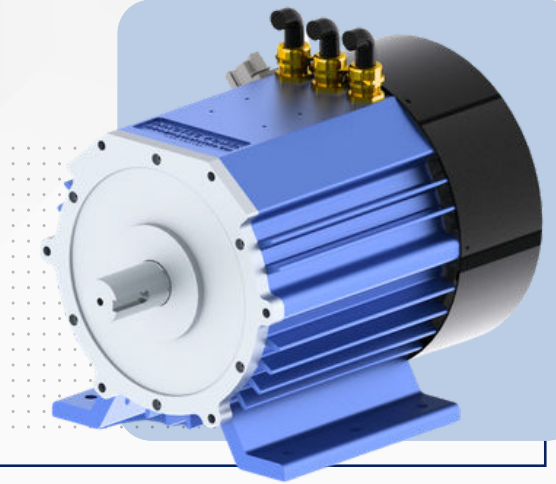
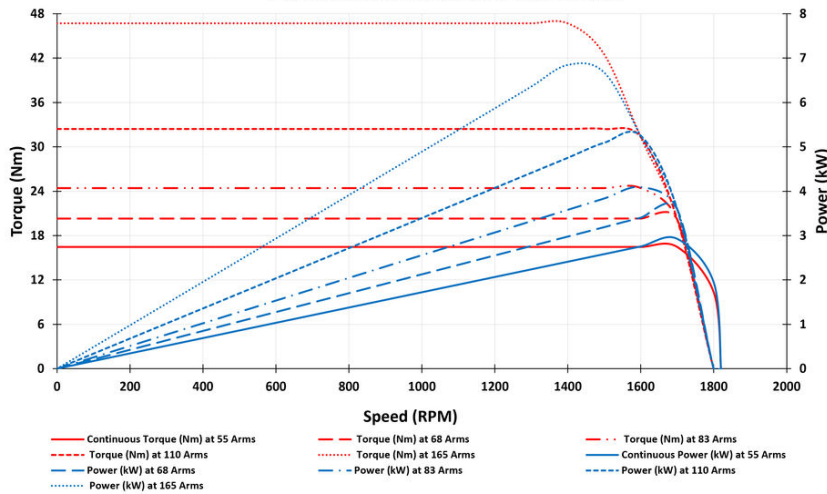


255-CZS48-055

TECHNICAL DATASHEET



Performance curve 255-CZS48-055



Applications...



Construction & Mining Equipments



Electric & Hybrid vehicles/equipment



Farm & Agricultural Equipments



Industrial Automation

Model No.	255-CZS48-055
Rated power (kW)	2.5
Peak power (kW)	6.8
Rated speed (RPM)	1500
Rated voltage (V)	48 VDC
Rated current (Amps)	55 Arms
Peak current (Amps)	165 Arms
Rated torque (Nm)	16.5
Peak torque (Nm)	46.7
Rated frequency (Hz)	125
Torque constant (Nm/Arms)	0.3
Voltage constant (Vrms/rad/s)	0.305
Rotor inertia (Kg/m ² sq)	0.004057
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)	23 Kg
Mounting	Flange, Foot



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