

HR0.6-3



Solar Helical Rotor Pump System for 4" well

System Overview

Head max. 300m work head 210m
Flow rate max. 0.65m³/h

Technical Data

Controller: CTL-72

- 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 0.75KW
Input voltage 90V
MPPT voltage range 32-155V

Motor DBW-1HP

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

Rated power 1HP
Efficiency 92% (oil filled motor)
Motor speed 900-3600 rpm
Shell material AISI 304/316

Pump PEHR-1.25

- Check valve
- Stainless steel material: AISI 304/316 Dry running protection
- Hollow helical rotor pump



Pump Device 4DW750-HR0.6-3 (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

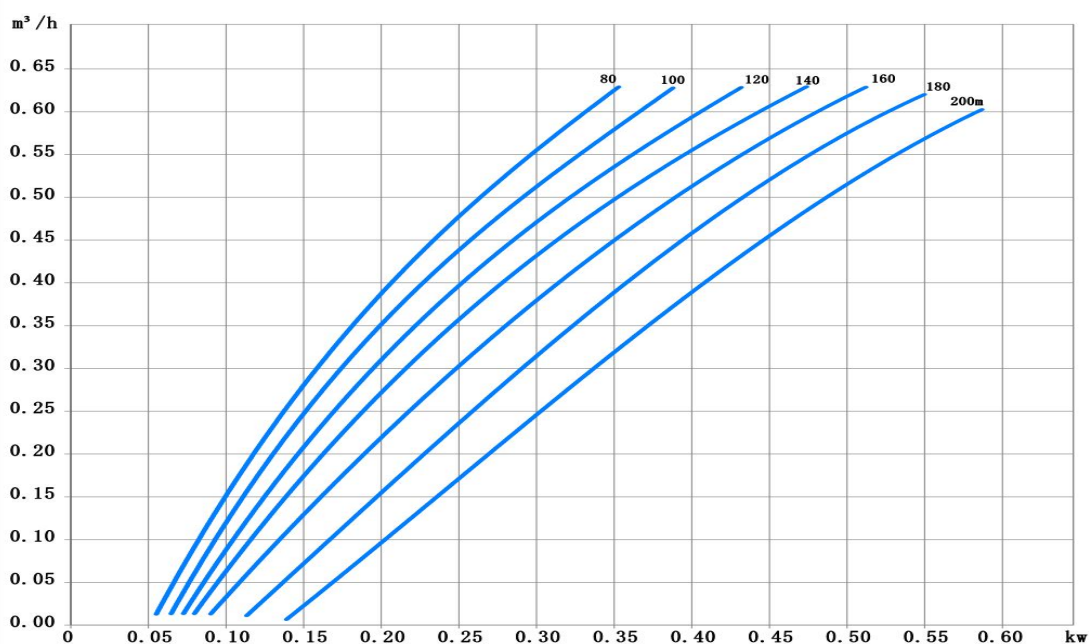
***Specify temperature range on order

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Pump Chart

Vmp*>34V



Performance Parameters

Model	Head	80	100	120	140	160	180	200					
HR0.6-3	Flow rate (m³/h)	0.65	0.64	0.64	0.64	0.63	0.62	0.61					