

MEET YOUR WATER TARGETS IN THE MOST EFFICIENT WAY

SPE SYSTEM WITH THE MS6000P MOTOR

MEET WATER TARGETS WHILE REDUCING ENERGY COSTS AND CO₂ EMISSIONS

Are you tired of oversized submersible pumps wasting energy outside of peak periods? Or of insufficient pumps not being able to handle peak demand?

Grundfos SPE has got you covered!

The submersible pump system combines the superior hydraulics of the Grundfos SP pump with the efficiency of a permanent magnet motor and the flexibility of a frequency converter. Altogether, this enables you to meet demands, whether high or low, while protecting your pump and obtaining superior energy efficiency.

WHAT YOU GET

Grundfos SPE is a submersible pump system consisting of a Grundfos SP pump, a permanent magnet motor and a frequency converter. The system is perfect for water supply and irrigation applications.



GRUNDFOS SP PUMP

Having been on the market for more than 50 years, the Grundfos SP pump has proven itself in terms of reliability and efficiency. With a superior hydraulic design, the Grundfos SP offers outstanding energy efficiency. Other benefits include the wide range of flow sizes and the 100 % stainless steel construction with several material variants available.

PERMANENT MAGNET MOTOR

The permanent magnet motor is among the best on the market. Combined with the canned rotor design, the permanent magnet technology offers world-class energy efficiency and reliability. And with an increased temperature rating (60 °C) and a stainless-steel rotor cladding protecting the magnets from corrosion, the motor has a wider application use and a longer lifetime.

FREQUENCY CONVERTER

A frequency converter is required to run the pump with a permanent magnet motor. Furthermore, the frequency converter is what allows you to control pump speed in order to adjust to changing conditions and demand. We recommend using the Grundfos CUE (or RSI for solar installations), which comes with predefined settings and an installation wizard that makes setup and commissioning quick and easy. The CUE and RSI both come with built-in motor protection and a soft start feature which ensures optimal protection of your well and pump.

GET THE BEST OF BOTH WORLDS WITH ADJUSTABLE SPEED

Thanks to the frequency converter's ability to adjust pump speed, you can install a pump that is large enough to handle the maximum capacity needed but run it at reduced speed outside of peak periods, or when water in the well is insufficient, saving energy and protecting the pump. That way, you can rest assured that your SPE system is always operating according to current demand and conditions, maintaining superior energy efficiency over the entire range of regulation.



CONSERVE ENERGY

By running the highly efficient pump at reduced speed outside of peak periods, energy consumption is kept to a minimum. Over time, this will result in significant energy savings.



PROTECT PUMP

With adjustable speed, the SPE system can protect your pump from dry-running in case of low well yield by adapting its performance to the current conditions. Furthermore, the frequency converter provides electrical protection of the pump.



ENSURE WATER QUALITY

The frequency converter enables soft start, which prevents the stirring up of sand and other particles that can compromise water quality, when the pump starts.



ACHIEVE SIGNIFICANT SAVINGS

Thanks to its high efficiency and quality components, the Grundfos SPE system can ensure savings of up to 20 % compared to a standard system.



RELIABLE

The SPE system is made strictly from components of the highest quality, ensuring supreme reliability and longevity. The permanent magnet motor ensures that the system runs cooler, resulting in less wear and tear. Furthermore, its stainless-steel rotor cladding protects the magnets from corrosion.



FLEXIBLE

With the ability to run the pump at less than full speed when desired, you will not have to compromise on the size of your pump in order to save energy or avoid dry running. Essentially that means that the size of your submersible pump will not have to stand in the way of you meeting your water targets and peak demand.



FUTUREPROOF

As groundwater becomes an increasingly scarce resource, the ability to adjust water intake becomes essential to protecting our groundwater and your pump. The SPE system offers a level of efficiency, reliability and flexibility you need to meet your targets, whether they have to do with securing water supply, optimising well lifetime or saving energy and CO₂ emissions.

5-YEAR WARRANTY

Designed to be the best and most reliable high-efficiency pump system available, we are so confident in the quality of our SPE system that we offer a 5-year warranty. To qualify for the 5-year warranty you have to have purchased a complete SPE system containing the following products:

- SPE Hydraulic Pump
- Permanent magnet motor MS6000P
- CUE converter



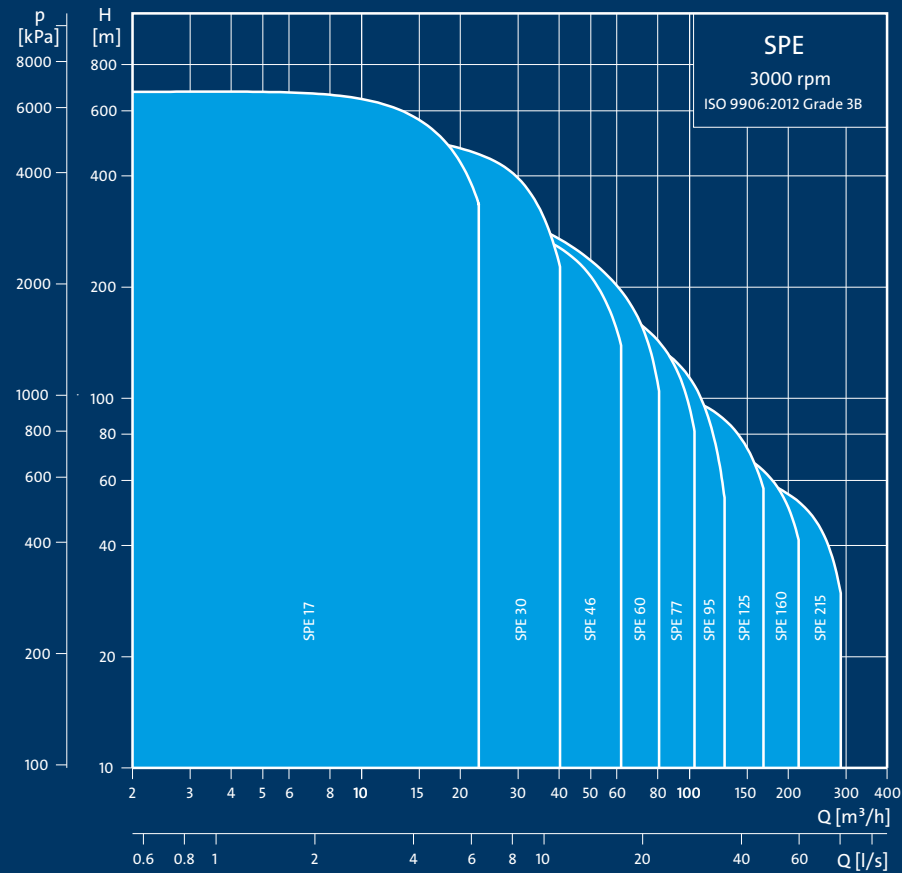
5-year
warranty

NO SINE WAVE FILTER NEEDED

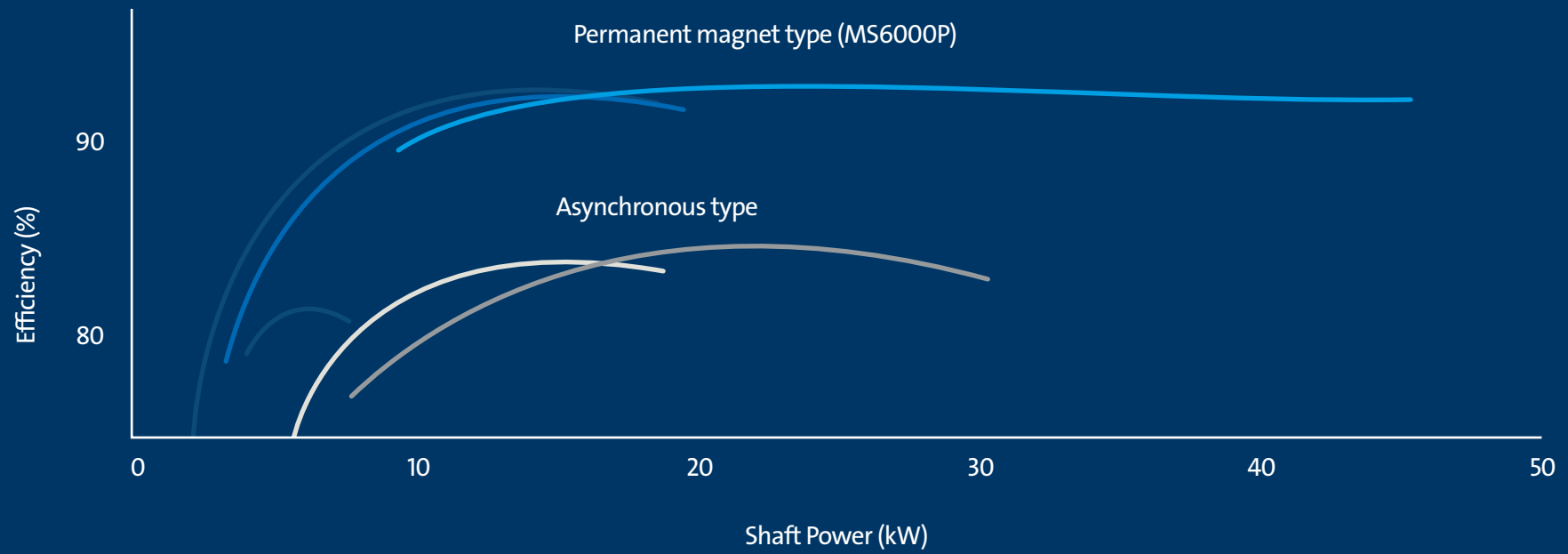
Thanks to its updated design, the SPE system no longer requires a sine wave filter, simplifying the installation process and reducing costs. A sine wave filter may be required, if either of the following applies:

- An output filter is required by country, state and or local electrical regulations
- An RSI is used on a DC powered system
- The incoming voltage exceeds 460V
- Drop cable length exceeds 300m

PUMP PERFORMANCE RANGE



MOTOR PERFORMANCE RANGE



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