

# SMART DRIVES FOR ELECTRIC COMMERCIAL VEHICLES

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ELECTRICAL  
DRIVE  
ENGINEERING

Part of Poclairn Group



## MMA 80 ELECTRIC MOTOR SERIES

- Variable speed permanent magnet motor
- Compact design & low weight
- Low noise & vibration
- High power density & efficiency (92-94%)
- Liquid cooled (water, glycol or oil)
- Usuable in on-/off-road and stationary applications
- Freely placeable within the vehicle & no maintenance

# MAXIMUM POWER IN SMALLEST DIMENSIONS



MOTEG electric motors have been developed specifically for use in mobile applications. They offer the best solution between power, size, weight, noise, efficiency and costs. Compared to standard induction motors, our electric motors of the MMA-Series are up to 6-times lighter, 75% shorter and up to 3 design sizes smaller.

- Maximum torque available throughout the complete speed range
- Customized shafts, flanges and coolant connectors possible
- IP67 protection class
- Operation with HV-frequency inverter, no DC/DC-converter necessary
- Suitable battery supply voltage (DC): 300V-800V
- Available motor voltages (AC): 230 V<sub>RMS</sub> & 400 V<sub>RMS</sub>



Type	Motor Voltage [VAC]	Motor Power [kW]	Rated/Max Speed [min <sup>-1</sup> ]	Rated/Max Torque [Nm]	Rated/Max Current [A <sub>RMS</sub> ]	Dimensions (l x w x h) [mm]	Weight [kg]
MMA 80-8-AA1	400	5,2	3000/3800	16,5/21,5	11,5/15,4	140 x 157 x 190	8,6
MMA 80-8-AC1	230	5,2	3000/3800	16,5/21,5	19,8/26,1	140 x 157 x 190	8,6
MMA 80-8-BA1	400	4	1500/1500	25,5/41,5	8,1/13,5	170 x 157 x 190	11
MMA 80-8-BC1	230	4	1500/1500	25,5/41,5	14,0/23,3	170 x 157 x 190	11
MMA 80-8-BC1	400	7,9	3000/3000	25/41,5	13,8/23,8	170 x 157 x 190	11
MMA 80-8-BD1	230	7,9	3000/4000	25/41,5	23,9/40	170 x 157 x 190	11
MMA 80-8-CA1	400	10	3000/4000	32/67,5	16,5/38	215 x 157 x 190	13,8
MMA 80-8-CB1	230	10	3000/4000	32/52,5	28,6/49,5	215 x 157 x 190	13,8