

# Compressors

## HIGH-EFFICIENCY, SUSTAINABLE COMPRESSOR SOLUTIONS

### Compressor Development Services

Customised solutions for the selection and technological development of compressors.

Scroll compressors designed for HVAC and heat pump systems for electric and hybrid vehicles, and piston compressors for stationary applications. Ensuring durability, high energy efficiency and low environmental impact by using natural refrigerants (R744 and R290).

### Benefits

#### Low Noise & Vibration

The scroll compressors feature smooth, quiet operation.

#### Cost Effective

Enhanced energy efficiency and low maintenance requirements lead to long-term cost savings.

#### Versatile

Suitable for a variety of use cases, from automotive HVAC to residential heat pumps and large-scale industrial refrigeration.

#### High Efficiency

Precise control over heating and cooling, optimizing energy consumption and performance.

#### Quality Assurance

Our quality-focused development process, including DFMEA, PFMEA, and control plans

#### Environmental Impact

Natural Refrigerant compatibility, low Global Warming Potential and PFAS chemicals free.

### Technical Specifications

#### Pressure

Delta-P: from 200 mbar up to 100 bar in single stage

#### Speed Range

From 500 to >10.000 rpm

#### Versatile

For chemical and natural refrigerants as well as other fluids

#### Technology

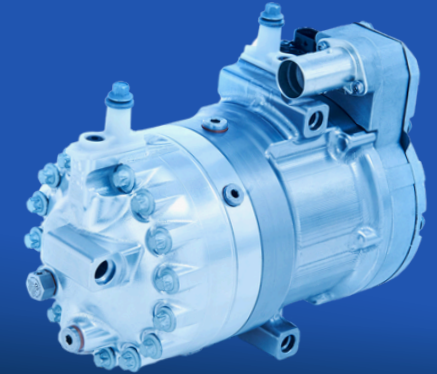
Lubricated and dry scroll compressor technology

#### Design

Passive Back Pressure system

#### Applications

A/C compressors, Heat Pump and AC mechanism layout



Scroll Compressors

### Technical Specifications

#### Pressure

Active Oil Separation and Intelligent Oil Management

#### Speed Range

Improved Valve System for High Speed

#### Applications

Designed for stationary refrigeration and air condition

#### Technology

0,5 to 100kWe rolling piston & piston compressors with multiple cylinder arrangements

#### Design

Electrically Piston Compressor with inline or "V" Geometry

#### Efficiency

Smart Heat Management for Highest Efficiencies



Piston Compressors