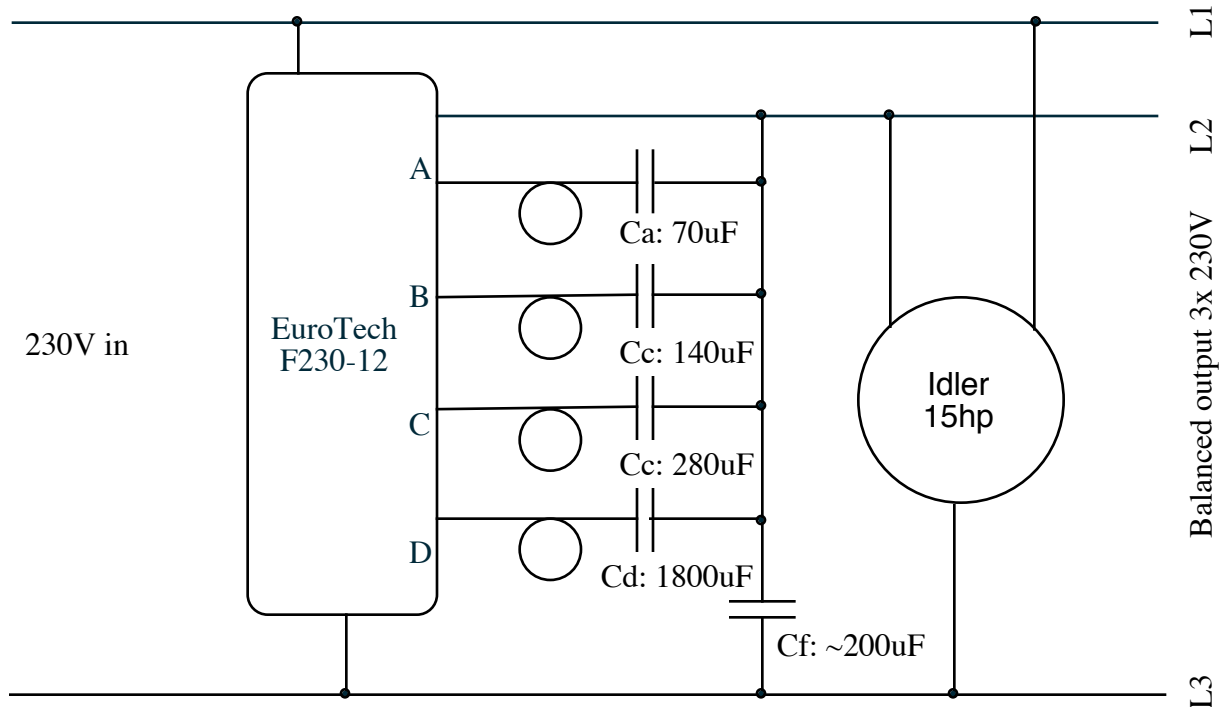


**Build a 15hp single to three-phase converter for  
balanced output voltages using a F230-12 controller**



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. Second vent on opposite side.

Make air coils diameter ~8 inch 22 turns (~200uH). Never run a controller without coils.  
Install the F230-12 standing up, fins vertical for unobstructed airflow.

Adjust Cf to the motor if needed: V 2-3 should be 3-5% higher than V 1-3 when running idle.  
Increasing Cf increases voltage. Use capacitors for 300VAC.

Safety: Connect a 100kOhm 5W discharge resistor each in parallel to capacitors B, C and D.  
Danger: Discharge takes minutes. Measure before touching anything.

Appliances wires: AWG10.

