



Single to three- phase converter Booster™ E3-L

The Booster E3-L converts single-phase power to three-phase power.

The single phase input is 230V 15A.
Output is 400V 3kW three-phase, pure sine wave.

A Booster E3-L senses when motors accelerates.
It boosts the output current to accelerate motors
to full speed in the shortest possible time.

A Booster E3-L rides through blackouts, brownouts,
power surges, fast transients, momentary short-circuits and line
disturbances as no other product.

The rigid electronic SCR controller guarantees a long service life.
German bearings inside the internal generator motor do not require service.
Soft motor mounts and optimised air flow keep the noise level low.

A Booster E3-L is equipped with connector terminals for input and output only.
Installation instructions for an electrician explain the required switched wall outlet near the
Booster E3-L and the motor-rated fuse in the house distribution box.
They explain how to connect four and five pin plug machines and their control circuitry.

Booster E3-L supplies power to multiple machines and to motors up to 3kW or 4hp.

A Booster E3-L can supply power to several machines and motors with a combined power of
3kW at the same time.
The efficiency of a Booster E3-L is 95%.

The Duty Cycle of a Booster E3-L is 70%:
2.2kW can be taken continuously, 24/7.
3kW can be used intermittently. 70% on and 30% off in intervals up to 10 minutes.

This version is not for CNC, VFD, welder, inverters.
Typical applications for the Booster E3-L are in a hobby workshop:

Woodworking:

Saw, spindle moulder, planer, thicknesser, belt sander, band saw, mortiser, combination
machine, wood turning lathe, router, borer, dust extractor and more.

Metalworking:

Lathe, drill press, milling machine, grinder, saw, polisher, shaper, punch, shear, post lift, pump,
compressor and more.

