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Single to three-phase Booster™ converter

A Booster converts single-phase to 400V three-phase power.
Booster converters are ideal for machines with single or multiple motors.

The power quality is comparable to utility supplied power.
Motors and machines start fast as if powered by the three-phase utility network.

The smart and robust digital power electronics let Boosters rides through blackouts, brownouts, power surges, fast transients, short-circuits, line disturbances and momentary overloads as no other converter. Selected components guarantee a long service life.

A Booster should have a kW rating of 1.2 times the rating of all motors running together.

Use it with a lathe, planer, saw, thicknesser, spindle moulder, band saw, drill press, grinder, milling machine, combination machine, tyre machine, car hoist, surface or deep well pump, horse treadmill, ice cream machine, welder, guillotine, conveyor, escalator...

Boosters are available for a power source of 230V single phase and for 400V two-phase.
On request, versions 8kW and above can be supplied for a 460V split-phase source.

Inside a Booster are transformers, power electronics, quiet generator motors and a set of long-life capacitors.

Dimensions are 800 x 410 x 370 mm.
The weight per unit is 70 - 90 kg depending on the kW rating.
The steel enclosure is powder coated black.
Digital indicators inform about output voltage, current and status.
Boosters above 8kW are interconnected units of 8kW each.

An electrician connects a cable from a switched wall outlet to the Booster's single phase input and a cable from the Booster's 400V three phase output to multiple wall outlets.

The three-phase output voltages are pure sine waves. Angles between phases are 120°.
The duty circle is 100% for continuous operation at maximum load.
A Booster 8 can power a welder up to 300A, a Booster 12 up to 450A.

Booster converters are manufactured in New Zealand, Australia, Europe and in the US.

The free part replacement warranty period is five years.