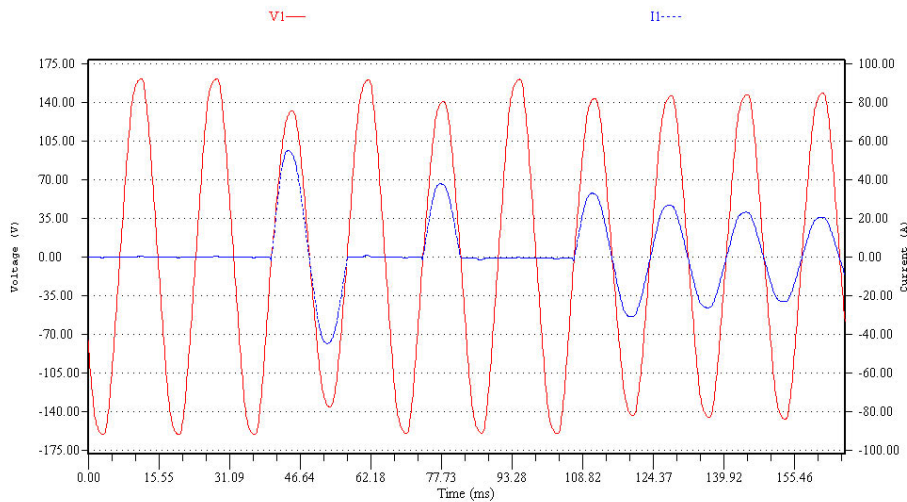


Office Equipment Current

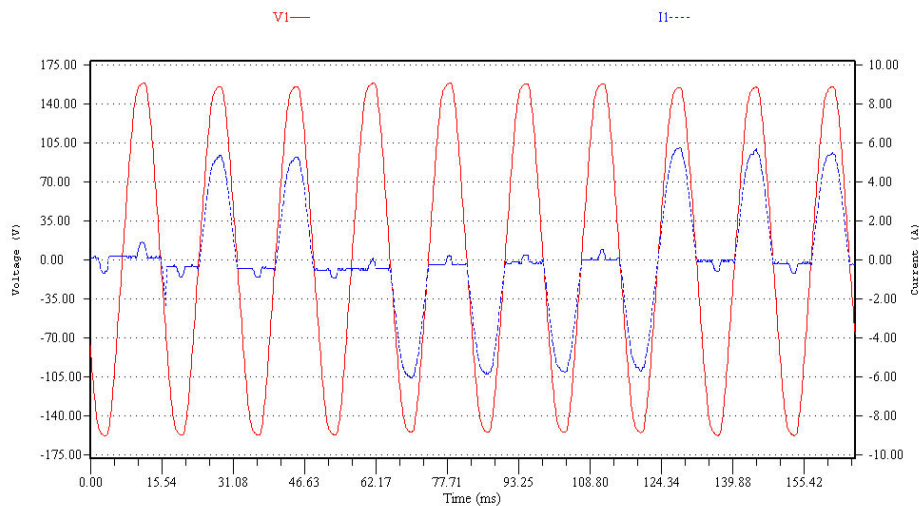
Some laser printers have very strange current requirements when they start. The following graphs are waveforms for two different printers. Operation such as this can cause voltage flicker and circuit breakers opening.

Printer1.PPF - Voltage WaveForms and Current WaveForms Graph
Event #1 ; Voltage 1 sag started at 21/11/2003 8:08:12 AM and lasted 1.5 cycles



Brother MFC 4800 laser printer

Printer2.PPF - Voltage WaveForms and Current WaveForms Graph
Event #8 ; Voltage 1 sag started at 21/11/2003 8:21:55 AM and lasted 1.5 cycles



HP LaserJet 1200 series laser printer