



Single to three-phase converter Booster™ T

The Booster™ T converts single-phase power to three-phase power.

Single phase input voltage: 230V, 240V, 400V, 415V, 460V or 480V.

The output is 400V or 415V three-phase, pure sine wave.

The phases angles are 120 degrees, the same as with utility supplied power.

A Booster™ senses starting motors.
It produces boost currents of up to 300% maximum power to accelerate motors to full speed.
All motors accelerate fast.

The rigid and protected digital SCR controller guarantees a long life.

The German bearings inside the internal generator motor do not require any service.
Soft motor mounts and improved air flow reduce the running noise.



A Booster™ T benefits from advances in power electronics:
Precisely balanced three-phase voltages, an efficiency of 96% and a 100% duty cycle for tough working conditions.

It can safely power many three-phase applications such as CNC machines, inverters, welders, plasma cutters, variable frequency drives, VSDs and all hard working motors.
See the installation instructions for output voltages.

The unit is rugged, reliable and efficient. Long life expectancy is guaranteed:
No contacts, no lifetime limiting parts are used inside.
Digitally controlled thyristors offer a practically unlimited life expectancy.

A Booster™ should be used like a transformer:
There are no switches, no controls and no indicators. Just terminal connectors input and output.

Supplied instructions explain electricians which switched wall outlet to install and which fuse to use in the house's distribution box.

The installation of a Booster™ is straightforward and accomplished by an electrician in a short time.

Boosters™ ride through blackouts, brownouts, power surges, fast transients, momentary short-circuits, line disturbances as no other product.

A Booster™ does not produce any harmonics, any line disturbances or electromagnetic radiation.

A Booster™ T comes in sizes 4, 8, 12, 24, 36 or 48kW.

Booster™ :	kW	hp	Single phase supply voltage options		
			230V	400V	460V
T 4	4	5.5	✓	✓	
T 8	8	11	✓	✓	✓
T 12	12	16	✓	✓	✓
T 16	16	22	✓	✓	✓
T 24	24	32	✓	✓	✓
T 36	32	44	✓	✓	✓
T 48	48	65		✓	✓

Boosters™ are assembled to order. 4 and 8kW versions are usually completed within a few days, 12kW within a week and larger versions within about two weeks.

Versions up to 12kW come in a single enclosure sized L 790mm x W 410mm x H 370mm.

Larger versions consist of two or more interconnected units of this size.
A two or three-level steel frame is optional available for space-saving installations.

Free part replacement warranty is five years.

Typical applications:

Woodworking

Saw, spindle moulder, planer, thicknesser, belt sander, band saw, CNC machine, four-sider, tenoner, mortiser, combination machine, wood turning lathe, sander, router, borer, edge bander, dust extractor.

Metalworking

Lathe, CNC machine, drill, folder, milling machine, grinder, saw, polisher, shaper, punch, shear, hydraulic folder, guillotine, press, welder, post lift, hoist, pump, compressor, plasma cutter.

A Booster™ T8 can power a welder up to 300A output, a Booster™ T12 up to 450A.

Farming

Irrigation systems, submersible- or surface pumps, chillers, air conditioning, compressor, refrigeration, effluent pumps, conveyor, crane, hoist, wine press, grain mill.

