

FRANKLIN AID



Franklin Application/Installation Data *Europe*

No. 3/2015

Presenting our new 4" submersible motor

As the population of our newly introduced standard 4" submersible motor is rapidly growing, we want to dedicate this AID bulletin to discuss some of the highlights and novelties this design proposes.



Full AISI 304/316 stainless steel construction

With this new motor, we have eliminated the mix of dissimilar materials that currently make up the top and bottom stator housing. We expect this to improve not only the look and feel, but also the motor performance when used in slightly aggressive environments.

Flat cable without separate earth lead

The novel plug sleeve design accommodates a jacketed, 4-cored flat lead. This significantly reduces the effort of water-tight splicing the motor short lead to the drop cable, reducing time, cost and risk of water ingress.

Clamped, positive stop cable mount

When replacing motor leads in the field, sometimes operators found it tricky to assemble and correctly tighten the jam nut of the 4" motor cable. With the new design, we are proposing a cable clamp solution that uses only one T25 hexalobular (Torx®) – slot combination head screw that will be torqued down to a positive stop with a well-defined torque of 3-4,5Nm.

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New Thrust Bearing

A consequence of modern, state-of-the-art design capabilities and manufacturing technology, it uses fewer components but is capable of carrying more thrust than any of the previous designs. At the same time, it is easier to assemble and replace than the current design.

Replenishing valve accessible from outside for all motor ratings

All new 4" motors now feature a replenishing possibility via syringe from the outside of the motor by removing a plastic cap and filter.



The new design will apply to all "low thrust" standard motors in the following electrical executions:

- 3-phase
- 3-wire
- PSC

The "high thrust" motors, as well as the 2-wire motors will continue to come with the 3+1 lead configuration using a round plug and jam nut.

Please contact your Area Sales Manager or Field Service Representative with any questions you may have.

LOOK OUT for 2016...

While thanking you for the trust you have extended to us as we say goodbye to 2015, we are excited about a new year of challenges, sweat and great satisfaction ahead!

Your Franklin Electric Field Service Team - EMENA



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