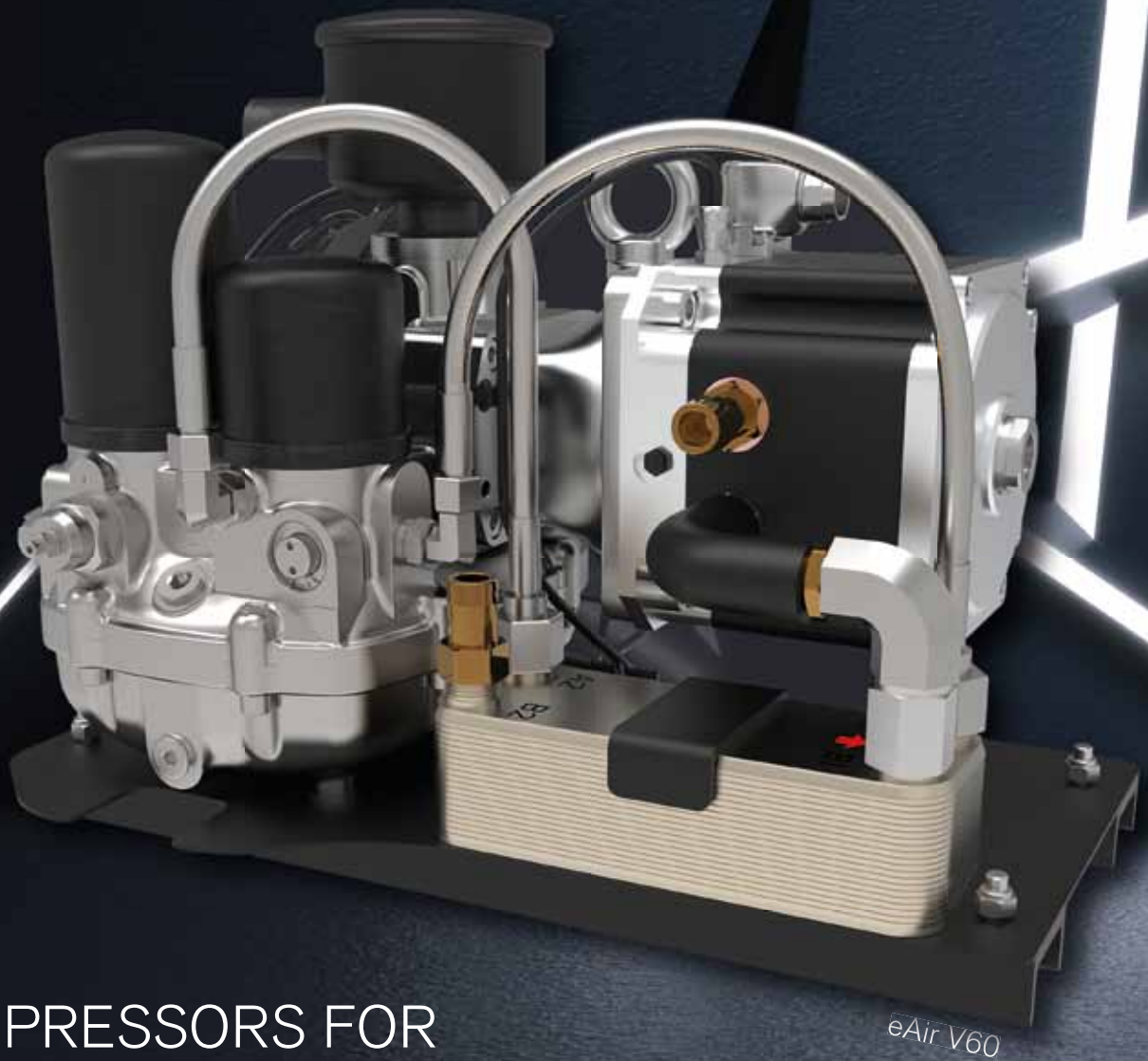


# SMART DRIVES FOR ELECTRIC COMMERCIAL VEHICLES

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teg

ELECTRICAL  
DRIVE  
ENGINEERING



eAir V60

## eAir COMPRESSORS FOR MOBILE APPLICATIONS

- variable speed permanent magnet motor
- compact design & low weight
- low noise & vibration due to screw compressor technology
- high power density & efficiency
- liquid cooled (water/glycol)
- long life expectancy, little maintenance requirements & costs
- developed for on-/off-road application

# MAXIMUM POWER IN SMALLEST DIMENSIONS

MOTEG air compressors have been developed specifically for use in mobile applications. They offer the best solution between power, size, weight, noise, efficiency and costs. In combination with the MOTEG MMA-Series electric motors, that have been especially designed for use in mobile applications, they offer for electric commercial vehicles with both high air demand (max 500 l/min @ 10 bar) and high pressure (max 15 bar) the optimum solution.

- operation with HV-frequency inverter, no DC/DC-converter necessary
- suitable battery supply voltage (DC): 300 V – 800 V
- available motor voltages (AC): 230 V<sub>RMS</sub> & 400 V<sub>RMS</sub>
- optional with rotor-position-sensor (sin/cos-encoder)
- automatic compressor temperature & dehumidification management  
→ large duty cycle (0 - 100%)
- On-Demand control software (optional)  
→ noise reduction
- connection to the CAN-Bus via J1939 and UDS (optional)
- IP 67 protection class
- customizable coolant connectors



Type	Rated Pressure [bar]	Flow-Rate* [l/min]	Nominal Speed (speed range) [min <sup>-1</sup> ]	Noise** [dB(A)]	Motor Voltage [VAC]	Motor Power [kW]	Dimensions (l x w x h) [mm]	Weight [kg]
eAir V60 W2-80-60	12,5	270/325	3000 (1000-3500)	68	230/400	3,6	500 x 320 x 350	28,8
eAir EVO1 W2-80-60	15	430/490	3300 (2800-3800)	68	230/400	5,5	545 x 371 x 422	57,1

\* @ rated speed/max speed @ 10 bar

\*\* @ 2500/3500 min<sup>-1</sup> @ 10 bar (V60/EVO1)

