

# SMART ALL IN ONE DRIVES FOR ELECTRIC COMMERCIAL VEHICLES



## eAir READY 2 USE AIR COMPRESSORS FOR MOBILE APPLICATIONS

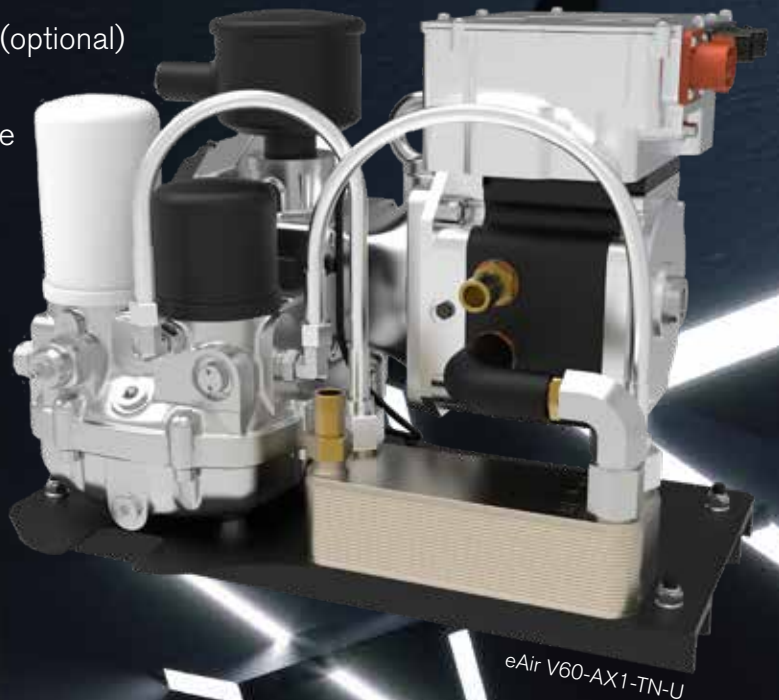
- variable speed permanent magnet motor
- integrated inverter
- compact design & low weight
- low noise & vibration due to screw compressor technology
- high power density & efficiency
- liquid cooled (water/glycol)
- long life expectancy, little maintenance requirements & costs
- developed for on-/off-road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

# 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 80 Series electric motors and the new MOTEG HV inverter, both especially designed for mobile applications, they offer the optimum solution for electric commercial vehicles with both high air demand (max. 490 l/min @ 10 bar) and high pressure (max. 15 bar)

- All in One Plug & Play: HV inverter / HV motor / control software
- Integrated inverter ⇒no DC/DC-converter, no AC-motor cable, no separate electronic necessary
- Battery supply voltage (DC nominal): 300 V - 800 V
- High Voltage Interlock (HVIL)
- CAN 2.0B/J1939 communication with UDS (optional)
- Cybersecurity & functional safety ready
- Automatic and smart compressor temperature & dehumidification management  
⇒large duty cycle (0-100%)
- On-demand control software  
⇒noise reduction
- IP67 protection class
- Customizable coolant connectors



Type	Voltage [V <sub>DC</sub> ]	Rated Pressure [bar]	Flow Rate* [l/min]	Rated Speed (speed range) [min <sup>-1</sup> ]	Noise Level** [db(A)]	Motor Power*** [kW]	Dimensions (l x w x h) [mm]	Weight [kg]
eAir-V60-AA1-U	560-800	12,5	270/325	3000 (1000-3500)	68	3,6	522 x 330 x 350	31,8
eAir-V60-AC1-U	325-400	12,5	270/325	3000 (1000-3500)	68	3,6	522 x 330 x 350	31,8
eAir-EVO1-AA1-U	560-800	15	430/490	3300 (2800-3800)	68	5,2	577 x 371 x 408	61
eAir-EVO1-AC1-U	325-400	15	430/490	3300 (2800-3800)	68	5,2	577 x 371 x 408	61

\* @3000 min<sup>-1</sup> @ 10 bar / 3500 min<sup>-1</sup> @ 10 bar (eAir V60)

\* @3300 min<sup>-1</sup> @ 12,5 bar / 3800 min<sup>-1</sup> @ 10 bar (eAir EVO1)

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

\*\* @ 3300 min<sup>-1</sup> @ 10 bar (eAir EVO1)

\*\*\* @ 3000 min<sup>-1</sup> @ 12,5 bar (eAir V60)

\*\*\* @ 3750 min<sup>-1</sup> @ 15 bar (eAir V60)