



**VANCS SERIES - PN**  
(FRP) SEMI-VORTEX - WASTEWATER PUMPS

**Specifications**

**FEATURES**

1. Semi-vortex , FRP (Fiberglass Reinforced Plastic), impeller passes solids and stringy material without clogging and increases wear resistance when pumpage contains abrasive particles.
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 E, 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.
6. Utilization of application appropriate FRP & stainless steel components increases corrosion resistance in a wide variety of applications.

**APPLICATIONS**

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



**SPECIFICATIONS**

- Discharge Size
- Horsepower Range
- Performance Range Capacity Head
- Maximum water temperature
- Materials of Construction
  - Casing (upper)/(lower)
  - 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**

- 2" ~ 3" N.P.T. (50~ 80 mm)
- 1/3 ~ 5 (.25 ~ 3.7 kW)
- 10.6 ~ 224.6 G.P.M.. (.04 ~ .85 m<sup>3</sup>/min)
- 10.7 Ft. ~ 95.1 Ft. (3.25 ~ 28.99 m)
- 104<sup>o</sup> F. (40<sup>o</sup> C.)
- FRP (ABS + G20) / ABS
- FRP (PPO + G20)
- 403 Stainless Steel
- 304 Stainless Steel
- 304 Stainless Steel
- Silicon Carbide
- NBR (Nitril Buna Rubber)
- Semi-Vortex, solids handling.
- .4" ~ .8" (10 ~ 20mm)
- Pre-lubricated, Double Shielded
- Air Filled, 3600 Rpm, 60 Hz.
- 115 or 230 V.,1 Phase.,
- 208-220, 230, 460,or575 V., 3 Phase.
- Class E
- Submersible Power Cable 32' (10 m)

**OPTIONS**

- Nema 3R inverter available for 230 V.,1 Ph. operation for 2 Hp.
- Length as Required
- Model A(Automatic),Model AW (Automatic Alternating)
- TOK ( FRP) Slide rail system