Barmesa® Pumps

SUBMERSIBLE STAINLESS VORTEX SEWAGE PUMP

Modelo: **3BSV-DS**
5 - 7.5 HP @ 3450 RPM
Solids handling: 1.75" (45 mm)

Stainless steel 316 construction.

DISCHARGE
3" (7.62 cm) NPT flange. Includes flanged elbow at discharge.

LIQUID TEMPERATURE
104 °F (40 °C)

PUMP CASING
316 series stainless steel

MOTOR COVER
316 series stainless steel

SEAL PLATE
316 series stainless steel

IMPELLER
Design: 8 vane, semi-open *Vortex*.
Material: 316 series stainless steel

SHAFT
316 series stainless steel

LIFTING BAIL
316 series stainless steel

MAX. SUBMERGENCE
32.8 ft (10 meters)

HARDWARE
316 series stainless steel

GASKETS
Viton®

SEAL
Design: double, mechanical, oil filled chamber.
Material: carbon-ceramic upper seal, silicon carbide lower seal, Viton® elastomers, stainless steel spring.

MOTOR
For continuous dry running, operates at 230/460 V, 1 & 3-phase, 3450 RPM, 60 Hz. Class B, IP68 protection, with capacitor integrated in motor.

BEARINGS
Ball type, lubricated and sealed for 60,000 hours operation. Designed for radial and axial loads.

CORD ENTRY
Includes 33 feet of special neoprene cable. The cable is sealed preventing from moisture to leak into the motor housing.

OPTIONAL EQUIPMENT
316 stainless steel slide rail coupling

TECHNICAL DATA SHEET

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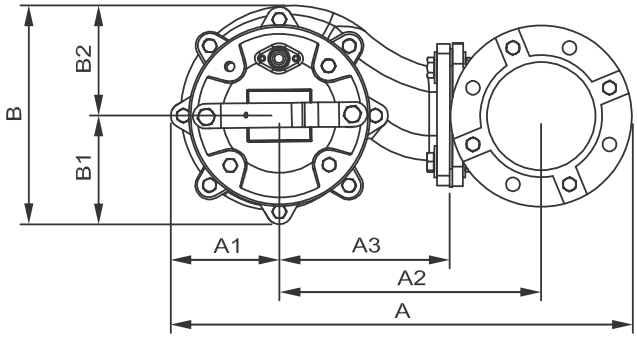
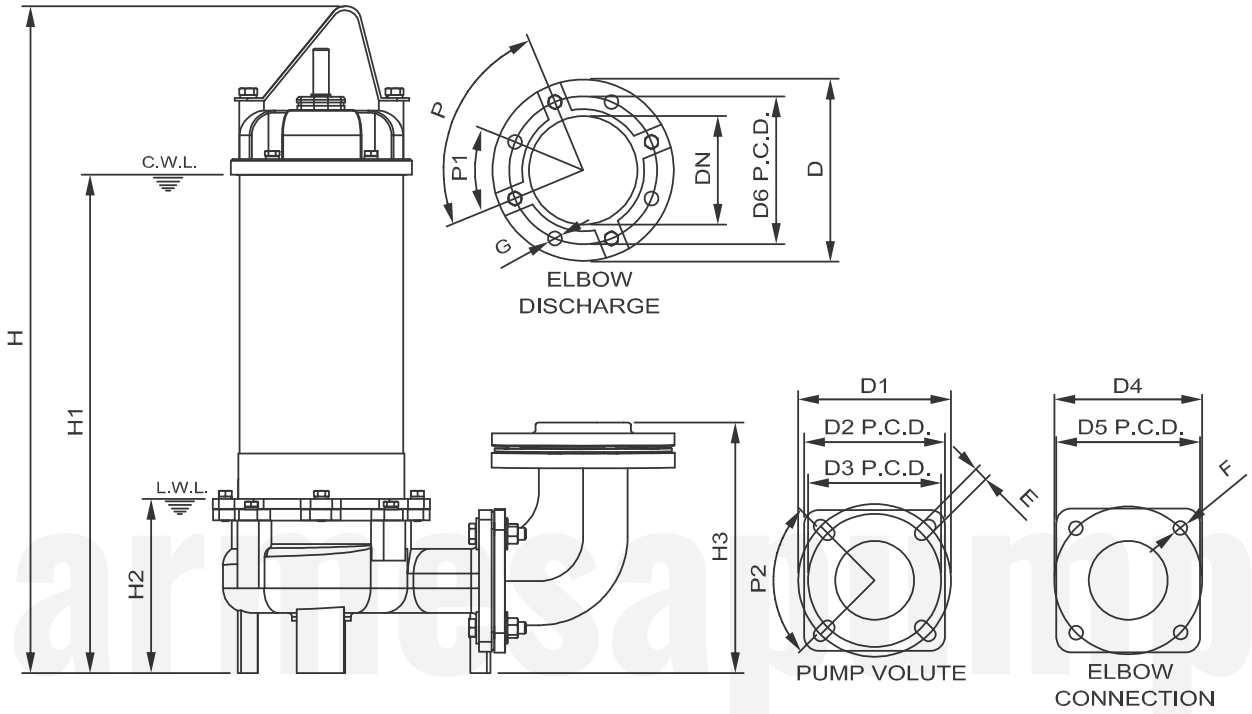
SPECIFICATIONS





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MODEL	HP	V	PH	MAX. AMPS	DISCHARGE DIAM.	DISCHARGE MAX. (m)	MAX. FLOW (GPM)	CORD (ft)	SPH SLD HNDLG
3BSV503DS	5	230	3	15	3"	27	275	33	1.75"
3BSV504DS	5	460	3	8	3"	27	275	33	1.75"
3BSV753DS	7.5	230	3	21	3"	32	290.5	33	1.75"
3BSV754DS	7.5	460	3	10.5	3"	32	290.5	33	1.75"

- Three-phase pump, VFD compatible. Reliable operation within 30 ~ 60 Hz.

MODEL	A	A1	A2	A3	B	B1	B2	D	D1	D2	D3	D4	D5
3BSV-503DS	18.4	3.9	10.8	7	8.3	3.7	4.5	7.2	5.6	6.1	5.3	5.5	5.9
3BSV-504DS													
3BSV-753DS	18.4	3.9	10.8	7	8.3	3.7	4.5	7.2	5.6	6.1	5.3	5.5	5.9
3BSV-754DS													

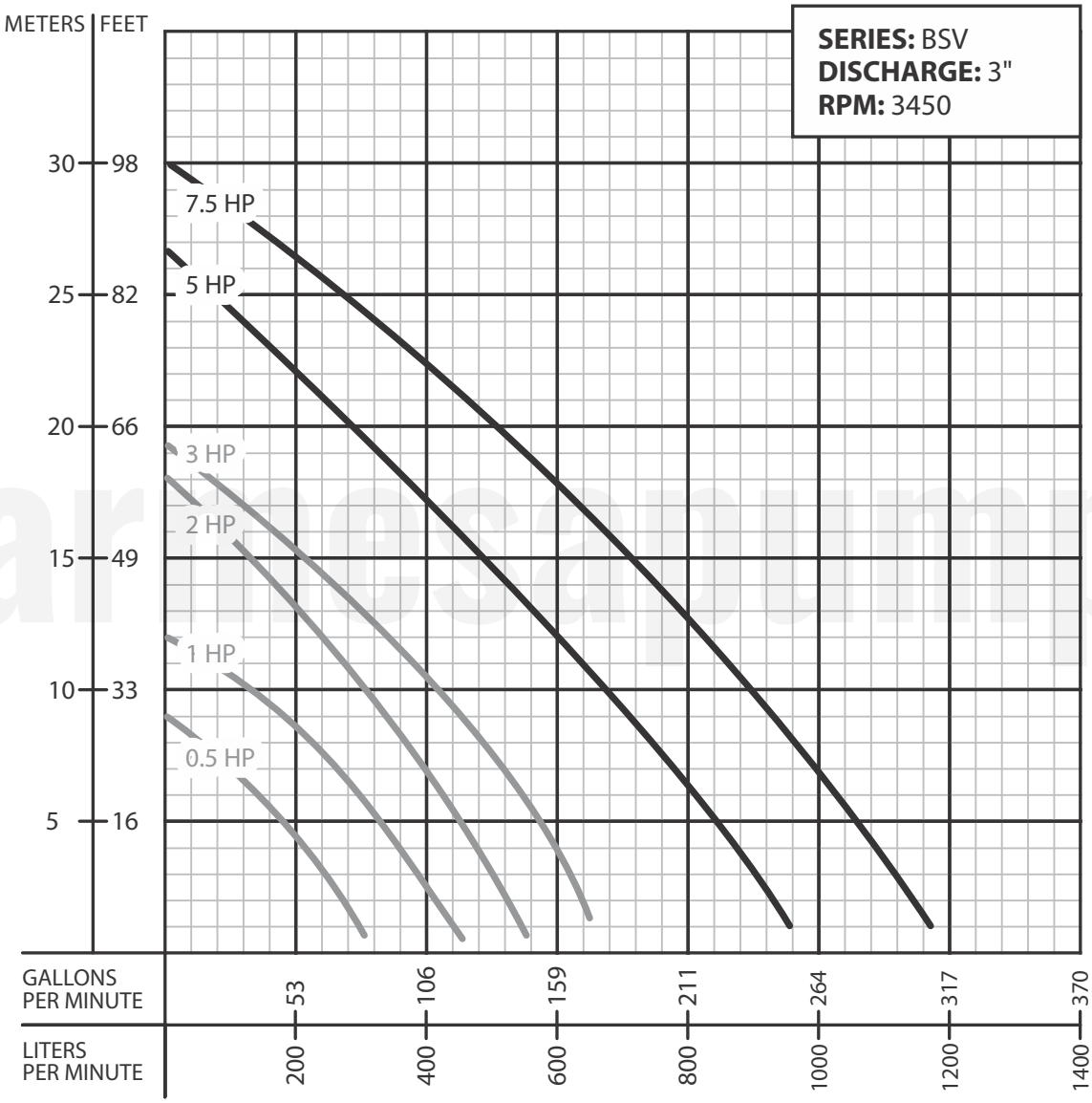
MODEL	D6	DN	E	F	G	P	P1	P2	H	H1	H2	H3	WT
3BSV-503DS	5.9	3	0.6	0.6	0.6	90°	45°	90°	24.9	18.4	6.3	8.9	105.6
3BSV-504DS													
3BSV-753DS	5.9	3	0.6	0.6	0.6	90°	45°	90°	26.5	20	6.3	8.9	118.4
3BSV-754DS													

- Dimensions in inches.

* WT = Weight in pounds, without cable.

IMPORTANT!

1. Do not use the pump to handle explosive or corrosive liquids.
2. This pump is not approved for use in swimming pools, recreational facilities, or any application where human contact with the pump is common.
3. Do not operate the pump dry for extended periods; this may damage the motor or the seal.



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IMPORTANT!

1. Testing is performed with water specific gravity of 1.0 @ 68 °F (20 °C); other fluids may vary performance.