



BZ - SERIES

SINGLE VANE - SEWAGE & WASTE WATER PUMPS

SPECIFICATIONS

■ FEATURES

1. Single Vane, Cast Iron, impeller passes 3" diameter solids without clogging providing for highly efficient pumping of raw sewage and waste water.
2. Double inside mechanical seals with silicon carbide faces, running in an oil filled chamber and further protected by a lip seal, provides for the most durable seal design available.
3. Highly efficient, continuous duty, air filled, copper wound motor with class F, insulation minimizes the cost of operation.
4. Built in thermal & amperage sensing, protector prevents motor failure due to overloading, single phasing (in three phase units), or accidental run -dry conditions.
5. Double shielded, permanently lubricated, high temperature C3 ball bearings rated for a B-10 life of 60,000 hours, extend operational life.

■ APPLICATIONS

1. Residential, commercial, industrial sewage, effluent, wastewater and site drainage.
2. Decorative waterfalls, fountains and fish ponds.
3. Raw water supply from rivers or lakes.



■ SPECIFICATIONS

Discharge Size
 Horsepower Range
 Performance Range Capacity
 Head
 Maximum water temperature
 Materials of Construction
 Casing
 Impeller
 Shaft
 Motor Frame
 Fasteners

 Mechanical Seal
 Elastomers

 Impeller Type
 Solids Handling Capability

 Bearings

 Motor Nomenclature
 Type, Speed, Hz.
 Voltage, Phase

 Insulation

 Accessories
 Operational Mode

■ STANDARD

4" Npt (100 mm)
 2 ~15 Hp. (1.5 ~ 11 kW)
 105.7 ~ 951.0 Gpm. (.40 ~ 3.60 m³/min)
 21.0 Ft. ~ 101.7Ft. (6.4 ~ 31.0 m)
 104° F. (40° C.)

 ASTM 48 Class 35 Cast Iron
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 420,403 Stainless Steel
 ASTM 48 Class 35 Cast Iron
 304 Stainless Steel

 Silicon Carbide
 NBR (Nitril Buna Rubber)

 Enclosed Single Vane, solids handling.
 3.15" (80 mm)

 Pre-lubricated, Double Shielded

 Air Filled, 1800 Rpm, 60 Hz.
 208-230, 230 or 440, 460 or 575 V.
 (3 Phase)

 Class F
 Submersible Power Cable 32' (10 m)
 Manual

■ OPTIONS

Nema 3R inverter available for
 230 V., 1 Ph. operation from
 2~5 Hp.

 Length as Required

 Model
 TOS Slide rail system