FEATURES

Corrosion resistant construction
Cast iron body
Thermoplastic impeller and cover.
Upper sleeve and lower heavy duty ball bearing construction.
Motor is permanently lubricated for extended service life.
Powered for continuous operation.
Vortex impeller is recessed to allow free flow through casing.
All ratings are within the working limits of the motor.
Replaceable power cord, 10’ and 20’ standard lengths, heavy duty 16/3 SJTW with NEMA three prong, 115 or 230 volt grounding plug.
Complete unit is heavy duty, portable and compact.
Mechanical seal is carbon, ceramic, BUNA and stainless steel.
Stainless steel fasteners
**APPLICATIONS**

Specially designed for the following uses:
- Residential sewage systems
- Heavy duty sump/dewatering
- Water transfer

**SPECIFICATIONS**

**Pump**
- Discharge: 2” NPT
- Maximum capacity: 100 GPM
- Maximum head: 22’ TDH
- Vortex Impeller
- Solids handling: 2” maximum sphere.
- Temperature: 104° F (40° C) maximum, continuous when fully submerged.
- Automatic models include a float switch.
- Manual models available.
- Pumping range: see performance chart or curve.

**MOTOR**
- Single phase
- 60 Hertz
- 115 and 230 volt
- Built-in thermal overload protection with automatic reset.
- Class B insulation
- Oil-filled design
- High strength carbon steel shaft
- .40 and .50 HP, 3400 RPM
- PSC design

**AGENCY LISTINGS**

Tested to UL 778 and CSA 22.2 108 Standards
By Canadian Standards Association
File #LR38549

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### MODEL INFORMATION

<table>
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<tr>
<th>Order No.</th>
<th>HP</th>
<th>Volts</th>
<th>Max. Amps</th>
<th>Minimum Circuit Breaker</th>
<th>Phase</th>
<th>RPM</th>
<th>Float Switch Style</th>
<th>Power Cord Length</th>
<th>Discharge Connection</th>
<th>Maximum Solids Size</th>
<th>Minimum Basin Diameter</th>
<th>Shipping Weight lbs/kg</th>
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PERFORMANCE CHARTS
These charts show actual system performance with friction loss factored in for various discharge pipe lengths. Calculations and performance based on a system with 2" PVC, schedule 40 plastic pipe (C150), (4) 90° elbows, (1) check valve and (1) shut-off valve. Wastewater requires a minimum scouring velocity of 21 gpm for 2" pipe. Shaded areas do not provide minimum scouring velocity - use only for gray water with no solids.

<table>
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<th>Pipe Length (Feet)</th>
<th>GPM</th>
<th>Vertical Head (Feet)</th>
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METERS FEET

MODEL: PV5, PV4
SIZE: 2"
RPM: 3400
HP: .50, .40
SOLIDS: 2.0" Dia.
DIMENSIONS
(All dimensions are in inches. Do not use for construction purposes.)

10.8
2.6
6.8

15.12
14.50
6.50
2.03

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