PS

SUBMERSIBLE SEWAGE PUMP
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.
• All ratings are within the working limits of the motor.

APPLICATIONS
Specially designed for the following uses:
• Residential Sewage Systems
• Heavy-Duty Sump/Dewatering
• Water Transfer

SPECIFICATIONS
Pump – General:
• Discharge: 2" NPT
• Temperature: 104ºF (40ºC) maximum, continuous when fully submerged.
• Solids handling: 2” maximum sphere.
• Automatic models include a float switch.
• Manual models available.

PS4 Pump:
• Maximum capacity: 110 GPM
• Maximum head: 23’ TDH

PS5 Pump:
• Maximum capacity: 130 GPM
• Maximum head: 27’ TDH

MOTOR
General:
• 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

PS4 Motor:
• .40 HP, 3400 RPM
• PSC design

PS5 Motor:
• .50 HP, 3400 RPM
• PSC design

FEATURES
• Quick disconnect 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

AGENCY LISTINGS
Tested to UL 778 and CSA 22.2 108 Standards
By Canadian Standards Association
File #218526

MODEL INFORMATION

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<th>Volts</th>
<th>Amps</th>
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<th>Phase</th>
<th>Float Switch Style</th>
<th>Cord Length</th>
<th>Discharge Connection</th>
<th>Minimum Basin Diameter</th>
<th>Maximum Solids Size</th>
<th>Shipping Weight lbs/kg</th>
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PAGE 2
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 21gpm for 2” pipe. Shaded areas do not provide min. scouring velocity - use only for gray water with no solids.

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METERS | FEET
---|---
30 | 0
25 | 7.5
20 | 15
15 | 22.5
10 | 25
5 | 30
0 | 30

TOTAL DYNAMIC HEAD
GPM
CAPACITY
m³/h
0 | 0 | 5 | 10 | 15 | 20 | 25 | 30
0 | 5 | 10 | 15 | 20 | 25 | 30
MODELS: PS4 and PS5
SIZE: 2” SOLIDS
RPM: 3400  HP: .40, .50
DIMENSIONS
(All dimensions are in inches. Do not use for construction purposes.)