

SPEED CONTROLLERS THREE-PHASE MOTORS

TYPE - TC3



The TC3 range of auto-transformer speed-controllers are of a 5-step design and vary the speed from 100% down to approximately 30% of full speed.

Auto-transformers vary the voltage to the motor to vary its speed. The method is very efficient, as power consumption is reduced by as much as 95% and does not generate noise.

When used to control a number of fans the total full-load amps of all the connected fans must not exceed 85% of the maximum rating of the controller.

The fans should be identical.

The motors must be designed for speed control by voltage reduction.

TECHNICAL DATA

Model Number	Maximum Amps	Dimensions, mm	Approx. wt. kg
TC33T	3.0	310W x 330H x 180D	15
TC35T	5.0	310W x 330H x 180D	16
TC310T	10.0	420W x 420H x 220D	23

Enclosure rating - IP00

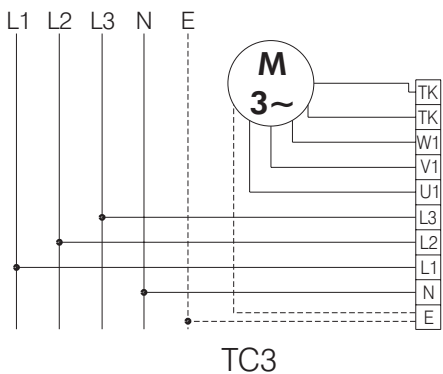
All TC3 units are surface-mounted and incorporate an off - 5 step rotary switch, power and trip indicators, and reset switch. They are all manually controlled.

If higher ratings are required contact our sales office for advice.

SELECTION TABLE

The TC3 units can only be used with motors specifically designed for speed control via voltage control. Ensure the motor amperage does not exceed 85% of the controller rating.

WIRING DIAGRAM



If the motor is protected by thermal overloads and the 2 x TK terminals are not used, they must have a link fitted between them.