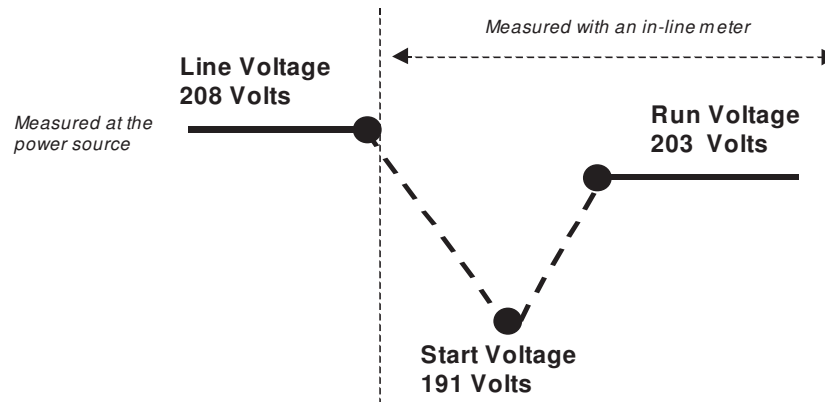


Ref: Voltage supplies for the PC3 Hoist

The voltage requirements for the Power Climber PC3 hoist is 208V + 10% /- 15%. On the low end, this means that 176.8V is the minimum acceptable *running* voltage (measured at the hoist while operating.)

The length of extension cord greatly affects the supply voltage. When operating 2 hoists on a platform using a yoke, the resistance of a 500ft 10/3-extension cord will cause a voltage drop of about 20V. If the source voltage is 208V the resulting running voltage at the hoists will be 188V.

These hoists will operate under these conditions.



Conclusion: As a general guideline to ensure proper performance, keep the running voltages measured at the hoist between 176.8 V and 229 V.

NOTE: These voltages are accurate when the hoists are being operated at the full rated load of the hoist. **If the load is larger than full rated load, the performance of the hoists will be affected.** Calculations are derived with best practices considered to include appropriately sized electrical connections and practice.

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