



**TRANSPARENCY
FOR YOUR SUCCESS**



Behr Hella Service Premium Line – The ideal solution
for customers who expect the optimum.

MORE CLARITY WITH PREMIUM LINE

YOU GET WHAT YOU SEE

Reliable high product quality, an outstanding service package and the largest premium product range on the market have led to Behr Hella Service becoming a leading supplier for vehicle air conditioning and engine cooling.

While maintaining the strategic focus on product quality, price level and service, the new product marking allows for clear quality differentiation between Premium and Standard products. Greater transparency - helping you to select products more easily and to reinforce customer loyalty more effectively. However, there is one thing you can be certain of - this change is not going to involve lots of extra expense for you.

YOUR ADVANTAGES:



Unique quality distinction.

Increased transparency thanks to informative product marking.



Ramp up customer satisfaction.

The clear product classification makes it clear what is in the box.



Enjoy more benefits with minimal effort.

Part numbers, product quality, price level and service remain unchanged.



You have the choice!

In many cases, you will continue to have the choice between Premium or Standard.

**YOU, TOO, CAN BENEFIT
FROM SUPER SERVICE FOR
ALL PRODUCTS.**










NEW PRODUCT MARKING DESTINED TO BRING YOU SUCCESS.

The Premium Line comprises approximately 4,500 products produced by Behr, AKG, Visteon, which are offered exclusively by Behr Hella Service on the independent aftermarket, and also by other manufacturers with OE competence.

The Standard program offering wide vehicle coverage consists of approximately 3,000 products and forms the basis of the Behr Hella Service product range.

Products which up to now have been marked as "Alternative Version" will now – in line with the Standard program – carry the Behr Hella Service logo and no other kind of additional marking.

The new Premium Line marking makes it easy to see at first glance whether it is a Premium or a Standard product.

UP TO 2016		FROM 2017	
Product Category	Marking	Product Category	Marking
Premium exclusive	 + Produced by Behr, AKG and Visteon	Premium exclusive	 + Produced by Behr, AKG and Visteon 
Premium		Premium	
Standard		Standard **	
Standard	 +  *		

* As an alternative to the corresponding Premium product

** In many cases the alternative to the corresponding Premium product

THANKS TO THE TWO PRODUCT SEGMENTS, YOU WILL FIND THE RIGHT PRODUCT FOR ALL YOUR REQUIREMENTS



Cooling performance under normal conditions



For Standard products: Sufficient performance under normal conditions.
No difference between the Standard and Premium Line

Cooling performance under extreme conditions



For Premium products: Somewhat higher reserve capacity under extreme conditions (e.g. the height of summer, full load).
Fuel consumption can be reduced somewhat as the fan assist can kick in at a later point under extreme conditions

Durability



Economic solution with excellent price/quality ratio. Durability designed with the overall vehicle life cycle in mind.

Number of products



Standard range with broad vehicle coverage
that represents the basis of the product range
(approximately 3,100 products).

Produced by Behr, AKG, Visteon and other
manufacturers with OE competence
(approximately 4,500 products).

Product availability



All Behr Hella Service products have world-class availability.

Services



All important services ensured, including sales assistance and technical service.

BEHR HELLA SERVICE PREMIUM LINE
– THE IDEAL SOLUTION FOR CUSTOMERS WHO WANT THE OPTIMUM.



In future Premium Line products will be displayed as such both in TecDoc and also in all printed material. Clear marking will appear on the product itself and on the packaging label of the carton showing that it is a Premium Line product. Such clear differentiation appearing on the outside of the product signals just as clearly the differences in content and performance between the product segments. This change will gradually take place starting at the beginning of 2017.

MARKING USING TECDOC

Radiator, engine cooling			
			8MK 376 712-461 HELLA radiators, engine cooling BEHR HELLA SERVICE *** PREMIUM LINE *** Length: 533 mm, Width: 488 mm, Depth: 42 mm, for vehicles with/without air con, automatic transmission, manual transmission, for vehicles with combined water cooler/oil cooler Version: produced by BEHR. Cooler model: cooling fin soldered
			8MK 376 712-464 HELLA radiators, engine cooling BEHR HELLA SERVICE Length: 533 mm, Width: 488 mm, Depth: 42 mm, for vehicles with/without air con, automatic transmission, manual transmission Cooler model: cooling fin soldered

MARKING IN PRINTED CATALOGUES

BEHR

HELLA

SERVICE



Kühlmittelkühler

Coolant radiators

Radiateurs de liquide de refroidissement

Radiadores

Radiatore del liquido di raffreddamento

Radiateurs

Радиаторы

Motor su radyatörleri

Chłodnice






produced by

BEHR HELLA SERVICE




Citroën

Xsara (N1)

1.4i

KFX (TU3JP), KFW (TU3JP)

04/97 - 04/05

-8. RP. -> 07972, MT

BEHR

8MK 376 710-251

460x375x26

■

2.312

-8. RP. -> 07972, MT

BEHR

8MK 376 710-254

460x375x23

■

2.312

+f-8. MT. RP. -> 07972

BEHR

8MK 376 710-261

610x375x26

■

2.313

MARKING ON THE PACKAGING

PREMIUM LINE Hologram included in the packaging label



OUR PRODUCT RANGE FOR YOUR SUCCESS

STANDARD AND PREMIUM LINE – AN OVERVIEW OF THE MOST IMPORTANT PRODUCT GROUPS



Coolant Radiators

The most important component of a coolant module is the coolant radiator. It consists of a radiator core and water tank with all the necessary connections and attachment elements. The heat generated by the engine combustion is absorbed by the coolant and discharged into the external air via the radiator. Coolant radiators are installed in the air flow of the vehicle front.



Intercoolers

More performance throughout the engine speed range, lower fuel consumption, improved engine efficiency, decreased emission values, reduced thermal load on the engine – there are many reasons to cool the combustion air of supercharged engines with intercoolers.



Visco® Fans

In addition to powerful radiators, fans and fan drives that efficiently provide cooling air are also required for heat dissipation. Visco® fans consist of a fan wheel and a Visco® clutch. They are used with engines that are installed longitudinally and are placed in front of the radiator in the direction of travel.



Visco® Clutches

The Visco® clutch is tasked with making the frictional connection to the fan wheel and it influences the speed of the wheel depending on the temperature. There, a wear-free fluid friction is used to transfer the drive torque to the fan wheel. The electrically driven Visco® clutch is controlled directly by sensors. Cooling to match requirements improves the level of coolant temperature, engine noise and also fuel consumption.



Interior Heat Exchangers

The cabin heat exchanger is located inside the vehicle cabin underneath the dashboard. The air flow produced by the cabin fan blower is routed through the heat exchanger, which has hot coolant flowing through it. The air heated here is then discharged into the vehicle cabin.



Expansion Tanks

The expansion tank is used to collect the expanding coolant from the coolant circuit.



Oil Coolers

Engine oil coolers/transmission oil coolers ensure a nearly constant temperature spectrum. The intervals between oil changes can be extended and the service life of the engine increases. Behr's latest model is a compact and powerful stacked plate oil cooler. Since it does not need a coolant housing and is made completely of aluminum, it is lightweight and has low design space requirements.



Water Pumps

The water pump is usually powered mechanically. It transports the coolant through the circuit and builds up the system pressure. The water pump is usually connected to the drive by belts.



Compressors

The compressor is usually driven by the engine via a wedge belt or a ribbed V-belt. It compresses and transports the refrigerant in the system. There are different designs available. The refrigerant is sucked in as a gas at low temperature from the evaporator; it is then compressed. Subsequently it is forwarded in a gaseous state at high temperature and under high pressure to the condenser.



Condensers

The condenser is needed for cooling down the refrigerant that has become heated during compression in the compressor. The hot refrigerant gas flows into the condenser, discharging heat to the surroundings. The refrigerant becomes fluid again as a result of cooling: the hot gas flows at the top into the condenser and transfers heat to the surroundings via the pipe and fins. As a result of cooling down, the refrigerant exits the condenser at the lower connection in liquid state.



Filter Dryers

The filter elements of the air-conditioning system are either referred to as filter dryers or accumulators, depending on the type of system. The task of the filter-dryer is to remove impurities from the refrigerant and also to dehumidify it.



Expansion Valves / Throttle Valves


The expansion valve represents the point of separation between the high pressure and low pressure sections in the refrigerant circuit. It is installed upstream of the evaporator. To achieve optimum cooling capacity in the evaporator, the refrigerant flow is controlled by the expansion valve depending on the temperature. As a result, complete evaporation of the liquid refrigerant is ensured so that only gaseous refrigerant arrives at the compressor. Expansion valves are available in a variety of designs.

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