



- For BMW 5-series GT, 5-series limousine (F10) and 7-series limousine (F01 / F02) with automatic start/stop
- Continuous climate comfort in the summer even during the motor-stop phases
- Helps save fuel without a noticeable loss of comfort in the motor-stop phases

Product features



- The accumulator evaporator comprises two blocks: a main evaporator and an accumulator evaporator block.
- The refrigerant flows through both blocks in parallel during the cooling mode; the second medium in the accumulator block, a latent medium, is cooled so much that it freezes thereby "accumulating cold".
- During the stop phases, the latent medium is no longer cooled and starts to melt. The required heat is drawn from the cabin air that flows through the cold accumulator in the circulating air mode.
- When the vehicle is moving, the accumulator is charged again and the latent medium freezes.

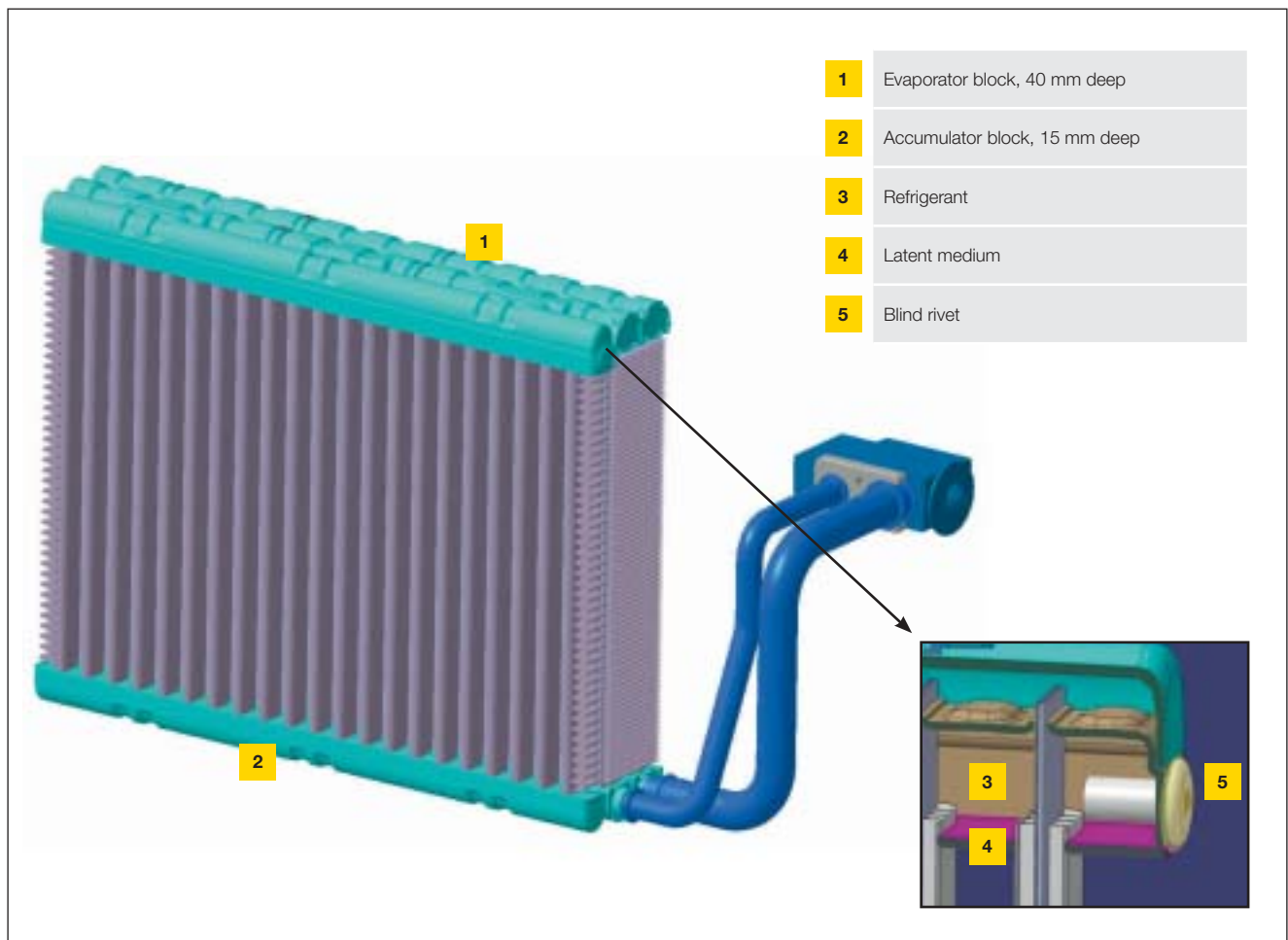
Product description

Micro hybrids are vehicles where the standard combustion motor is equipped with an automatic start/stop. **In contrast, mild hybrids** also have an additional (small) electro-motor and a powerful battery. The electrical auxiliary drive is only used as a support when starting and for greater power development when overtaking, the so-called "boost". **In the mild hybrid**, the battery can usually be charged by recovering braking energy.

The air conditioning system is powered by a belt-driven compressor. As this is idle when the motor is at a standstill, the climate comfort in the summer can be maintained during short stops, e.g. at traffic lights, by means of a cold accumulator, the so-called **accumulator evaporator**.

Due to the motor-stop phases, up to 8% fuel can be saved on average when driving in the city, if an accumulator evaporator is used. Without this cold accumulator, the motor often needs to be switched on again long before the end of the stop phase as the temperature inside the vehicle rises so quickly in warm weather and the risk of odours can develop. This means that the fuel-saving potential of the start/stop is reduced to around half.

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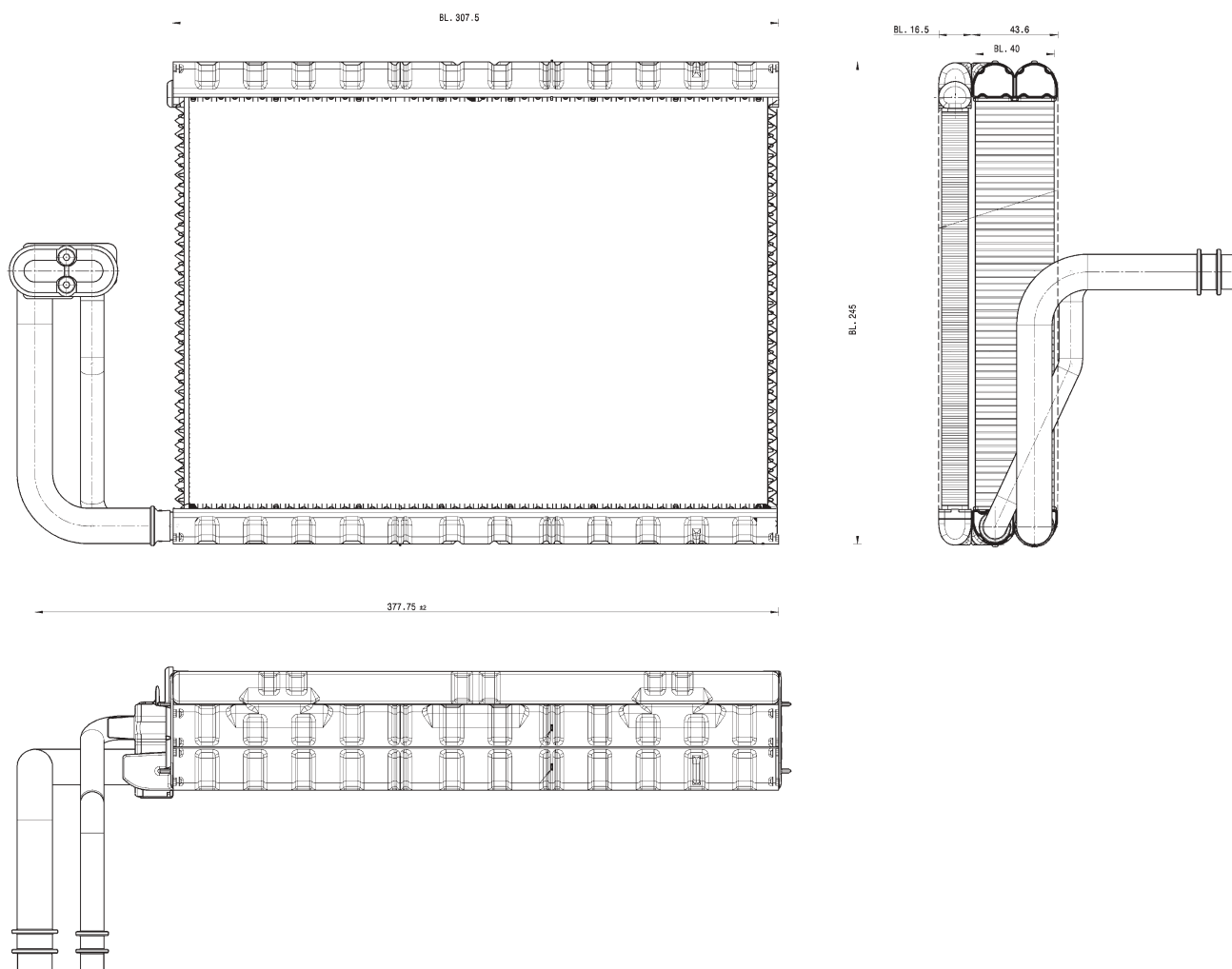


Technical details


General technical data

Block dimensions (W x H x D)	307 x 245 x 60 mm
Use	for refrigerant R134a

Technical drawings



Product overview

Product photo	Part numbers	OE numbers*	Description	PU
	8FV 351 331-111	9220752	Accumulator evaporator for BMW 5-series GT, 5-series limousine (F10) and 7-series limousine (F01 / F02) with automatic start/stop	1

* OE numbers are only for comparative purposes