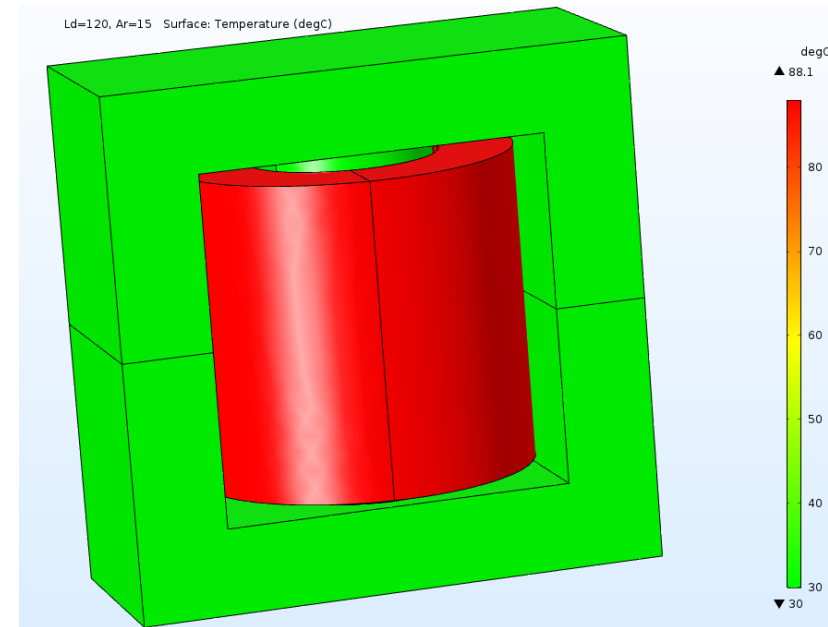
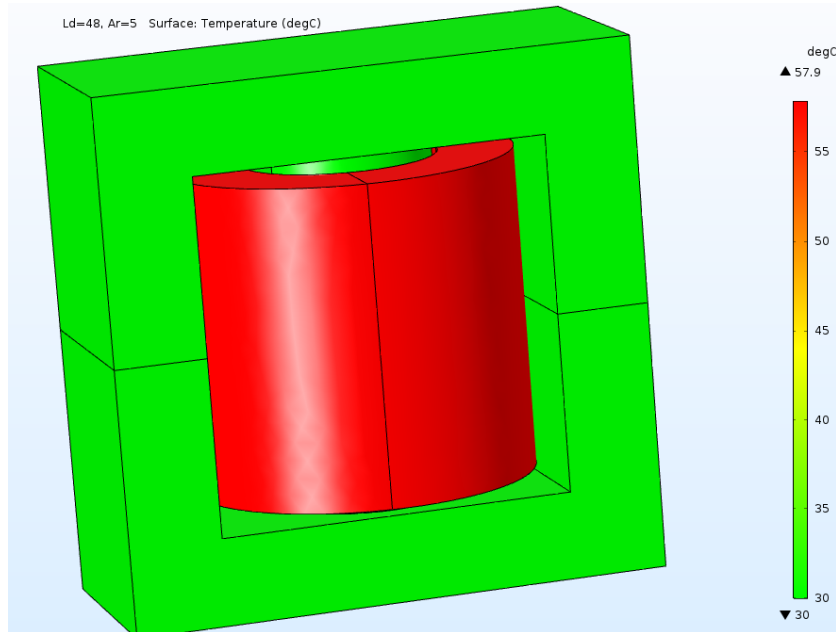
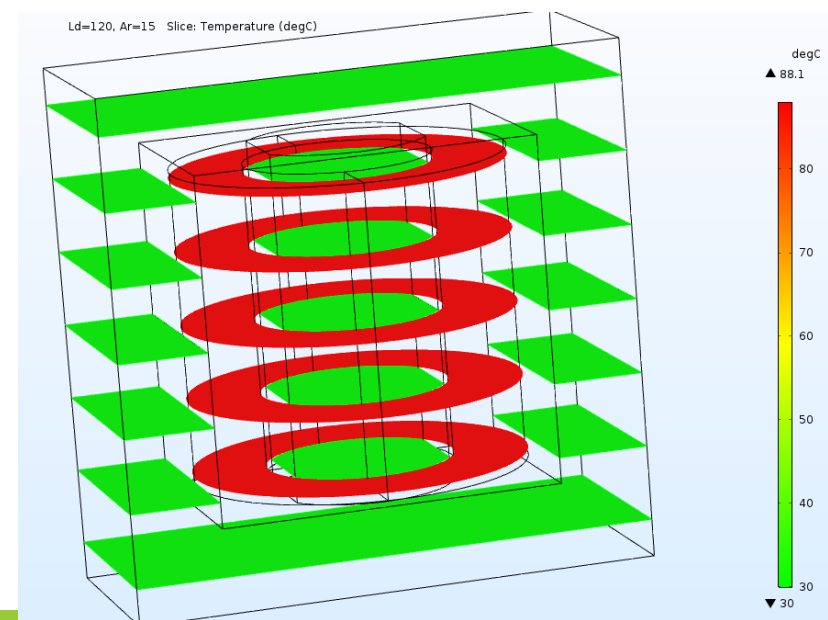
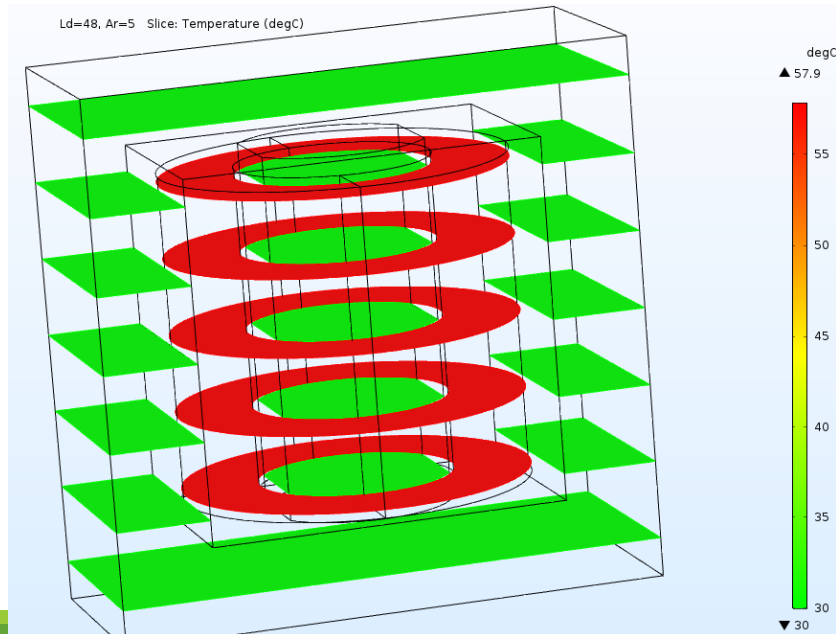


Thermal and Electromagnetics simulation – Part # EK55246-260M-160AH – Current rated 160A @ 10kHz

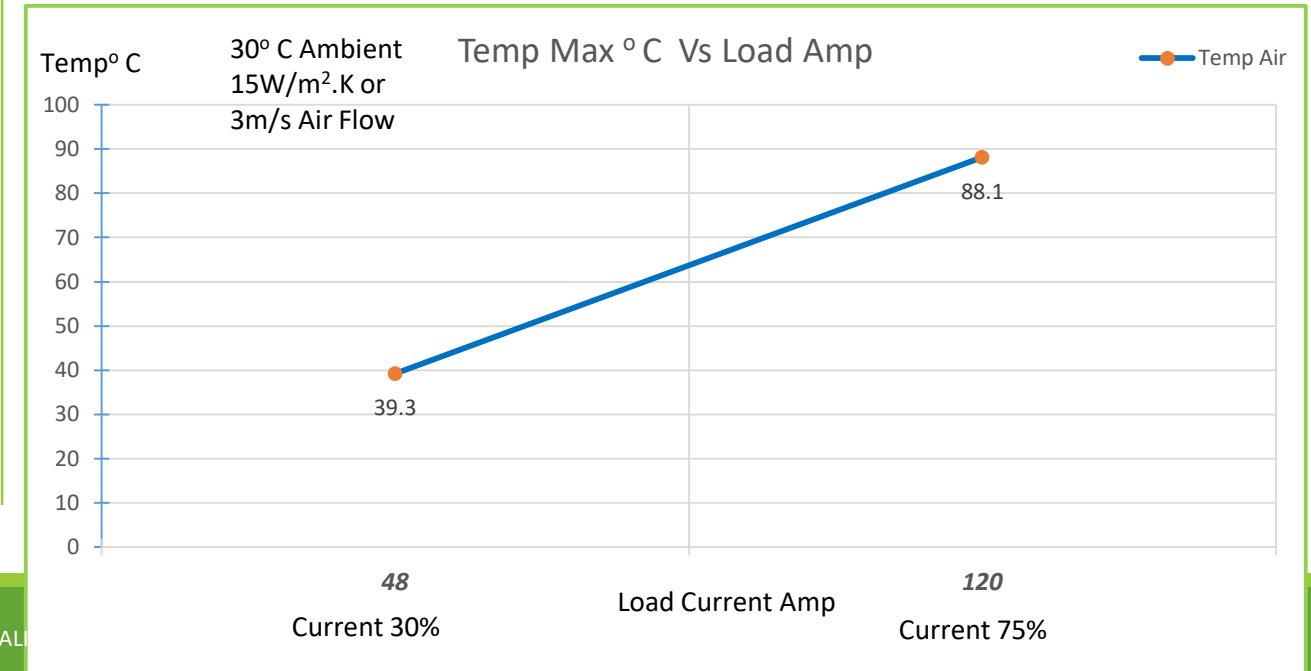
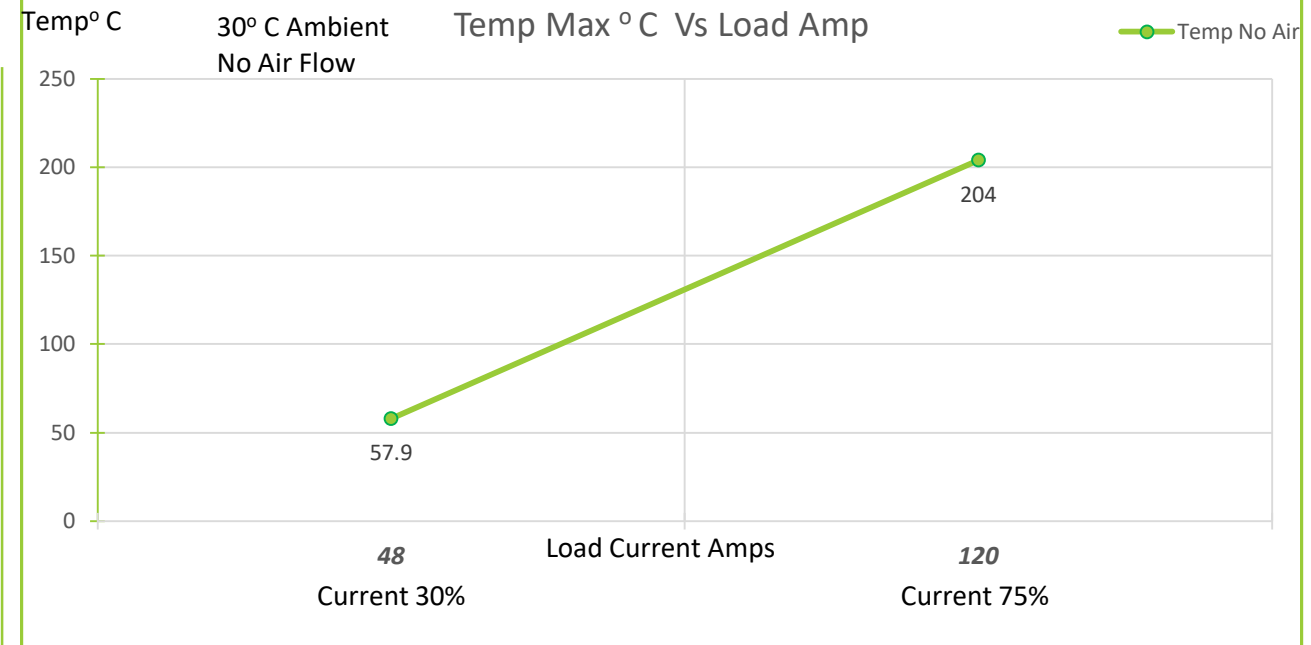
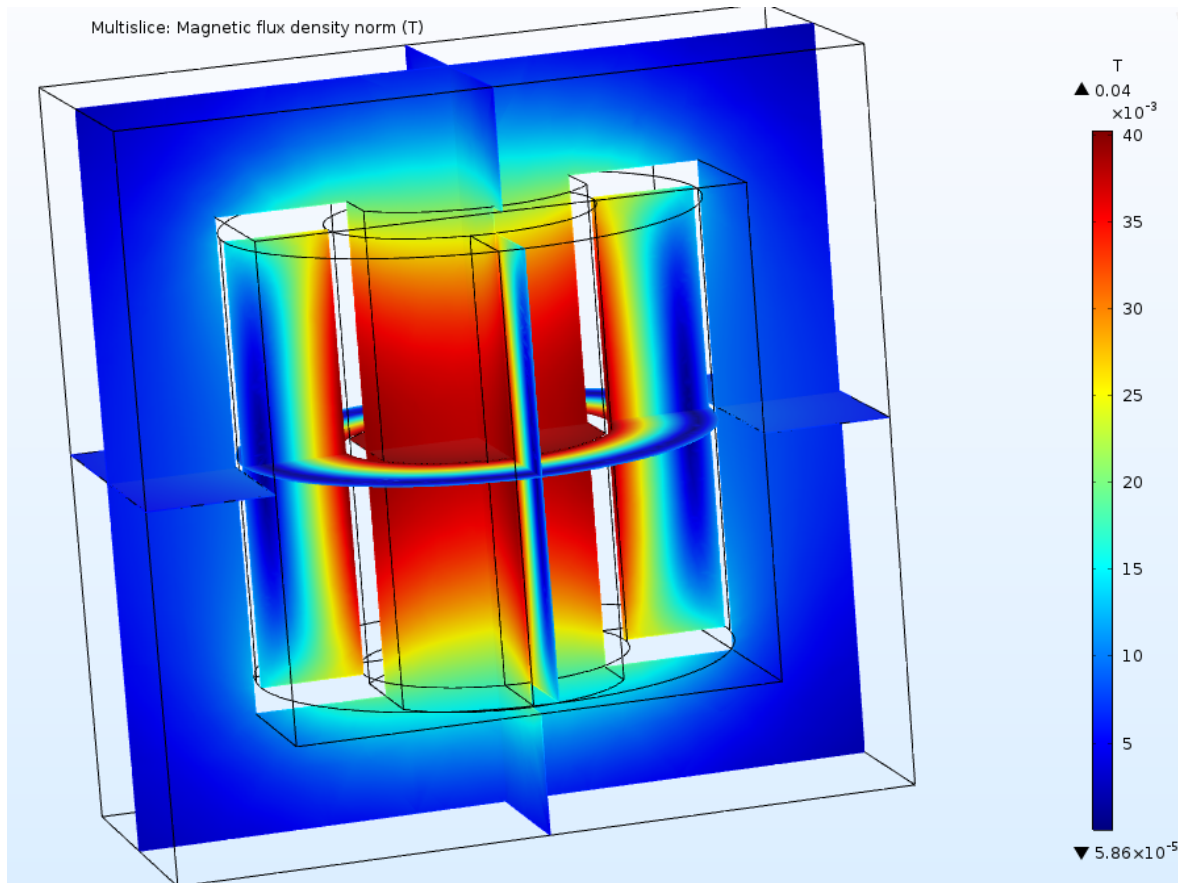
Current 30% (48 A)
No Airflow
Natural convection



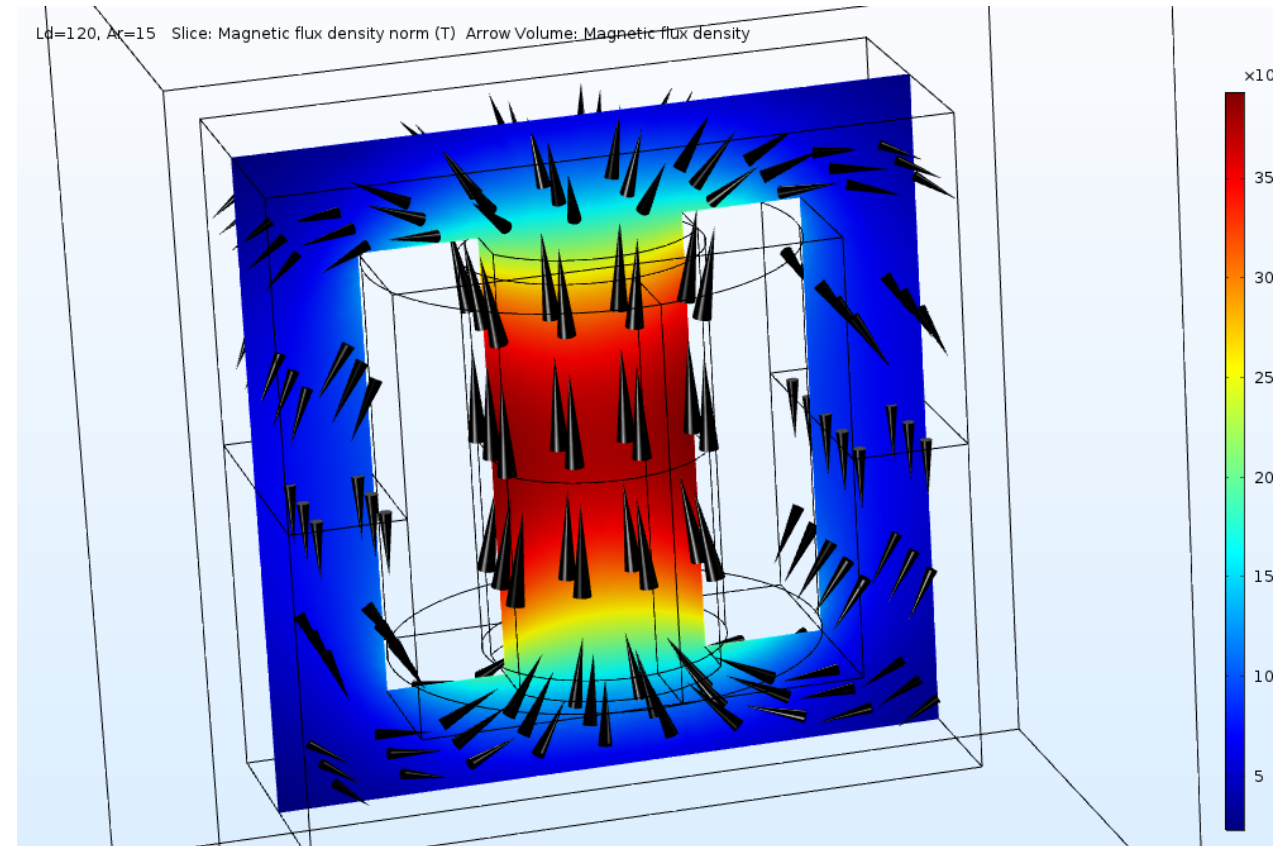
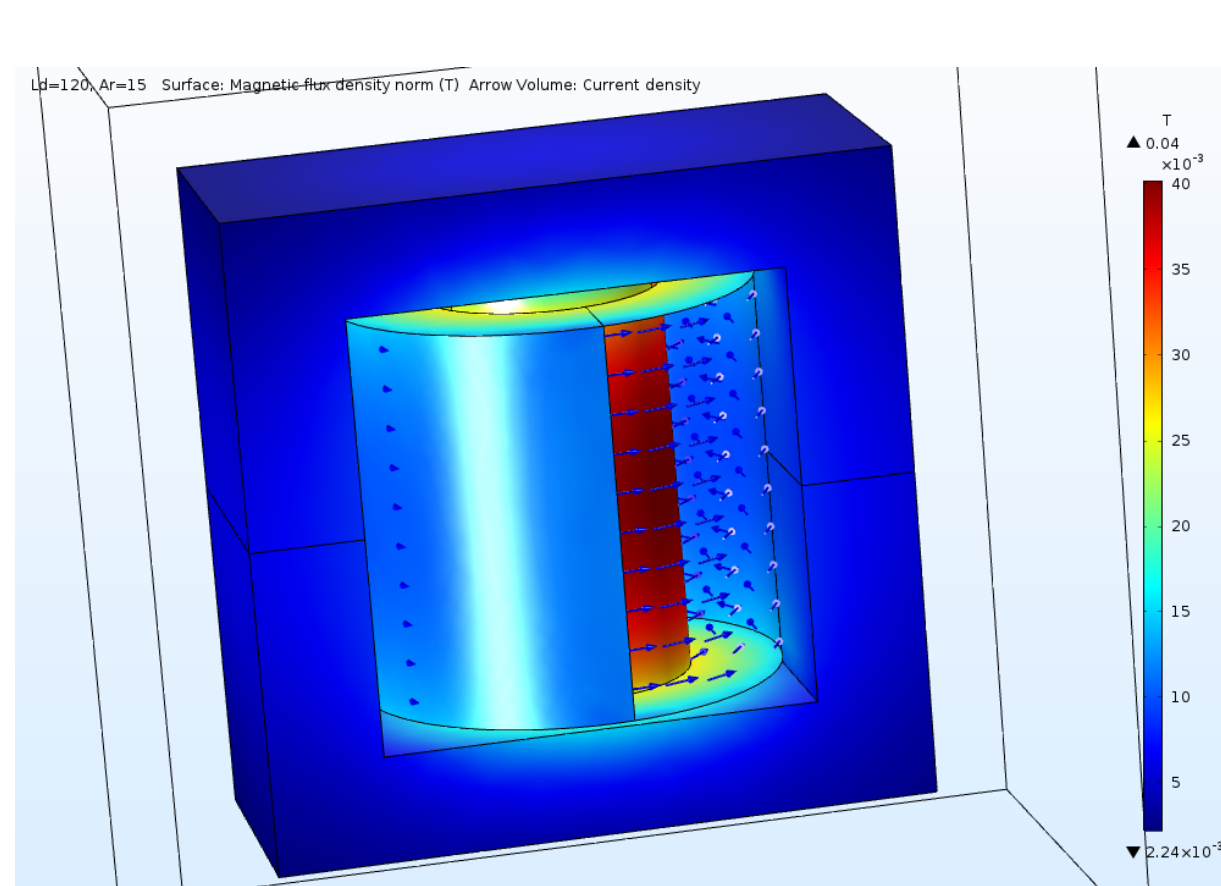
Current 75% (120 A)
15 W/(m²K) or 3 m/s
air flow.



Thermal and Electromagnetics simulation – Part # EK55246-260M-160AH – Current rated 160A @ 10kHz



Thermal and Electromagnetics simulation – Part # EK55246-260M-160AH – Current rated 160A @ 10kHz



Abbreviations

Ld	: Current rated Amps
Ar	: Airflow
W/m ² .K	: Watts / Sq meter .Kelvin – Heat Convection rate
m/s	: Meter/ Second - Airflow
degC	: Temperature in Deg C
T	: Tesla – Magnetic Flux density
Temp	: Temperature
Temp max:	Temperature Maximum
Amb	: Ambient Temperature
Amps	: Ampere Load current.
Slice	: Sectional view