



U - SERIES
SEMI-VORTEX - SEWAGE & WASTE WATER PUMPS

SPECIFICATIONS

FEATURES

1. Semi-vortex , Cast Iron, 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 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

2" ~ 3" Npt (50~80 mm)
2 ~ 5 Hp. (1.5 ~ 3.7 kW)
26.4 ~ 264.0 Gpm. (.01 ~ 1.0 m³/min)
16.4 ~ 82.0 Ft. (5.0 ~ 25.0 m)
104° F. (40° C.)

Cast Iron, ASTM 48M Class 30B
Cast Iron, ASTM 48M Class 30B
403, 420 Stainless Steel
Cast Iron, ASTM 48M Class 30B
304 Stainless Steel

Silicon Carbide
NBR (Nitril Buna Rubber)

Semi-Vortex, solids handling.
1.38" ~ 2.2" (35 mm ~56 mm)

Pre-lubricated, Double Shielded

Air Filled, 3600 Rpm, 1800 Rpm,60 Hz.
208-230, 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

TOS Slide rail system