

CERAMIC HEATERS HEATING TEST

Testing conditions:

Room temperature: +20°C

Humidity: 45%

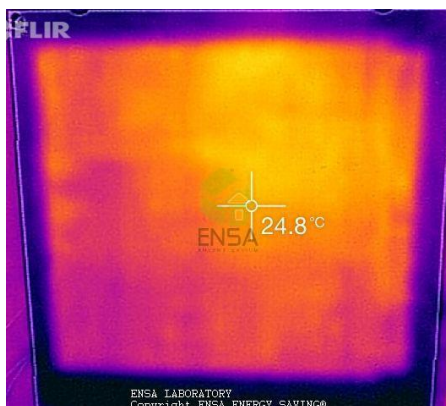
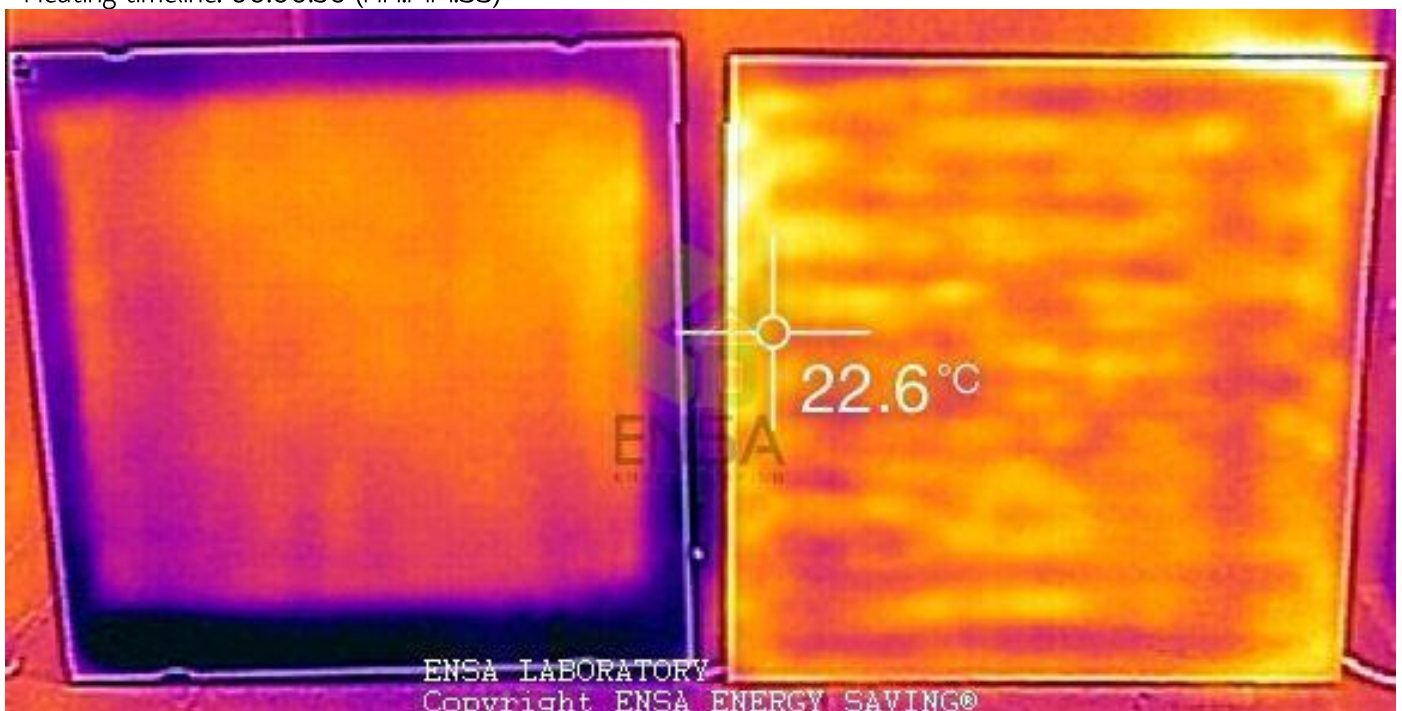
Indoor air velocity: 0,25 m/sec

Voltage: 220V/50Hz (Output controlled by power stabilizer)

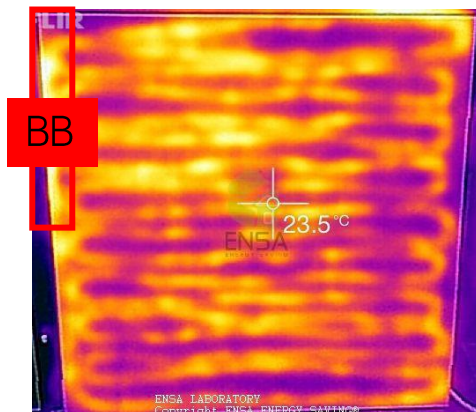
Model1: ENSA CR500T (475W/ 102 Om)

Model2: Brand XXX(475W/ 102 Om)

Heating timeline: 00:00:30 (HH:MM:SS)



Surface evenly filled with heat



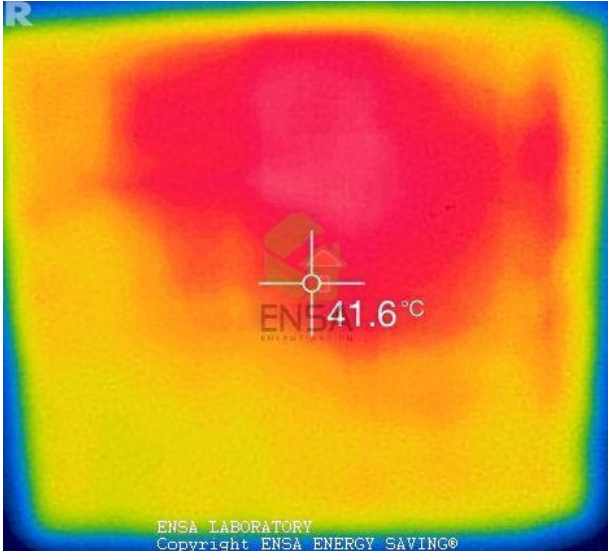
Thermal spots
Wire interlacing

THERMAL REPORT

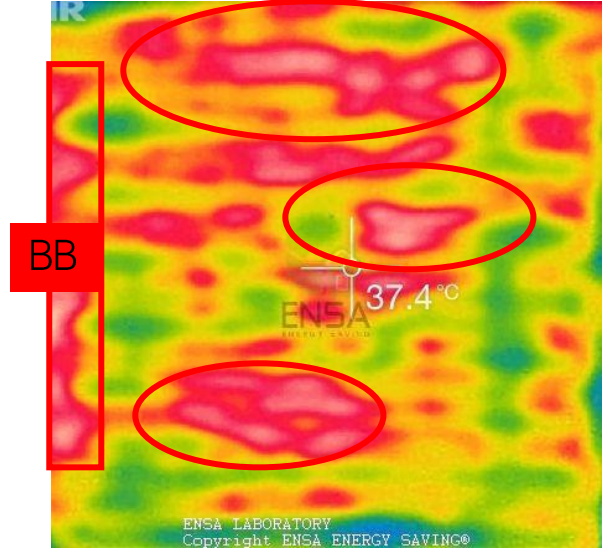
#1206/250416

Heating timeline: 00:05:30 (HH:MM:SS)

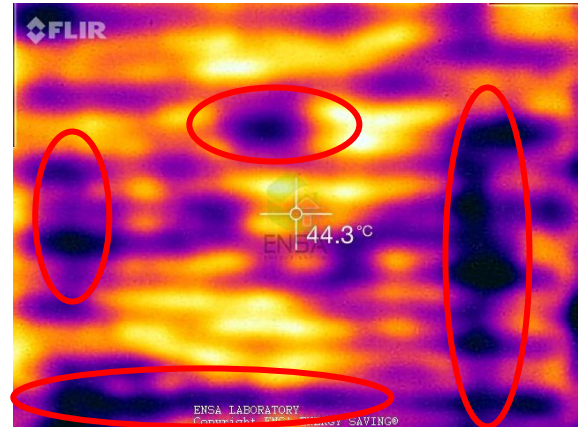
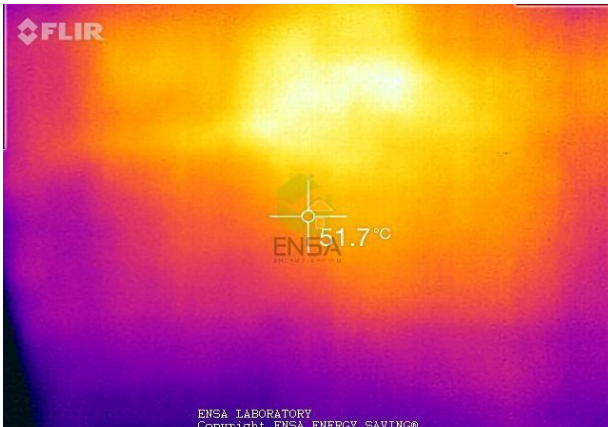
Model1: ENSA CR500T (475W/ 102 Om)



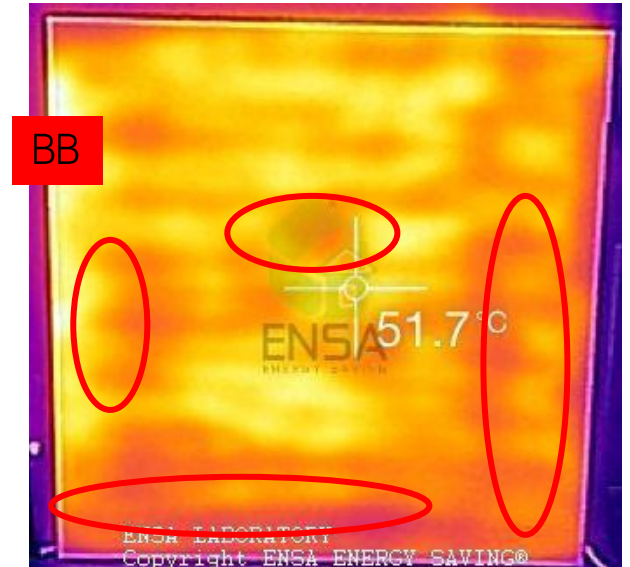
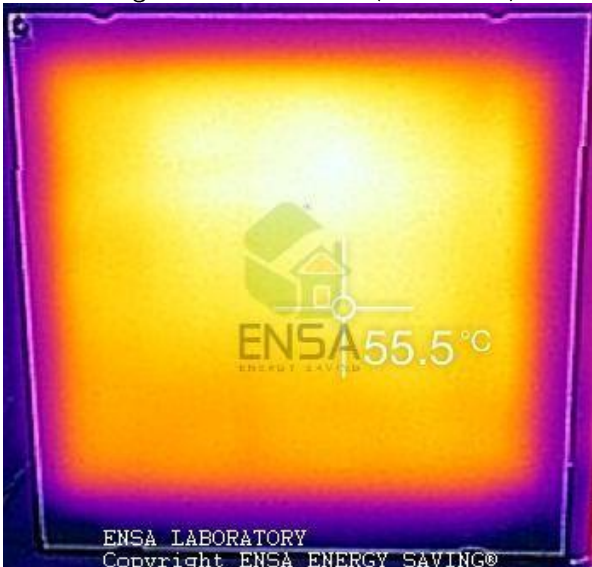
Model2: Brand XXX(475W/ 102 Om)



Heating timeline: 00:09:30 (HH:MM:SS)



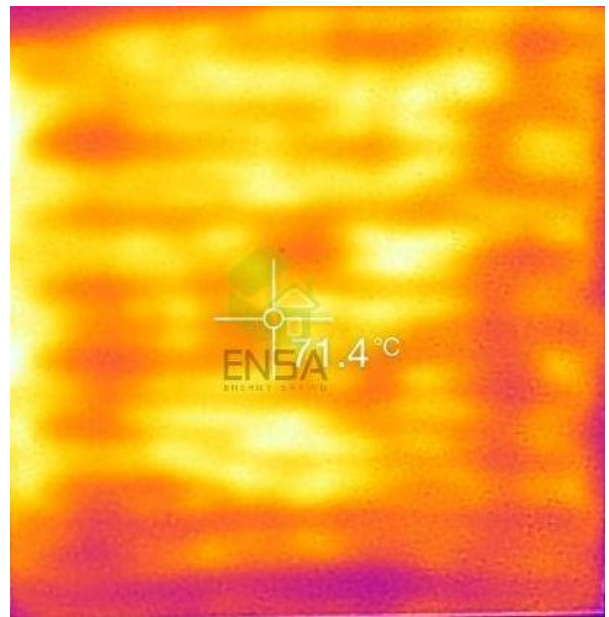
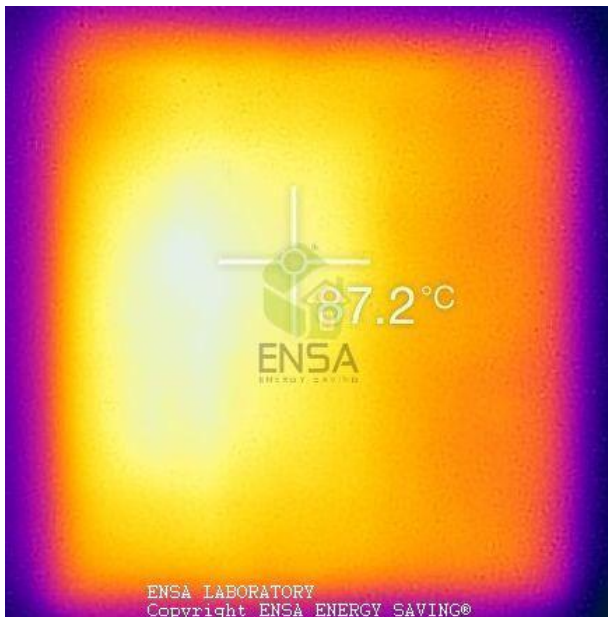
Heating timeline: 00:13:30 (HH:MM:SS)



THERMAL REPORT

#1206/250416

Heating timeline: 00:18:00 (HH:MM:SS)



MODEL 1

Total time: 18 minutes

Start t⁰C – 21,4

Finish t⁰C – 87,2

MODEL 2

Total time: 18 minutes

Start t⁰C – 22,6

Finish t⁰C – 71,4

Conclusion:

Model 1 – heat transferring from element to surface is smooth, surface evenly filled with heat. Heat spots is small, no wire interlacing.

Model 2 – lot of overheated spots (cause of wire interlacing) wire burnouts possible, spot **BB**

Uneven surface heating, lot of unheated spots.

Heating speed: Model 1 is 6% faster than Model 2 (first 13 minutes), and 18% faster than Model 2 (in last 5 minutes)