



Parker Releases the GVM

The Global Vehicle Motor (GVM) Series of PMAC traction motors is the most comprehensive offering available!

Parker's Electromechanical Automation Division is pleased to announce the first phase of its traction motor launch: the GVM210.

The GVM traction motor series is a highly advanced electric machine intended to be used in electric and hybrid electric vehicle traction applications. Preproduction units are being used and tested in major vehicle programs around the world, and with the official launch, the GVM is available as a standard, off-the-shelf production unit.

Phase 1 of the release includes a 210mm frame size. Within this frame size, there are 6 rotor lengths and numerous winding variations. Those variations together allow the GVM210 to have more than 100 combinations of base speed and peak power output for ultimate scalability and fine-tuning of the vehicle's performance.



Some key features of the GVM:

- Peak power from 8kW to 325kW
- Peak torque from 76Nm to 703Nm
- Base speed range from 843rpm to 7575rpm
- Peak power densities up to 4.2kw/kg
- Operating voltages from 24VDC to 800VDC
- Tested and validated to SAE J1455 environmental standards
- Highly efficient rotor and stator design yielding up to 20% more range per charge
- Patent-pending cooling configuration uses WEG or ATF (oil)
- Manufactured in the USA and Europe

“With the launch of this exciting product, Parker will be able to deliver standard traction motors that can be matched to the vehicle's needs – exactly,” said Jay Schultz, Industry Market Manager for Parker Hannifin. “Vehicle designers no longer have to compromise on a motor with performance that is ‘close enough.’”

To download the 32-page GVM210 technical catalog, complete with performance and part numbering tables, visit www.parker.com/hev.

Future releases will include a 142mm, 310mm and 470mm frame size – all with the same scalability and high performance.

www.parkermotion.com