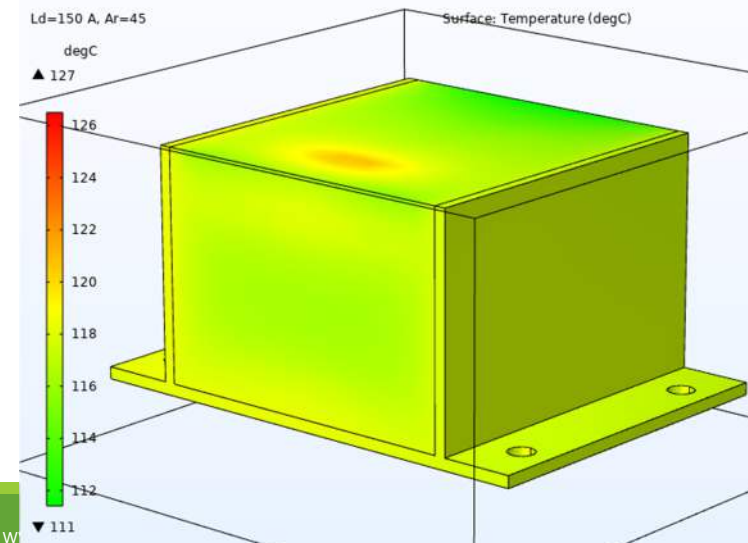
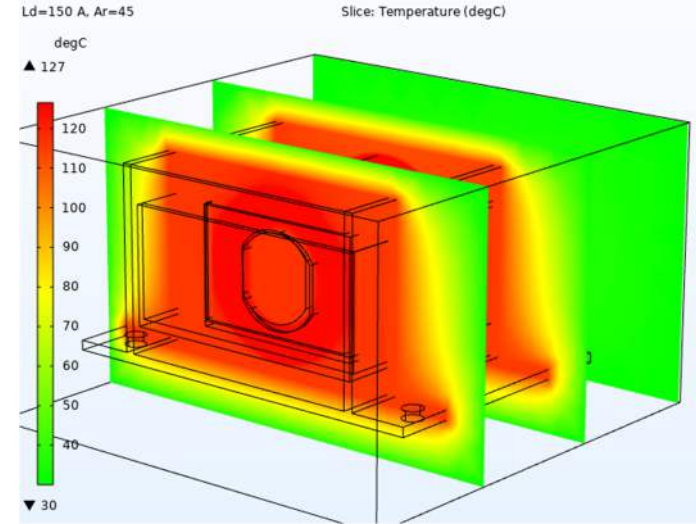
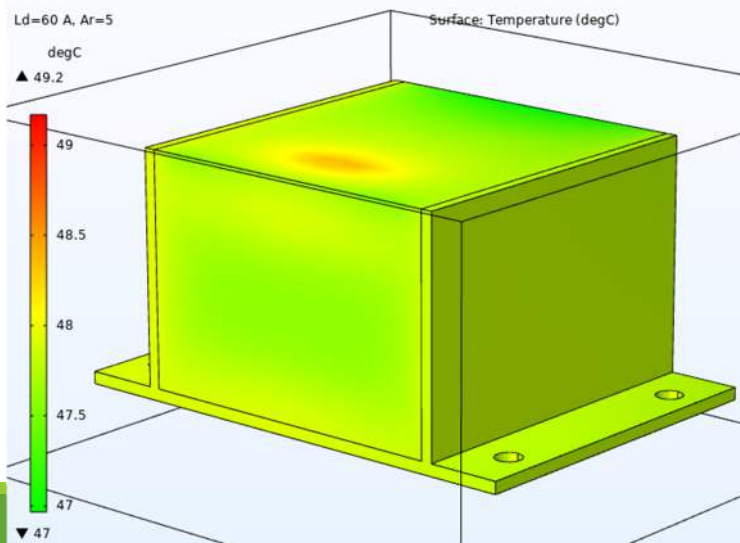
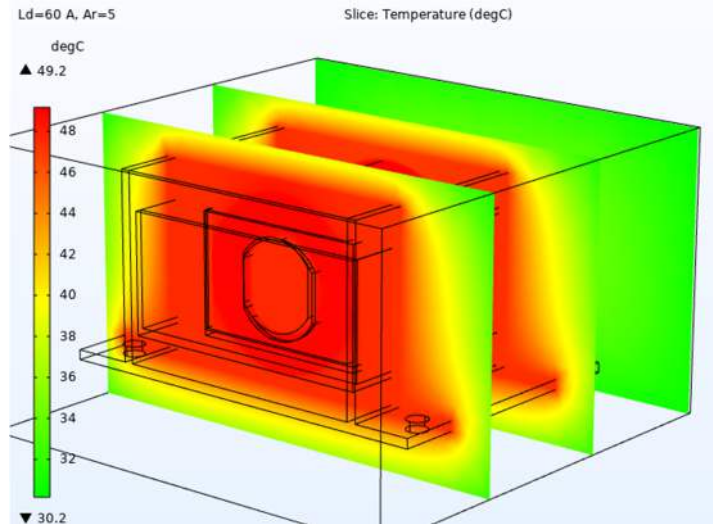


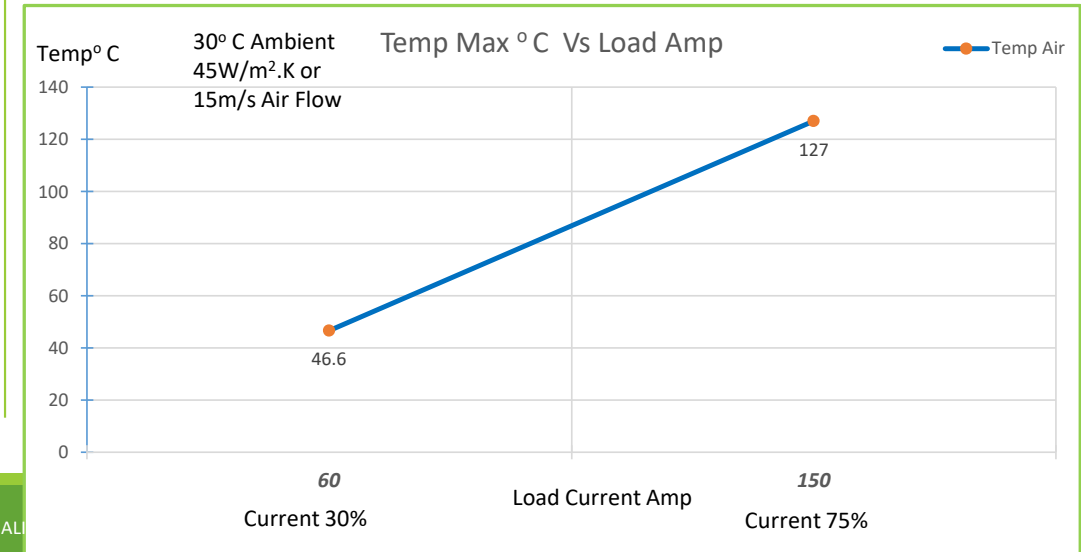
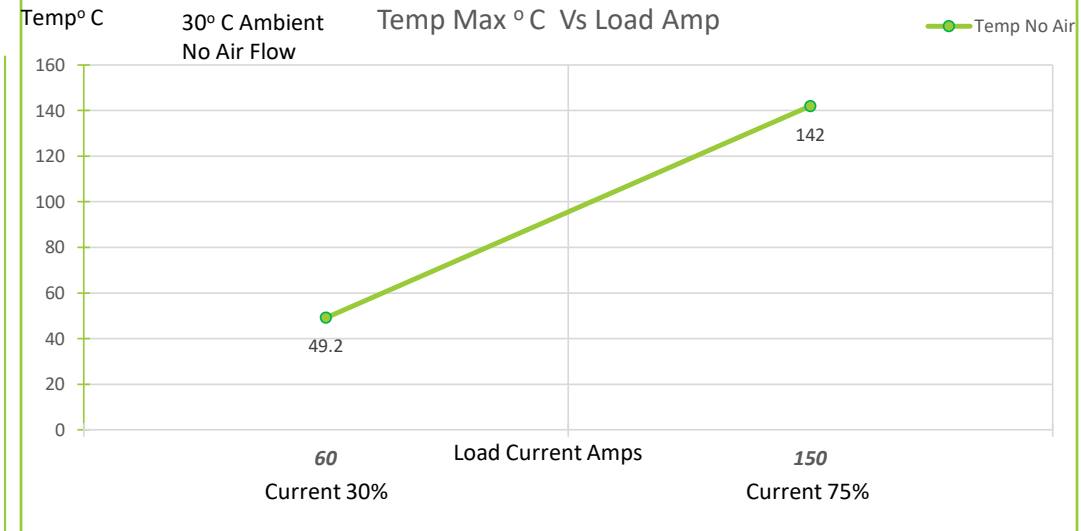
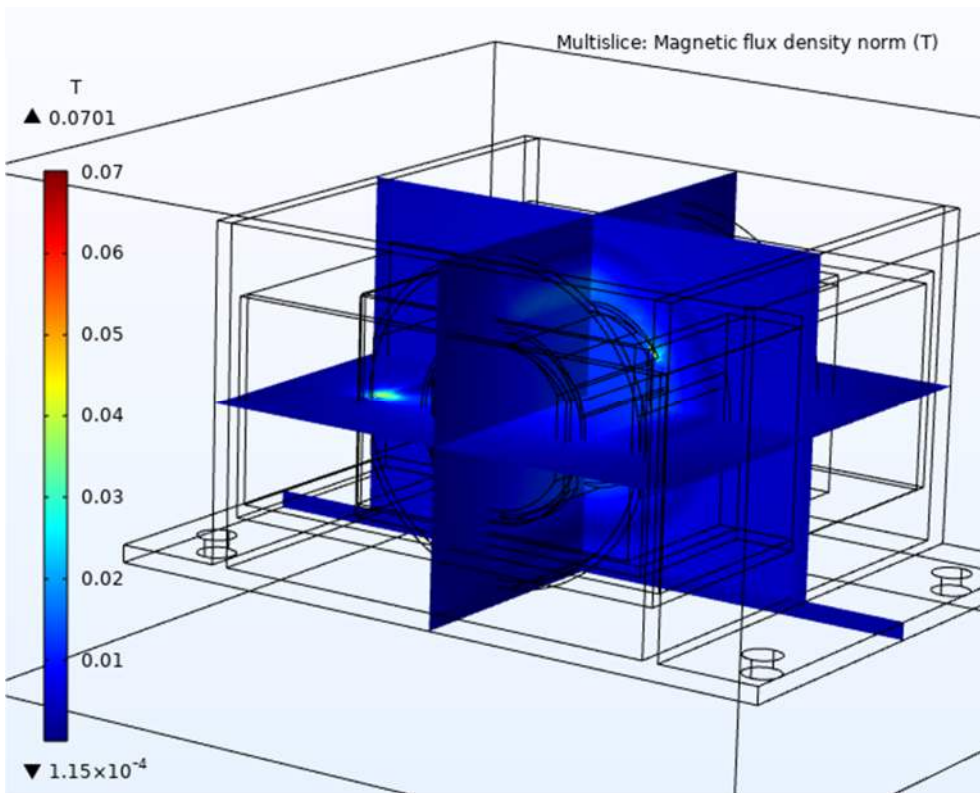
Thermal and Electromagnetics simulation – Part # EES55242-140M-200AH – Current rated 200A @ 10kHz

Current 30% (60A)
No Airflow
Natural convection



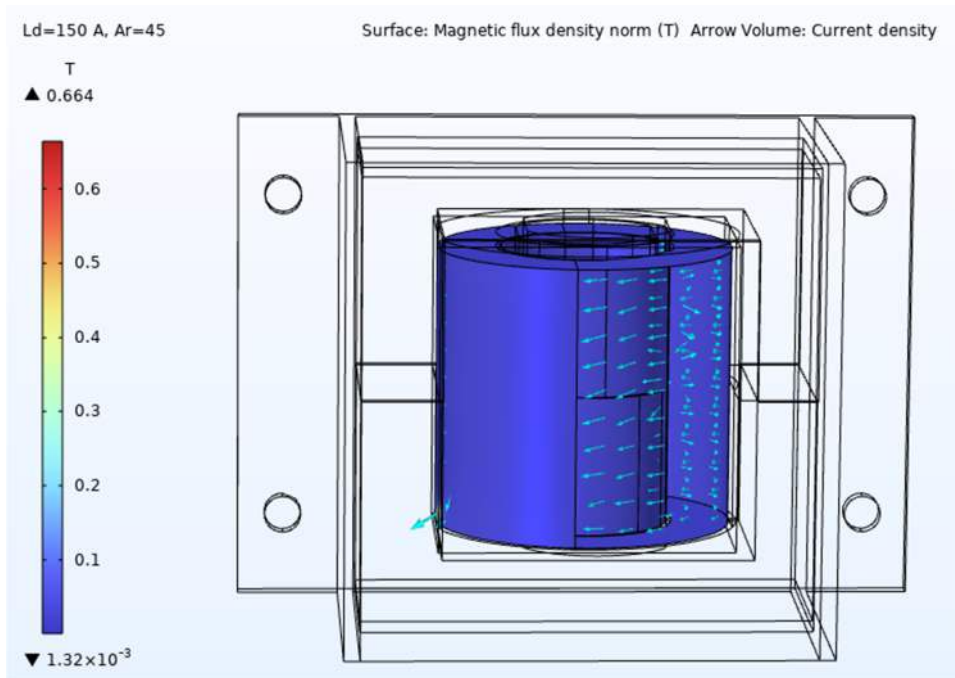
Current 75% (150 A)
45 W/ m²K or 15
m/s air flow.

Thermal and Electromagnetics simulation – Part # EES55242-140M-200AH – Current rated 200A @ 10kHz

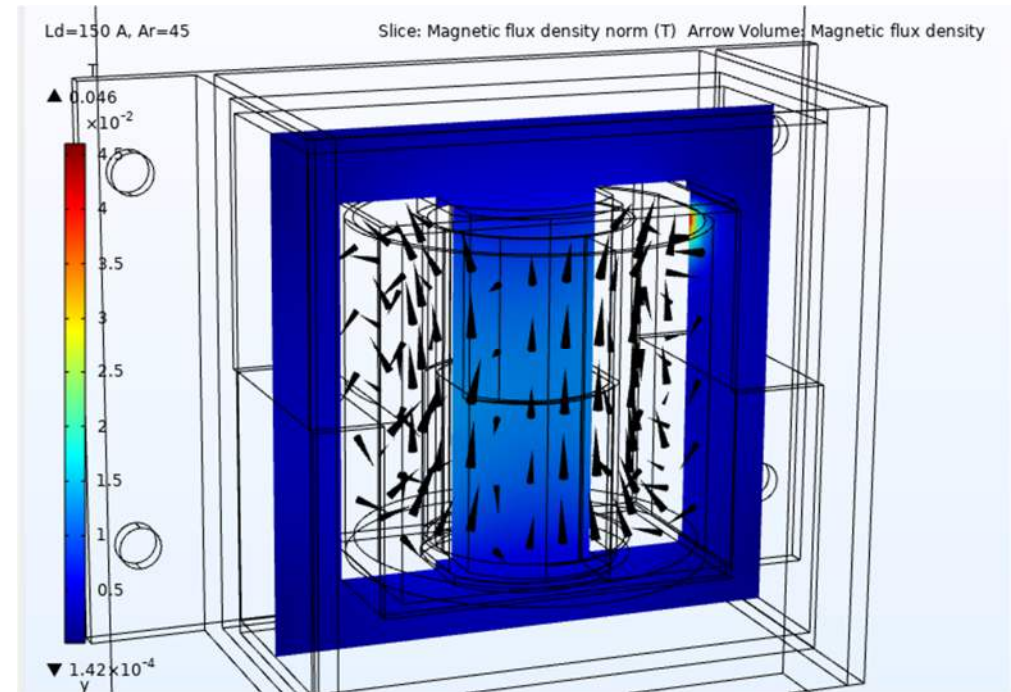


Thermal and Electromagnetics simulation – Part # EES55242-140M-200AH – Current rated 200A @ 10kHz

COIL Current



Core Flux



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

Disclaimer :

- Simulation MODEL is an effective tool for evaluating product performance by simulation; however, it does not simulate product performance in all test environments and is not intended to be a replacement for testing of the actual device by means of a test board or otherwise.
- Simulation results are for reference purposes only; CUSTOMER shall perform thorough testing using the actual device.