

HELICAL ROTOR SOLAR PUMPS



VSOL02/02H

The 4" Submersible Helical rotor solar pumps (4HS H), powered by renewable energy sources, is a new pump range driven by an AC permanent magnets motor with built-in inverter. 4HS H MultiPower pumps may be powered by AC or DC with a wide range of operating voltage (90 - 265 VAC / 90 - 340 VDC).

This means that 4HS MP pumps can be connected to solar panels, batteries, wind turbine and generators. The 4HS "H" pumps are equipped with a helical rotor that moves within a double helix rubber stator. Over-current, over-temperature and dry run protections are integrated on-board.



APPLICATION

- Potable water supply from deep wells
- Agricultural irrigation, livestock watering, etc.
- Municipal & Industrial water supply
- Fountains
- Clean, chemically not aggressive, not explosive, without solids and fibre content

MOTOR

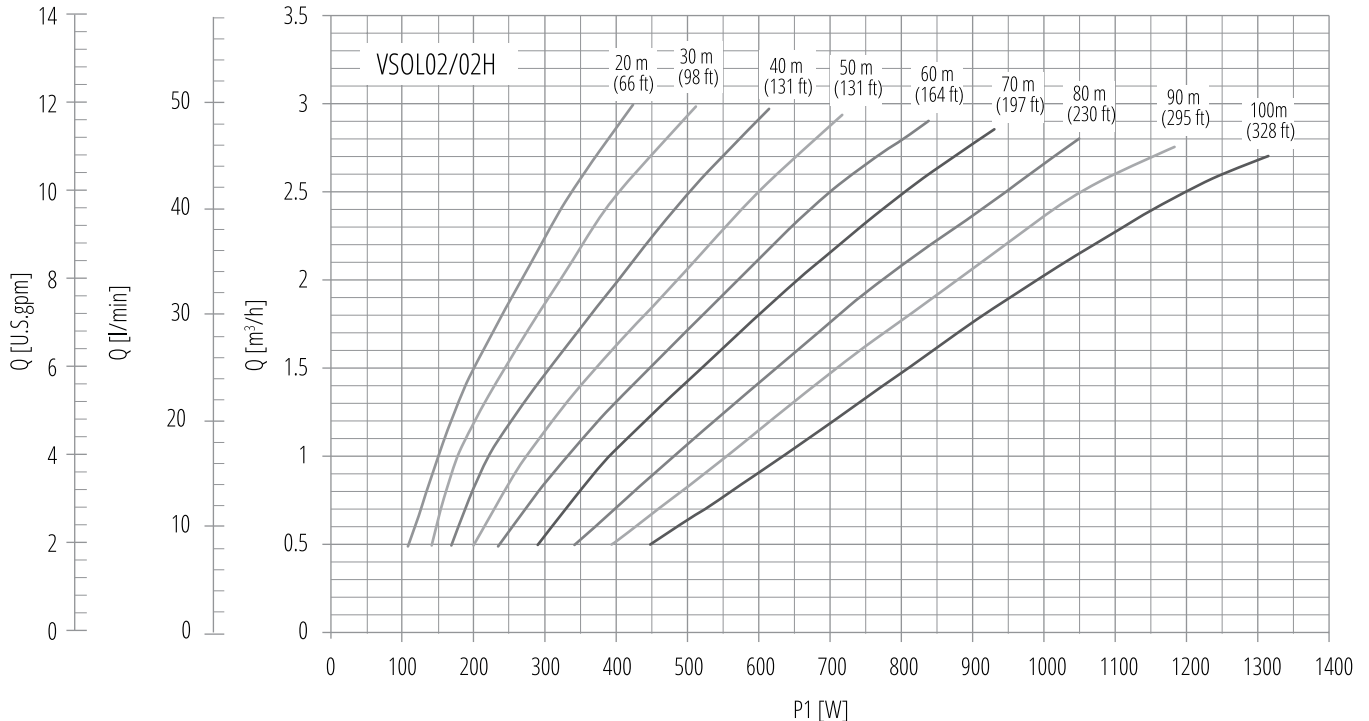
- Insulation Class F
- Protection IP 68

MATERIALS

- Helicoidal Rotor - AISI 316 Cromed
- Non-Return Valve - AISI 304
- Impeller - AISI 304
- Helicoidal Stator - EPDM + AISI 304

OPERATING CONDITIONS

- Max temperature: 35 °C (92 °F)
- Min cooling speed: 0.2 m/s
- Sand content: Max. 50 g/m³
- Max immersion depth: 150 m



TYPE	VOLTAGE	MAX ABSORBED CURRENT	POWER FACTOR	MAX ABSORBED POWER	DIMENSION mm	DELIVERY	PUMP WEIGHT kg	MAX DIAMETER mm	TOTAL WEIGHT kg
		A		P1 [W]					
VSOL02/02H	90 - 340 VDC	10 (130 VDC)	1	1300	1350	1 ¼"	19,5	101*	20,5
	90 - 265 VAC	10 (130 VAC)							

* Max. external diameter including cable and cable cover