



## Converters with E400

The E controller starts the generator motor with a single SCR. The SCR connects 3 and D.

The controller re-connects Cstart each time a motor starts.

Load motors accelerate fast.

It disconnects again when voltages are symmetrical.

A ~200 $\mu$ H air coil is essential for an unlimited controller life.

22 turns and 20 cm diameter are ideal.

Never run a controller without a coil. Keep coil clear of metal surfaces.

Converter	Controller	Cstart	Crun	Motor
4kW	E400-08	200 $\mu$ F	30-50 $\mu$ F	5hp
8kW	E400-08	400 $\mu$ F	60-80 $\mu$ F	10hp
12kW	E400-16	600 $\mu$ F	100-120 $\mu$ F	15hp

A controller is indestructible if connected as shown.

Different from a contact, the life expectancy of a thyristor is not limited.

If voltage balance is wanted for inverters: Use a T or F controller.

Colour code E: 1 black, 2 red, 3 yellow, D white.

