



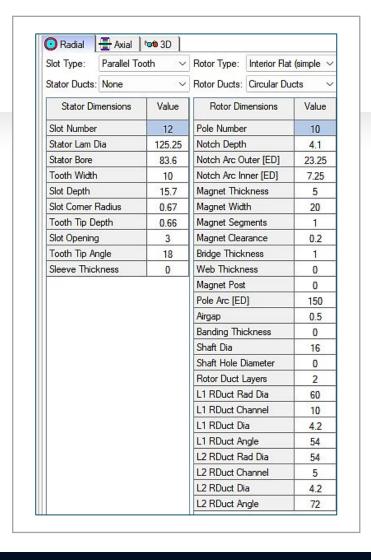
### INPUT





#### Data Input

#### **Conventional Tools**



#### Motor Mojo



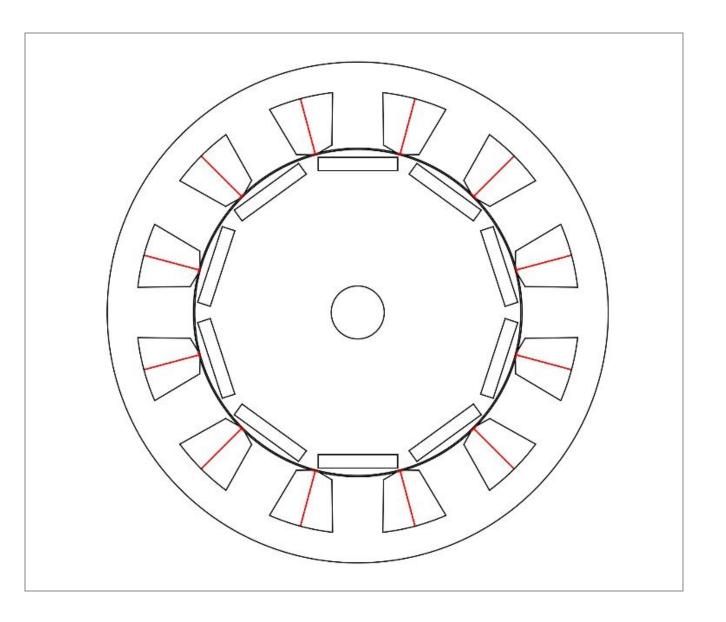


### OUTPUT



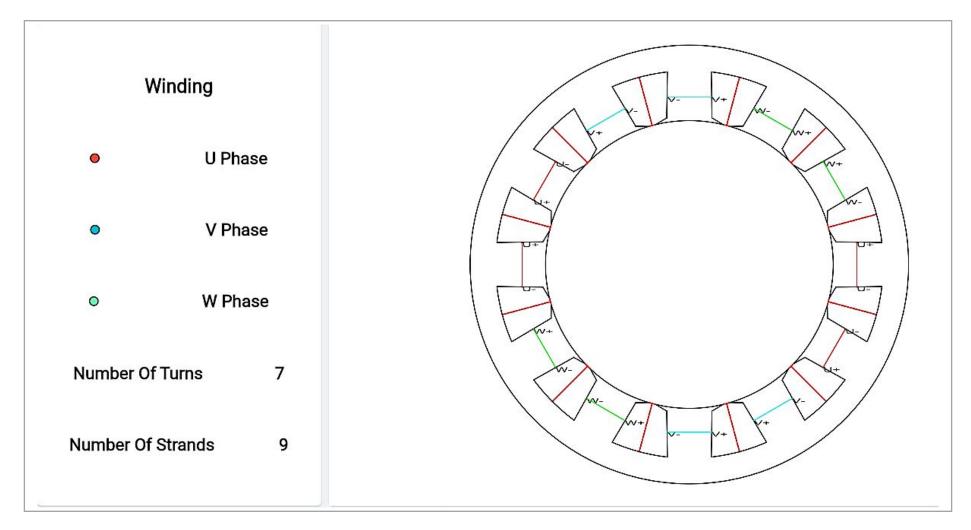


## Design



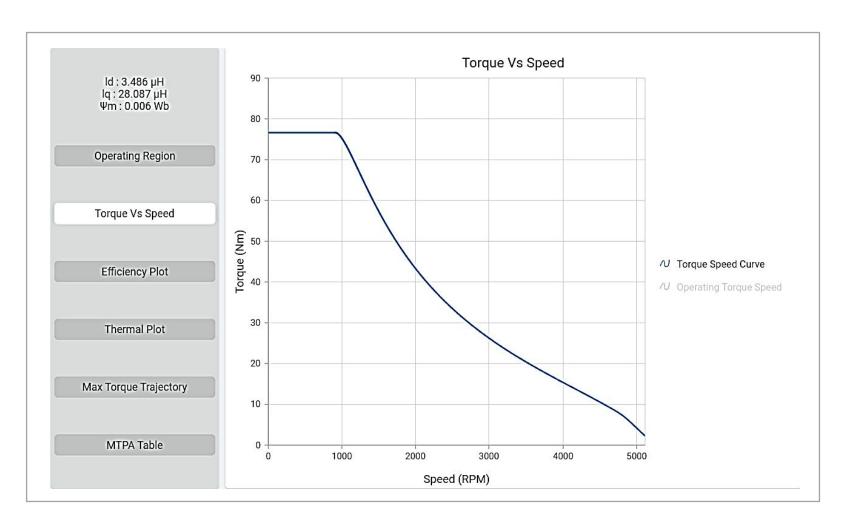


#### Winding Diagram



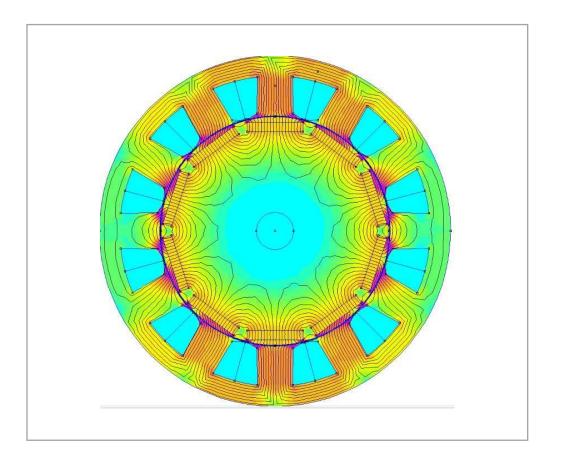


### Torque-Speed Curve

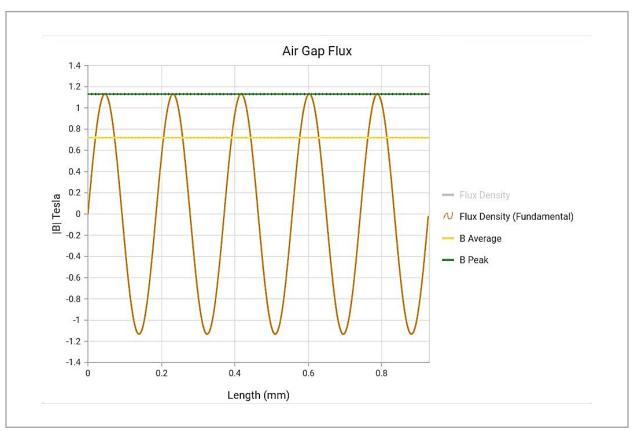




#### Flux Density Diagram

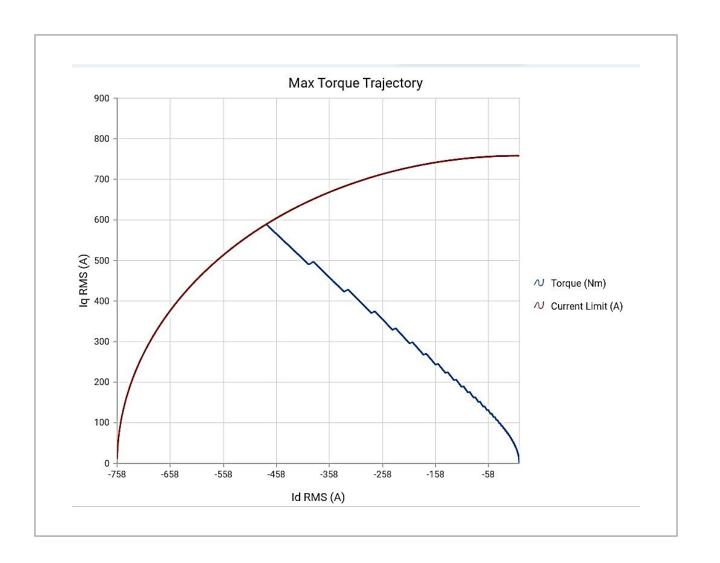


#### Air Gap Flux



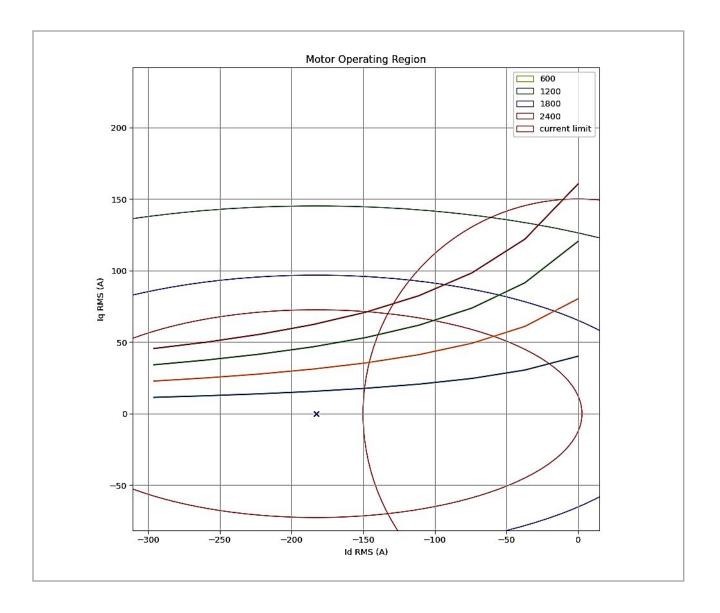


## MTPA – Maximum Torque Per Ampere



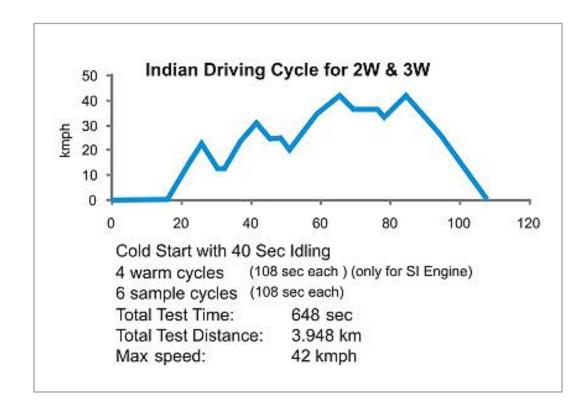


### Flux Weakening





#### Drive Cycle And Range



Parameters	Value
DC Voltage (V)	320
DC Current max (A)	1074
Back-EMF Constant (V/Krpm)	12.05
Torque Constant (Nm/A)	0.20
RMS Current Max (A)	1044
Energy Consumption (Wh/Km)	140
Range (Km)	308



# Thank you

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