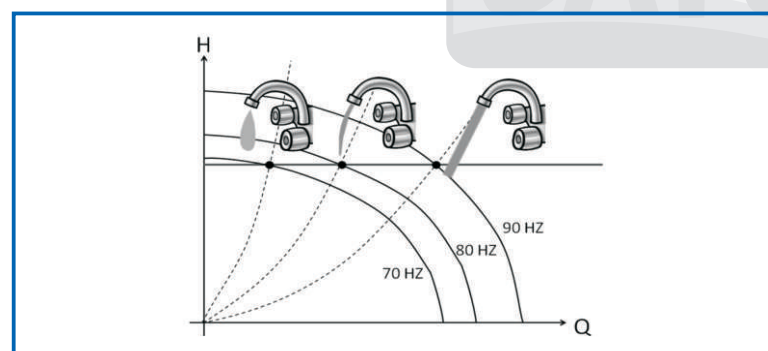


DAYLIFF Nastec 4HS submersible borehole pumps are technology leading products suitable for a wide range of water supply, water boosting and irrigation applications that feature built-in inverter control. The built-in inverters provide for the following functions:-

- Variable speed operation enabling constant pressure output that can be set according to site requirements. This provides consistent pressure at all delivery outlets and minimised energy consumption.
- Soft start and stop control reducing electrical and mechanical stress.
- Built-in protection from abnormal operating conditions including mechanical overload, power surges, under/over supply voltage and dry running.



The pump comprises three components; the pump end made of AISI 304 stainless steel components specially designed for high speed operation, the motor featuring an encapsulated resin filled stator designed for high thermal conductivity and the inverter module featuring a resin encapsulated solid state electronic circuit board, this compact unit giving exceptional performance and high reliability.



The control module receives the pressure signal from the pressure transducers and varies pump speed to maintain a constant set pressure regardless of water demand. In addition to the constant pressure control, other control modes are available as follows:-

1. Fixed Frequency
2. Constant Flow
3. Constant Temperature

Pumps are supplied as complete kits ready for installation including the pump unit, programmable surface control module, cable joint and pressure transducer. No other installation components are required other than a mains isolator which results in reduced installation cost.

## Operating Conditions

**Max. working pressure:** 15 bar

**Insulation class:** B

**Max. Temperature:** 35°C

**Max. speed:** 6350 rpm

**Enclosure class:** IP55

## Pump Data

Model	Voltage (V)	kW	HP	Current (A)	Length (mm)	Pump Outlet (")	Max. Pump Diameter (mm)	Weight (kgs)
4HS 02/04	1x240	1.1	1.5	7.1	936	1.25	101	19.5
4HS 04/05	1x240	2.0	2.7	12	894	1.25	101	21.5
4HS 06/04	1x240	2.2	3.0	14	981	1.5	101	21.4

