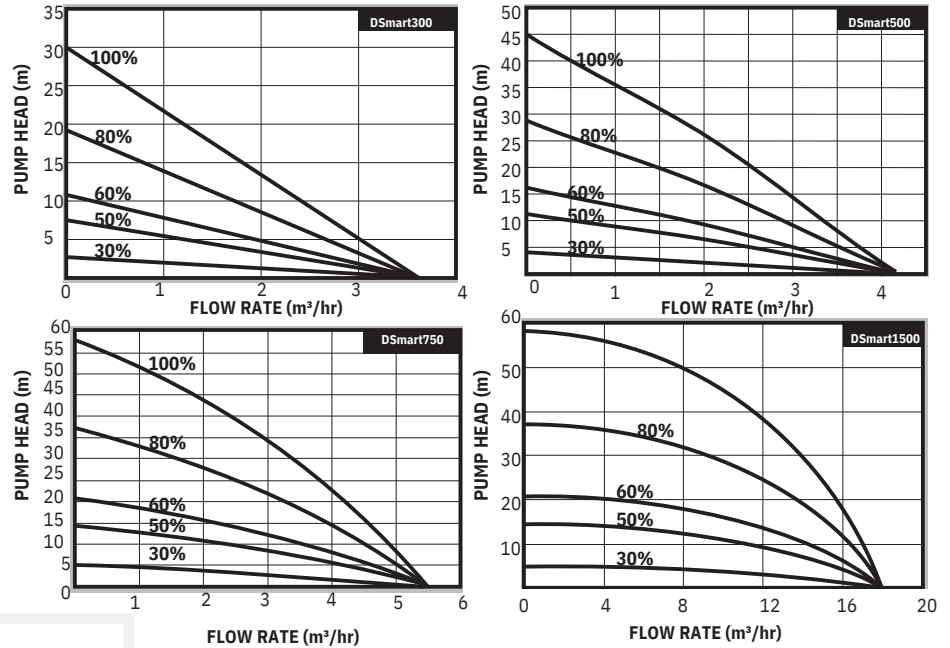


## DSMART Smart Water Boosting System



### Performance Curves



### Typical Applications

DAYLIFF DSMart Pumps are innovative centrifugal self-priming variable speed automatic water boosting systems for pressurised water supply, variable speed technology providing constant pressure at varying water demand levels. Pump construction is engineering plastic throughout except DSMart750 which has stainless steel pump body with external casings made from UV proof components suitable for indoor and outdoor installations. Particular features include:-

- Innovative inverter controlled variable speed technology that minimises energy consumption.
- Quiet operation with max noise levels of 50dB.
- Fully automatic operation with adjustable constant pressure settings that matches flow with demand.
- Easy to use LED control panel with display for operating mode, operating pressure and various fault indicators.
- Convenience features including standard inlet and outlet connectors and inbuilt non-return valve.
- High/Low temperature protection and leakage warning.
- Integrated pressure tank for dry running and anti-cycling protection.
- Parallel connection for 2 pump operation available for DSMart1500

DSmart are exceptionally advanced pumps that use state of the art inverter technology to provide the perfect solution for a complete water supply system in domestic, residential and small commercial water supply applications.

#### MOTORS

Pumps are fitted with high efficiency IE5 Permanent Magnet variable frequency motor that incorporates thermal protection against motor overload and dry run protection with auto-restart. The motor can be directly connected to the mains power supply through appropriately sized 13A fuse or MCB.

**Enclosure Class:** IPX5      **Insulation Class:** F      **Max Speed:** 5200rpm      **Power Input:** 165 - 260V/1ph/50,60Hz

#### OPERATING CONDITIONS

**Pumped Liquid:** Thin, clean, chemically non-aggressive liquids without fibres  
**Max. Ambient temperature:** +40°C  
**Water Temperature:** +40C - +75°C

### Technical Data

Model	Motor kW	Current (A)	Max Inlet/Outlet Pressure (Bar)	Inlet/Outlet	Weight (kg)	Dimensions (mm)		
						L	W	H
DSmart300	0.3	3	3	1	6	285	183	253
DSmart500	0.5	4	4.5	1	7	330	205	280
DSmart750	0.75	5.2	5.5	1	9	390	195	290
DSmart1500	1.5	13.1	7	2	24	511	215	382

