

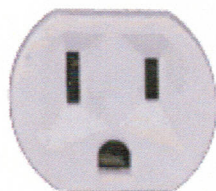
ELECTRICAL POWER OUTLETS FOR COPIERS

There are two distinct types of power circuits of concern for the proper installation and trouble free operation of a sophisticated digital system.

Smaller copiers typically use a standard 120 volt, 15 amp circuit with a receptacle you are familiar with in your home and office. Electricians know them as NEMA 5-15R and an outline is shown below. A circuit for this arrangement may have multiple outlets in a run and may be on a 15 or 20 amp breaker in the electrical panel. Hence, if you plug devices anywhere in the run where the circuit surges or draws more than 15 or 20 amps, the breaker may trip. Furthermore, noise generating devices such as coffee pots, refrigerators, water coolers, fax machines, printers, etc. on that same circuit can cause random failures in computer like electronic systems. Faxworld routinely includes a transformer based power filter on all copier installations to reduce random noise problems.

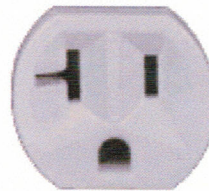
Larger copiers require more power primarily to fix the toner on the copy paper. These larger copiers require what electricians call a NEMA 5-20R receptacle on a 120 volt, 20 amp, dedicated line. That means the copier requires sole use on a 20 amp line...NOTHING else gets plugged into it! The circuit and outlet must be installed by a qualified electrician to prevent liability litigation in today's business environment. This responsibility lies with the owner of the premises for which the copier is to be installed. The NEMA 5-20R outlet appears as follows.

15 AMP
120 VOLT



NEMA 5-15R

20 AMP
120 VOLT



NEMA 5-20R