

December 2020

## 10" High Efficiency Systems up to 250 kW

Franklin Electric is pleased to announce the extension of the High Efficiency Systems up to 250 kW.

The complete package consisting of variable frequency drive, 10" permanent magnet synchronous motor and output filter offers a compact system solution to meet your water pumping requirements. Well-chosen and perfectly matching components guarantee first-class efficiency and energy saving of up to 7%. The 10" 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 7 % improved motor efficiency
- Excellent partial load behavior (SKU reduction)
- One-stop shop and perfectly matching components guarantee first-class performance/efficiency



#### INCREASED LIFETIME

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

#### 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



#### PACKAGED DEAL



- 10" rewindable synchronous motor in WW (Stainless Steel shell and powder coated motor brackets)
- Variable frequency drive
- Matching output filter
- Flow switch (Solar systems)
- Matching submersible pumps available (separately)

## SPECIFICATION

- Motor ratings: 200 & 250 kW (100 Hz - 3000 rpm) / 315 & 390 HP (120 Hz - 3600 rpm)
- System Power Supply: 400 V / 460 V  $\pm$  10 %
- Frequency: 50 Hz - 60 Hz  $\pm$  2 %
- Nominal ambient temperature: motor: 30 °C, electronics: 50 °C (> 40 °C with derating)
- Vertical operation; horizontal operation for 200 kW
- Protection: motor: IP68, insulation class Y  
drive: IP00  
filter: IP00

## SOLAR SYSTEM

- Best-class performance / efficiency, less pv-panels, more water respectively
- Solar drive available in IP00 enclosure rating
- AC and DC power source compatible
- MVPT algorithm maximizes system performance

## OPTIONS

- Special Voltages
- IP54 Electronics
- Further materials: 316SS, 904L
- Solar version

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.

