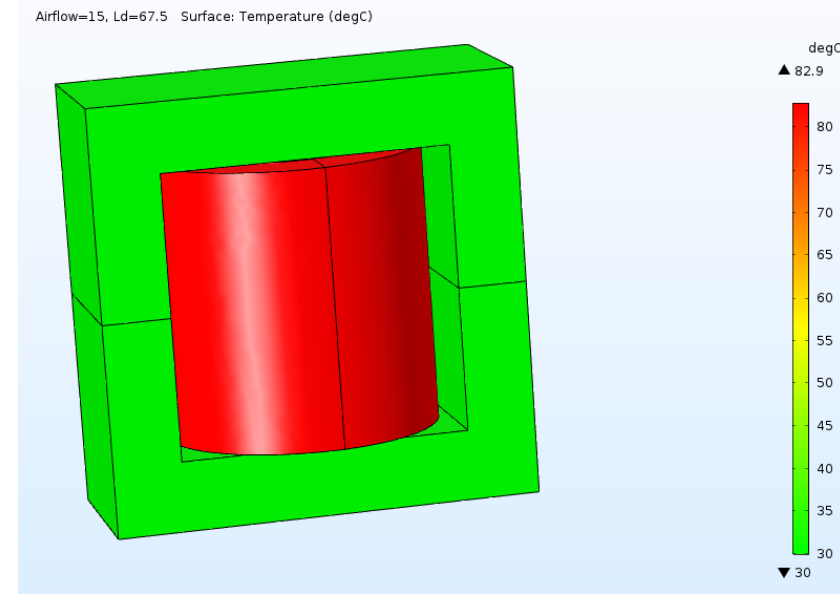
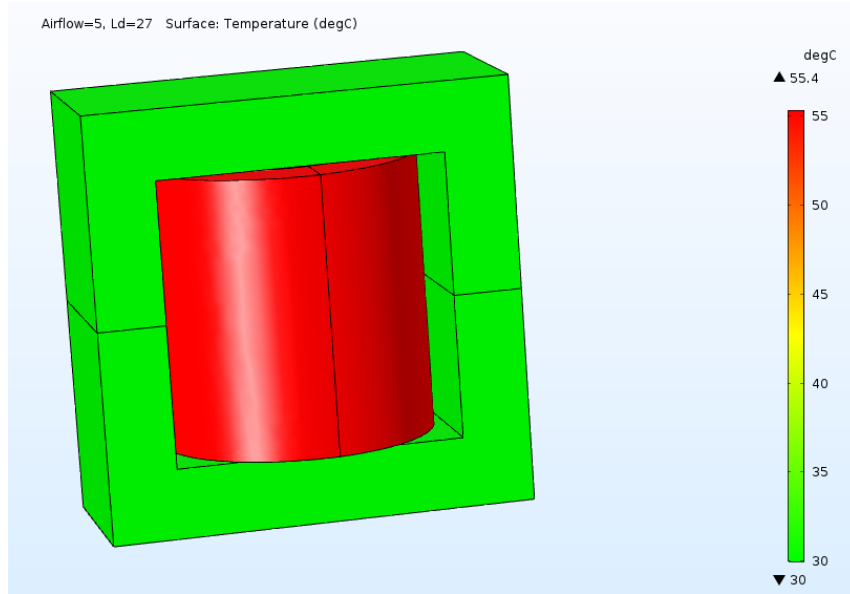
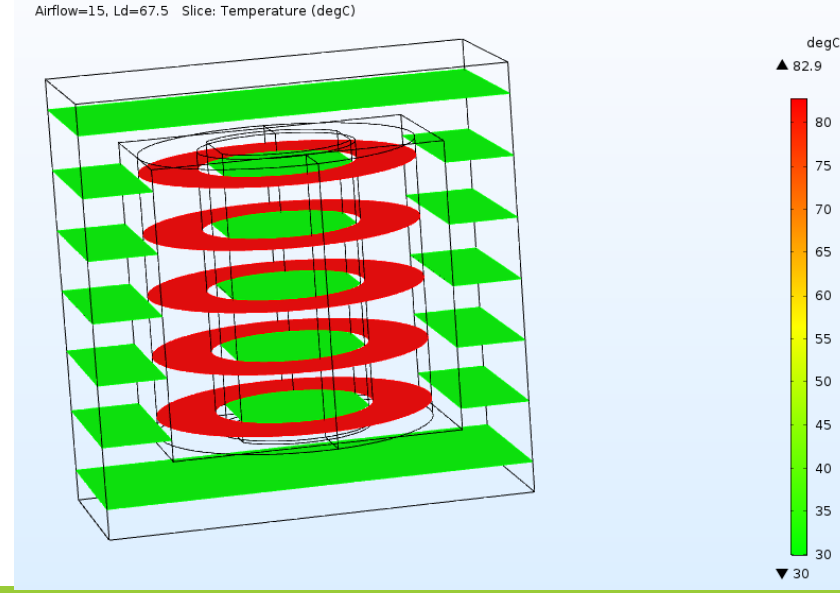
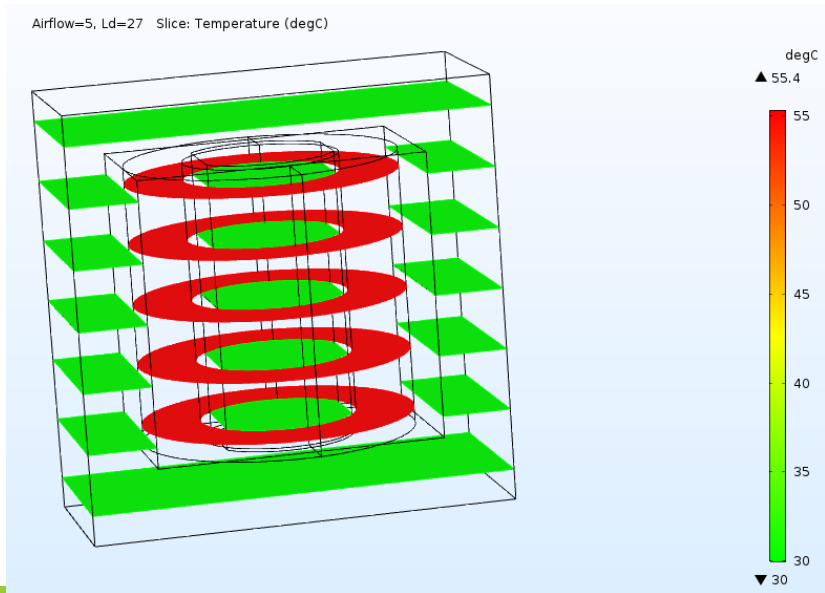


# Thermal and Electromagnetics simulation – Part # ES55244-600M-90AH – Current rated 90A @ 10kHz

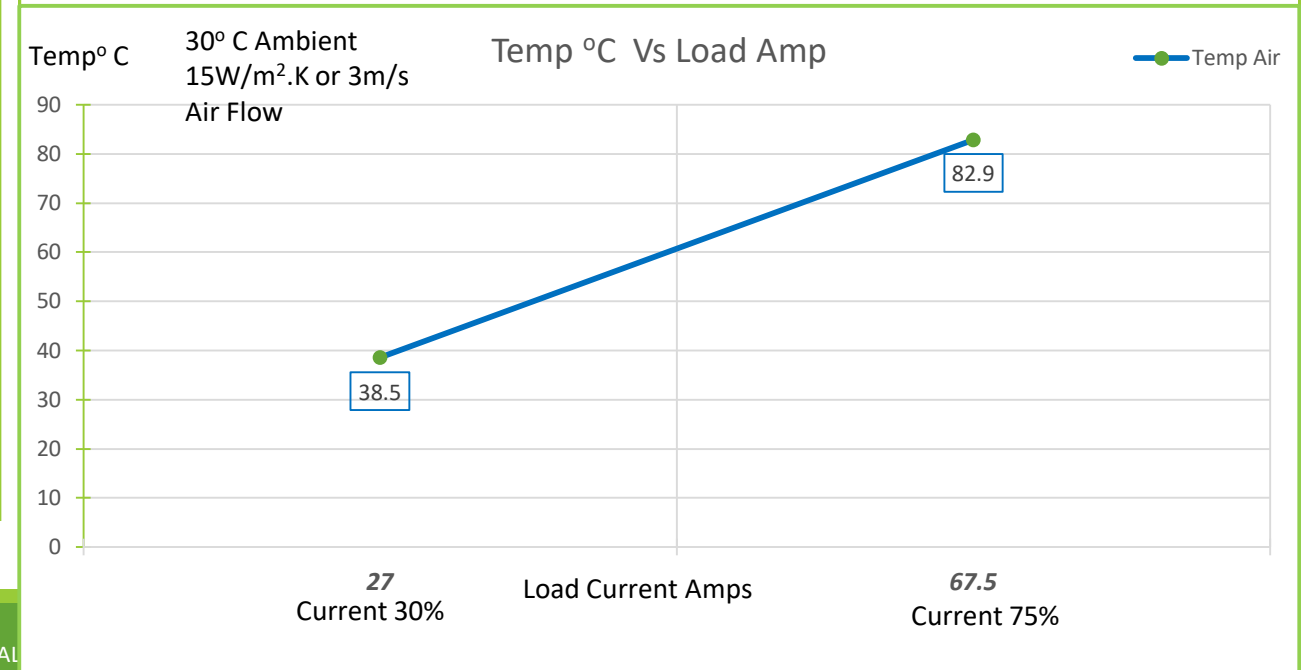
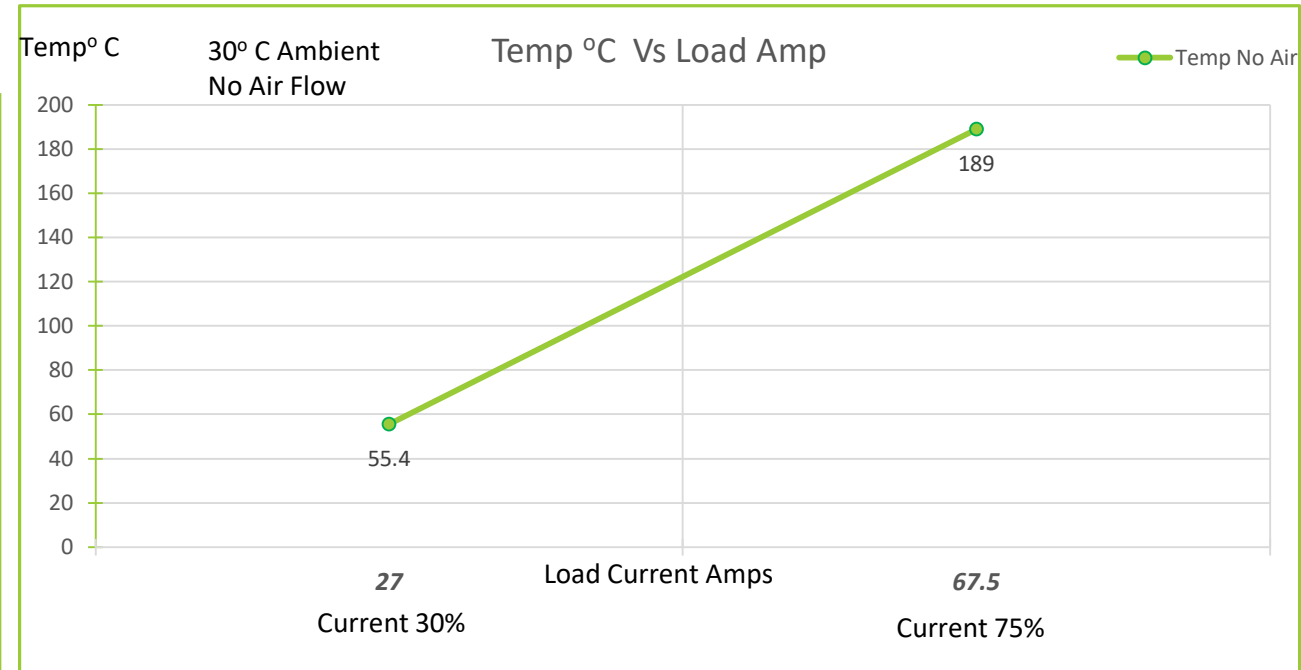
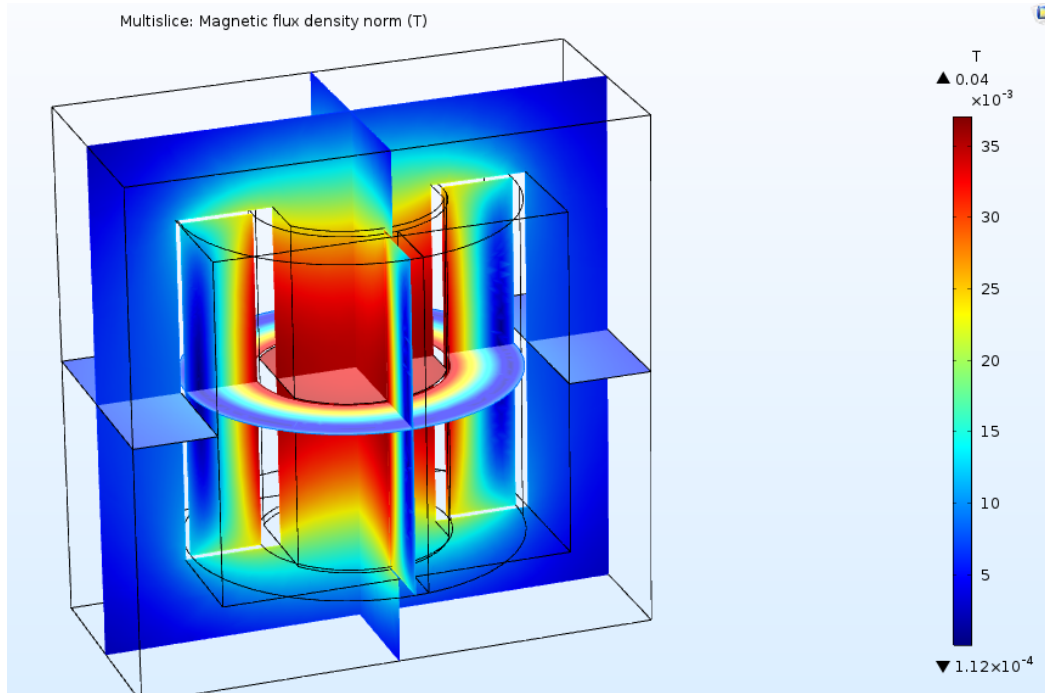
Current 30% ( 27 A)  
No Airflow  
Natural convection



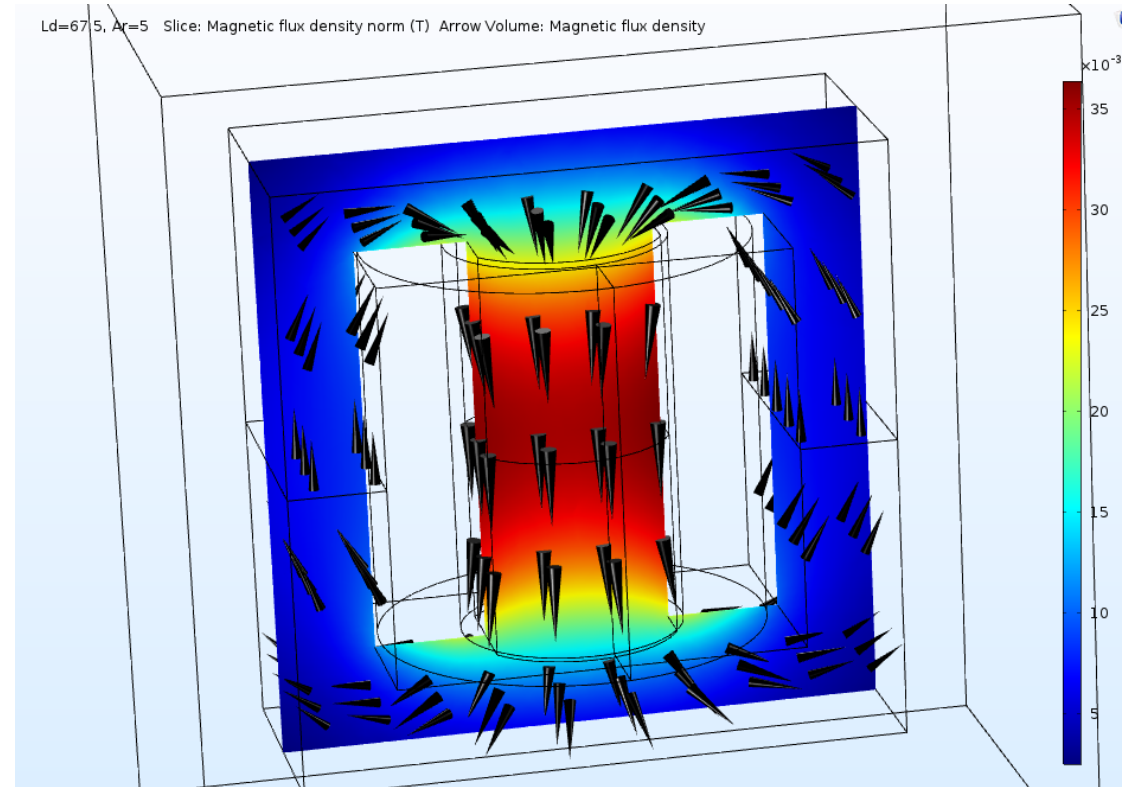
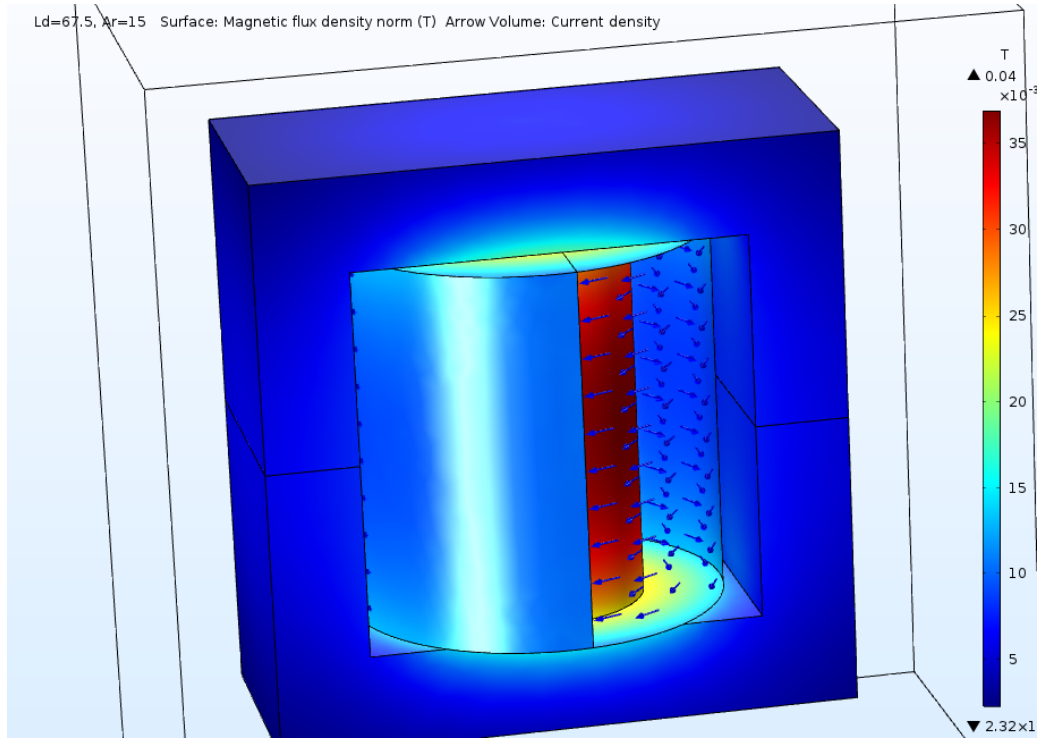
Current 75% (67.5 A)  
15 W/ (m<sup>2</sup>K) or (3 m/s)  
air flow.



# Thermal and Electromagnetics simulation – Part # ES55244-600M-90AH – Current rated 90A @ 10kHz



# Thermal and Electromagnetics simulation – Part # ES55244-600M-90AH – Current rated 90A @ 10kHz



# Abbreviations

Ld : Current rated Amps  
Ar : Airflow  
W/m<sup>2</sup>.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