

HEAT RISE FORMULA

Used to determine the temperature rise of a coil's winding wire by measuring its resistance.

$$t_2 - t_1 = \frac{R_2 - R_1}{R_1} (T + t_1)$$

t_1 : Initial winding temperature (°C)

t_2 : Final winding temperature (°C)

R_1 : Initial winding resistance (ohms)

R_2 : Final winding resistance (ohms)

T: Inferred absolute temperature (234.5°C)

