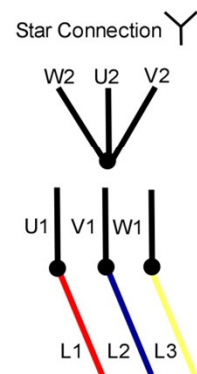
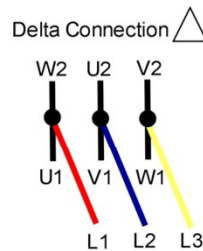


U1, U2, V1, V2, W1 & W2 are the motor leads
L1, L2 and L3 are the supply cables

To reverse the motor, any 2 of the supply cables should be changed over.



Remove terminal box lid using appropriate spanner turning in an anticlockwise direction. Place lid in a clean area whilst cabling and connections are being carried out so as not to damage "o ring seal"



Organise motor cables as per the star or delta connection required and make sure that terminal box is completely sealed from main motor body with hard resin. Undo earth stud nut and keep safe ready to make connection later



Please use suitable IP66 glands and feed appropriate cable through into terminal box. Fully tighten gland when completed as this forms an important part of the IP66 integrity. There is an alternative entry into terminal box if required, if this is used, remember to also move blanking plug and fully tighten



Strip back all motor and supply cables to a sufficient length to enable effective connection and feed onto each motor cable a length of shrink sleeving long enough to thoroughly cover completed connection. This will protect against short circuits should any condensation form inside the terminal box



Solder, braze or crimp appropriate cables as per normal connection diagrams for all conventional 3 phase motors. Connection will vary dependent upon your supply and starting method, we recommend verification of this with a competent electrician.



Place shrink sleeving fully over connections made and heat gently with a hot air gun or hairdryer until sleeving is fitting tightly and completely covering joint. Ensure that ALL connections have this covering. Also ensure that earth wire is connected to stud and terminal nut is replaced and tightened



Replace terminal box lid ensuring that seal is in correct position and not damaged. Fully tighten in clockwise direction with appropriate spanner ensuring that lid is not cross threaded.

Stainless steel motors are built and designed for longevity and low maintenance. The installation, connection and maintenance requirements set out in this document are there to ensure that the product's life will be extended as much as possible

On delivery

- Visually inspect the motor for any obvious transport damage, such as the shaft being tight, fan cowl being dented etc. Should any such damage be found, please refer to your supplier prior to installation
- Before installing the motor, check nameplate data carefully to ensure it is in accordance to specification requested.

Mounting

- Stainless steel motors may be mounted horizontally or vertically, shaft down or shaft up provided there is free movement of air for cooling – If vertical shaft up in a particularly arduous environment additional sealing may be required to achieve maximum benefit, if this is the case, then refer to your supplier for further information
- If ambient temperatures are higher than 40 degrees centigrade, refer to your supplier
- Ensure motors are mounted onto a firm flat base to eliminate chances of misalignment

Power Supply and Connections

- Input voltage should not vary more than + or – 10% of nominal nameplate voltage
- Ensure motor leads are terminated correctly for voltage as per nameplate & info overleaf
- Motor must be earth tested before running – readings below 1 Megohm are unacceptable
- Current test motor of and on load to confirm motor is not overloaded
- Where supplied and able, connect thermistors to protect motor from over temperature

Failure to meet with the above may invalidate warranty

Maintenance

- Bearings are sealed for life and will not need to have grease replaced. Bearings should however be checked for noise at regular intervals and replaced like for like as necessary
- All seals should be checked regularly and replaced as necessary
- Dismantling and maintenance of motor should only be carried out by authorised repair agents.
- Ensure supply is isolated before opening terminal box
- For TEFC motors, they should be checked regularly for ventilation flow at fan cowl
- Any inspection must be carried out carefully using correct tools.

Any further queries or questions regarding maintenance or installation of this product, please refer to your supplier