Barmesa® Pumps

SUBMERSIBLE SOLIDS HANDLING PUMP

Series: 3BSE-SS
3 HP / 1750 RPM
Discharge: 3"
Spherical solids handling: 2¼"

DISCHARGE
3" NPT female, vertical, bolt on flange.

LIQUID TEMPERATURE
104 °F (40 °C) continuous

VOLUTE
Cast iron ASTM A-48 class 30

MOTOR HOUSING
Cast iron ASTM A-48 class 30

SEAL PLATE
Cast iron ASTM A-48 class 30

IMPELLER
Design: 2 vane, open, with vanes on back side.
Material: cast iron ASTM A-48 class 30

SHAFT
416 series stainless steel

HARDWARE
300 series stainless steel

SQUARE RINGS
Buna-N

PAINT
Air dry enamel, water based.

SEAL
Design: inboard, single mechanical, oil filled chamber.
Material: silicon carbide, Buna-N elastomer and stainless steel hardware.

CORD ENTRY
25 ft of neoprene cord SJO 10/3, sealed against moisture.

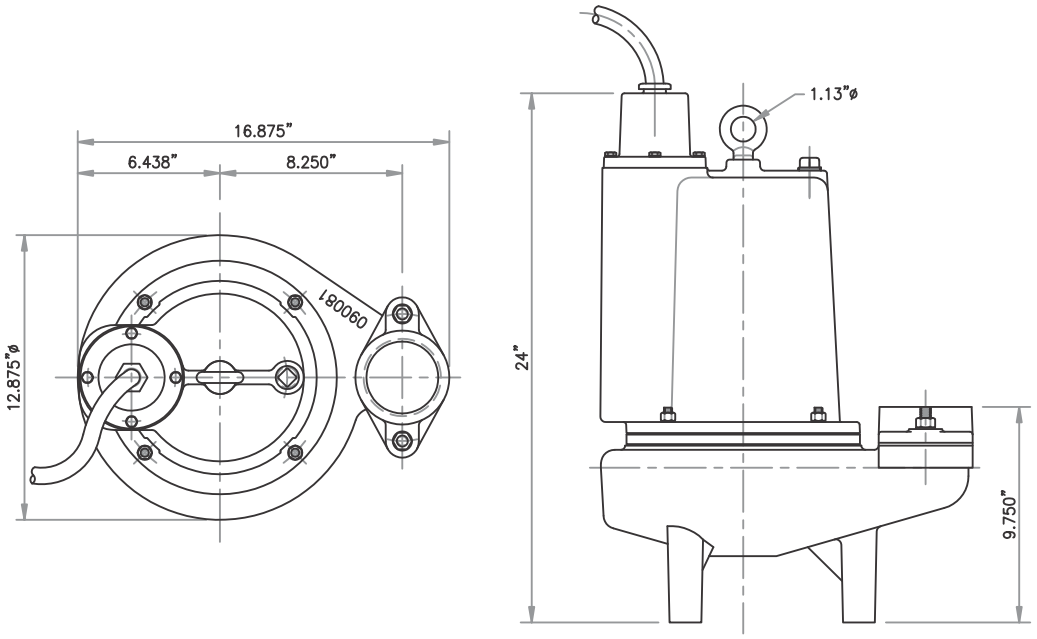
BEARINGS
Upper: ball, single row, oil lubricated, for radial load.
Lower: ball, single row, oil lubricated, for radial and thrust load.

MOTOR
Single phase: permanent split capacitor, 230 volts, 60 Hz, 1750 RPM, oil filled, with overload protection in motor.
Three phase: 230 & 460 volts, 60 Hz, 1750 RPM, oil filled. Requires overload protection to be included in control panel.

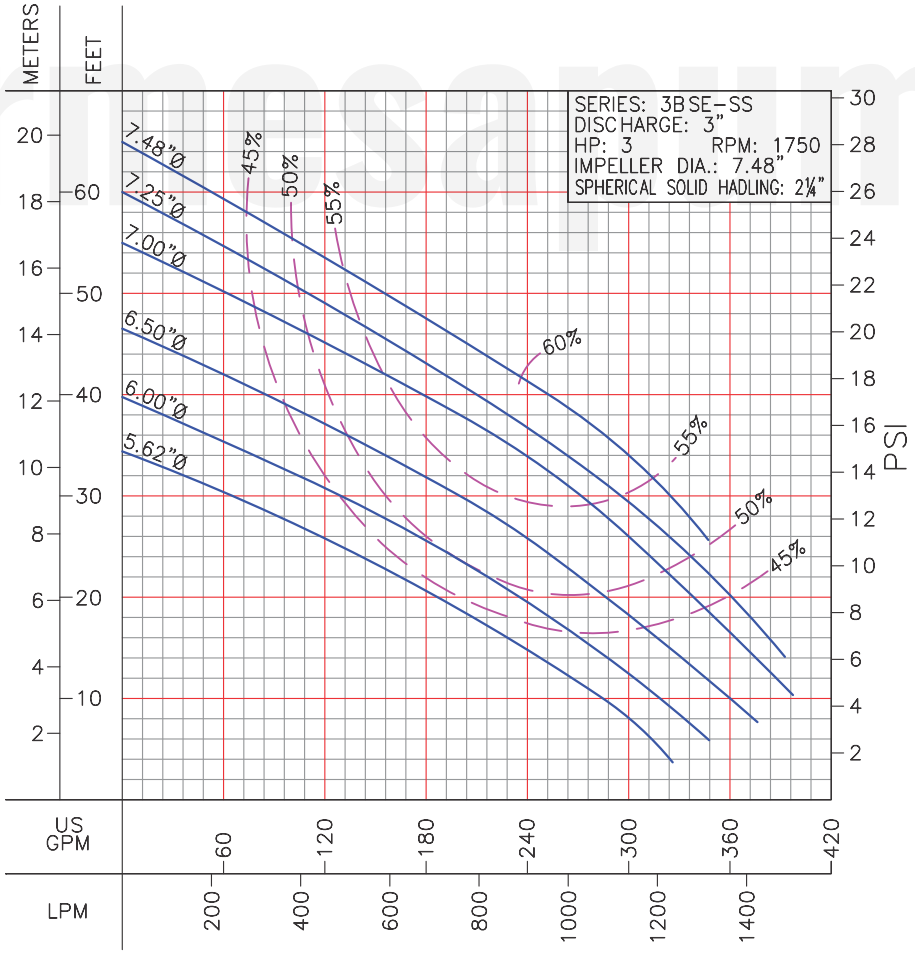
OPTIONAL EQUIPMENT
Additional cord

TECHNICAL DATA SHEET

SPECIFICATIONS



MODEL	PART No.	HP	VOLTS	PHASE	RPM (Nominal)	MAX AMPS	LOCKED ROTOR AMPS	NEMA CODE	CORD SIZE	CORD TYPE	CORD O. D.	WEIGHT (pounds)
3BSE302SS	62170016	3	230	1	1750	28	59	A	10/3	SJO	0.69"	170
3BSE303SS	62170017	3	230	3	1750	19	56	D	10/3	SJO	0.75"	170
3BSE304SS	62170018	3	460	3	1750	9	28	D	10/3	SJO	0.75"	170



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