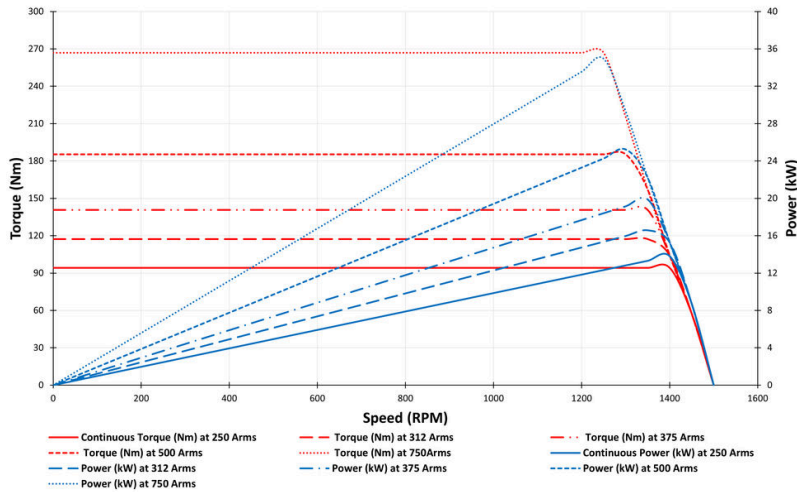


Performance Curves 255-AGZS48-250



Applications...



Construction & Mining
Equipments



Electric & Hybrid
vehicles/equipment



Farm & Agricultural
Equipments



Industrial Automation

Model No.	255-AGZS48-250
Rated power (kW)	12
Peak power (kW)	35
Rated speed (RPM)	1300
Rated voltage (V)	48 VDC
Rated current (Amps)	250 Arms
Peak current (Amps)	750 Arms
Rated torque (Nm)	94
Peak torque (Nm)	267
Rated frequency (Hz)	108.33
Torque constant (Nm/Arms)	0.376
Voltage constant (Vrms/rad/s)	0.352
Rotor inertia (Kg/m ² 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