

Proper Electric Supply

Proper electric current is a necessity for all motors, electrical components, and compressors. Without proper current different outcomes will result. With too low a current a compressor is over-stressed trying to keep itself going and generate its' own current. This will cause it to overheat and shutoff. Too much current will cause thermal overload and results will be overheating and shutdown of the compressor.

What is the Acceptable Range?

System Rating	Acceptable Range	Comment
230V, 60 Hz, 1ph	+/-10%	Systems will not operate properly below 207V
200V, 50Hz, 1ph	+/-5%	50Hz requires lower voltage to limit current draw

Symptoms of Low Voltage

When there is low voltage system performance will be compromised. The shelves cool down slowly and the condenser may not hold the vapor load. The reduced performance is caused by the compressor overheating and turning-off.

Why Don't We Ship Our Units w/Plugs?

Due to the vast number of plug/receptacle types a plug is not supplied on 230V systems. Direct wiring to the wall breaker provides the best connection. A plug and receptacle can be used, but must be supplied by the user.

Important Things to Do

- We don't recommend using extension cords due to current loss from one end to the other.
- Always use the proper size wire.
- Place the unit on its' own dedicated circuit breaker.
- In the summer always check the voltage level because the heavy use of air conditioners in the building or in the area can cause a distinct drop in voltage level.