

## Series SM 909/1212 Bronze AC Magnetically Driven Spherical Motor Centrifugal Pumps



### Applications

Specifically designed for the following uses:

- Hot Water Circulation
- Liquid Transfer
- General Purpose Pumping
- HVAC Applicable

### Specifications

#### Pump

- Max Capacities: 12 GPM
- Max Head: 28'
- Pipe Connections:
  - 1/2" and 3/4" Bronze Sweat
  - 3/4" Bronze Flange
- Maximum Working Pressure: 150 PSI
- Maximum Temperature: 230° F
- Rotation: counter clockwise when viewed from the motor end

#### Motor

- AC Magnetically Driven Spherical Motor
- 115 Volt 65 Watts 60 Hz, 3450 RPM
- 230 Volt 65 Watts 50 Hz, 2850 RPM
- Automatic Overload Protection

### Features

#### Compact Design

Close coupled, space saving design provides easy installation.

#### Mounting

Pump can be mounted horizontally or vertically with motor end down.

### Construction

ASTM lead free bronze flange and sweat construction.

### Ceramic Bearing Ball and Carbon Bearing Cap

High density ceramic bearing ball and graphite impeller bearing cap designed for high efficiency and long life.

### Impeller

Highly efficient and dynamically balanced with carbon bearing for smooth ultra quiet operation.

### Casing

Casing is ASTM Bronze Volute type construction.

### Mechanical Seal

Unique patented design has no mechanical seal which is a potential leak path.

### Motor

Patented spherical motor pump design is ultra quiet and is designed for continuous operation. All ratings are within working limits of the motor.

### Noise level

Whisper quiet, less than 30 db

### Weight

Lightweight construction weighs less than 6lbs.

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Materials of Construction (Wetted Parts)

| Part                   | Materials                      |
|------------------------|--------------------------------|
| Pump Housing           | Bronze ASTM                    |
| "O" Ring               | EPDM                           |
| Impeller               | Nylon/PPO                      |
| Bearing                | Carbon/Allumina Ceramic        |
| All Other Wetted Parts | 316 Stainless Steel or Plastic |

