



SMP SERIES PERMANENTLY MAGNETIZED VARIABLE SPEED DRIVE (VSD) SELF-PRIMING PUMPS

Variable Speed Drive (VSD) pumps are designed to efficiently control and manage the flow and pressure of liquids, such as water, in a wide range of applications. They are characterized by their ability to vary the speed of the pump's motor, which, in turn, allows for the adjustment of flow rates and pressure levels. This technology offers several advantages in terms of energy efficiency, precise control, and system optimization.

COMMON CHALLENGES OF FIXED SPEED (NON-VSD) PUMPS

- Fluctuating water pressures in the shower
- Consistent amount of energy consumption regardless of actual demand
- Water hammer / hydraulic shock caused by start and stop
- Not ideal for use on Solar Systems due to high power demand at startup
- Low energy efficiency
- Pump size selection specific

THE SEOCA SMP ADVANTAGE

- Consistent water pressure and a steady flow regardless of demand
- Adaptability to demand that leads to reduced energy consumption
- Smoother stop and start operation eliminate water hammer and shock in pipes
- Ideal for Solar Systems due to soft start
- Permanently magnetized motor paired with VSD ensures high performance at reduced energy consumption
- Pump adapts and only uses the energy required for the current demand



FEATURES:

- 8m maximum Suction lift capability makes it ideal for drawing water from underground water tanks
- Simple choice, 0.55kW for single and 0.75kW for double story homes
- Solar compatible
- Plug & Play ensures easy DIY installation
- Unmatched energy saving
- Complete pump and system protection
- Reduced equipment and system wear and tear
- Silent operation





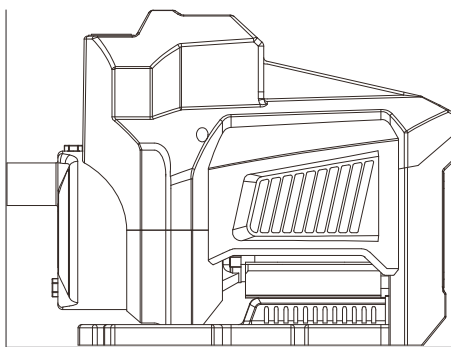
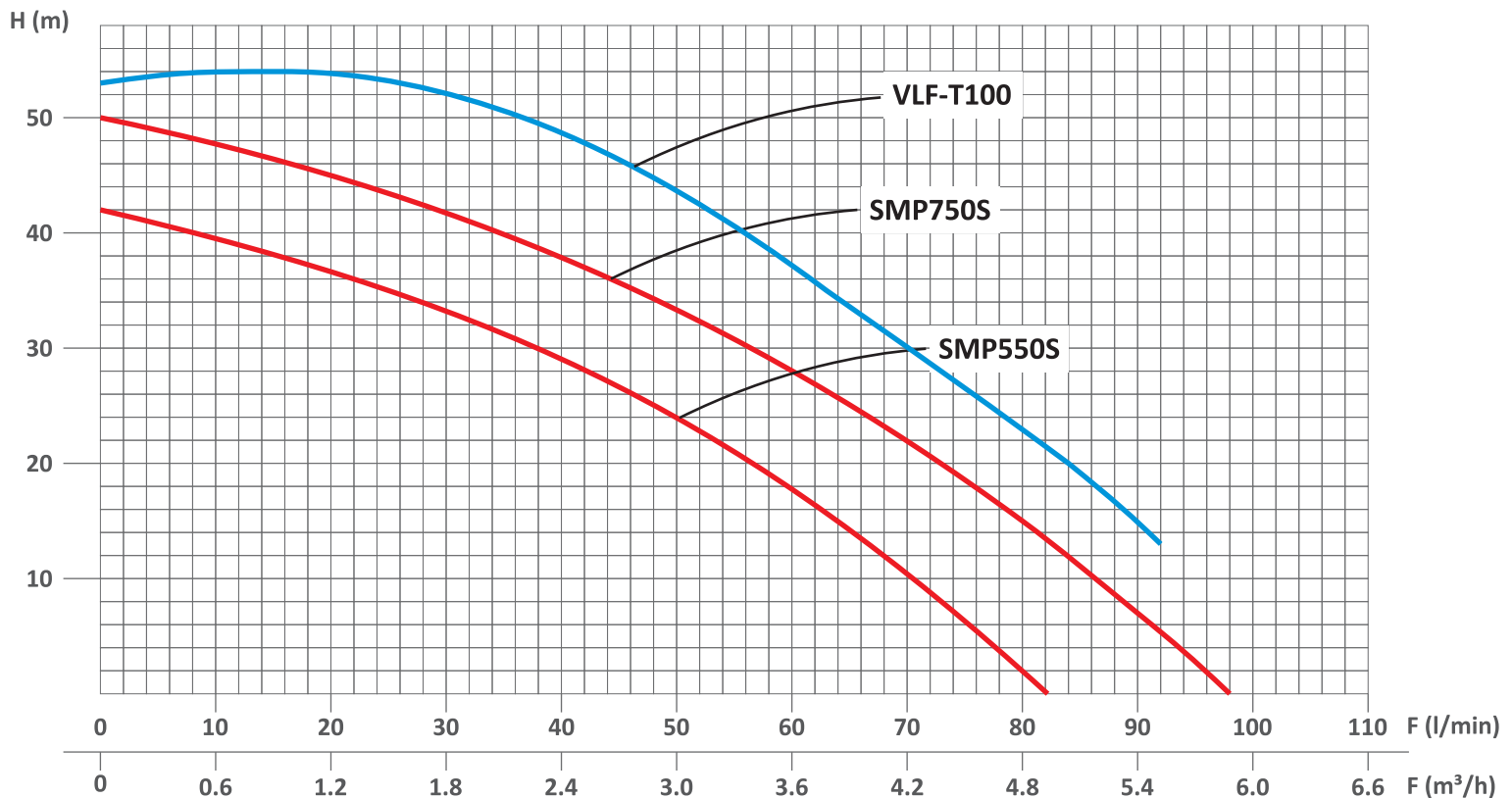
PUMP CONSTRUCTION MATERIAL:

Casting: SS304

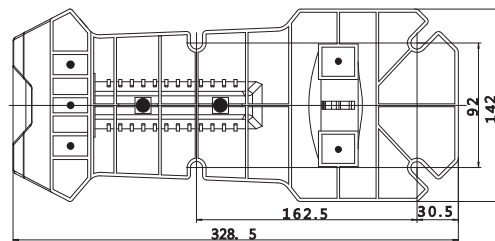
Pump Shaft: SS304

Impeller: Glass Fibre Reinforced Noryl (PPO-GF30)

Mechanical Seal: Carbon Graphite / Silicon Carbide / Viton



Product Dimensions: 390 x 195 x 290



Chassis length, Width & Height

Model	Voltage (V)	Power (kW)	Max. Flow (m³/h)	Max. Head (m)	Rated Flow (m³/h)	Rated Head (m)	Piping (mm)	Max. Suction Range (m)
SMP550S	160 - 260V 50 / 60 Hz	0.55	5.3	42	3	24	25	8
SMP750S		0.75	5.8	50	3	31	25	8
VLF-T100		1	5.6	55	3	43	25	8