**Single Point Instant Water Heater**                    **Data Sheet**

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**PRODUCT SPECIFICATIONS**          :

**Model No**                        : HY-ST450DP-W (4.5kW 220V)

**Type**                            : Single Point Open Outlet Electric Instant Water Heater with built in Pump – Hand Shower model

**Colour**                          : White

**Rated voltage**                   : 220V a.c.

**Pump Wattage**                    : 50W

**Rated frequency**                 : 50Hz

**Rated wattage**                   : 4.5kW 220V

**Flow rate (Min-Max)**             : 1.8 – 6 l/min

**Water pressure (Min- Max)**       : 0.2-0.38 Mpa

**Standard**                        : IEC 60335-2-35

**EMC Compliant**                   : Yes

**ELCB/ RCD**                        : SINGLE POLE (1P) 15mA sensitivity

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|---|---|
| **Safety Class** | : Class 1 appliances /IP25 |
| **Anti-Scalding** | : Available |
| **Splash Proof** | : Available |
| **Thermal Cut-off** | : Available (85 deg C – Manual Resettable) |
| **Safety Thermostat** | : Available (55 deg C – Auto Resettable) |
| **Heating Element** | : Copper Sheathed Heating Element |
| **Flow Switch** | : Available |
| **Warranty Period** | : 05 years for the heating element |
| | 01 year for the internal parts |
| **Power Selection Mode** | : Step-less Electronic Power Control |
| **Pressure pump** | : DC Brushless Silent pump 50W |
| **Water Filter Mesh** | : Available at inlet |
| **Product Dimension** | : 274 x 250 x 87 mm (102mm with knob) |
| **Safety Features** | : Lightning & Surge Protection |
| | IP25 Splash Proof Protection |
| | Dual Over Temperature Safety Cut Off |
| | Auto Flow Sensor Switch |
| | Anti-Leak Heater Tank |
| | Electronic Pump Speed Control |

**Certifications** :

| Certification | Description |
|---|---|
| ISO 9001:2015 | An international standard for quality management systems, ensuring consistent provision of products/services that meet customer requirements. |
| ROHS | Restriction of Hazardous Substances - limiting the use of hazardous substances in electronic equipment to protect human health and the environment. |
| TUV | Technischer Überwachungsverein - German organization providing testing, inspection, and certification services to verify compliance with safety, quality, and environmental requirements. |
| IEC | **International Electrotechnical Commission** - developing standards for electrical and electronic technologies to ensure safety, performance, and compatibility. |