

HR5.5-2



Solar Helical Rotor Pump System for 4" well

System Overview

Head	max.200m work head 120m
Flow rate	max.5.7m³/h

Technical Data

Controller:CTL-90

- 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	2.6KW
Input voltage	90V
MPPT voltage range	150-350V

Motor DBW-4HP

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

Rated power	4HP
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
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Pump Device 4DW3000-HR5.5-2(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

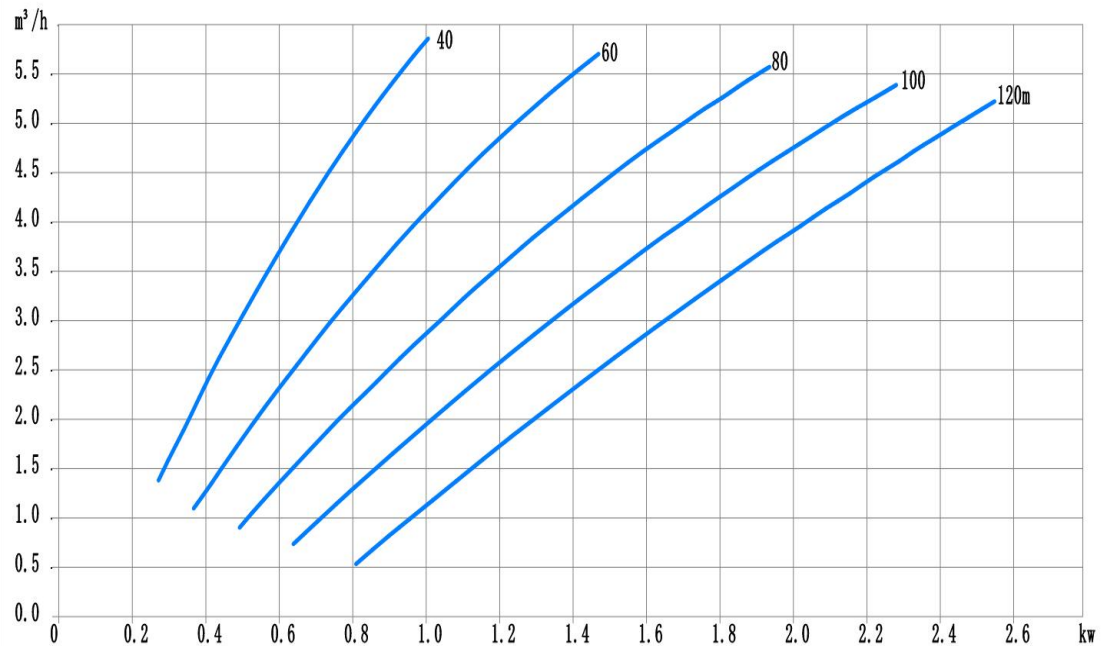
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Pump Chart

Vmp*>34V



Performance Parameters

Model	Head	40	60	80	100	120							
HR5.5-2	Flow rate	5.7	5.6	5.5	5.4	5.3							
	(m³/h)												