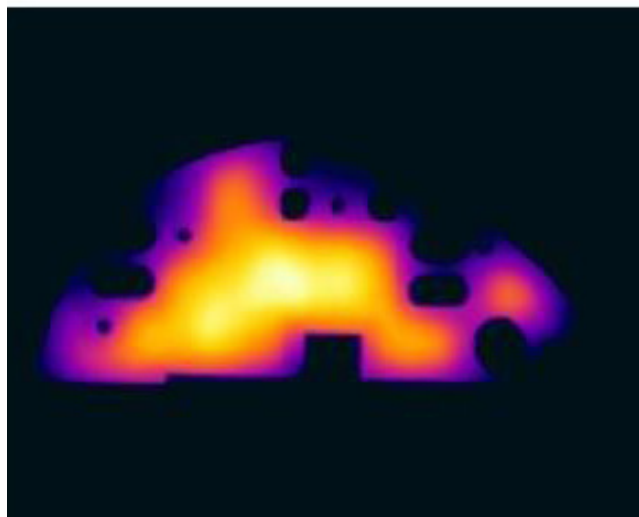
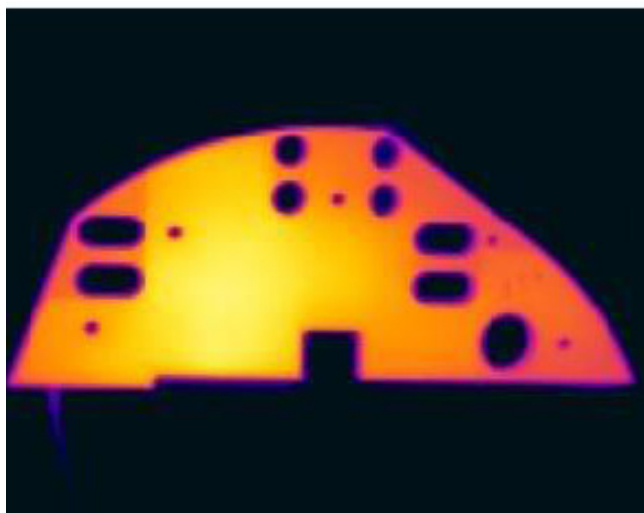


TECHNICAL COMPARISON

TOOL HEATERS



GROUP OF COMPANIES



IHNE & TESCH
ELEKTRO-WÄRMETECHNIK

KELLER IHNE + TESCH
ELEKTRO-WÄRMETECHNIK

CELTIC

KIT ELECTROHEAT

TOOL HEATERS

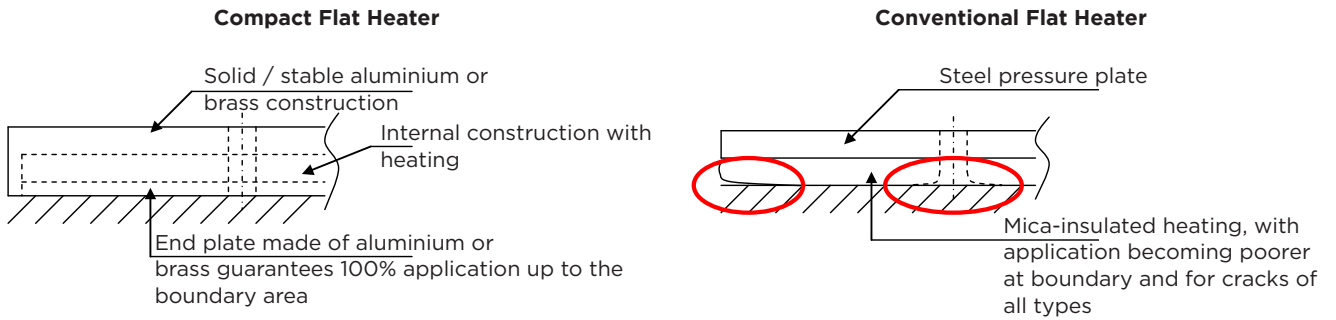
TECHNICAL COMPARISON

Comparison of the heat distribution of aluminium/brass compact Band Heaters with conventional Flat Heaters in sandwich construction.

Technical data:

	FAK	FMK	BD
maximum operating	450 °C	550 °C	280 °C
maximum power density	3.5-5 W/cm ²	3.5-5 W/cm ²	3.5 W/cm ²

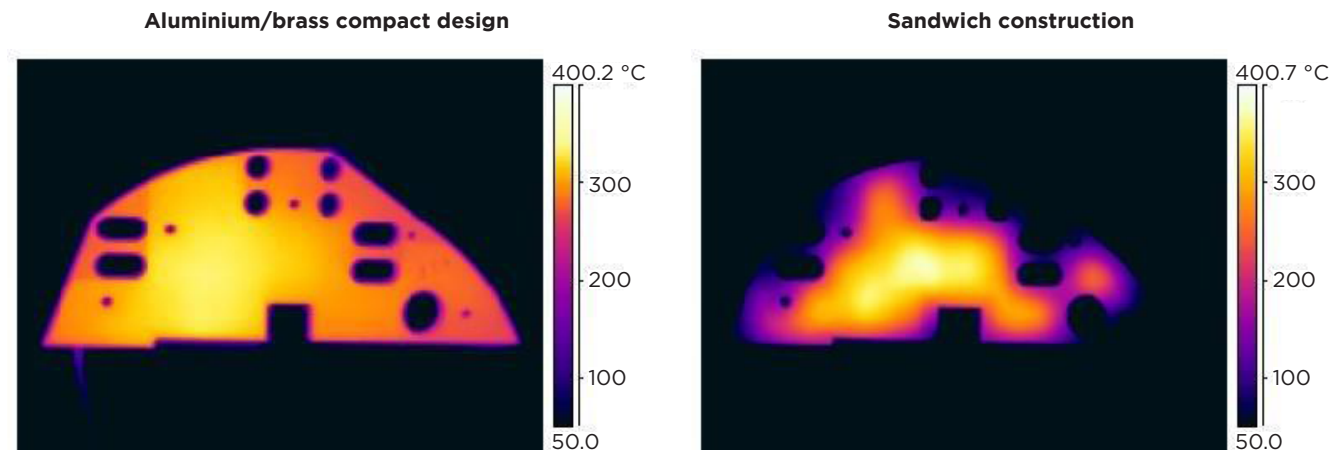
Construction:



Application-related benefits due to precise shape of the compact aluminium/brass Flat Heater compared to conventional sandwich construction.

Heat distribution:

Thermal images and temperature course demonstrate the benefits of the compact aluminium/brass Flat Heater compared to existing conventional sandwich construction, i.e. mica-isolated heating with iron pressure plate end, for heat distribution.



subject to technical change



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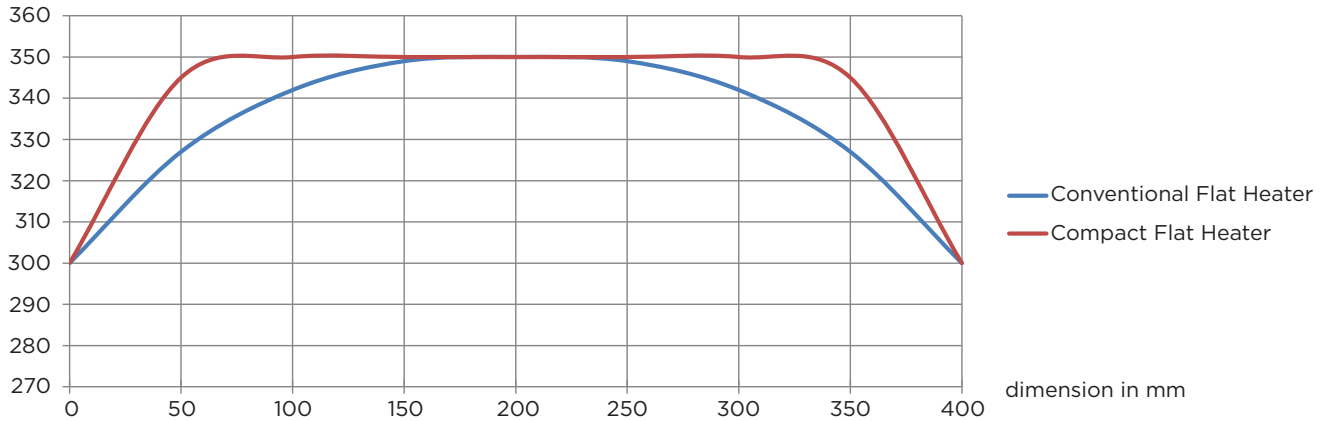
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www.electricalheat.com

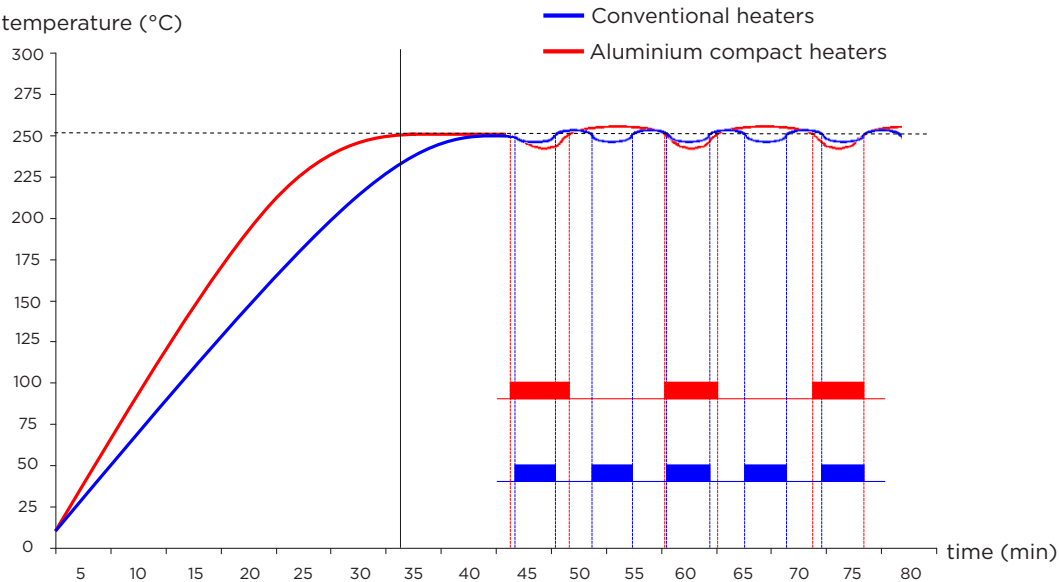
Heat distribution BD / FAK:

temperature (°C)

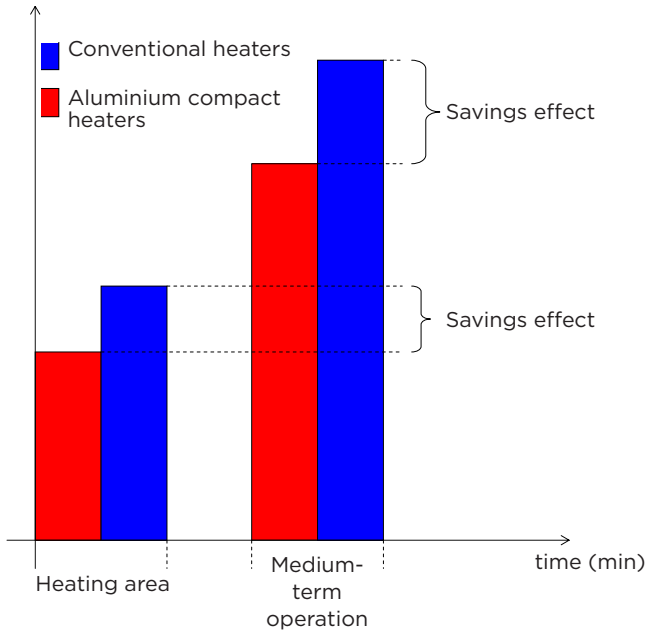


Savings potential:

temperature (°C)



Consumption (KW/h)



The advantages from the construction of the heater and application advantages result in significantly higher efficiency compared to conventional Flat Heaters. Better heat conduction and distribution as well as greater heat-storage capacity ensure quick heating up to the desired temperature and less in-operation periods when balancing the heat, which leads to lower consumption values. Summing up the benefits, there is an energy-savings potential of up to 30% of conventional consumption values.

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