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## Up to 21 %\* energy saving with the new 4" High Efficiency System (HES) up to 4.0 kW

Franklin Electric is pleased to announce the launch of the new 4" High Efficiency System. The complete package consisting of variable frequency drive, permanent magnet synchronous motor, submersible pump and optional output filter offers a compact and smart high-output system solution to meet your water pumping requirements. Well-chosen and perfectly matching components guarantee first-class efficiency and energy saving of up to 21 %\*. The 4" High Efficiency System can be used in either grid or solar applications which makes it a unique and flexible all-in-one solution.

### FEATURES & BENEFITS

#### SUPERIOR EFFICIENCY

- Up to 15 points (21 %) improved motor efficiency\*
- Excellent partial load behavior (SKU reduction)
- Due to the high motor efficiency, amps are significantly reduced, which might lead to smaller drop lead cross size and thus cost saving.
- One-stop shop and perfectly matching components guarantee first-class performance/efficiency
- Power factor corrected input (No power compensation needed)



#### EASY INSTALLATION & FULLY SUPPORTED

- Easy system set-up due to Franklin Electric App in combination with tailored pre-settings
- Fully supported by the Technical Support Professionals and Field Service Engineers



#### INCREASED LIFETIME

- Incorporated Soft start and protection features (no additional investment)
- Speed control (Optimum aggregate operation - pump matches system any time)

#### PACKAGED DEAL

- 4" synchronous submersible NEMA motor
- 4" submersible pump
- Variable frequency drive
- Matching output filter for 400 V systems





## UP-TO-DATE CONNECTIVITY

- Factory-featured with Bluetooth 4.0 Connectivity
- Remote control and maintenance via Mobile App



## SPECIFICATION

- Motor range: 1.1 / 2.2 / 3.0 / 4.0 kW (50 Hz - 3000 rpm)
- Motor range: 1.2 / 2.5 / 3.4 / 4.6 kW (60 Hz - 3600 rpm)
- System Power Supply: 220 V - 400 V  $\pm$  10 %
- Frequency: 50 Hz - 60 Hz  $\pm$  2 %
- Nominal ambient temperature: motor: 30 °C, electronics: 50 °C (> 40 °C with derating)
- Vertical and horizontal motor operation
- Protection: motor: IP68, insulation class B  
drive: IP66/65  
filter: IP00
- 230 V kits without additional output filter

## OPTIONS

- Special Voltages
- Higher-graded material: 316SS
- Sinus output filters in IP00 (400 V)
- VFD IP21 for 400 V systems (on request)
- Solar

## SOLAR SYSTEM

- Best-class performance/efficiency, less panels, more water respectively
- Integrated voltage “boost” (up to 2.2 kW) significantly reduces number of solar panels
- MPPT algorithm maximizes system performance
- Backup Power supply / Direct AC feeding to maximize system runtime

For ordering information please refer to the product catalog, available on <https://franklinwater.eu/products/>.

Please do not hesitate to contact your Franklin Electric Area Sales Manager or Field Service Engineer for additional information.

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