

HR0.6-2



Solar Helical Rotor Pump System for 4" well

System Overview

Head max.200m work head 120m

Flow rate max.0.65m³/h

Technical Data

Controller:CTL-48

- Control and monitor system operation
- Dry running protection
- Prevent reverse rotation, overload and overheating
- Integrated MPPT (maximum power point tracking)
- Integrated low voltage circuit break protection

Power max 0.4KW

Input voltage 48V

MPPT voltage range 32-80V

Motor DBW-0.5HP

- Maintenance-free brushless DC motor
- Water injection or oil injection
- Stainless steel material: AISI 304/316
- No electronics in the motor

Rated power 0.5HP

Efficiency 92%(oil filled motor)

Motor speed 900-3600 rpm

Shell material AISI 304/316

Pump PEHR-1.25

- Check valve
- Stainless steel material: AISI304/316 Dry running protection
- Hollow helical rotor pump

Pump Device 4DW550-HR0.6-2(Motor, Pump)

Drilling diameter Min 4.0 in

Water temperature Max 50°C



**Vmp: MPP-voltage under Standard Test Conditions (STC): 1000 W/m² solar irradiance, 25 °C cell temperature

***Specify temperature range on order

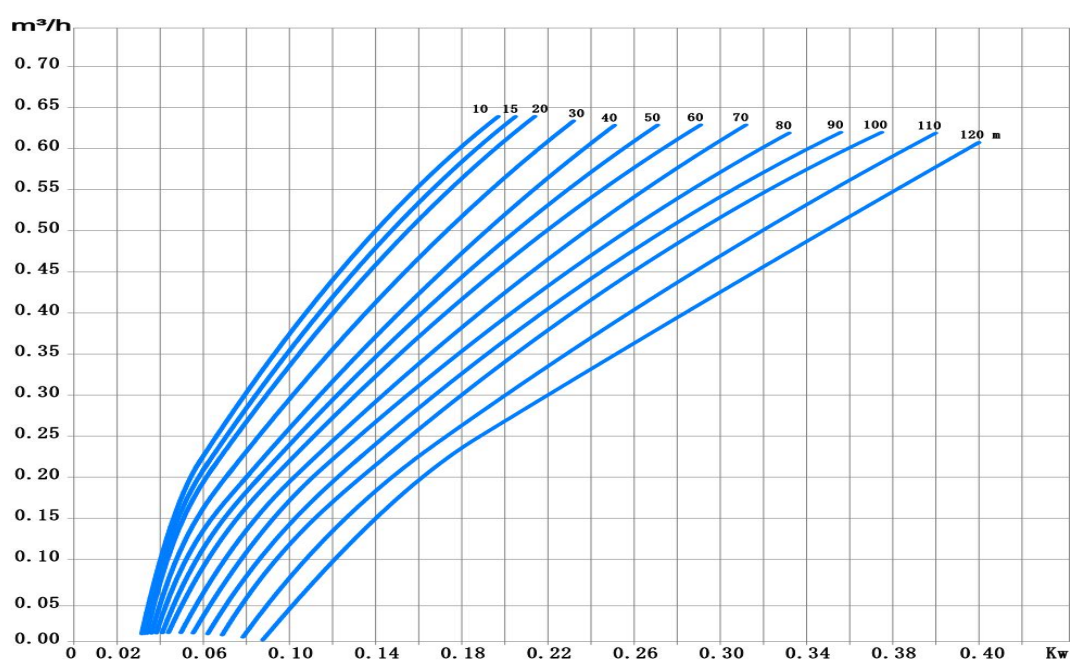
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Pump Chart

Vmp*>34V



Performance Parameters

Model	Head	10	20	30	40	50	60	70	80	90	100	110	120
HR0.6-2	Flow rate	0.65	0.64	0.64	0.64	0.64	0.64	0.64	0.63	0.63	0.63	0.62	0.61
	(m³/h)												