January 2021

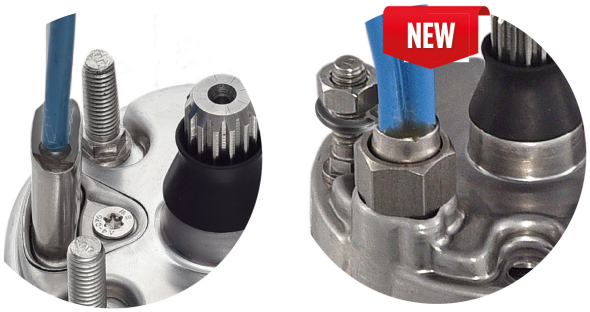
Design upgrade of the 4" Super Stainless motor

More than 75 years after the establishment of Franklin Electric, we continue to manufacture and distribute improved versions of this unrivaled motor design all around the world, and have expanded our expertise to create innovative solutions, including pumps, electronics, and adjacent products, addressing modern industry challenges and serving our customers' needs.

The 4" Super Stainless motor has undergone an upgrade to further improve it and adapt it to market conditions.
The changes are effective immediately.

Cable with round plug with jam nut in the conventional proven design

Cable Cable compression with jam nut with extended screw sleeve for better handling



Stator with solid 304SS end ring for better corrosion resistance and robustness

FEATURES & BENEFITS

- 4" NEMA mounting design with metric studs
- Stainless steel splined shaft
- Stator shell in 316SS
- Factory filled with Franklin's non-toxic water soluble fill solution
- Liquid lubricated radial bearings and High capacity Kingsbury type thrust bearing for 100 % maintenance free operation
- Field replaceable lead using Franklin's exclusive Water Bloc technology with extended jam nut in Stainless steel
- High efficiency electrical design for low operation costs
- Drinking water approvals
- Suitable for use in water with increased salinity
- Electrical Designs: 1 ~ PSC / 2-wire 1~ / 3-wire 1~ / 3~

SPECIFICATION

- Ratings: 0.25 – 3.0 kW
- Frequency: 50 Hz (P SC, 2- wire, 3- wire & 3~); 60 Hz (3- wire & 3~)
- Thrust load: 4 kN
- Nominal ambient temperature: 30 °C with 0.08 m/s cooling flow
- Voltage tolerance: -10 % / +6 % (50 Hz), +/- 10% (60 Hz)
- Protection IP68, insulation class B
- Frequency of starts: 20 starts/ hour (with min. 3 minutes resting time)
- All motors with factory installed leads (1.50 m / 2.50 m) Special lead length up to 50 m,
- Vertical and horizontal operation, shaft upwards
- Rotation counter clock wise facing shaft end (1 phase motors CW upon request, 3 phase motors rotation reversible)

For ordering information and more options please refer to the product catalog, available on franklinwater.eu.

ISO 9001

All motors are manufactured in ISO 9001 certified plants and 100% tested

Hydrodynamic liquid lubricated radial bearings

100 % maintenance free operation

StatorSHIELD™ - Franklin encapsulation system

Franklin Electric encapsulated motors are equipped with hermetically-sealed windings. The Anti track stator resin mechanically supports the winding and provides fast heat dissipation.

Kingsbury type thrust bearing

High capacity 4 kN Kingsbury type thrust bearing for 100 % maintenance free operation

Pressure-equalizing diaphragm