

6" High Efficiency System



Quality in the Well

In consideration of environmental relief and energy saving Franklin Electric developed a High Efficiency 6" Submersible Borehole System, consisting of a synchronous submersible 304SS NEMA motor associated variable frequency drive and output filter.

System Product advantages:

- One-stop shop – perfectly matching components guarantee first class performance
- Up to **20% energy saving***
 - ⇒ *System payback < 2 years*
- Up to **13% improved motor efficiency** (system up to 11%) with excellent partial load behaviour*
 - ⇒ *SKU Reduction*
- Significant lower motor heat rise
 - ⇒ *Increased lifetime*
- Higher power density*
 - ⇒ *Lightweight*
- Easy set-up due to tailored pre-setting, user interface and own **Franklin Electric software**
- Speed control
 - ⇒ *Optimum aggregate operation - pump matches system any time*
- Incorporated Soft start and protection features
 - ⇒ *Increased lifetime*
 - ⇒ *No additional investment*
- Reduced amps
 - ⇒ *Smaller drop lead cross size*
- Top class protection with Electronics in IP66/54**
 - ⇒ *Easy retrofit - no additional cabinet cost*
- Power factor corrected input
 - ⇒ *No power compensation needed*
- Communication Modbus (RS485 and Ethernet)

System Technical Specification:

- Rating: 4 - 37kW
- Power Supply: Voltage 400V +/- 10%
Frequency 50Hz +/- 6%

*In comparison to current asynchronous technology

**Alternative Electronics in IP21/00 for cabinet assembly available