



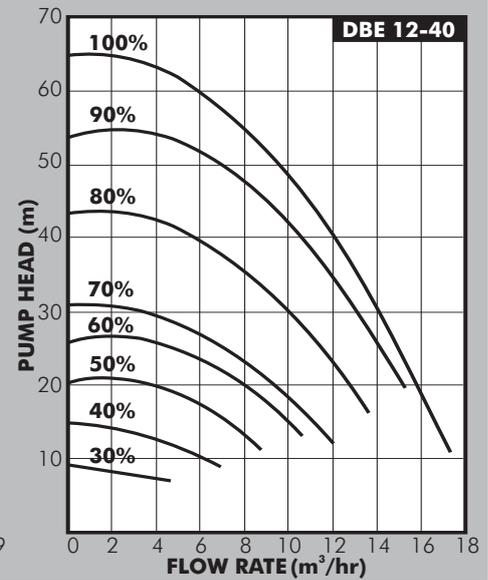
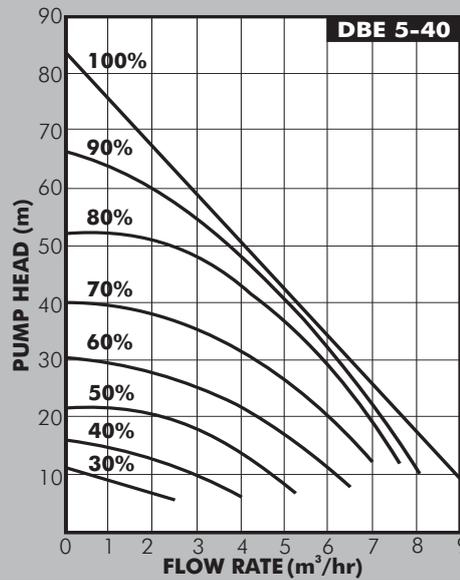
DBE

Horizontal Multistage Variable Speed Pump



DBE 5-40

DBE 12-40



PUMP

The Dayliff DBE Booster is a compact water boosting unit for water supply in domestic and commercial applications for single and two booster pump systems. The pump is fitted with an integral variable speed controller that maintains pump output at constant pressure (adjustable up to 5bar) with varying demand. The pump is compact for simple installation, quiet with low operating noise level and of robust design for long life. The speed controller maintains pump performance at maximum efficiency thereby minimizing operating costs.

Particular features include:

- Booster output is adapted to demand by changing speed and number of pumps in operation.
- Automatic pump alternation in multi-pump setup to ensure uniform operating periods.

All hydraulic parts are made from AISI304 stainless steel, and the pump unit is supplied with a 5-way connector, non-return valve and integrated pressure sensor. For optimal operation, appropriately sized pressure tanks are required with 3L being the minimum recommended size.

MOTOR

The pump is fitted with high efficiency IE4 Permanent Magnet variable speed 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 FUSE or MCB.

Enclosure Class: IP44 **Insulation Class:** F **Voltage:** 1x240V **Speed:** 4200rpm(DBE5-40), 4400rpm(DBE12-40)

OPERATING CONDITIONS

Pumped Liquids: Thin, clean non-aggressive and non-explosive liquids without solid particles or fibres

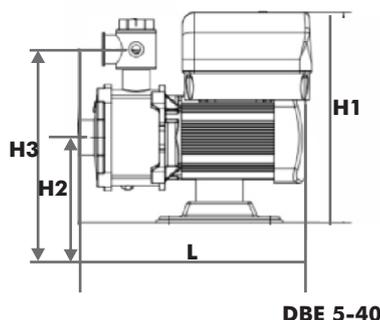
Liquid Temperature: 0 - 70°C

Max. Ambient Temperature: +40°C

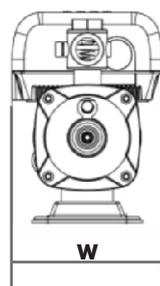
Max. Suction Lift: 1m

PUMP DATA

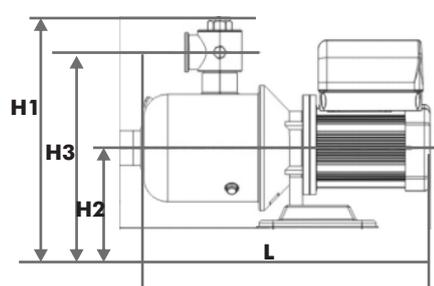
Model	Motor		Current (A)	A1 (")	A2 (")	Dimensions (mm)					Weight (kg)
	kW	HP				W	L	H1	H2	H3	
DBE 5-40	1.1	2	8.9	1¼	1	199	303	277	112	228	10
DBE 12-40	2.2	3	16	2	2	234	595	350	141	329	28



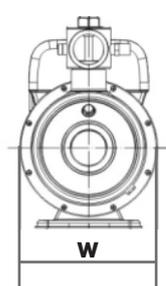
DBE 5-40



W



DBE 12-40



W