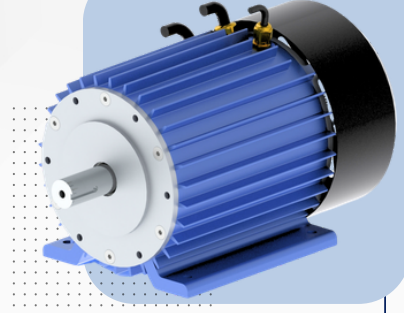
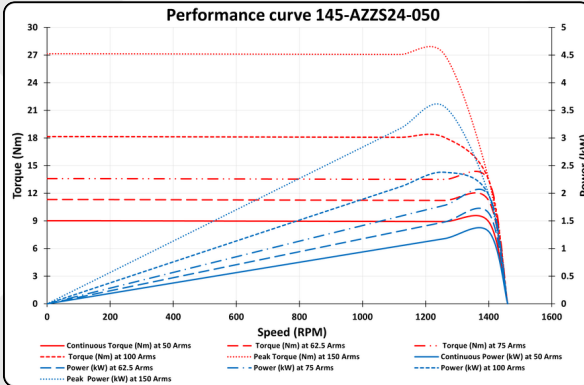


145-AZZS24-050

TECHNICAL DATASHEET



Applications...



Construction & Mining
Equipments



Electric & Hybrid
vehicles/equipment



Farm & Agricultural
Equipments



Industrial Automation

Model No.	145-AZZS24-050
Rated power (kW)	1
Peak power (kW)	3.6
Rated speed (RPM)	1200
Rated voltage (V)	24 VDC
Rated current (Amps)	50 Arms
Peak current (Amps)	150 Arms
Rated torque (Nm)	9
Peak torque (Nm)	27
Rated frequency (Hz)	80
Torque constant (Nm/Arms)	0.18
Voltage constant (Vrms/rad/s)	0.191
Rotor inertia (Kg/m ² sq)	0.001639
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	6206-2Z/C3, 6206-2Z/C3
Cooling	Natural Air Cooled, Forced Air Cool
Weight (Kg)	18 Kg
Mounting	Flange, Foot



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