



Applications

Specifically designed for the following uses:

- Water Circulation
- Liquid Transfer
- Ozone Treatment
- Saltwater and Freshwater Aquarium Circulation
- General Purpose Pumping

Specifications

Pump

- Max Capacities: 36 GPM
- Max Head: 10.5'
- Union Connections:
1½" Buttress Threads Suction and Discharge
- Maximum Working Pressure: 50 PSI
- Maximum Temperature: 140° F
- Rotation: counter clockwise when viewed from the motor end

Motor

- Electronically Commutated AC/DC/AC Spherical Motor
- Canned Spherical Type Motor
- 230 Volt 0.45 Amps 110 Watts 50/60 Hz, 2100RPM
- Automatic Overload Protection
- Low In-Rush Current
- Dry Run Protection

Features

Compact Design

Close coupled, space saving design provides easy installation

Mounting

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

Motor Bracket

Thermoplastic motor bracket is adjustable to 4 different discharge angles.

Construction

Available in 316SS fitted thermoplastic or Titanium fitted thermoplastic.

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, clog resistant open impeller is dynamically balanced with carbon bearing for smooth ultra quiet operation.

Casing

Casing is Volute type thermoplastic construction.

Mechanical Seal

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

Motor

High efficient spherical motor design, ultra quiet, ultra efficient. Pump is designed for continuous operation. All ratings are within working limits of the motor.

Electronics

Embedded microprocessor control is self protected against dry run conditions. Available with variable speed with PWM input or dial control (potentiometer) on the pump.

Noise level

Whisper quiet, less than 50 db.

Weight

Lightweight construction weighs less than 4lbs.

Series E14 AC Electronically Commutated Spherical Motor Centrifugal Pumps



Materials of Construction (Wetted Parts)

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

