

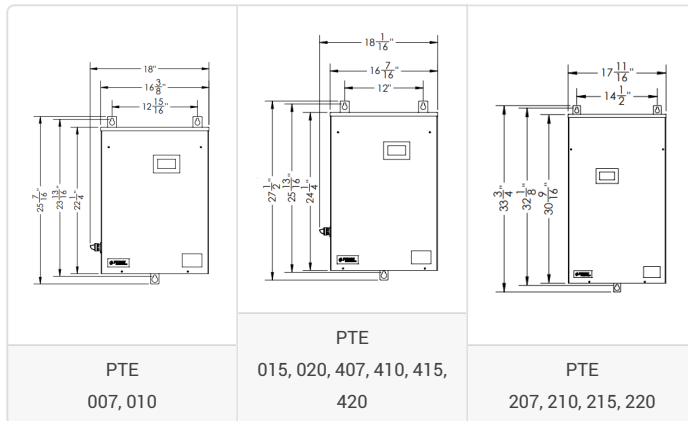
# Phase Perfect - Quick Start Guide

## Installation

Enterprise Chassis Models



### Mounting dimensions



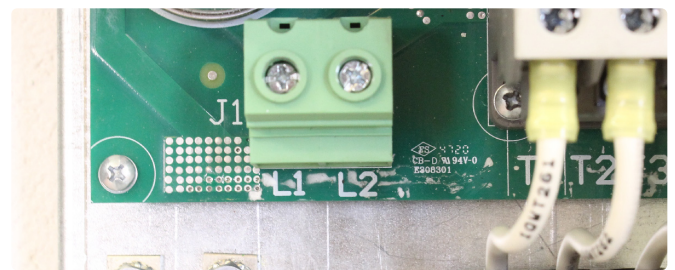
### Suggested Breaker Sizes

PTE407	PTE410	PTE007, 207, 415	PTE010, 210	PTE015, 215	PTE020, 220
30A	40A	60A	80A	125A	150A

- Properly ground the phase converter according to local electrical code. Connect the ground lug to the branch circuit or service ground conductor.

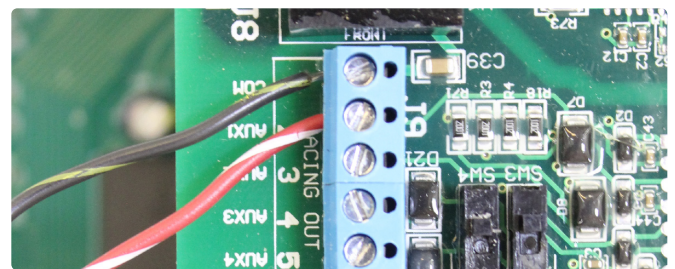


- Connect the line side input leads into the terminal labeled L1 and L2.



L1 and L2 input terminals

- To add an external run/stop switch, remove the orange jumper wire and connect the switch to AUX1 and COM terminals. **Caution: No voltage may be introduced on these terminals. Dry contact only.**



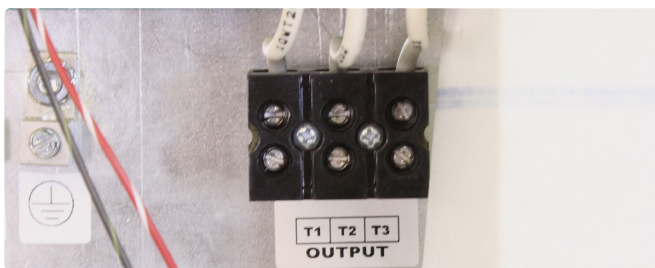
AUX1 and COM connected to external switch

### Mounting the Phase Perfect®

- Attach mounting brackets to back of unit with supplied hardware.
- Mount the unit to a solid, non-flammable surface capable of holding a minimum of 100 lbs. using the mounting brackets provided with the unit.
- Ensure air intake and exhaust openings are not obstructed. If mounted in a small room or cabinet, ensure temperature will remain below 40C (104F). **Note: 18" (450mm) clearance below and 6" (150mm) around required for ventilation.**

### Connect Wiring

- Remove the cover by gently lifting and pulling forward after removing the screws on each side and front of the unit.
- Route cables through the supplied openings in the bottom of the enclosure, using appropriate conduit or strain relief devices. **Note: Continuous metal conduit should be used for all power cables to reduce radiated electromagnetic interference (EMI).**
- Install the 3 load side conductors into the output terminals labeled T1, T2, and T3. Connect the load side ground conductor into the grounding terminal. **Note: T3 is the manufactured leg on standard models. T2 and T3 are manufactured on voltage-doubling models.**



T1, T2, T3 output terminals and ground terminal

### Powering up the Phase Perfect®

- Replace the cover and secure using the previously removed screws.
- Turn on the line side breaker and verify screen turns on. **Note: Once the unit is fully energized the internal contactor will pull in. Once this occurs a light sizzling noise will be emitted, and is normal.**

**Note: Output is in high-leg delta configuration. Leg to leg voltage will match input voltage, leg to ground will be higher on T3 than T1/T2.**



Download  
Phase Perfect Manual

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