

# How to select induction heaters for forging or melting work

United Induction Heating Machine Limited

We are experienced in Induction Heating, induction heating machine, Induction Heating equipment. They are widely used in induction heating service, induction heat treatment, induction brazing, induction hardening, induction welding, induction forging, induction quenching, induction soldering induction melting and induction surface treatment applications  
<http://www.uihm.com>

Though the power factor of our IGBT or MOSFET induction heating machines can be 0.9~0.95, it's hard to calculate the exact power requirement for brazing, jointing, quenching, hardening work, it's often depend on experience.

But there is an empirical formula (experimental formula) for forging or melting work with our induction heaters (MF or RF) to calculate your power requirement as below:

$$\text{Power (KW)} = \text{Weight (kg)} * \text{Temperature ()} / \text{Time (Second)}$$

