

STAINLESS STEEL ELECTRIC MOTORS



IP66 Rated

WHAT IS STAINLESS STEEL

- Minimum 10.5% chromium
- 304 – 18% chromium 8% nickel
- Motor develops a chromium rich oxide film which covers any scratches so the motor always looks good.

- Excellent corrosion resistance
- Excellent durability and hygiene factor
- Excellent resistance to damage

- Fastest growing motor product in the USA. No one had this motor 2 years ago, now 12 different motor manufactures have this motor.
- Painted and epoxy coatings unacceptable in food industry in the US, stainless is the way to go.

TARGET INDUSTRIES

- Anyone who has to keep machine clean
- Food Processing
 - Seafood
- Chicken processing
 - Meat Processing
- Marine
 - Fishing boats
 - Prawn farms
 - Oyster farms

TARGET INDUSTRIES

- Beverage
 - Wine
 - Soft drink
 - Fruit juice
 - Brewing
- Chemical
- Pharmaceutical
- Grain

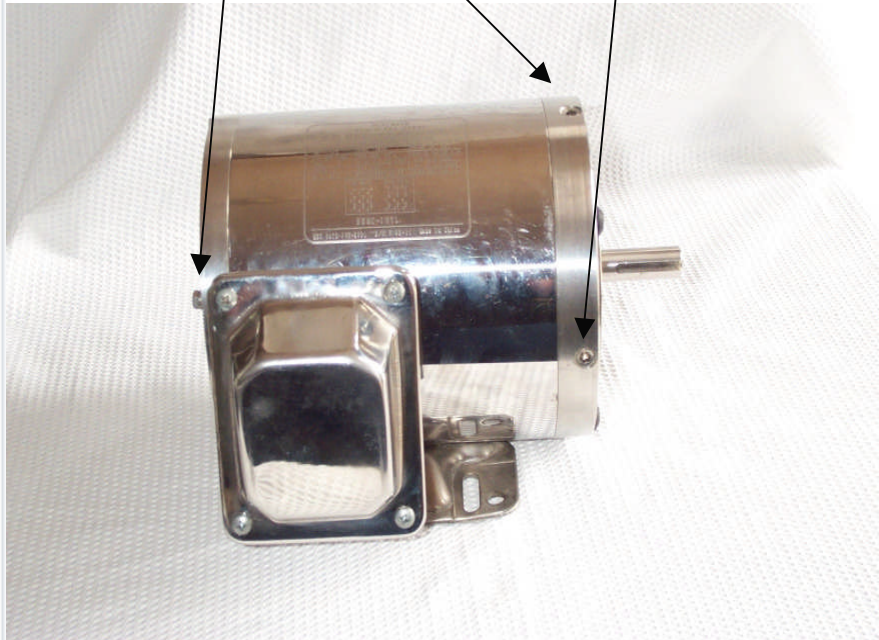
- IP66 Rated
- Double lip oil seals in metal housing
- Gamma seal or stefan seal, which is a rubber vee seal with metal slinger
- 12mm terminal gasket with 6 small holes for motor leads

- Special NTN blue seal bearings, C3 clearance, rated -40.C up to 200.C. Double low friction rubber seals so no efficiency is lost
- Varnished rotor and laminations to prevent rust

- LOW TEMPERATURE RISE :

As it is difficult to get the heat from a stainless steel motor, the motors have been designed to run at a lower temperature than the standard motors (about 55.C temperature rise).

- 4 quadrant drain plugs each end



- Condensation release “T” drain plug
- smooth body for easy cleaning

- Hand wound and inverter duty, phase insulation fitted between each group of coils. As the motors up to 80 frame run so cool, they don't need a cooling fan to cool the windings.
- When run on a frequency inverter the motor can run as slow as you like with no fan forced cooling required

- Double vacuum impregnated windings which sucks all the air out of the stator and then draws varnish through, no air gaps. When this is done twice it encapsulates the windings.

- 304 stainless
- Etched nameplate (first thing that disappears on cast or alloy motors)
- Locked bearing, bearing locked drive end which is necessary for pump operation



- Metric IEC frames, completely interchangeable with any IEC motor including interchangeable with Sew Eurodrive motors
- MEPS approved, motors are all EFF2 and in most cases EFF1, will all be EFF1 next year.
- B3, B5, B35, B34 mounting (all parts are interchangeable)