

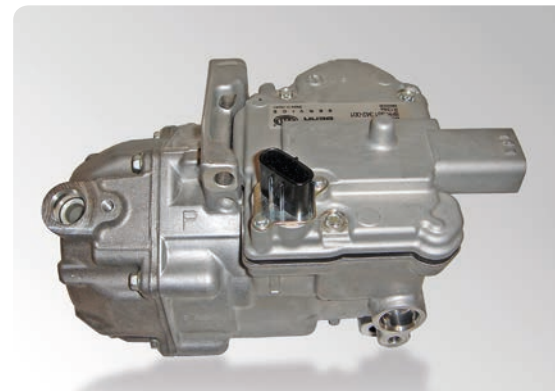
BRIEF INFORMATION

Electric-drive refrigerant compressor
for hybrid vehicles

- For Toyota Prius (ZVW30) 1.8
- Integrated inverter for high voltage
- Air-conditioning operation can be controlled by radio remote control
- Special lubricant required

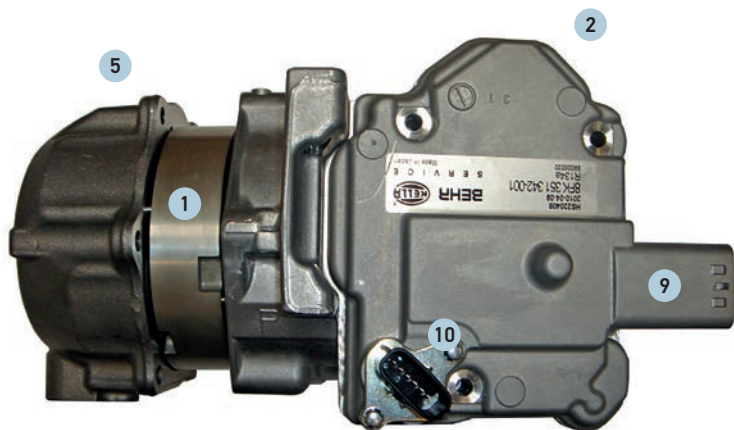
PRODUCT FEATURES

- First electric refrigerant compressor in the Behr Hella Service range.
- Scroll technology.
- ca. 20% less weight than the Toyota Prius II compressor.
- ca. 20% less capacity than the Toyota Prius II compressor.
- The electric drive allows use of the air-conditioning system even with the engine switched off.
- The compressor power is regulated by a control unit. The cooling capacity of the scroll compressor is regulated depending on speed.



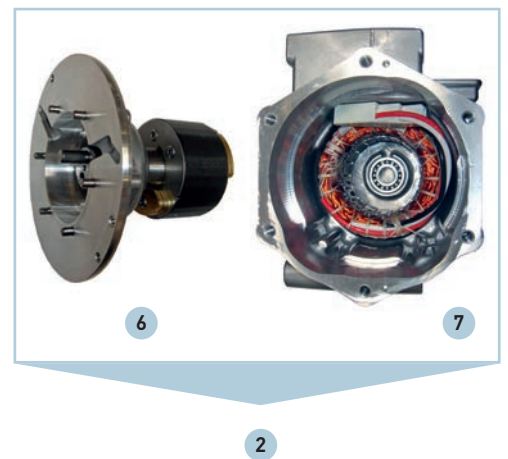
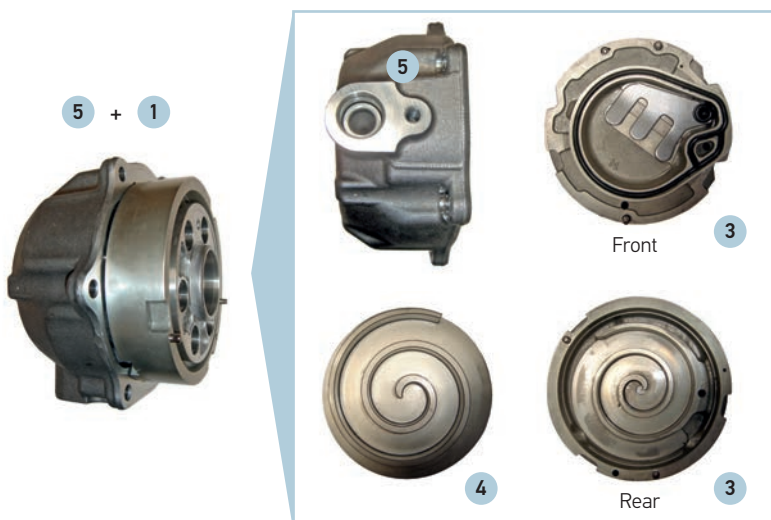
TECHNICAL DETAILS

EXPLODED VIEW



KEY

- 1 Scroll compressor unit
- 2 Electric motor unit
- 3 Fixed scroll unit with valve plate
- 4 Moving scroll unit
- 5 Compressor housing
- 6 Rotor (brushless)
- 7 Stator winding with housing
- 8 Inverter and control unit
- 9 High-voltage connection
- 10 Air-conditioning control unit connection
- 11 Low-pressure connection for refrigerant circuit
- 12 High-pressure connection for refrigerant circuit
- 13 Pressure relief valve



TECHNICAL DATA

Net weight	4,623 g
Gross weight	5,487 g
Drive	through 3-phase high-voltage with up to 288 V
Control unit or inverter	integrated
Oil filling quantity	ca. 140 ml*
Use	for refrigerant R134
Capacity	fix 140 ccm
Type	Denso ES14
Technology	Electric-drive scroll compressor

* To guarantee sufficient insulation for high-voltage parts of the compressor against the compressor housing and vehicle chassis, a special oil (Denso ND11 or comparable) with special insulating properties must be used.

Special safety measures must be heeded during work on hybrid vehicles (e.g. manufacturer's specifications)

PRODUCT OVERVIEW

PART NUMBER	OE NUMBERS*	DESCRIPTION	PU
8FK 351 342-001	88370-47030 88370-47031	Compressor, air-conditioning system TOYOTA PRIUS (ZVW30) 1.8	1

* OE numbers are only for comparative purposes

