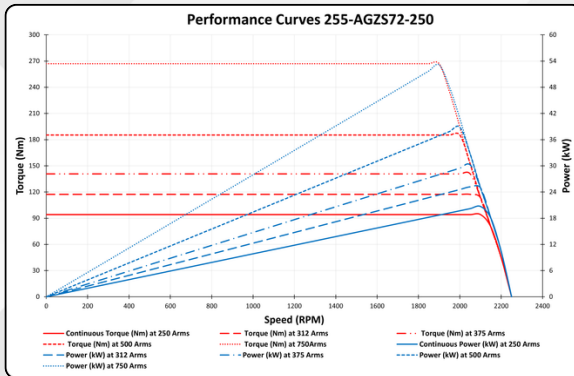




## Applications...



Construction & Mining  
Equipment



Electric & Hybrid  
vehicles/equipment



Farm & Agricultural  
Equipment



Industrial Automation

| Model No.                            | 255-AGZS72-250                      |
|--------------------------------------|-------------------------------------|
| Rated power (kW)                     | 19                                  |
| Peak power (kW)                      | 53                                  |
| Rated speed (RPM)                    | 2000                                |
| Rated voltage (V)                    | 72 VDC                              |
| Rated current (Amps)                 | 250 Arms                            |
| Peak current (Amps)                  | 750 Arms                            |
| Rated torque (Nm)                    | 94                                  |
| Peak torque (Nm)                     | 267                                 |
| Rated frequency (Hz)                 | 166.66                              |
| Torque constant (Nm/Arms)            | 0.376                               |
| Voltage constant (Vrms/rad/s)        | 0.343                               |
| Rotor inertia (kg/m <sup>2</sup> sq) | 0.03465                             |
| Number of phases                     | Three Phase                         |
| Power factor                         | ≈ 1                                 |
| Efficiency                           | Designed for 93%                    |
| Winding method                       | Star/Y                              |
| Insulation class                     | H                                   |
| Insulation resistance                | >500 Mohm at 500 Vdc                |
| Motor type                           | PM Synchronous                      |
| Protection class                     | >IP64                               |
| Winding material                     | 100% Copper                         |
| Shaft material                       | Hardened EN 24                      |
| Magnet                               | NdFeB                               |
| Temperature sensor                   | PT 1000                             |
| Max winding sensor temperature       | 150° C                              |
| Core.                                | Cold Rolled Silicon Steel           |
| Bearings                             | 6008-2Z/C3, 6006-2Z/C3              |
| Cooling                              | Natural Air Cooled, Forced Air Cool |
| Weight (Kg)                          | 56 Kg                               |
| Mounting                             | Flange, Foot                        |