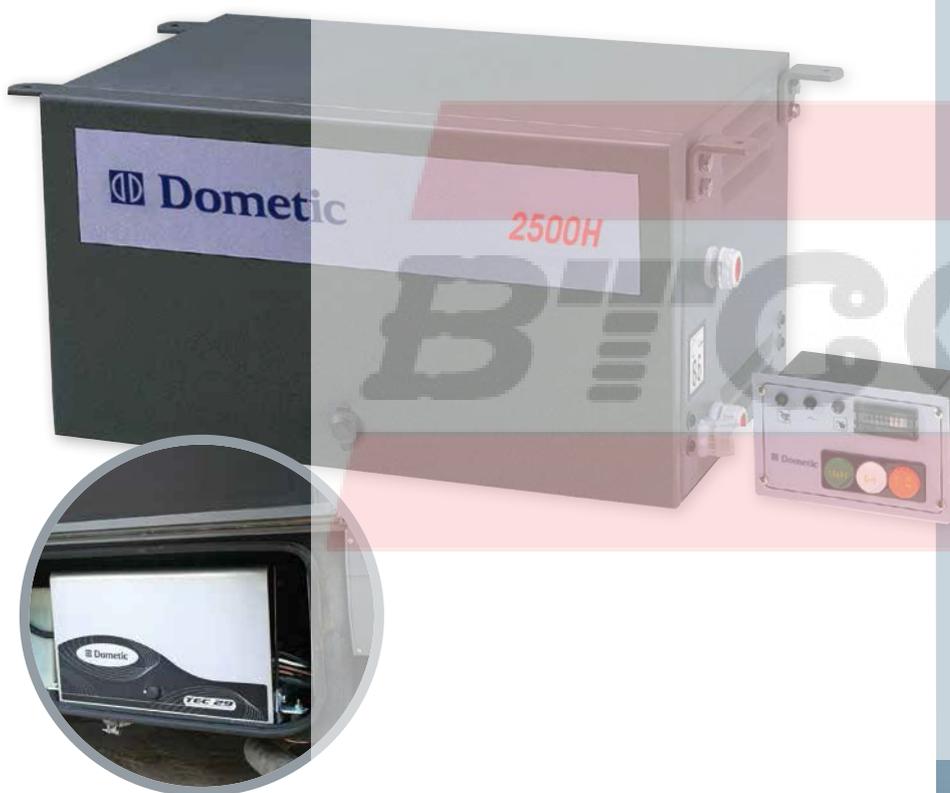
DOMETIC GENERATORS

230 VOLTS – ANYTIME, ANYWHERE

Dometic generators ensure a reliable power supply wherever mains power is unavailable. This makes them indispensable for everyone seeking maximum independence on the move.

High performance, modest fuel consumption and excellent product quality are the features you can expect to find in every Dometic generator. The range includes models from 2000 to 6200 watts, fuelled with petrol, Diesel or LPG.

The generators TEC 29, TEC 29LPG, TEC 60 and TEC 60LPG, due to their variable speed, are outstandingly quiet and fuel-saving. Fitted with permanent magnets, all the TEC series generators are also very light and compact. An additional convenience feature of the TEC series is the auto start function. When the battery voltage is low it makes sure the generator comes on automatically to recharge the battery. All Dometic generators are supplied complete with remote control.



MY BENEFITS

- High continuous output
- Suitable as a power source for Dometic air conditioners
- Remote control included
- TEC models: Auto start function for automatic battery recharging
- Petrol fuelled TEC models: variable speed, economical fuel consumption, low-noise operation



- T model and Diesel fuelled TEC models: constant speed



LPG GENERATOR:

TEC 29LPG – for operation with LPG. Same benefits and output as the top seller TEC 29. Minimal noise and smell emission, very high energy efficiency.

LPG with at least 60% propane content



Dometic TEC 29LPG

2.6 kW generator for 230 volts AC, fuelled by LPG

- Output voltage: 230 volts AC \pm 1% (continuous)/pure sine wave voltage
- Continuous output: 2600 watts, peak output: 2900 W
- Weight: 44 kg

Ref. No. 9102900179

3.39

REGULAR UNLEADED PETROL GENERATORS:

TEC 29 – highly compact petrol generator. Just 44 kg and easy to store thanks to optimised dimensions. Ideal for fitting under the vehicle floor it provides 2600 watt continuous output and is also both extremely efficient and quiet. A top seller!



3.39

T2500 H – inexpensive, reliable petrol generator. Installation under the vehicle floor or in a storage compartment. 2000 watts continuous output. Supplied complete with remote control and fixing material.



3.39

Regular unleaded petrol

Dometic TEC 29

2.6 kW generator for 230 volts AC, fuelled by petrol

- Output voltage: 230 volts AC $\pm 1\%$ (continuous)/pure sine wave voltage
- Continuous output: 2600 watts, peak output: 2900 W
- Weight: 44 kg

Ref. No. 9102900200

Dometic T 2500H

2.0-kW generator for 230 volts A/C, fuelled by petrol

- Output voltage: 230 volts AC $\pm 10\%$ (continuous)/pure sine wave voltage
- Continuous output: 2000 watts, peak output: 2200 W
- Weight: 50 kg

Ref. No. 9102900005

DIESEL GENERATORS

TEC 30EV – fuel-saving diesel generator Only 0.7 litres of diesel/hour and excellent sound insulation for low-noise operation. State-of-the-art inverter technology prevents over- and under supply of connected consumer units.



3.39

TEC 40D – powerful diesel, pleasantly quiet. 3500 watts continuous output. Reliable, fuel-saving and extremely quiet for a diesel generator of its class (only 64 dBA at a distance of 7 metres). Well proven in professional use.



3.39

3500 watts continuous output!

Dometic TEC 30EV

2.5 kW generator for 230 volts AC, fuelled by diesel

- Output voltage: 230 volts AC $\pm 1\%$ (continuous)/pure sine wave voltage
- Continuous output: 2500 watts, peak output: 2900 W
- Weight: 70 kg

Ref. No. 9102900033

Dometic TEC 40D

3.5 kW generator for 230 volts AC, fuelled by diesel

- Output voltage: 230 volts AC $\pm 1\%$ (continuous)/pure sine wave voltage
- Continuous output: 3,500 watts, peak output: 3900 W
- Weight: 96.5 kg

Ref. No. 9102900201

REGULAR UNLEADED PETROL/LPG GENERATOR

TEC 60 / TEC 60LPG:

Ample power with petrol or LPG. At a continuous power rating of 6200 watts Petrol and 6000 watts LPG it's amazingly quiet and fuel saving. Clean sine wave voltage and high peak output thanks to well proven inverter technology!



3.39

Dometic TEC 60 / TEC 60LPG

6.2 kW petrol or 6.0 kW LPG generator, fuelled by normal unleaded petrol or LPG

- High continuous output, low consumption
- Robust design in stainless steel cabinet
- Remote control with illuminated display

TEC 60 (regular unleaded petrol) // Ref. No. 9102900229

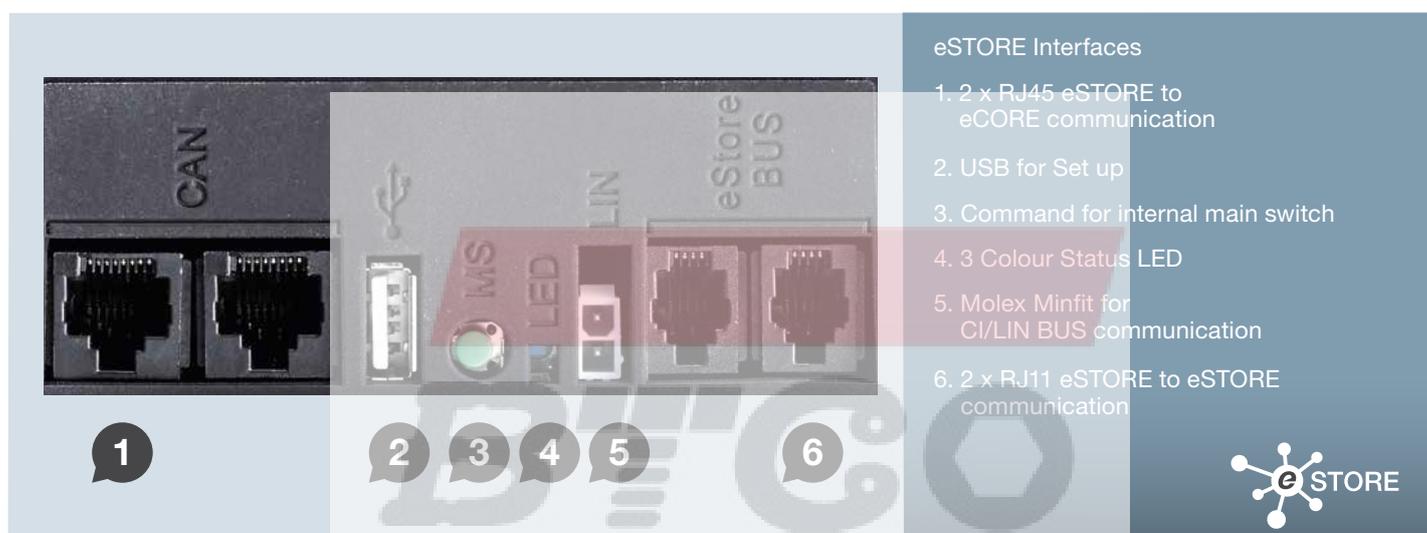
DOMETIC eSTORE

POWER STORAGE MADE EASY

With the eSTORE lithium ion battery, Dometic provides an energy storage medium far superior to commonly used lead-acid or lead-gel batteries. It easily gives five times more charging cycles, is up to 60% lighter in weight and compact in size, too.

No maintenance, and no sulphate build-up either. Instead, sensationally fast charging: 1 – 3 hours on the mains hook-up or generator is enough to bring Dometic eSTORE back to full capacity.

The integrated battery management system (BMS) protects the battery from excessive charging currents, charging voltages or operating temperatures. It informs about the charging state and balances the battery cells. Dometic's lithium ion battery is ideal for use in recreational vehicles, mobile shops etc. and contributes to an unprecedented level of independence in terms of mobile energy supply.



Light, strong,
super-
compact

High-quality lithium ion
technology for perfect
power management

3.48

Dometic eSTORE

Lithium ion battery, 100 Ah / 12 V
CAN bus based system, CIB-compatible

- Rechargeable lithium ion battery
- Up to 60% lighter than gel batteries
- 5 x more charging cycles
- Optimised charging in 1 – 3 hours, depending on the battery charger
- Maintenance-free
- Intelligent battery monitoring with the integrated battery management system (BMS)
- Overvoltage protection
- Monitors the battery temperature
- Ideal for complex power management configurations: up to 8 batteries can be connected in parallel (= 800 Ah)

Ref. No. 9102900224

Accessories/cables please see technical data,
p. 141

DOMETIC eCORE

EVERYTHING IS ALWAYS UNDER CONTROL

The eCORE central unit is the centrepiece of the Dometic energy management system. It monitors, connects and disconnects devices, ensures safety, charges batteries and keeps all consumer units in check.

Equipped with a sine wave inverter and an automatic charger, eCORE masters even highly complex energy supply situations effortlessly while retaining its full autonomy. The system “wakens” automatically from standby mode as soon as mains power is applied or the engine is started, and is immediately ready to use. If the mains power or the engine is switched off, the battery monitor automatically takes charge to save valuable on-board power.

3.48



Dometic eCORE – Central unit with integrated sine-wave inverter and automatic battery charger

Lithium ion battery, 100 Ah / 12 V
CAN bus based system, CIB-compatible

- Power sharing function:
Supplies the connected appliances with 230 volts and simultaneously charges the battery(ies).
- Uninterrupted power supply (UPS):
Supplies the connected appliances with battery current via the inverter output when the external 230-volt power source fails.
- Power support function:
Support of the 230-volt mains voltage with energy from the battery.
- Generator function:
Operates providing 230 volts AC and automatic battery charging. Functions in stand-alone mode or as support to the mains power.
- Battery charger function:
Charges the battery(ies) from the 230-volt mains (6-step charging characteristics). Can be set for lithium ion batteries as well as gel, AGM and wet-cell batteries.
- Inverter function:
Supplies connected appliances with pure 230-volt sine wave power.
- DC kit function:
Travel energy for battery recharging and inverter functions. Allows running connected appliances during the drive.

Ref. No. 9102900221

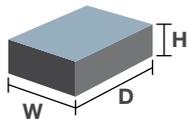


eCORE connections

- 1 Main battery
- 2 Travel energy (DC kit)
- 3 AC compressor control (appliances without communication bus)
- 4 CAN ports for other appliances
- 5 ePOWER T input
- 6 12 V DC / 10 A battery output
- 7 12 V DC output
- 8 D+ for DC Kit
- 9 230 V AC mains output
- 10 230 V AC inverter output
- 11 230 V AC mains input
- 12 Main switch

3.30 // WAECO SinePower

Sine wave inverters



	MSI 212 / MSI 224	MSI 412 / MSI 424	MSI 912 / MSI 924
Ref. No.	9102600124 9102600125	9102600126 9102600127	9102600011 9102600012
Ref. No. UK	9102600139 9102600140	9102600141 9102600142	9102600033 9102600034
Input voltage (V DC)	12 (11 – 15 V) 24 (22 – 30 V)	12 (11 – 15 V) 24 (22 – 30 V)	12 (10.5 – 16 V) 24 (21 – 32 V)
Output voltage (V AC)/ shape	230 / pure sine wave	230 / pure sine wave	230 / pure sine wave
Output frequency (Hz)	50	50	50
No-load current consumption (A)	0.6 / 0.5	0.6 / 0.5	1.8 / 1.0
Standby current consumption (A)	–	–	0.5 / 0.3
Continuous output (watts)	150	350	900
Peak output (watts)	300	700	1600
Energy efficiency up to (%)	90	90	92
Dimensions (W x H x D, mm)	124 x 49 x 199	124 x 49 x 199	197.5 x 94.3 x 291
Weight (kg, approx.)	0.82	0.82	3
Integrated mains priority output with voltage synchronisation	–	–	–
Test marks	e-approved (Automotive EMC Directive)		
Protection class	equivalent to IP 21		
Optional extras			
DC connection cable	–	–	9102700001
Standard remote control MCR-9	–	–	9102600026
Convenience remote control MCR-7	–	–	9102600001
Priority circuit VS-230	–	–	9103556043

3.30

Optional extras for MSI 912 – MSI 3524
Standard remote control MCR-9

Ref. No. 9102600026



3.30

Optional extras for MSI 912 – MSI 3524
Convenience remote control MCR-7

Ref. No. 9102600001

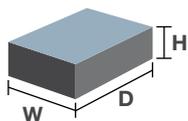




MSI 1312 / MSI 1324	MSI 1812 / MSI 1824	MSI 1812T / MSI 1824T	MSI 2312T / MSI 2324T	MSI 3512T / MSI 3524T
9102600113 9102600114	9102600115 9102600116	9102600117 9102600118	9102600119 9102600120	9102600121 9102600122
9102600035 9102600036	9102600037 9102600038	9102600039 9102600040	9102600041 9102600042	9102600043 9102600044
12 (10.5 – 16 V) 24 (21 – 32 V)	12 V (10.5 – 16 V) 24 V (21 – 32 V)	12 (10.5 – 16 V) 24 (21 – 32 V)	12 (10 – 16 V) 24 (20 – 32 V)	12 (10 – 16 V) 24 (20 – 32 V)
230 / pure sine wave	230 / pure sine wave	230 / pure sine wave	230 / pure sine wave	230 / pure sine wave
50	50	50	50	50
2.1 / 1.1	2.1 / 1.1	2.1 / 1.1	3.1 / 1.5	2.7 / 1.3
0.5 / 0.3	0.5 / 0.3	0.5 / 0.3	1.1 / 0.7	1.1 / 0.7
1300	1800	1800	2300	3500
2400	3200	3200	4000	6000
92	92	92	92	92
197.5 x 94.3 x 324.6	197.5 x 94.3 x 376	197.5 x 94.3 x 406	283 x 128.4 x 436	283 x 128.4 x 496
4	5	6.5	7.5	9
-	-	-	-	•
 e-approved (Automotive EMC Directive) equivalent to IP 21				
9102700002	9102700002	9102700002	9102700004	On request
9102600026	9102600026	9102600026	9102600026	9102600026
9102600001	9102600001	9102600001	9102600001	9102600001
9103556043	-	-	-	-

3.18 // WAECO PerfectPower

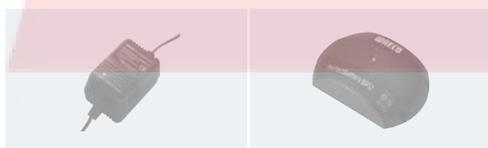
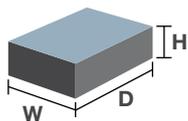
Inverters



	PP 152 / PP 154	PP 402 / PP 404	PP 602 / PP 604	PP 1002 / P 1004	PP 2002 / PP 2004
Ref. No.	9105303791 / 9105303794	9105303796 / 9105303799	9105303801 / 9105303804	9102600002 / 9102600028	9102600027 / 9102600029
Ref. No. UK	9105303792 / 9105303795	9105303797 / 9105303800	9105303802 / 9105303805	9102600003 / 9102600024	9102600005 / 9102600006
Input voltage (V DC)	12 (11 – 15) / 24 (22 – 30)				
Output voltage/curve (V AC)	230/modified sine wave \square				
Output frequency (Hz)	50	50	50	50	50
No-load current consumption (A)	0.25	0.25	0.25	< 0.8	< 1.5
Continuous output (W)	150	350	550	1000	2000
Peak output (W)	350	700	1100	2000	4000
Cooling	Fan				
Energy efficiency up to (%)	90	90	90	85	85
Mains priority circuit	-	-	-	•	•
Dimensions (W x H x D, mm)	129 x 71 x 177	129 x 71 x 192	129 x 71 x 237	176 x 95 x 338	176 x 95 x 443
Weight (approx. kg)	0.84	0.99	1.4	3.5	5
Test marks	e-approved (Automotive EMC Directive)				
Protection class	Equivalent to IP 21				
Optional extras					
DC connection cable	-	-	-	9102700005	9102700006
Standard remote control MCR-9	-	-	-	9102600026	9102600026

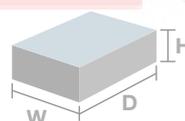
3.28 // WAECO PerfectBattery

Battery care



	BC 100	BR 12
Ref. No.	9102500044	9103556045
Input voltage (V AC or DC)	230 (180 – 253)	12
Input frequency (Hz)	50 – 60	-
Cut-in voltage (V)	-	> 12.6 ± 0.2
Standby current (mA)	-	< 0.2
Battery terminals	1	1
End-of-charging voltage (V DC)	13.8	-
Float charge voltage	13.0	-
Charging control	3 LEDs	-
Max. charging current (A)	1.0	-
Operating temperature (°C)	-20 to +50	-
Dimensions (W x H x D, mm)	70 x 100 x 60	100 x 67 x 25
Weight (approx. kg)	0.45	0.12
Quality features	Overload and short-circuit protection	
Test marks	e-approved (Automotive EMC Directive)	

Smart inverter



	SI 102
Ref. No.	9105303816 *
Input voltage (V DC)	12 (11 – 15 V)
Output voltage (V AC) shape	230 / modified sine wave \square
Output frequency (Hz)	50
No-load current consumption (A)	< 0.4
Continuous output (watts)	100
Peak output (watts)	200
Energy efficiency up to (%)	90
Dimensions (W x H x D, mm)	67 x 43 x 125
Weight (kg, approx.)	0.282
Test marks	e-approved (Automotive EMC Directive)

3.29 // WAECO PocketPower Smart inverter



* Not suitable for the UK

3.16 // WAECO PerfectCharge MCP

Battery chargers

	MCP 1204	MCP 1207
Ref. No.	9102500070 *	9102500071 *
Charger outputs	one (very flexible thanks to plug connector)	
Charging characteristics	8-step	
Input voltage (V)	230 (180 – 253)	
Charging current max.	4 A	7 A
Recommended battery capacity	Charging: 7 – 110 Ah / Float charging: 7 – 180 Ah	Charging: 15 – 160 Ah / Float charging: 15 – 250 Ah
Dimensions (W x H x D)	90 x 55 x 220 mm	90 x 55 x 250 mm
Weight	0.5 kg	0.7 kg
Optional extras		
Battery indicator BI 01	9102500078	9102500078
Wall bracket	9102500079	9102500079

* Not suitable for the UK

Lithium ion battery

3.48 // Dometic eSTORE



Central unit

3.48 // Dometic eCORE

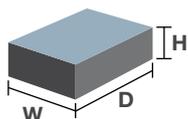


Ref. No.	9102900224
Battery capacity (Ah)	100
Battery voltage (V, DC)	12
Continuous output (W)	2000
Charging temperature (°C)	-10 to +55 (< 0°C charging at max. 5 A, > 0°C charging at max. 40 A)
Operating temperature (discharging) (°C)	-30 to +55
Number of cycles	Up to 2000 (25°C, 80% DOD depth of discharge)
Sulfation	No
Charging time (h)	1:15 (with Dometic eCore)
Dimensions (B x H x T,mm)	315 x 285 x 160
Weight (kg)	17
Test marks	e-certified (Automotive EMC Directive) UN38.3, IEC62133, UN 3480
Type of protection	Equivalent to IP 21
Optional extras Dometic eSTORE and Dometic eCORE	
eStore configuration kit	9102900281
eStore – eStore BUS cable kit	9102900279
eStore – eCore BUS cable	9102900280
eStore – MPC 01 BUS cable	9102200197
eStore – MCA BUS cable	9103530048
DCDC40 – eStore	9102500076
Mounting brackets (vertical)	9102900289
Mounting brackets (horizontal)	9102900290
Replacement Fuse (250A)	9102900282

Ref. No.	9102900221
IU0U automatic chargers	
Input voltage	10.5 to 15.0 volts DC
Output voltage	230 V AC ±5%
Output voltage waveform	Pure sine wave
Frequency	50 Hz ±1% (can be set)
Total distortion factor	< 1%
Continuous battery output	2000 W
Continuous ePOWER T output	1800 W
Continuous eSYSTEM output	3000 W
Peak output	6000 W (with Power Sharing)
Max. starting current	33 A
Transfer current	230 V / 50 A
Transfer time	< 10 ms
IU0U automatic chargers	
Characteristic charge curve	IU0U, 6-stage, conditioning function
Input voltage	207 – 253 V AC
Input frequency	45 – 55 Hz
Charging current	10 – 100 A (can be set)
End-of-charge voltage	14.4 V DC (can be set)
Float charge voltage	13.6 V DC (can be set)
Second charger output (starter battery)	10 A, IU0U, 3-stage

3.16 // WAECO PerfectCharge MCA

IU0U
automatic chargers

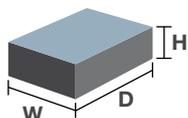


	MCA 1215	MCA 1225	MCA 1235	MCA 1250	MCA 1280
Ref. No.	9102500027	9102500028	9102500029	9102500030	9102500031
Ref. No. UK	9102500046	9102500047	9102500048	9102500049	9102500050
Charging ports	1 + 1	2 + 1	2 + 1	3	3
Input voltage (V)	90 – 260				
Output voltage (V)	–				
Frequency (Hz)	50 – 60				
End-of-charging voltage (V)	14.4/14.7				
Float charging voltage (V)	13.8				
Recommended battery capacity (Ah)	40 – 170	75 – 300	100 – 400	150 – 600	200 – 800
U0 phase limited at (h)	8 or 16				
Energy efficiency up to (%)	92				
Charging current (A)	15	25	35	50	80
Operating temperature (°C)	–20 to +50				
Dimensions (W x H x D, mm)	179 x 63 x 238	179 x 63 x 238	179 x 63 x 274	208.5 x 75 x 283	208.5 x 75 x 303
Weight (kg)	1.6	1.7	1.9	3.1	4
6-stage charging characteristics	•	•	•	•	•
Overload/short-circuit protection	•	•	•	•	•
Sleep mode	Using the remote control or dip switch on the device				
Battery types	Lead-acid batteries (liquid, gel, AGM)				
Test marks	–				
Protection class	equivalent to IP 21				
Optional extras					
Temperature sensor MCA-TS1	9102500036	9102500036	9102500036	9102500036	9102500036
Remote control MCA-RC1	9102500037	9102500037	9102500037	9102500037	9102500037
Battery controller MPC 01	9102500073	9102500073	9102500073	9102500073	9102500073
Hella Sensor MCA-HS1	9102500038	9102500038	9102500038	9102500038	9102500038



3.18 // WAECO PerfectPower

Voltage converters



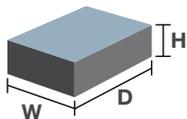
	DCDC 10	DCDC 20	DCDC 10	DCDC 20	DCDC 40
Ref. No.	9102500057	9102500058	9102500061	9102500059	9102500060
Input voltage (V DC)	12	12	24	24	24
Input voltage range (V DC)	8 to 16	8 to 16	20 to 32	20 to 32	20 to 32
Output current (A)	10	20	10	20	40
Output voltage (V)	27.6 ±0.1	27.6 ±0.1	27.6 ±0.1	13.8 ±0.1	13.8 ±0.1
Energy efficiency (%)	87	87	87	87	87
Ripple & Noise (mA)	40	40	40	20	20
Dimensions (W x H x D, mm)	115 x 70 x 155	115 x 70 x 240	115 x 70 x 140	115 x 70 x 155	115 x 70 x 240
Weight (approx. kg)	1.2	1.9	1.0	1.2	1.9
Test marks	e-approved (Automotive EMC Directive)				

3.16 // WAECO PerfectCharge IU charging converters

MCA 2415	MCA 2425	MCA 2440	DC 08	DC 20	DC 40
9102500032	9102500033	9102500034	9102500055	9102500045	9102500056
9102500051	9102500052	9102500053			
2	3	3	-	-	-
	90 - 260			12 (8 - 16)	
-	-	-		14.2 ±0.1	
	50 - 60		-	-	-
	28.8 / 29.4		-	-	-
	27.6		-	-	-
40 - 170	75 - 300	100 - 400	-	-	-
	8 or 16		-	-	-
	92			87	
12.5	25	40	8	20	40
	-20 to +50		-	-	-
179 x 63 x 238	208.5 x 75 x 283	208.5 x 75 x 303	115 x 70 x 100	115 x 70 x 160	115 x 70 x 270
1.6	2.9	3.9	0.75	1.2	2.1
•	•	•	-	-	-
•	•	•	-	-	-
Using the remote control or dip switch on the device					
Lead-acid batteries (liquid, gel, AGM)					
-	-	-	-	-	-
equivalent to IP 21					
e-approved (Automotive EMC Directive)					
9102500036	9102500036	9102500036	-	-	-
9102500037	9102500037	9102500037	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

3.18 // WAECO PerfectPower

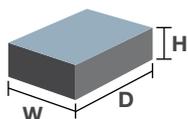
Voltage converters



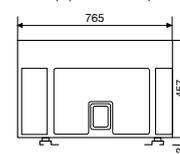
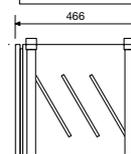
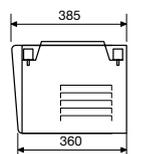
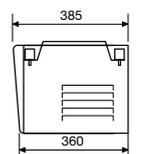
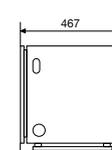
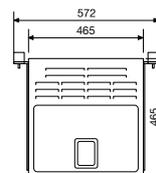
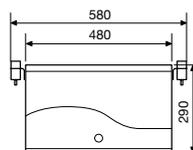
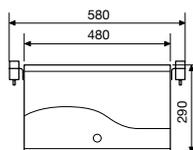
	DCDC 06	DCDC 12	DCDC 24
Ref. No.	9103555787	9103555788	9103555789
Input voltage (V DC)	20 to 30 V DC	20 to 30 V DC	20 to 30 V DC
No-load input current (mA)	8	8	8
Nominal input current (A)	5	10	18
Output voltage (V DC)	13.8 V DC -10%	13.8 V DC -10%	13.8 V DC -10%
Nominal output current (A)	6	12	24
Peak output current (A)	10	18	30
Energy efficiency (%)	up to 90	up to 90	up to 90
Dimensions (W x H x D, mm)	105 x 47 x 118	105 x 47 x 128	105 x 47 x 158
Weight (approx. kg)	0.45	0.5	0.7
Test marks	e-approved (Automotive EMC Directive)		

3.39 // Generators

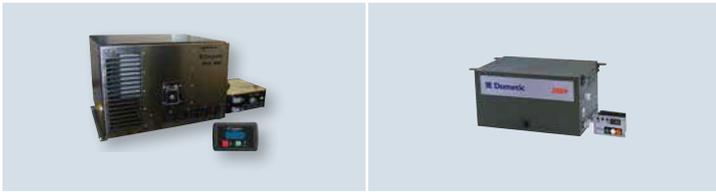
Generators



	TEC 29	TEC 29LPG	TEC 30EV	TEC 40D
Ref. no.	9102900200	9102900179	9102900033	9102900201
Output voltage	230 volts AC $\pm 1\%$ (continuous) / pure sine wave voltage			
Total harmonic distortion (%)	1	1	1	5
Frequency (Hz)	50 $\pm 1\%$	50 $\pm 1\%$	50 $\pm 1\%$	50 $\pm 1\%$
Max. starting current (A)	33	33	33	45
Continuous output (W)	2,600	2,600	2,500	3,500
Peak output (W)	2,900	2,900	2,900	3,900
Engine output (kW (PS))	4.0 (5.5)	4.0 (5.5)	3.3 (4.5)	4.7 (6.4)
Operating mode/fuel	RON 91 regular grade petrol	Gas; LPG with at least 60% propane content	Diesel	Diesel
Consumption	max. 1.2 l/h	max. 1.0 kg/h	max. 0.7 l	max. 1.4 l
Sound level at 7 m distance (dBA)	54–59	54–59	60	64
Guaranteed sound level (dBA)	86	86	84	89
Dimensions (W x H x D mm)	480 x 290 x 385	480 x 290 x 385	465 x 465 x 466	765 x 457 x 467
Width with suspension (mm)	580	580	572	765
Housing finish	stainless steel	stainless steel	stainless steel	stainless steel
Weight (kg)	44	44	70	96.5
Auto start function				•
12 volt output for battery charging				•
Quality features	Low-oil cut-off, electrical starter, overload and short-circuit protection, sound insulation, operation via external control panel, alarm functions, variable generator speed		Low-oil cut-off, electrical starter, overload and short-circuit protection, sound insulation, operation via external control panel, alarm functions	
Test marks	E13	E13	E13 [®]	E24
Optional extras				
Plastic petrol tank with lock cap and fuel reserve float	9102900009	-	9102900009	9102900009
Plastic petrol tank with supports and integrated feed mouth	9102900010	-	9102900010	9102900010
Stainless steel tank 20 litres	9102900011	-	9102900011	9102900011
Tank hose set	9102900003	-	9102900003	9102900003
Flexible metal hose 25 mm, 2 m *	9102900137	9102900137	9102900137	9102900137
Flexible metal hose 25 mm, 5 m	9102900138	9102900138	9102900138	9102900138
Battery charging regulator	-	-	-	-
Floor chimney	-	-	-	-
Change-over switch (generator/mains)	-	-	-	-

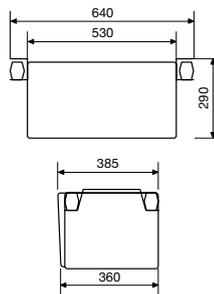
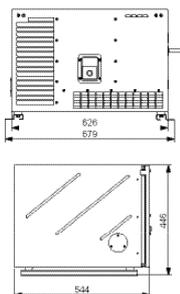


* Already included in the scope of delivery of the generators excluding the T 2500H



TEC 60 / TEC 60LPG		T 2500H
9102900229 (Normal unleaded petrol)	9102900230 (LPG)	9102900005
230 volts AC $\pm 1\%$ (continuous) / pure sine wave voltage		230 volts AC $\pm 10\%$ (continuous) / pure sine wave voltage
< 3%		5
50 Hz $\pm 1\%$		50 $\pm 5\%$
85 A		24
6200 W		2,000
7000 W		2,200
6,6 kW / 8,9 PS		4.0 (5.5)
Unleaded petrol	Liquid gas	RON 91 regular grade petrol
max. 3.7 l/h	max. 3.0 kg/h	max. 1.2 l
66		60
90		86
625 x 541 x 446 mm (plus electronic box)		530 x 290 x 385
679 mm		640
stainless steel		stainless steel
102		50
•		—
•		with optional charging regulator
Low-oil cut-off, electrical starter, overload and short-circuit protection, sound insulation, operation via external control panel, alarm functions, variable generator speed		Low-oil cut-off, electrical starter, overload and short-circuit protection, sound insulation, operation via external control panel
E13		E3

9102900009	9102900009
9102900010	9102900010
9102900011	9102900011
9102900003	9102900003
9102900137	9102900137
9102900138	9102900138
—	9102900014
—	9102900023
—	9102900013



SIT BACK AND ENJOY





KITCHEN SOLUTIONS



Microwave oven	144
Coffee makers	146
Electric kettle	148
Wet/dry vacuum cleaner	149
Technical data	150



A kitchen on board ...

If you are the independent sort and pack enough food and drinks for the journey, then by having your own kitchen equipment on board, you can even prepare something hot when you stop for a break: coffee, tea, cappuccino or even a small meal, then you are ready to set off again full of energy.



GREAT FOR A QUICK ON-BOARD BREAK MOBILE HOUSEHOLD DEVICES

Why waste time and money with motorway services when there is a low cost alternative available? The Dometic WAECO kitchen range gives you plenty of ways to have a quick break on board. Make coffee and tea, prepare an instant soup and then vacuum away the crumbs – all just as quick and convenient as at home.

All devices are practical and safe to use, accessories for installation in the vehicle are included.



Coffee maker

WAECO PerfectCoffee MC 052 / 054

Coffee maker for 5 cups, specially designed for mobile use. Easily accessible swivel filter. Safe fastening glass pot with transport securing device, fixing kit for wall or desk mounting. Models for 12 and for 24 volts.

P. 146



Electric kettle

WAECO PerfectKitchen MCK 750

For tea, soup, cappuccino and more. Capacity approx. 0.75 litres. Robust technology for safe operation on the move. Automatic switch-off when boiling temperature is reached. Fixing kit for wall or desk mounting. Models for 12 and for 24 volts.

P. 148



Wet/dry vacuum cleaner

WAECO PowerVac PV 100

Cordless operation with rechargeable, maintenance-free 12-volt battery. High vacuum power, maximum mobility. Various attachments and easy to clean textile filter. The universal vacuum cleaner for car, truck, van and home use.

P. 149



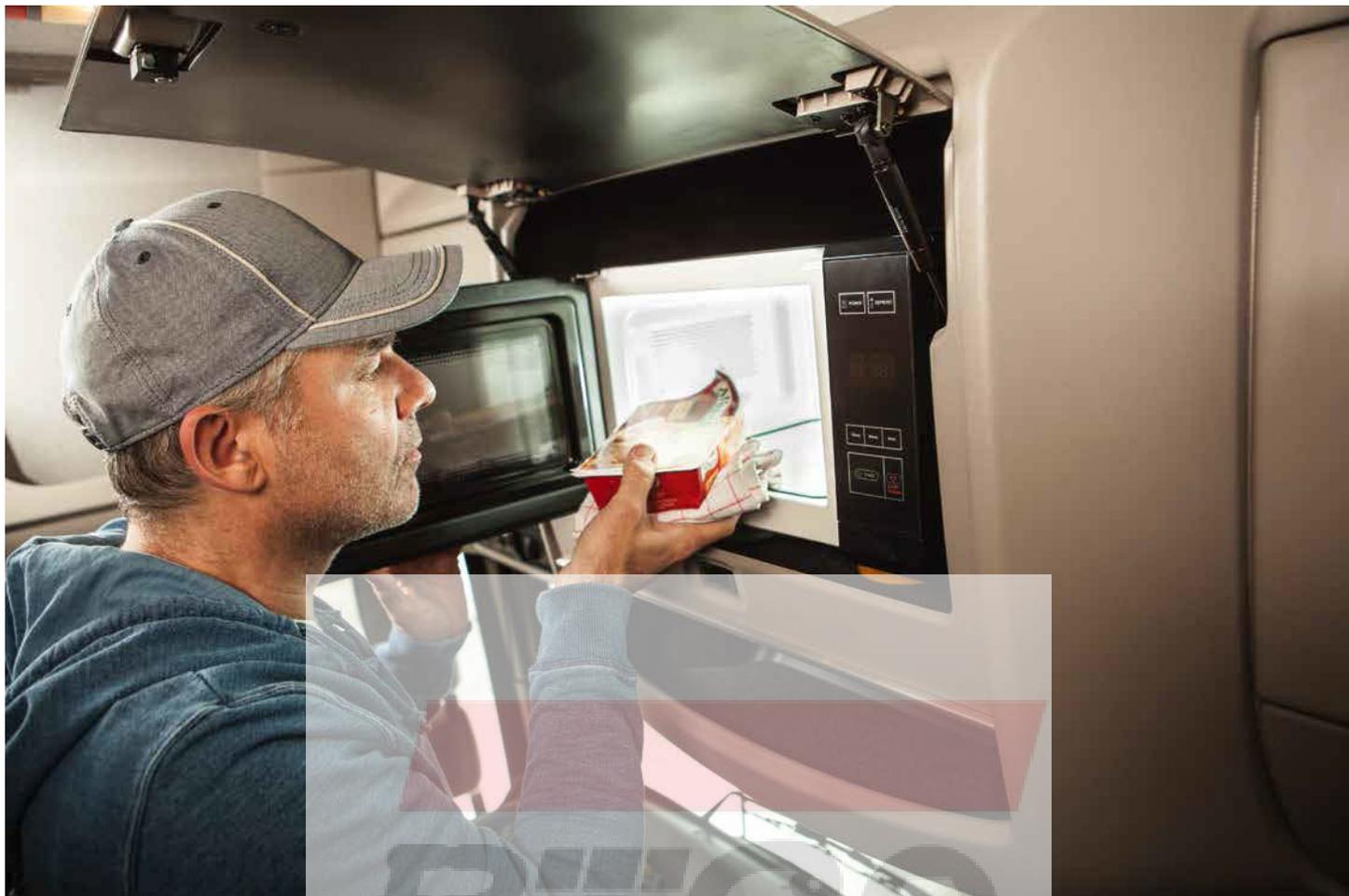
Microwave

Dometic Roadmate MWO 230

The Dometic Roadmate MWO 230 has been approved by leading truck manufacturers for use in their vehicles. DAF, Scania and Volvo have already developed their own fixing kits for selected types of vehicles.

P. 144 – 145





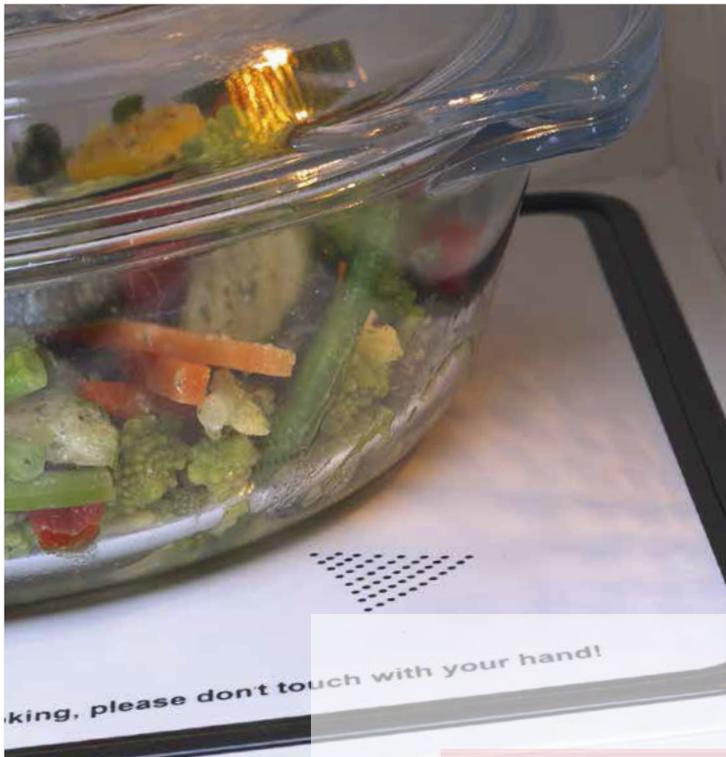
A GENUINE "ROAD MATE" HIGH QUALITY MICROWAVE OVEN FOR TRUCKERS

Tested by leading truck manufacturers and found fully suitable for use on the road: the Dometic Roadmate MWO 230 sets new standards in terms of safety and ease of use. **Having no turntable**, it is virtually indestructible and especially easy to clean. In the vibration test it stood head and shoulders above the models of other manufacturers. It also topped the E-certification with excellent results.

This is where the excellent work of Dometic's product designers pays off. The power management was exactly geared for use in trucks and to keep energy consumption as low as possible despite the high heat output, the Roadmate MWO 230 is connected to the 24-volt system via an inverter that is supplied with each unit. A user-friendly remote control for the inverter is included in the delivery kit.



The Dometic Roadmate MWO 230 has been approved by leading truck manufacturers for use in their vehicles. DAF, Scania and Volvo have already developed their own fixing kits for selected vehicle models. With these references, the new microwave oven from Dometic has excellent chances to be included in the equipment lists of the manufacturers.



MY BENEFITS

- Approved road compatibility (vibration test)
- No turntable – easy to clean, less breakable parts
- User-friendly inverter remote control
- Inverter with pure sine wave voltage for lowest possible energy consumption
- Power management designed for trucks
- Approved by leading truck manufacturers
- Electronic control panel
- Set Cooking time by use of 3 number buttons (1 minute / 30 seconds / 10 seconds)
- 3 different power levels (400 / 500 / 600 W)
- Defrost function



3.47

Dometic Roadmate MWO 230

Microwave

- Approved road compatibility (vibration test)
- Without turntable – easy to clean and robust
- E-certified (Automotive EMC Directive)
- Voltage: 24 volts DC to 230-volt AC inverter
- Dimensions (W x H x D): 457 x 271 x 360 mm

Ref. No. 9103533012



Our tip!

Plug and play installation – inverter is included!

How many watts of continuous power should my 24/230-volt converter have for me to run the microwave oven with peace of mind? This is the question you face with many truck microwave ovens. Not with the Roadmate MWO 230. The matching inverter is already included in the pack and it is technically coordinated with the microwave.



A GREAT, SAFE WAY TO HAVE A CUPPA

MOBILE COFFEE MAKER FOR 5 CUPS

Modern design and many practical details are the hallmarks of this coffee maker which ensures continuous coffee supply during the breaks. Up to 5 cups (625 ml) are quickly brewed and kept hot on the warming plate for a long time. The swing filter is easy to access and easy to fill. **A transport securing device holds the glass pot in place.** The coffee maker itself is steady as a rock, held in place by the fixing kit. Available as 12 volt and 24 volt version, the well-engineered device is suitable for all mobile applications: car, motorhome, truck, yacht and boats.

THE BENEFITS

- Integrated transport securing device
- Warming plate with thermostat
- Overheat protection
- Decorative stainless steel finish
- Glass pot with filling measurement



3.13

WAECO PerfectCoffee MC052 / 054

Coffee maker for 5 cups, 12 or 24 volts

- Capacity 5 cups (625 ml)
- Average power consumption 12 volts: 170 watts, 24 volts 300 W
- Swing filter for easy operation, integrated transport securing device for the glass pot, warming plate with thermostat, fixing kit for wall or desk mounting
- Weight: 1.1 kg
- Dimensions (W x H x D) 240 x 270 x 155 mm
- E-certified (Automotive EMC Directive), food-safe according to the German Foodstuff and Consumer Goods Act (LMBG)

MC052 12 V // Ref. No. 9103533013

MC054 24 V // Ref. No. 9103533014

With practical
swing filter



PERFECT SERVICE ON BOARD

SPACE-SAVING AND PRACTICAL

The PerfectCoffee MC 01 is a hot tip for solo travellers who fancy a cuppa only now and then. The compact 1-cup coffee maker takes up very little space and is very handy to use. Place some ground coffee into the filter, pour in some water – the same as at home. Push the plug into the cigarette lighter socket, switch the unit on, and five minutes later coffee is ready. The MC 01 is a genuine price hit, and has been a hot seller for years. It is available in a 12 volt and 24 volt version.

THE BENEFITS

- Short brewing time
- Automatic switch-off
- Boil-dry protection
- Permanent filter
- Fixing kit for desk mounting



3.13

WAECO PerfectCoffee MC 01

1-cup coffee maker, 12 or 24 volts

- Fresh coffee after 5 minutes of brewing time
- Fixing kit for desk mounting
- For cars, trucks, motorhomes or boats
- Specially designed for mobile use

MC01 12 V // Ref. No. 9103533009

MC01 24 V // Ref. No. 9103533010





THE BENEFITS

- Tailor-made for mobile use
- Automatic switch-off
- Wall or desk mounting
- For 12 volts and 24 volts



FOR A WARM FEELING INSIDE COFFEE OR SOUP IN NO TIME AT ALL

Do you prefer your coffee the "Turkish way"? Just put two spoons of coffee into the mug, fill it with hot water, stir and that's it? Then this kettle is a handy gadget to have. It won't hurt your pocket and can also be used to make a quick cup of tea, cappuccino or soup. Available in two versions – 12 volts or 24 volts. Fixing kit included.



3.14

WAECO PerfectKitchen MCK750

Electric kettle for 12 volts or 24 volts

- Capacity: approx. 0.75 litres
- Average power consumption: 12 volts: 200 watts, 24 volts 380 W
- Automatic switch-off when boiling temperature is reached, robust relay technology, wall or desk mounting
- Weight: 0.8 kg
- Dimensions (W x H x D) 190 x 205 x 125 mm (incl. fixing kit)
- E-certified (Automotive EMC Directive), food-safe according to the German Foodstuff and Consumer Goods Act (LMBG)

12 V // Ref. No. 9103533003

24 V // Ref. No. 9103533004





THE BENEFITS

- Ideal for car, truck, motorhome, caravan and home use
- With rechargeable, maintenance-free 12-volt battery
- Various nozzle attachments
- Easy to clean (textile filter)

WET/DRY VACUUM CLEANER CORDLESS WITH BATTERY POWER

Performance power for you with the PowerVac! With its 90 watt /400 mm water column vacuum power, it copes with all the dirt you want to get rid of in your cabin or storage compartments. **Wet or dry – it makes no difference to the PowerVac.** Fitted with special attachments, it cleans the tiniest gaps and removes every spec of dust from the seat covers.

It's substantial vacuuming power is more than a match for even the most stubborn dirt or spills and without cables getting in your way, so you can move freely even in tight cabins. Your compact little helper requires very little space and you can even put it in the outside storage compartment, after all, it is clean now.

3.31

WAECO PowerVac PV 100

Wet/dry vacuum cleaner with 12-volt rechargeable battery

- Universal use in vehicles and at home
- Maximum mobility through cordless operation
- Battery can be recharged from 12 volts and 230 volts

PowerVac PV 100 // Ref. No. 9103500212



Extendible crevice nozzle for narrow gaps



Microwave oven / Electric kettle / Coffee makers

3.47 // Dometic Roadmate

3.14 // WAECO PerfectKitchen

	MWO 230	MCK750
Item no.	9103533012	9103533003 (12 V) 9103533004 (24 V)
Voltage	24 volts DC on 230-volt AC inverter	12 or 24 V DC
Capacity	20 litres	approx. 0.75 litres
Nominal input current (A)	30	-
Power consumption (W)	800	12 V: 200 24 V: 380
Colour	-	Black/silver
Dimensions (W x H x D, mm)	457 x 271 x 360	190 x 205 x 125 (incl. fixing kit)
Weight (kg)	12.9	0.8
Quality features	Approved road compatibility (vibration test), easy to clean, user-friendly inverter remote control, inverter with pure sine wave voltage for lowest possible power consumption, power management geared for use in trucks	Robust relay technology, switches off automatically when the boiling temperature has been reached, or when there's no water in the kettle, status indication
Test marks	E-approved (Automotive EMC Directive)	E-approved (Automotive EMC Directive), food-safe according to the German Foodstuff and Consumer Goods Act (LMBG)
Scope of delivery	Microwave oven, inverter, inverter remote control	Fixing kit for wall or desk mounting

3.31 // WAECO PowerVac

Wet/dry vacuum cleaner

	PV 100
Item no.	9103500212
Battery	12 V AC, 2.6 Ah
Motor	12 V DC, 28000 min ⁻¹
Power consumption (W)	approx. 90
Vacuum power	approx. 400 mm water column (±10%)
Service life	max. 18 min ±10%
Operating temperature	0 °C to +40 °C
Charging time	10 – 14 h (automatic switch-off)
Capacity	3.8 l
Dimensions (W x H x D, mm)	270 x 320 x 198
Weight (kg)	2.15
Quality features	Extendible crevice nozzle for narrow gaps and also between the front seats Brush attachment for doormats, rugs and upholstery
Test marks	-
Scope of delivery	Vacuum cleaner, hose, attachments for upholstery, rugs and narrow gaps, carrying strap, mains adapter, 12-volt charging cable, operating instructions

3.13 // WAECO PerfectCoffee



MC 052	MC 054
9103533013 (12 V)	9103533014 (24 V)
12 volts DC	24 V DC
5 cups (625 ml)	5 cups (625 ml)
-	-
170	300
Black/silver	Black/silver
240 x 270 x 155 (incl. fixing kit)	240 x 270 x 155 (incl. fixing kit)
1.1	1.1

Swing filter for ease of use, integrated transport securing device for the glass pot, warming plate with thermostat, fixing kit for wall or desk mounting

E-approved (Automotive EMC Directive), food-safe according to the German Foodstuff and Consumer Goods Act (LMBG)

Glass pot, fixing kit for wall or desk mounting

3.13 // WAECO PerfectCoffee

Coffee maker



MC 01

Item no.	9103533009 (12 V) 9103533010 (24 V)
Voltage	12 or 24 volts DC
Capacity	1 cup
Power consumption (W)	12 V: 180 24 V: 250
Colour	Silver/black
Dimensions (W x H x D, mm)	135 x 190 x 110 (incl. fixing kit)
Weight (kg)	0.75
Quality features	Short brewing time, automatic switch-off, boil-dry protection
Test marks	Food-safe according to the German Foodstuff and Consumer Goods Act (LMBG)
Scope of delivery	Coffee maker with connection cable and plug, ceramic mug, fixing kit

Product overview





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Truck roof air conditioners for stationary use, 24 volts				
CoolAir RTX 1000	NEW Truck roof parking cooler	9105306210	2.09	10
CoolAir RTX 2000	NEW Truck roof parking cooler	9105306212	2.09	11
Truck split air conditioners for stationary use, 24 volts				
CoolAir SP950C	Compressor unit for truck split parking coolers	9105305550	2.09	13
CoolAir SP950I	Interior evaporator unit for truck split air conditioner	9105305612	2.09	13
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SAFE 361C	Safes with mechanical locking system	9106600002	3.34	23
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MagicSpeed MS 880	Cruise control	9101400078	3.06	25
MagicSpeed Accessory	Control element	9103555853	3.06	25
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Radio remote controls				
MagicTouch MT 200	Radio remote control	vehicle-specific	3.05	26
MagicTouch MT 400	Radio remote control	9101300007	3.05	26
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MagicComfort MH 40	Heated seat cover, black	9101700023	3.23	27
MagicComfort MH 40	Heated seat cover, grey/black	9101700024	3.23	27
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MagicComfort MSH 301	Retrofit insert seat heater carbon (for one seat)	9101700035	3.23	29
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MagicWatch MWE 9008	Parking aid for cars, front and rear	9101500055	3.07	35
MagicWatch MWE 820	Parking aid for cars, rear	9101500040	3.07	36
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PerfectView CAM55W	NEW High-end camera with extended input voltage range	9102000068	3.19	48
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PerfectView CAM 30C	Colour ball camera	9102000045	3.19	49



WAECO CoolAir



WAECO MagicSafe



Dometic SAFE



WAECO MagicTouch



WAECO MagicComfort



WAECO MagicWatch



WAECO PerfectView



WAECO PerfectView



WAECO PerfectView



WAECO PerfectView RVS



WAECO PerfectView RVS



WAECO PerfectView MC



WAECO CoolFreeze



Product	Description	Ref. No.	PG	Page
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PerfectView CAM 29BKS	NEW Colour cylinder camera	9102000118	3.19	49/54
PerfectView CAM 29BKS NAV	NEW Colour cylinder camera	9102000116	3.19	49/54
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PerfectView RVS 780	RVS with M 75L + CAM 80CM	9101900084	3.19	53
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PerfectView RVS 794	RVS with M 75L + CAM 44	9101900061	3.19	53
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Complete reversing video systems with LX-series monitor				
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PerfectView RVS 755X	NEW RVS with M 75LX + CAM 55	9101900062	3.19	52/53
PerfectView RVS 580X	RVS with M 55LX + CAM 80CM	9101900085	3.19	53
PerfectView RVS 780X	RVS with M 75LX + CAM 80CM	9101900083	3.19	53
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PerfectView MC 455	WAECO PerfectView MC 402 + CAM 55NAV	9103531019	3.22	60
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PerfectView CAM 30C	Colour ball camera	9102000045	3.19	66
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CoolFreeze CF 26	NEW Compressor cooler	9105330185	4.35	91
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CoolMatic CD 20W	Compressor drawer fridge, universal	9105330081	4.24	92
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WAECO CoolFreeze



WAECO CoolMatic



WAECO TropiCool



WAECO BordBar

WAECO SinePower





WAECO PerfectPower



WAECO PerfectCharge



WAECO PerfectCharge



WAECO PerfectCharge



WAECO PerfectPower



Dometic Generator



WAECO PerfectCoffee



WAECO PowerVac

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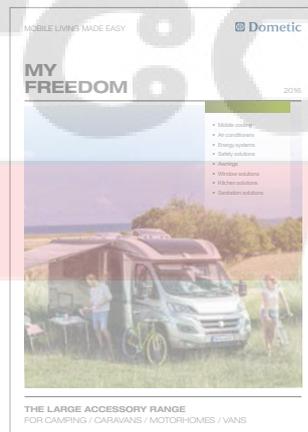
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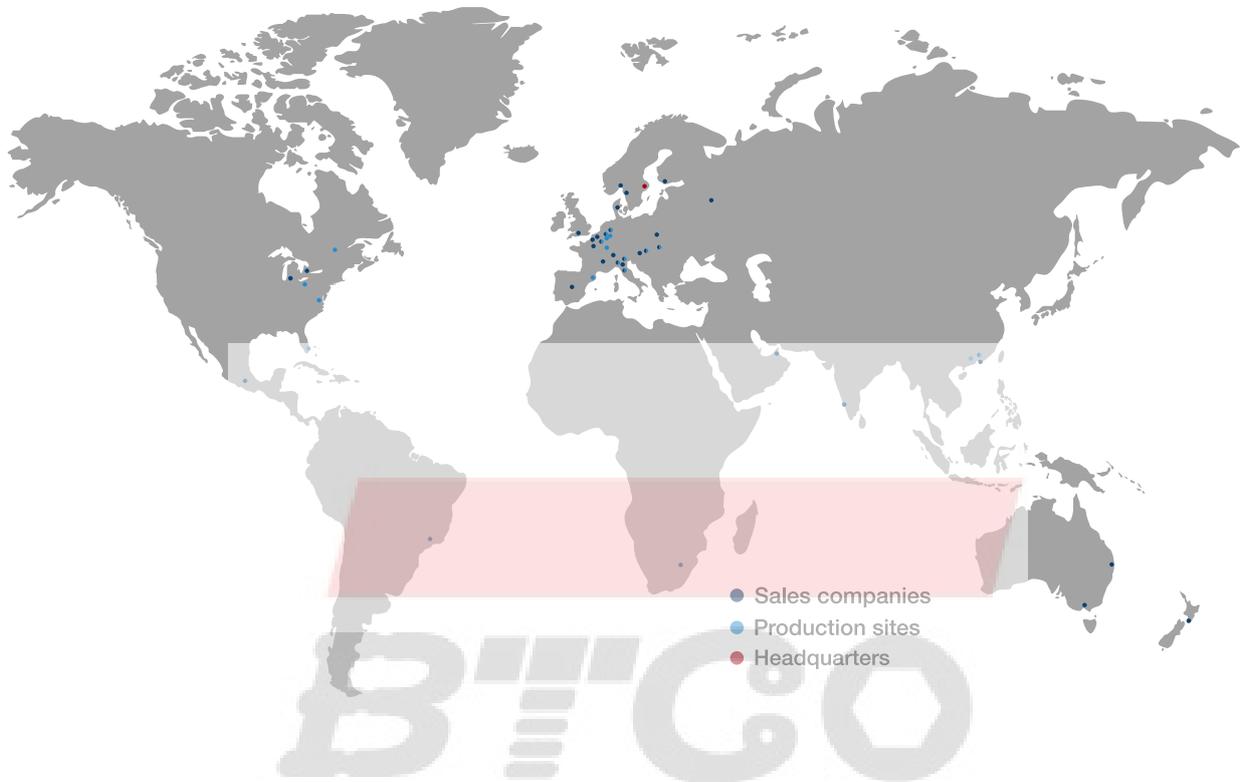
More Comfort on Board

The specialist marine catalogue. Tailor-made comfort solutions for yachts and boats – refrigeration, air conditioning, electronics, power generation, kitchen and sanitation equipment.



My Freedom

The comprehensive specialist catalogue for camping and leisure. A comprehensive range of products – mobile refrigeration, air conditioning, electronics, reversing video systems, vehicle accessories, windows, awnings, kitchen and sanitation equipment.



Dometic provides branded solutions for mobile living in the areas of Climate, Hygiene & Sanitation and Food & Beverage. We manufacture and sell a diverse range of products within these areas for use in recreational vehicles, marine applications, commercial and passenger vehicles. Dometic sells products in over 100 countries. The majority of our products are manufactured at our own production facilities in Asia Pacific, Europe and the U.S.

We develop and offer products and solutions that meet people's essential needs when living mobile; having the right temperature, cooking, keeping food fresh and taking care of personal hygiene. If these needs are not met, it could ruin the whole experience. We offer delivery from manufacturing plants close to our customers and a global distribution and support network to take care of after-sales and service.