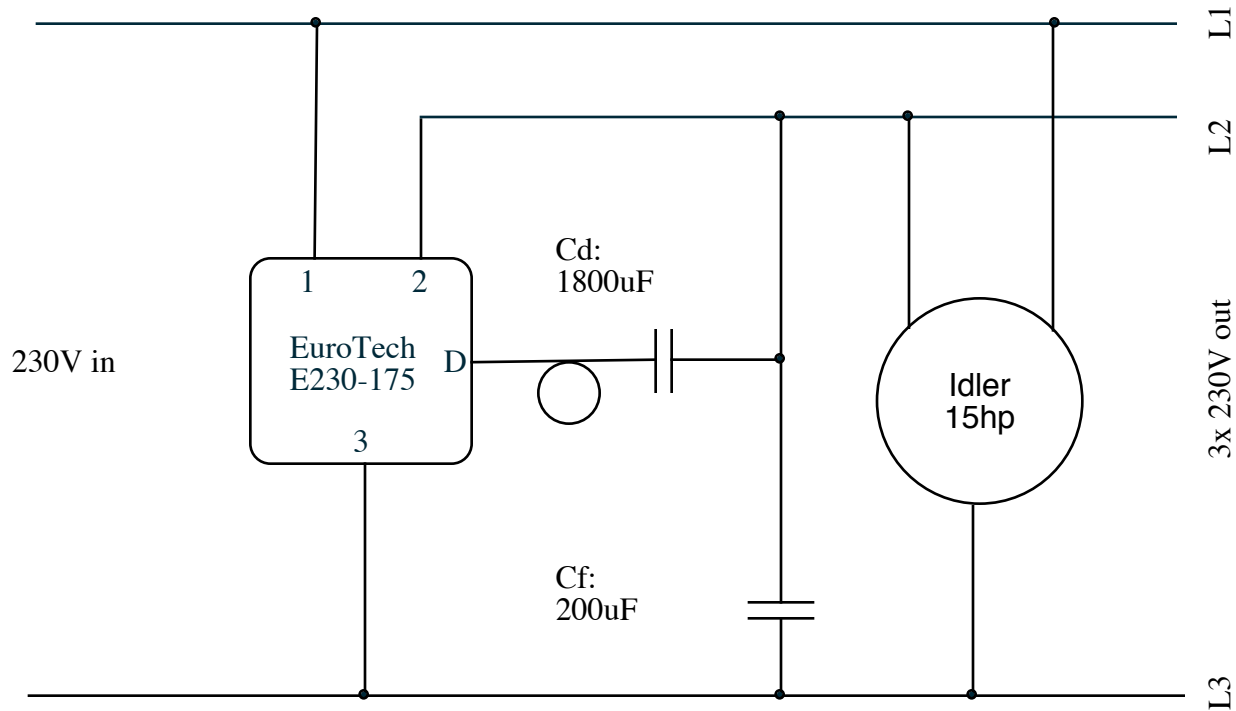


Build a 15hp single to three-phase converter using an E230-175 controller



Install a standard motor (generator motor or idler) on soft rubber motor mounts.
A 2 pole motor in delta configuration is best.
If motor is inside an enclosure: Air intake close to vent. Have second vent on opposite side.

Make air coils diameter 8 inch 22 turns (~200uH). Never run a controller without coils.
Install E230-175 using double sided tape.

Tune Cf to the motor if needed: V 2-3 should be 5-8% higher than V 1-3 when running idle.
Increasing Cf increases the voltage.

Safety: Connect a 100kOhm 5W discharge resistor in parallel to capacitor Cd.
Danger: Discharge takes some minutes. Measure voltage on Cd before touching wires.

Appliances wires: AWG10.

