

SHAKTI **VERTICAL TURBINE** **(SVT) PUMP 60Hz**



Shakti Vertical Turbine (SVT) Pumps

Introduction

Shakti Vertical Turbine (SVT) Pumps are robust, high efficiency, multi stage centrifugal pump, and design to lift water from deep wells, open sumps, or reservoirs. The design ensures smooth, vibration-free operation. Their working principle involves an impeller submerged in water that lifts fluid through a vertical column to the discharge head above ground. The motor remains easily accessible on the surface, ensuring convenient maintenance and inspection. These pumps are highly efficient, durable, and capable of handling large volumes under high heads.

SVT Pump consists of three main assemblies:

1. **Bowl Assembly:** Houses the impellers and diffuser bowls that create the pumping action.
2. **Column Assembly:** Transmits the water to the surface and encloses the pump shaft supported by line shaft bearings.
3. **Discharge Head Assembly:** Contains the driver and delivers the water to the discharge line.

Features

- High efficiency and consistent performance at varying heads and capacities,
- Suitable for deep well or open sump installations,
- Modular design for easy maintenance and adaptability,
- Available in cast iron materials,
- Can be driven by vertical electric motor,
- Capable of handling large flow rates and high discharge pressures,
- Long service life with corrosion- and abrasion-resistant components.

Applications

- Municipal and rural water supply
- Irrigation and agricultural lift schemes
- Industrial water circulation and cooling systems
- Fire-fighting and water treatment plants
- Power plants projects
- Flood control and drainage systems

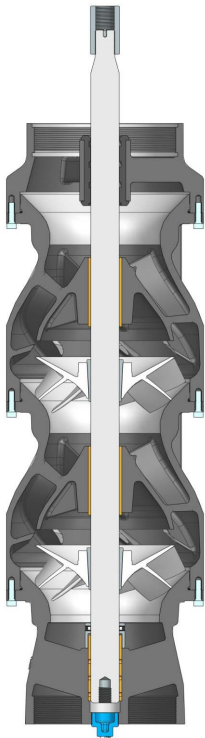
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Material of construction

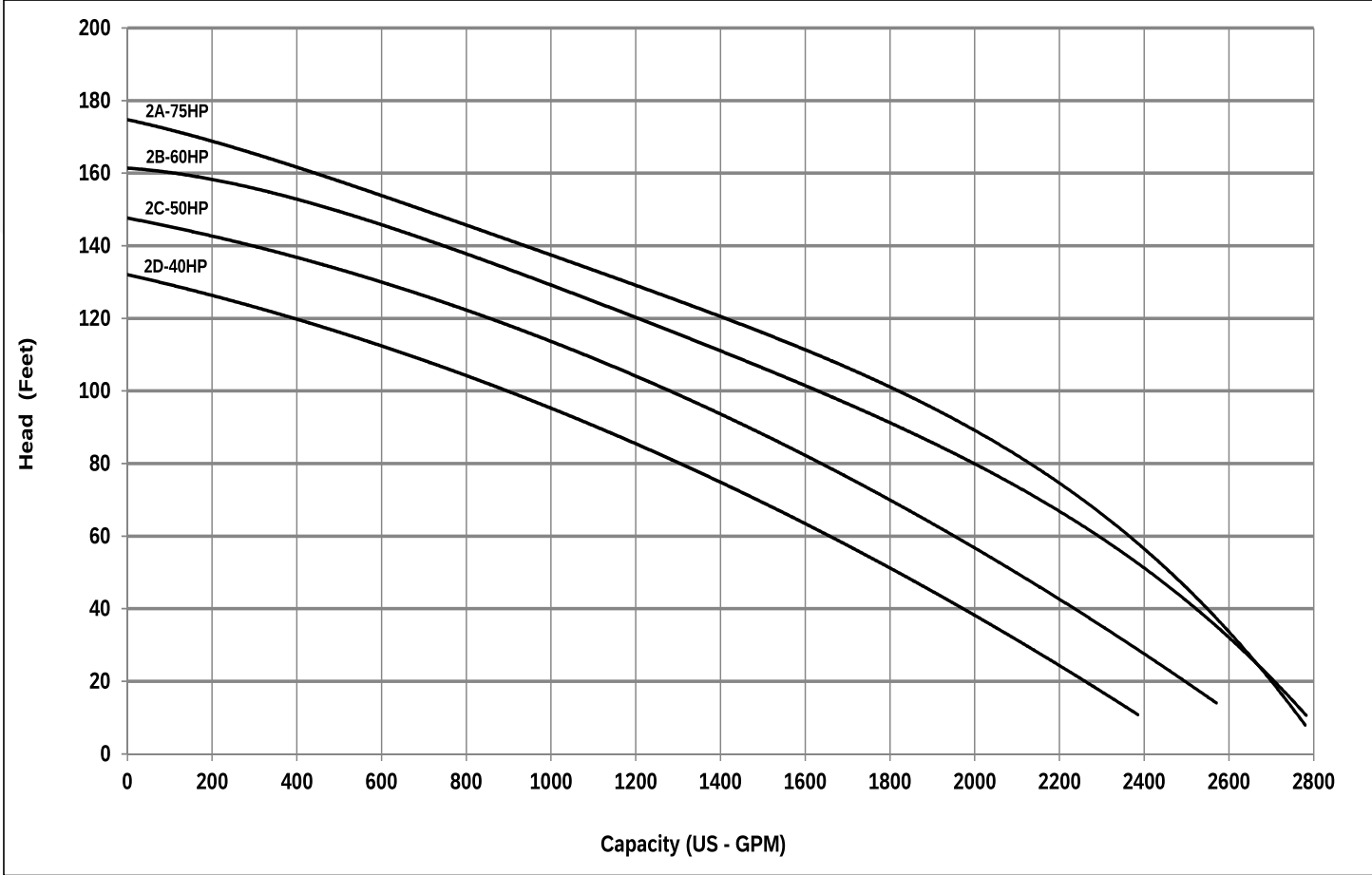
Description	Material grade
Impeller	SS-316
Bowl	CI FG-260
Bowl bush	BRASS
Line shaft coupling	SS-420
Pump shaft	SS-420

Performance Details :

Model : PUMP 12" SVT 1800_8"NPT
Power Rating : 40 - 75 HP
RPM : 1800
Frequency : 60Hz
Pump Type : Open Lineshaft VT Pumps



Pump Code	Impeller Type	Stage	Rating (HP)
9000032782	A	2	75
9000035288	B	2	60
9000035289	C	2	50
9000035473	D	2	40





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