Inrush Current Limiter Selection

3 Measurements Needed

Zero Power Resistance
Steady-State Current
Energy Measured In Joules

Rule of Thumb:
Always Round Up

Zero Power Resistance (Ω)
Peak Voltage/Max Allowable Inrush Current

Peak Voltage = (Vrms)(1.414)
Max Allowable Inrush Current = Fuse in power supply or breaker on AC line

Energy Measured In Joules (J)
\[ \frac{1}{2} (\text{Capacitance})(\text{Peak Voltage})^2 \]

Capacitance = Will come from the specifications provided by the manufacturer
Peak Voltage = (Vrms)(1.414)

Steady-State Current (A)
Input Power/ Input Voltage
(W/V = I)

www.ametherm.com/inrush-current-limiters-full-line

Measurements Correlate
With Rows 4, 5, and 6
On Webpage