

DENSO A/C Compressors

Original quality for the Aftermarket

- > DENSO is the world leader in compressors (over 40% OE market share)
- > All DENSO Compressors are new (no re-man parts)
- > No core charge or deposit
- > Compressor range is 100% OE
- > Highest product quality, extremely low warranty ratio
- > Compressors delivered as complete assemblies and filled with the right type of oil
- > 100% fit: Perfect match to vehicle specification

DENSO EUROPE B.V.
Hogeweyselaan 165
1382 JL Weesp
The Netherlands

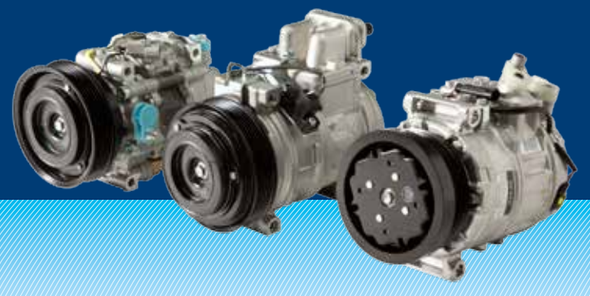
www.denso-am.eu

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DENSO

A/C Compressors

Superior OE quality for the Aftermarket



Driven by Quality

A/C Compressors | Unmatched reliability

Drivers and their passengers expect a comfortable cabin on every journey, in all weathers. Which is why car makers rely on DENSO – the world's number one manufacturer of original Thermal products – for advanced, efficient, reliable Heating, Ventilation and Air Conditioning Components. DENSO is also the world leader in A/C compressors, selected by top vehicle manufacturers such as Audi, BMW, Fiat, Mercedes, Porsche, Toyota and VW.

DENSO invests more than 9% of net sales in research and development each year. Just one of its pioneering innovations is the development of small, efficient compressors that enable air conditioning systems to be provided as standard for cars in the compact class.



Range | Technology based on experience

Global status | First choice for the world

For detailed information about compressor oil, warranty and installation, please refer to:
www.denso-am.eu



Experts in A/C

Take advantage of DENSO's complete A/C solution

Purpose of the compressor

The compressor is one of the main parts that comprise the refrigeration cycle.

- The compressor sucks and compresses low-temperature, low-pressure gas refrigerant that has been vaporized in the evaporator through the extraction of heat from the vehicle interior. The compressor then sends the resulting high-temperature, high-pressure gas refrigerant to the condenser, where it is readily liquefied.
- The compressor is driven by the engine via a belt from the engine and a power transmission device (magnetic clutch or DL pulley). There are also electric compressors that use electricity to drive a built-in motor.

The DENSO A/C Compressor range exist of 2 groups, reciprocal type and rotary type compressor.

1) **Reciprocating type (or piston type)**

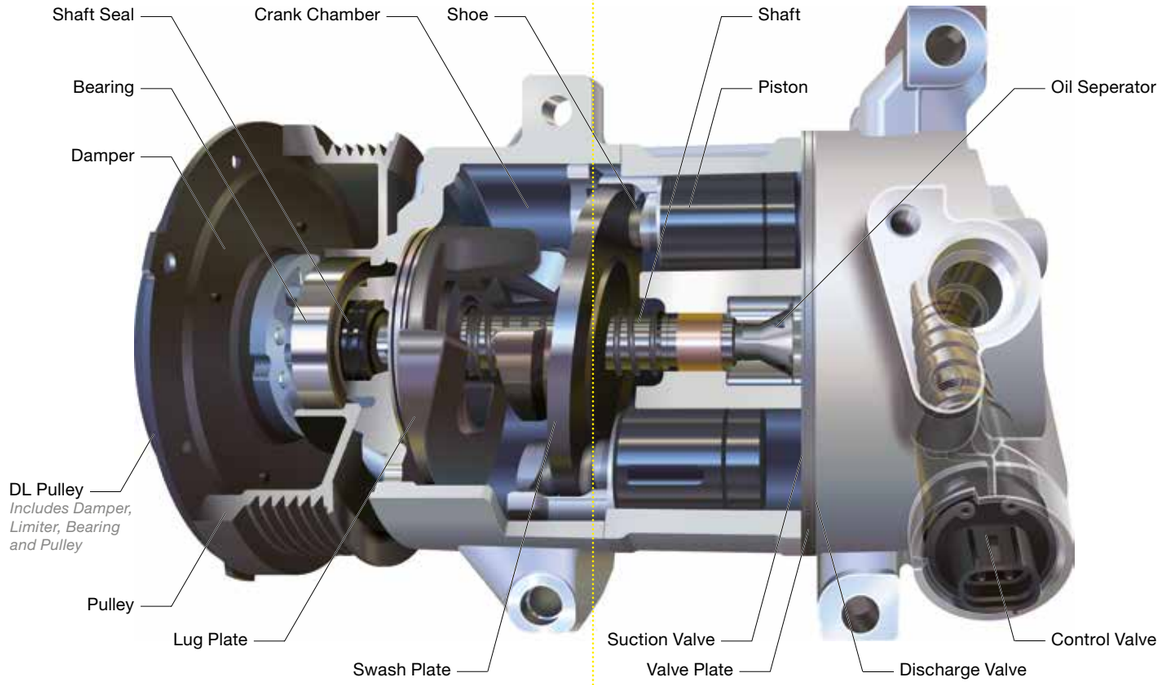
> Reciprocating type compressors are Dual Swash Plate, Singel Swash Plate and Wobble Plate types. The Single Swash Plate en Wobble Plate are variable type compressor. Compressor identification codes are: Dual Swash Plate, fixed displacement type: 10PA and 10S Single Swash Plate, variable displacement type: 5SE, 5TS, 5SL, 6SBU, 6SE, 7SB and 7SE Wobble Plate, variable displacement type: 6CA

2) **Rotary type**

> Sliding and Through vane are fixed displacement type. Compressor identification codes are: SV and TV.

> Scroll type compressor are fixed or variable type compressor Compressor identification codes are: Scroll, fixed displacement type: SC Electrical Scroll, variable type for hybrid vehicles: ES

VARIABLE CAPACITY TYPE COMPRESSOR



Our complete, OE quality A/C aftermarket programme reflects DENSO's outstanding OE engineering knowledge, setting the international benchmark for technology and quality. We will continue to expand our ranges in order to deliver a complete thermal product offering, including all relevant service parts:

> Condensers
> Receiver Driers
> Expansion Valves
> Pressure Switches

DENSO recommends the following compressor oils:

Compressor Type	Refrigerant Type	Oil Type
10PA / 10 S /SBU / SE / SL /SC	R134a	ND-oil 8 (equivalent to PAG 46*)
	R1234yf	ND-oil 12 (equivalent to PAG 46* + additives)
Vane-type blower (TV)	R134a	ND-oil 9 (equivalent to PAG 100*)
	R1234yf	discontinued
Electrical Type (ES)	R134a	ND-oil 11 (equivalent to POE oil)
	R1234yf	

All warranty is void when using the wrong type of oils or oil mixtures. This will inevitably reduce the lifetime or possibly damage the compressor.

* double end capped oil