



Single to three-phase converter module MT

Booster™ modules MT utilise robust capacitor switching technology for converting single-phase into balanced three-phase 415V power. Modules are wall mountable and can easily be exported.

A standard 2-pole motor must be added locally, this is called the idler motor.
Input voltage to a module is single-phase 415V. A single-phase auto transformer is required if the available supply voltage is 240V single-phase or 2x 240V = 480V split-phase.

Output voltages of a module are 415V three-phase, precisely balanced for inverter applications such as variable frequency drives, VFD, VSD, welders, CNC machines, plasma cutters, air conditioners and all other three-phase loads. Duty circle is 100%. Motors accelerate fast.
Machines and motors will produce full speed, full torque and full power.

No need to change anything inside a machine.
Machines can be equipped with control contactors or electronic controls or displays.

Instant boost currents are generated whenever a motor starts.
Voltages are pure sine wave, phase angles are 120 degrees.

Modules ride through brownouts, power surges, transients, line disturbances as no other product. No contacts or moving parts inside can fail. They do not produce harmonics, disturbances or magnetic radiation. Utility companies have no problem accepting our products in their networks.

Installation is straightforward and is accomplished by an electrician in minutes.
Instructions: http://www.eurotech.co.nz/text/Booster_M_install.pdf

	Transformer	Supply 240V	480V	Required idler motor
MT4	4.5kVA	20A		7.5kW = 10hp
MT8	9.0kVA	40A	2x 20A	7.5kW = 10hp
MT12	14kVA	60A	2x 30A	11kW = 15hp
MT16	19kVA	90A	2x 45A	15kW = 20hp
MT24/2	27kVA	120A	2x 60A	2x 11kW = 15hp

