



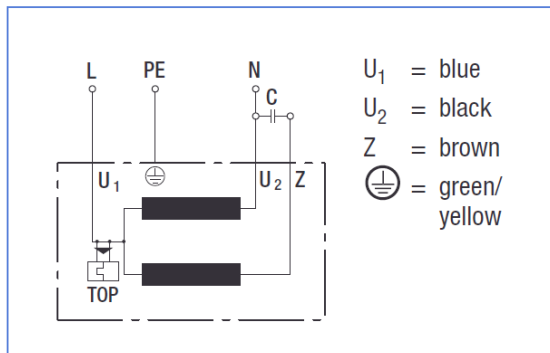
The following information applies generally, but not exhaustively, to the majority of A.C. products sold in Australia & New Zealand.

Notes

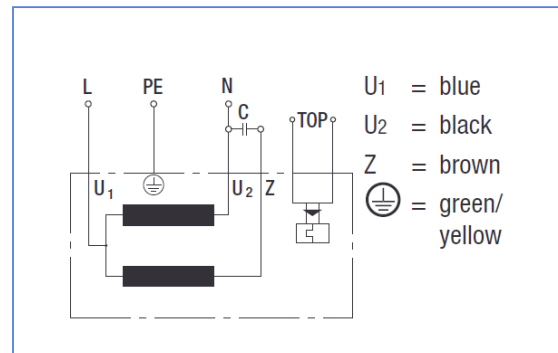
- BE CAREFUL - always check the data on the motor, if in doubt ask an ebm-papst A&NZ representative
- Most single speed 3 phase motors must be connected in "Y" star. Motor will fail if connected in Delta
- 3 phase - change direction of rotation by changing any 2 phases (applies for AC-motors only, not EC)
- All connection leads brought out by ebm-papst are "internal leads" as defined by EN 60335-1
- "PE" = Earth

Please check our website [www.ebmpapst.com.au](http://www.ebmpapst.com.au) or catalogue for complete wiring information

Fans (1~ 230 VAC power line)

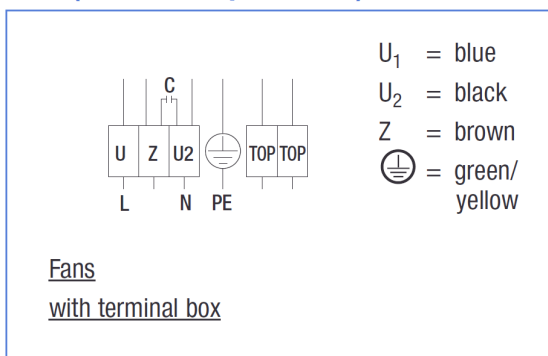


A1) Single phase capacitor motor with TOP wired internally

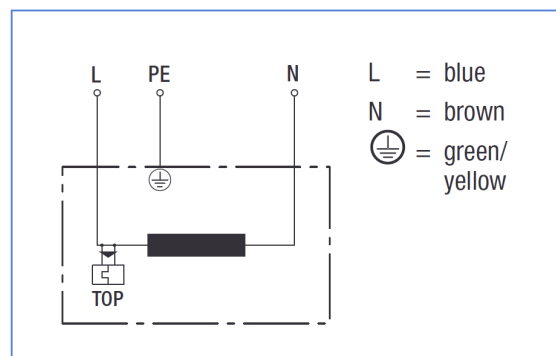


A2a) Single phase capacitor motor with connection for external TOP

Fans (1~ 230 VAC power line)



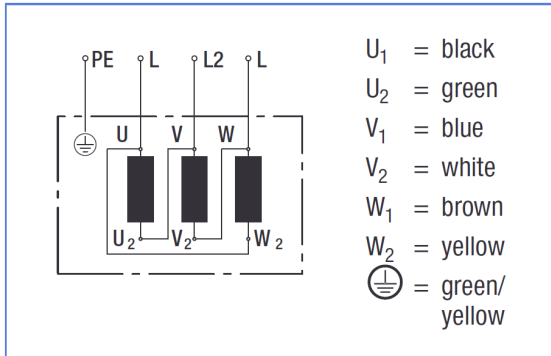
A2b) Single phase capacitor motor with connection for external TOP



B) Shaded pole motor with TOP wired internally

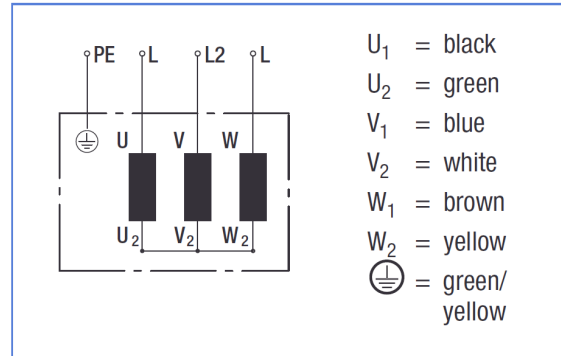


### Fans, 1 speed (3~ 230 VAC power line)



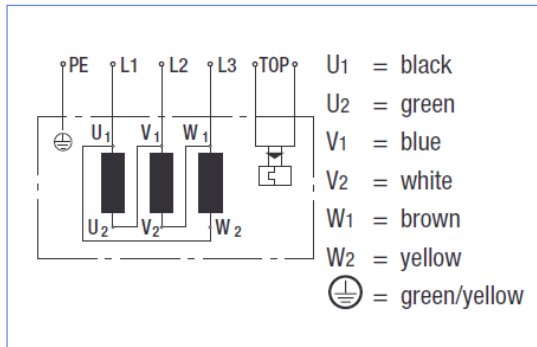
**C1)** Delta connection (3~ 230 VAC power system) without TOP

### Fans, 1 speed (3~ 400 VAC power line)



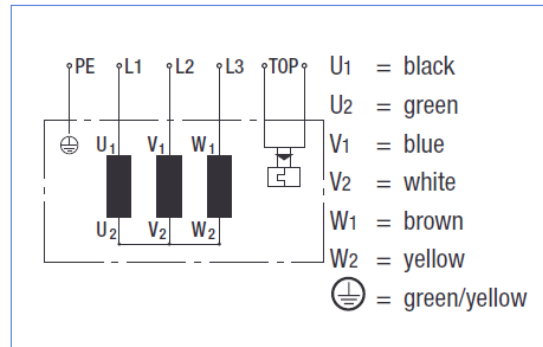
**C2)** Star connection (3~ 400 VAC power system) without TOP

### Fans, 1-speed (3~ 230 VAC power line)



**D1)** Delta connection (3~230 VAC power line) with TOP

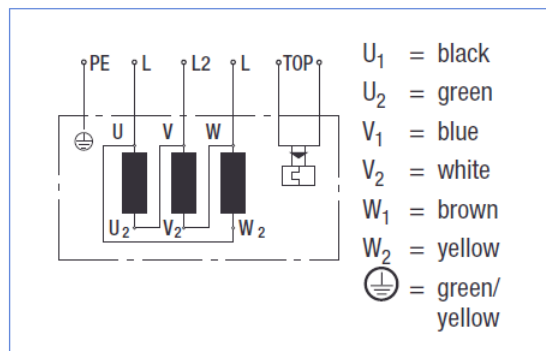
### Fans, 1-speed (3~ 400 or 480 VAC power line)



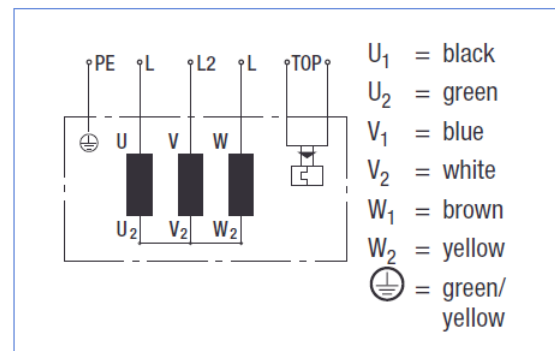
**D2)** Star connection (3~400 or 480 VAC power line) with TOP

Direction of rotation is reversed by swapping two line phases

### Fans, 1 speed (3~ 400 VAC power line)



**F1a)** Delta connection (high speed) with TOP

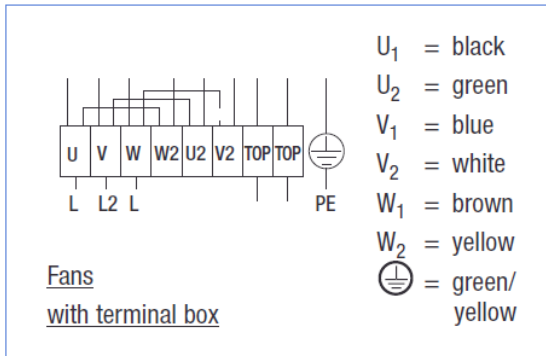


**F2a)** Star connection (low speed) with TOP

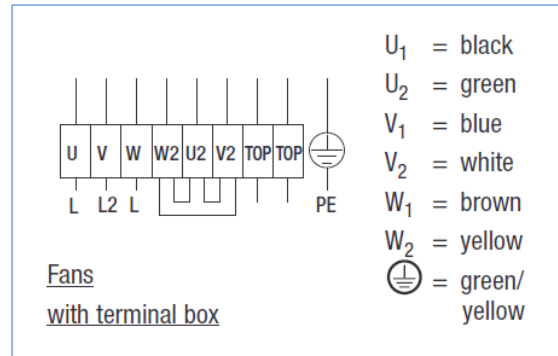
Direction of rotation is reversed by swapping two line phases



Fans, 2 speeds via ▲/Y-switch (3~ 400 VAC power line)



F1b) Delta connection (high speed) with TOP



F2b) Star connection (low speed) with TOP

Direction of rotation is reversed by swapping two line phases