

The DAYLIFF DB range of horizontal multistage centrifugal pumps are designed for continuous duty in various water transfer applications.

## Features

- Compact dimensions with axial suction port, radial discharge port.
- Quality materials for construction including cast iron suction chamber and pump head and stainless steel impeller and impeller housing.
- Quiet and smooth operation
- TEFC motor rated for continuous duty. Single phase pumps include built in thermal overload protection and are directly connected to mains power through a suitably rated fuse or MCB. Three phase pumps require remote DOL starter.
- Enclosure Class: IP54
- Insulation Class: F

## Operating Conditions

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

**Liquid Temperature Range:** 0°C to +90°C.

**Max. Ambient Temperature:** +50°C

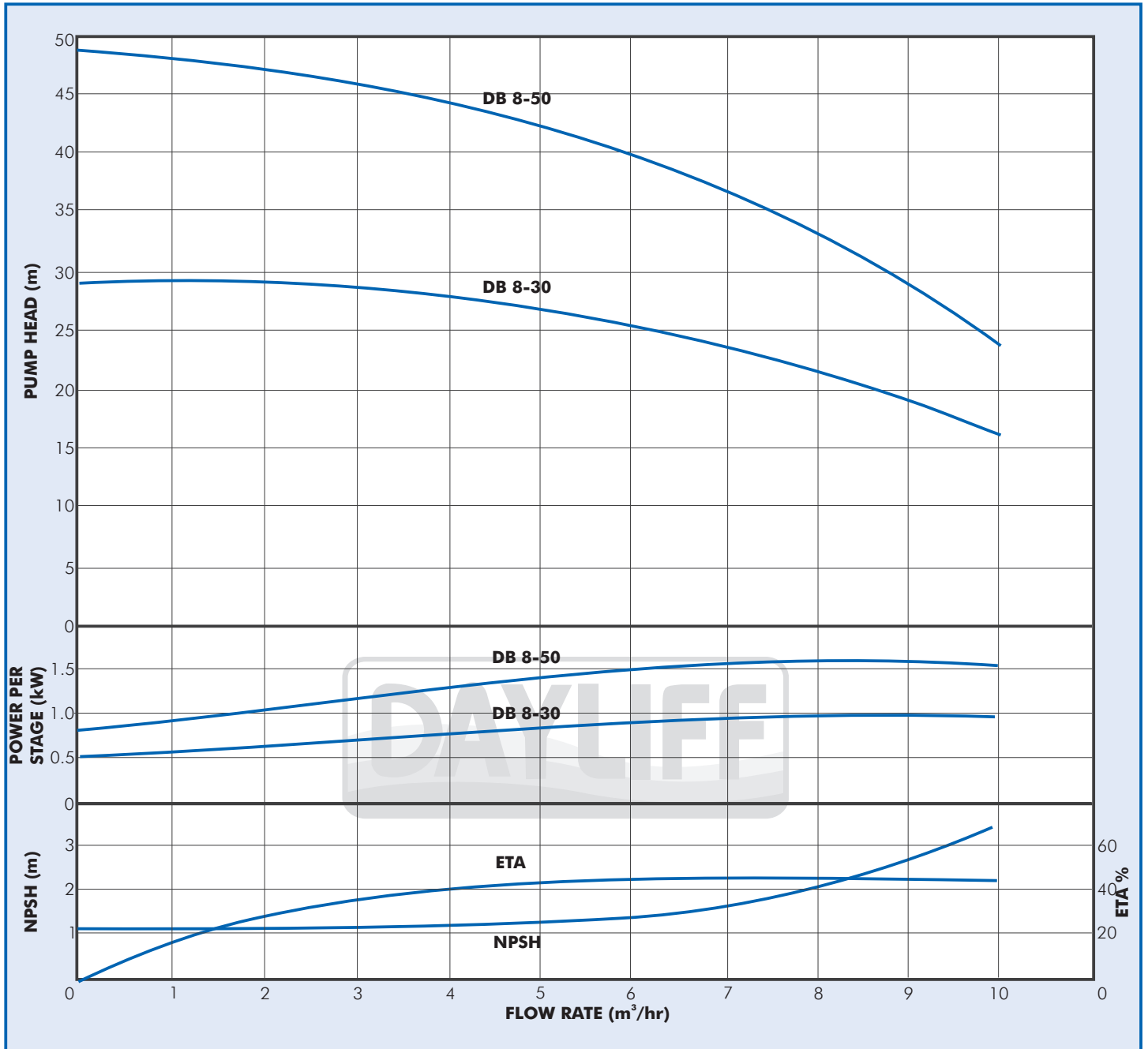
**Max. Suction Lift:** According to the NPSH curve plus a safety margin of 0.5m

**Max. Input Pressure:** 6 Bar

**Max. Operating Pressure:** 10 Bar up to 40°C, 6 Bar up to 90°C

## Material Specification

Pos	Description	Standard DB
1	Suction Chamber	Cast Iron
2	Pump Head	Cast Iron
3	Intermediate Chamber	SS304
4	Impeller	SS304
5	Spacing Pipe	SS304
6	Shaft	SS431
7	Mechanical Seal	Silicon Carbide/Carbon
8	O-ring	EPDM or Viton
9	Drain and Priming Plug	Steel
10	Base Plate	Steel



### Pump Data

Model	Voltage (V)	Input Power (W)	Running Current (A)	Speed (rpm)	Dimensions (mm)							Weight (kgs)	
					L1	L2	L3	L4	B1	B2	B3		H
DB 8-30	1x240	1130	5.2	2850	397	120	109	107	177	109		240	17.6
DB 8-50	3x415	1730	3.4	2850	465	150	139	137	186	124	166	240	28.8

**Max Operating Pressure:** 10Bar up to 55°C, 6Bar up to 90°C

**Max Inlet Pressure:** 10Bar

