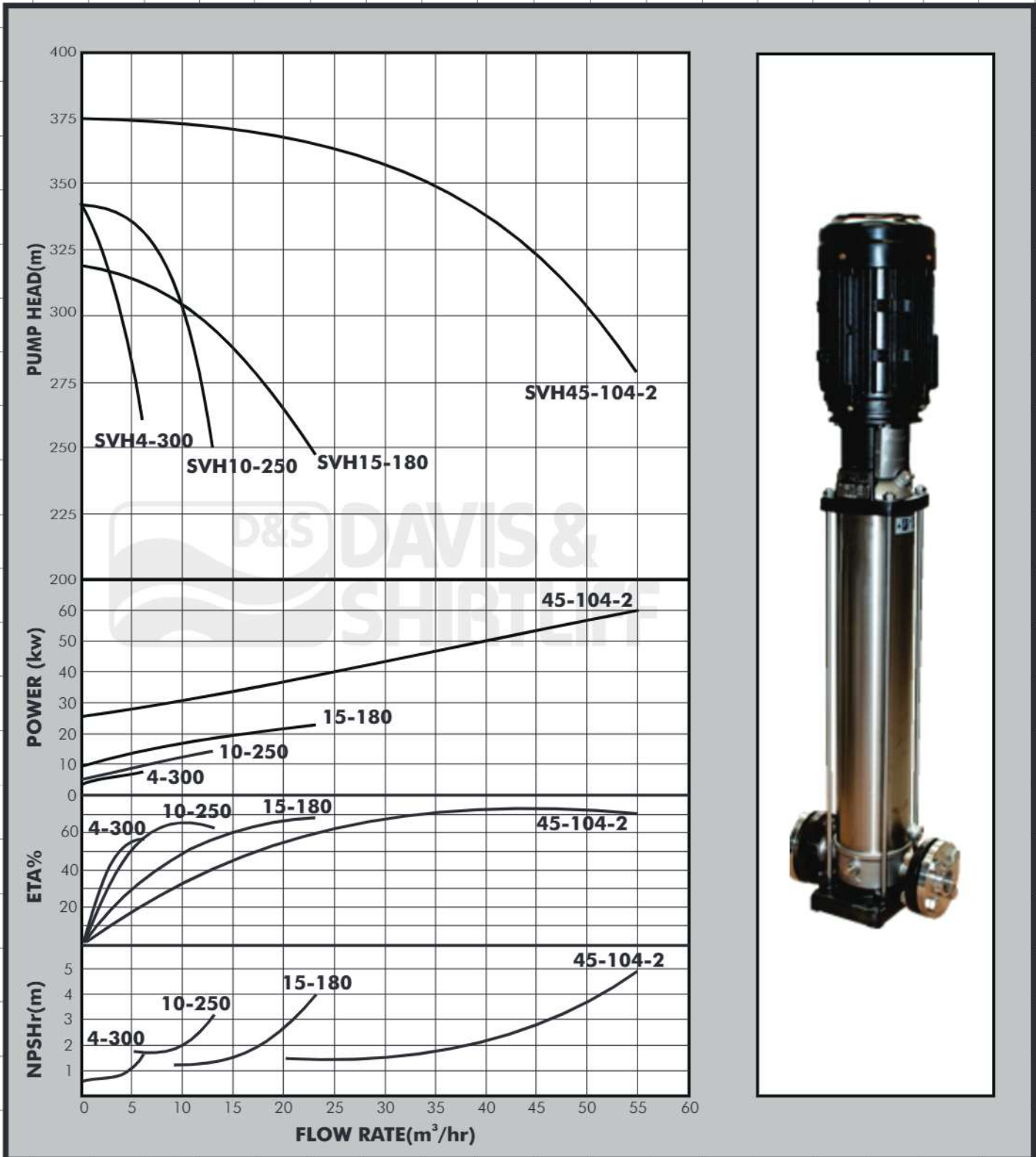




# DATA SHEET

## Vertical Multistage Borehole Pumps

# SVH



## PUMP

The DAYLIFF SVH pump range are of non-self-priming, high efficiency in-line centrifugal design with a special application for pumping highly mineralised water especially in RO plant application. The pumps are of heavy-duty construction and designed for continuous duty in high pressure installations. Material of construction is Duplex 904L stainless steel for vital components in contact with water including impellers, diffusers, intermediate chambers, shaft, top and bottom housings with high resistance to corrosion. Pumps are water lubricated and are provided with a standard cartridge type mechanical seal and BSP internally threaded counter flanges.

## MOTOR

The pumps are coupled to high efficiency IE3 totally enclosed fan cooled 2-pole motor complying with IEC standards and must be connected to an effective motor starter in accordance with local regulations.

**Enclosure Class:** IP55

**Insulation Class:** F

**Voltage:** 3x415V

**Speed:** 2900rpm

## OPERATING CONDITIONS

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

**Liquid Temperature Range:** -15°C to +70°C

**Maximum Ambient Temperature:** +40°C

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

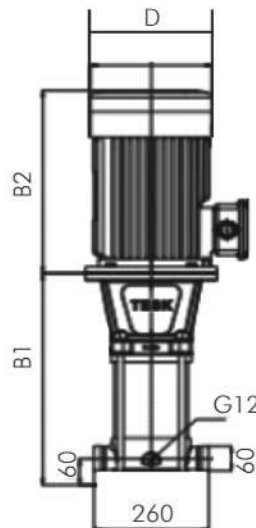
**Maximum Operating Pressure:** Up to 7.5kW - 21 bar, other - 30bar

**Maximum Inlet Pressure:** 3 bar

**Water Quality at 20°C Temperature:** TDS-35,000ppm, Chlorides - 20,000ppm

## PUMP DATA

Model	Motor		Full Load Current (A)	I Start / I	Dimensions(mm)					Weight (Kgs)
	kW	HP			DN	B1	B2	B1+B2	D	
SVH4-300	7.5	10	16	1.8	32	1086	465	1551	260	113
SVH10-250	15	20	25	2.2	40	1174	610	1784	350	184
SVH15-180	22	30	43	1.9	50	1240	670	1910	360	233
SVH45-140-2	55	75	110	1.8	80	1686	670	2056	550	532



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