

# SUN 4" WELL

## 4" SOLAR SUBMERSIBLE SYSTEM



## Technical data

### Hydraulic part S4

- delivery outlet and bottom support in stainless steel AISI 304
- impellers and diffusers in noryl
- resistant to sand (maximum content 120g/ m<sup>3</sup>)
- five hydraulic models available (maximum pressure 110m, maximum flow 9 m<sup>3</sup>/h)

### Motor

- 4" oil-filled motor
- DC brushless technology with permanent magnets rotor
- three-phase configuration – 8 pole
- supply voltage: 56V

### Drive

- IGBT power stage
- PWM modulation
- integrated MPPT algorithm
- sensorless position control
- input voltage: 25V – 99V DC
- maximum input current: 10 A
- maximum supplied power: 800W



## Introduction

Sun4Well is the new DAB system for the supply of drinking water based on the most widely available renewable energy, the sun.

By means of the electric power supplied by a series of photovoltaic panels and exploiting the combination of a 4" submersed pump and a controller with inverter, the system is able to ensure continuous drawing of water from the subsoil while the solar irradiation conditions vary.

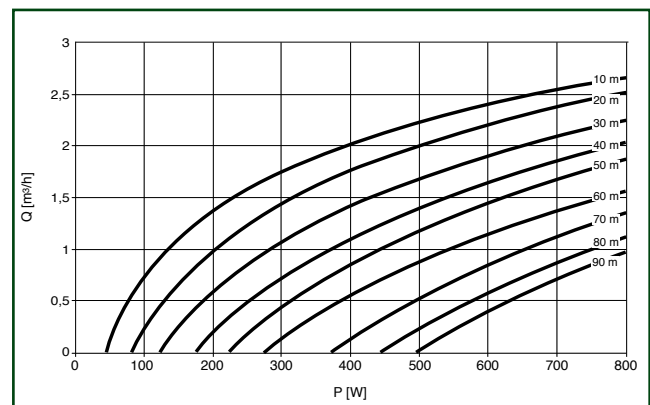
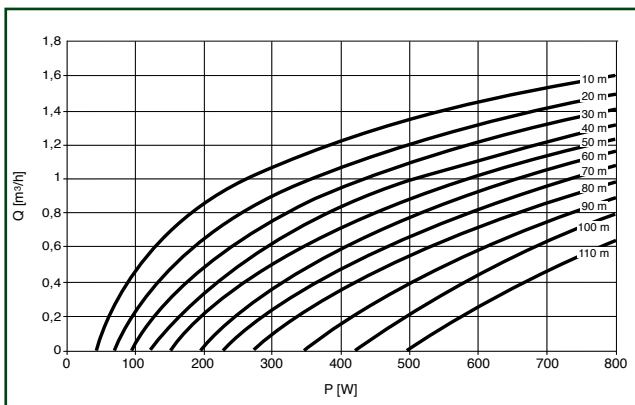
The permanent-magnet motor technology allows high efficiency of the system which, consequently, requires a smaller number of photovoltaic panels in order to work. Conceived for easy use and requiring no maintenance, it is the ideal solution for supplying water in remote areas, where the normal power supply of the electricity mains is inconstant or completely unavailable.

## Main Features

- Ease of installation and use
- The controller requires no configuration
- Completely automatic system
- Batteries or accumulators not required
- No maintenance required
- High motor and system efficiency

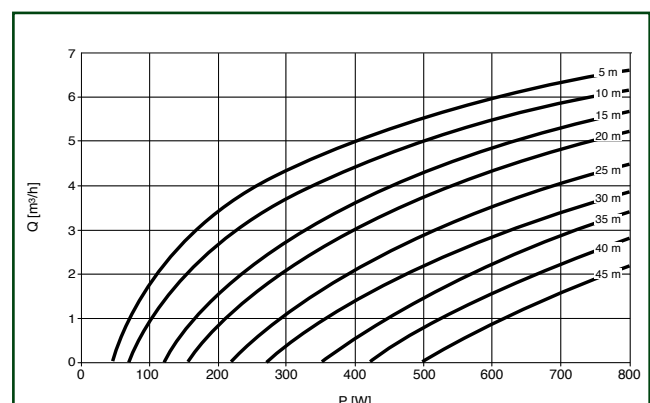
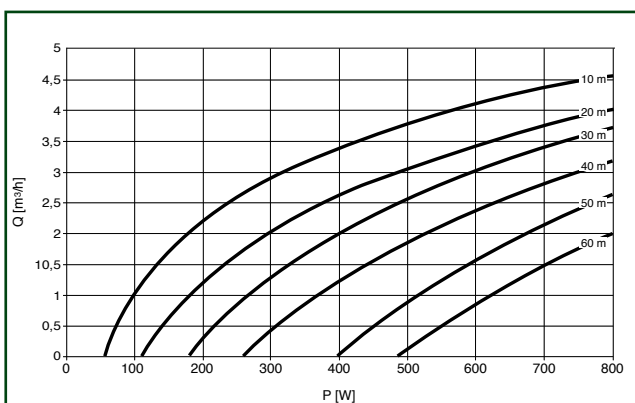
## Performance

SUN 4" WELL S4A25



SUN 4" WELL S4B16

SUN 4" WELL S4C13



SUN 4" WELL S4D8





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