



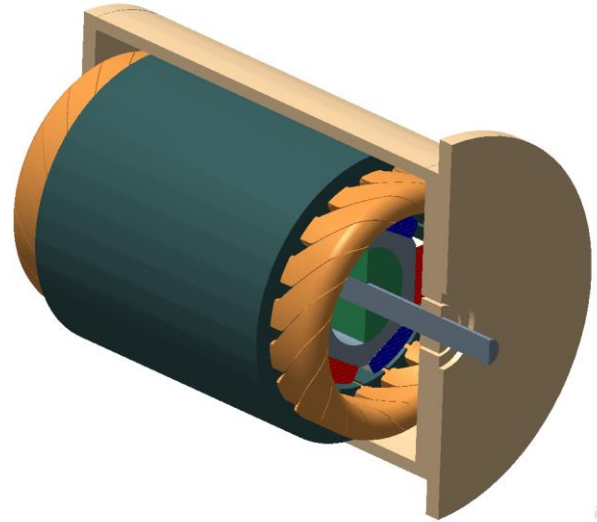
Composite Motors

CMI-8145-XX

This motor is a prototype proof of concept based upon MotorSolve simulation package. Revised inputs for the motor include;

- 27 Volt
- 700+ Watt
- 0.5 Nm Rated Torque
- 13000 Rated RPM

Below are specifications for an applied CMI motor that could fit those specifications.



Specifications	
Voltage	27 V
Amperage	30 Amp
Diameter	1.67"
Length	1.67" (Stack) 3.9" (Motor)
# Poles	6 Poles
# Slots	18 Slots
Stall Torque	77 Oz-In. [.54 Nm]
Continuous Torque	70 Oz-in. [.5 NM]
No-Load Speed	13300 RPM
Efficiency	~ 93%
Temp, Max	150 °C
# of Turns	2 Turns
# Wires-in-Hand	9 WIH
Bare Slot Fill Factor	40.8%
L-L Resistance	31.5 mΩ
End Wind Inductance	.6405 μH