



**BK - SERIES
SEWAGE & WASTEWATER PUMPS**

SPECIFICATIONS

■ FEATURES

- 1. Internal cooling jacket offers continued cooling during low sump levels or dry pit Pumping.
- 2. Enclosed Multi-vane, impellers, with field adjustable / replaceable wear plate provides for high wear resistance and enhanced solids handling capability.
- 3. Highly efficient, continuous duty air filled, copper wound motor with class F insulation minimizes the cost of operation.
- 4. Built in thermal protection prevents motor failure due to overloading, accidental run-dry and single phasing in three phase units.
- 5. Double inside mechanical seals with silicon carbide faces, running in an oil filled chamber, equipped with an oil lifter,, and further protected by an exclusionary oil -

- Seal(s), provides for the most durable seal design available.
- 6. Double shielded, permanently lubricated, high temperature C3 ball bearings rated for a B-10 life of 60,000 hours provide for extended operational life.

■ APPLICATIONS

- 1. Commercial, Industrial sewage, wastewater, or effluent transfer.
- 2. Decorative fountains and aquiculture .
- 3. Raw water supply from rivers or lakes.
- 4. Dry pit sump design available.



■ 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

- 6" ~ 16" (150 ~ 400 mm)
- 30 Hp. ~ 60 Hp. (22 kW ~ 45 kW)
- 429 ~ 6340 G.P.M. (1.6 ~ 24.0 m³/min)
- 10.7 Ft.~154.2 Ft. (3.3 ~ 47.0m)
- 104° F. (40° C.)
- Cast Iron, ASTM 48 Class 35
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- 420 Stainless Steel
- Cast Iron, ASTM 48 Class 30
- 304 Stainless Steel
- Silicon Carbide
- NBR (Nitril Buna Rubber)
- Semi-open, Enclosed, solids handling.
- 1.57" ~ 4.25" (40 ~ 108 mm)
- Pre-lubricated, Double Shielded
- Air Filled,
- 3600, 1800, 1200 & 900 Rpm, 60 Hz.
- 460 or 575 V., (3 Phase)
- Class F
- Submersible Power Cable 32' (10 m)
- Manual

■ OPTIONS

- Dry-Pit
- Length as required.
- TO/TOS Slide Rail System