

HR 3-2



Solar Helical Rotor Pump System for 4"well

System Overview

Head max.200m work head 120m
Flow rate max.3m³/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 breaker protection

Power max 1.5KW
Input voltage 120V
MPPT voltage range 60-200V

Motor DBW-2HP

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

Rated power 2HP
Efficiency 92% (oil filled motor)
Motor speed 900-3600rpm
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 4DW1500-HR3-2 (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

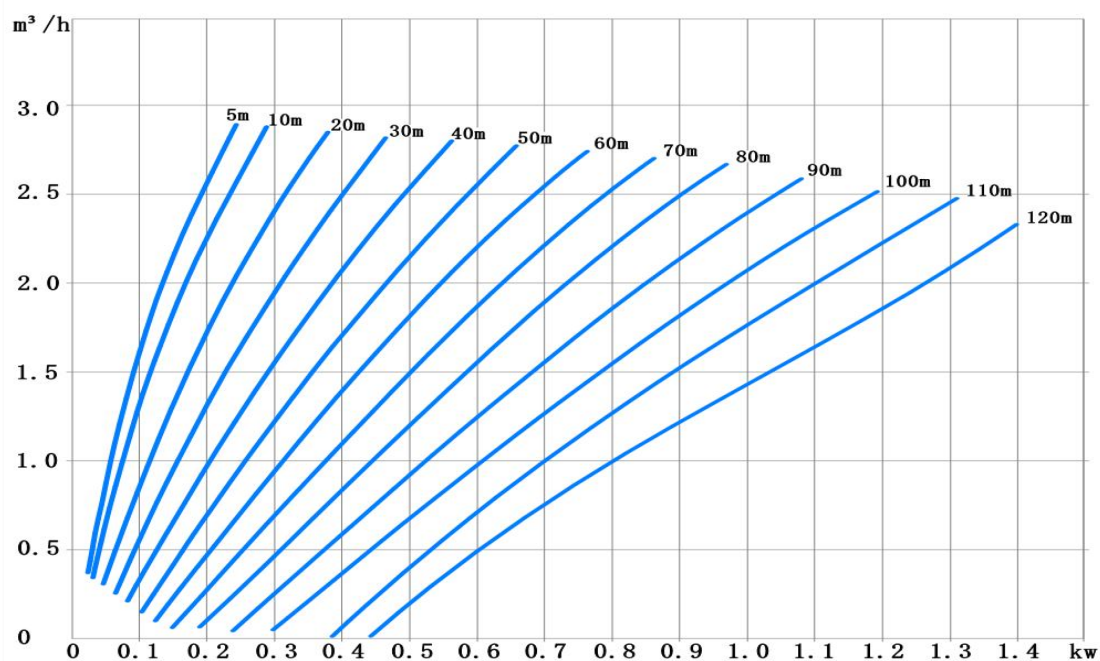
***Specify temperature range on order

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Pump Chart

Vmp*>34V



Performance Parameters

Model	Head	10	20	30	40	50	60	70	80	90	100	110	120	140
HR3-2	Flow rate (m³/h)	2.95	2.9	2.85	2.8	2.85	2.7	2.65	2.6	2.55	2.5	2.45	2.4	