

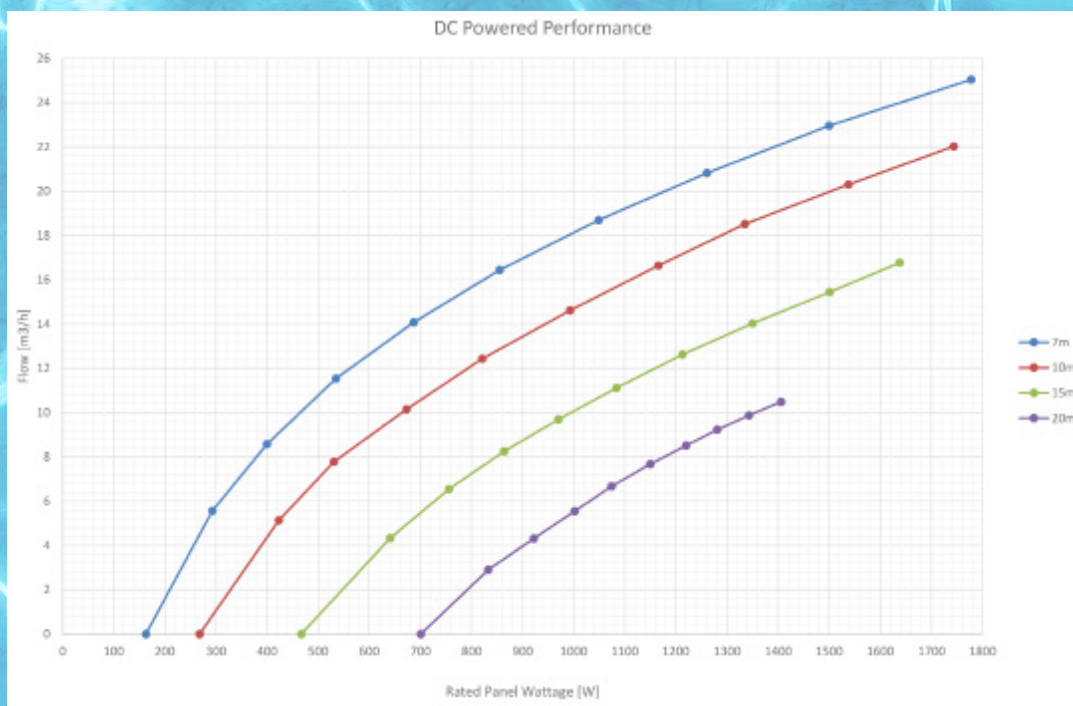


RUN YOUR POOL WITH THE POWER OF THE SUN

Introducing the PoolFlex:

- The Poolflex suitable for home, municipal or swim school usage
- It can be powered via solar, grid or generator
- It is powered by IE5 high efficiency GRUNDFOS MGFLEX motor
- The MGFLEX 2-pole motor with integrated frequency converter is DC & AC compatible

When operating on a DC supply (solar power), maximum power point tracking (MPPT) will continuously optimise the motor speed according to the input power available and ensures optimum efficiency across the system



Electrical data

Power supply to pump	30-300 VDC, PE. 1 x 90 - 240 V, - 10 %/+ 6 %, 50/60 Hz, PE.
Energy source	Solar module. Generator. Grid.
Start/stop control	Digital input for start/stop of motor.
Power switch on/off or DC to/from AC	Max. four times per hour.
Enclosure class	IP55.
Motor protection	Built-in motor protection: • overvoltage and undervoltage • overload • overtemperature.
Power factor	0.97.
Earth-leakage circuit breaker	If the pump/motor is connected to an earth-leakage circuit breaker (ELCB) for additional protection, this circuit breaker must trip when AC fault currents, pulsating DC or smooth DC fault currents occur.
Ambient temperature	During operation: -20 °C to +50 °C. During storage/transport: -25 °C to +70 °C.
Relative humidity	Maximum 95 %.
Leaking current	< 3.5 mA for AC. < 10 mA for DC.
Installation outdoor	The motor/pump must be protected from rain and direct sunlight.
Marking	CE.
Insulation class	F (IEC 85).
EMC compatibility	EN 61800-3.



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