

4" - 10" HIGH EFFICIENCY SYSTEMS

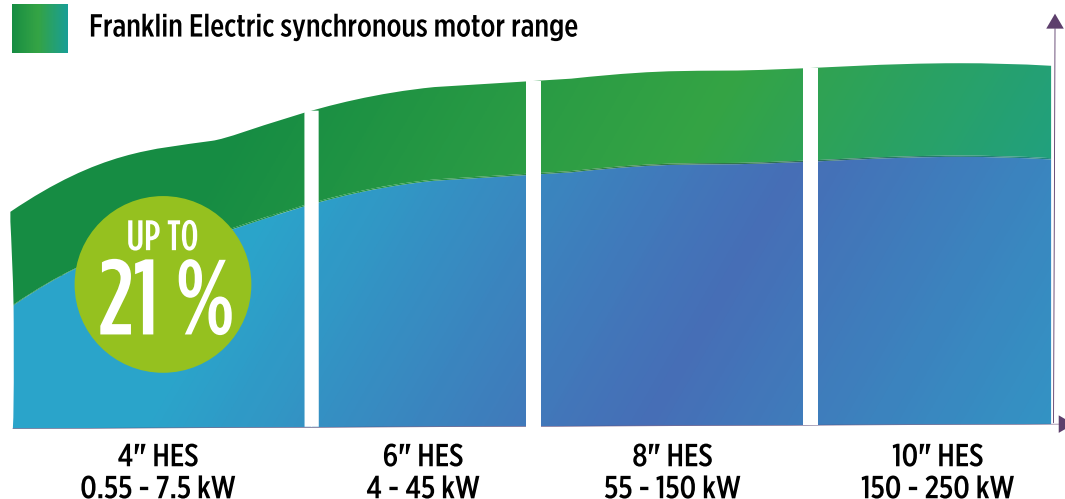


SUPERIOR EFFICIENCY

In times of rising energy costs, new systems put more and more emphasis on the best possible efficiency. Here, Franklin Electric has set a new benchmark with its High Efficiency Systems (HES).

Compared to standard asynchronous motors, energy savings of up to 21% have been achieved in numerous systems installed worldwide. See the success stories of our customers on franklinwater.eu

- Standard asynchronous motor range
- Franklin Electric synchronous motor range



- ✓ No electrical rotor losses with permanent magnet motors
- ✓ Up to 15 points (21%) improved motor efficiency*
- ✓ Reduced motor current / cable cross-section
- ✓ Synchronous speed (no slip)
- ✓ Excellent partial load behaviour (Reduced stock levels)
- ✓ Less temperature heat rise

PACKAGED DEAL



One-stop shop - Perfectly matching components guarantee first-class performance

- Synchronous submersible motor
- Variable frequency drive
- Matching output filter (> 230 V)
- Flow switch (Solar systems \geq 4 kW)
- Submersible pump

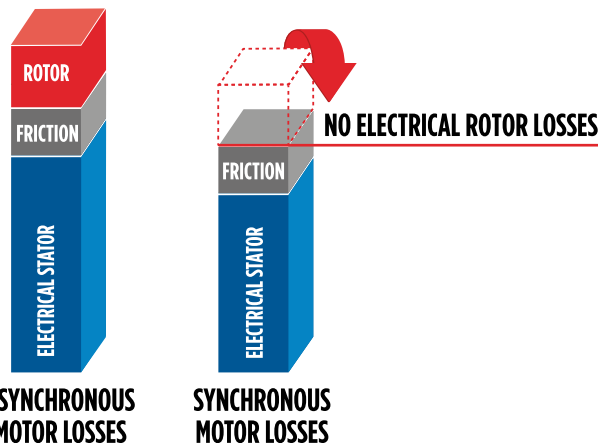


*compared to current asynchronous technology and measured with Franklin Electric Original equipment

4"/6"/8"/10" HIGH EFFICIENCY SYSTEMS

PERMANENT MAGNET TECHNOLOGY

The key factor for energy savings and superior efficiency is the permanent magnet technology of the motor. Instead of a short-circuit induction type rotor, the high efficiency motor contains a permanent magnet rotor design with buried magnets.



SELECTION AND PAYBACK TOOL

To help you select the right system for your grid and solar applications, use the HES selection and sizing tool on the [Franklin website](#).



EASY INSTALLATION & SUPPORT

- Operation with grid or solar supply
- Easy and fast commissioning due to initial configuration wizard
- Remote control and real-time monitoring via Mobile App (4")
- Remote assistance / Trouble shooting from the Franklin Electric support team (4")

APPLICATIONS



SOLAR SYSTEMS

- ✓ One-stop shop and perfectly matching components guarantee first-class performance/efficiency
- ✓ Direct DC feeding, AC power source compatible
- ✓ Suitable for the use in remote areas and harsh environments
- ✓ Robust Electronics enclosure designs
- ✓ The special Franklin Electric MPPT algorithm for borehole applications maximizes the system performance.
- ✓ 4" Solar Voltage Boost (up to 2.2 kW)
 - ▶ Sizing in power rather than voltage
 - ▶ Reduction of required Solar panels, more water respectively
 - ▶ Saving of investments and installation work



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