

December, 2019

Up to 14 %* energy saving with the 4" High Efficiency System (HES) 7.5 kW

Franklin Electric is pleased to extend the 4" High Efficiency System to 7.5 kW. 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 savings of up to 14 %*. 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 13 points (14 %) 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 commissioning due to integrated start-up wizard 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" & 6" submersible pump
- Variable frequency drive
- Dv/dt or sinusoidal output filter



* in comparison to current asynchronous technology

SPECIFICATION

- Motor range: 7.5 kW (100 Hz - 3000 rpm)
- System Power Supply: 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: IP66/21
 filter: IP00

OPTIONS

- Special Voltages
- Higher-graded material: 316SS
- Solar



SOLAR SYSTEM

- Best-class performance/efficiency, less panels, more water respectively
- MVPT 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 franklinwater.eu.

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

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