

D5 Brass DC Electronically Commutated Spherical Motor Centrifugal Pumps



Applications

Specifically designed for the following uses:

- Hot Water Circulation
- Radiant Floor Heating
- Liquid Transfer
- Solar Applications
- General Purpose Pumping
- Potable Water Applications

Specifications

Pump:

- Max Capacities: 7 GPM
- Max Head: 15'
- Pipe Connections:
 - 1/2" FPT and 1/2" Sweat
 - 1/2" Union Connection
- Maximum Working Pressure: 150 PSI
- Maximum Temperature: 203° F
- Rotation: counter clockwise when viewed from the motor end

Motor:

- Electronically Commutated DC Spherical Motor
- Canned Spherical Motor Type
- 8-24 Volt DC
- Automatic Overload Protection
- Low In-Rush Current

Features

Compact Design:

Close coupled, space saving design provides easy installation.

Mounting:

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

Construction:

Wetted parts are brass, 316SS, thermoplastic, carbon and ceramic for superior corrosion resistance.

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 lead free brass construction.

Mechanical Seal:

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

Motor:

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

Electronics:

Embedded microprocessor control is self-regulating and available with variable speed dial control (potentiometer) on the pump or as an optional PWM input for OEM.

Noise level:

Whisper quiet, less than 40 db.

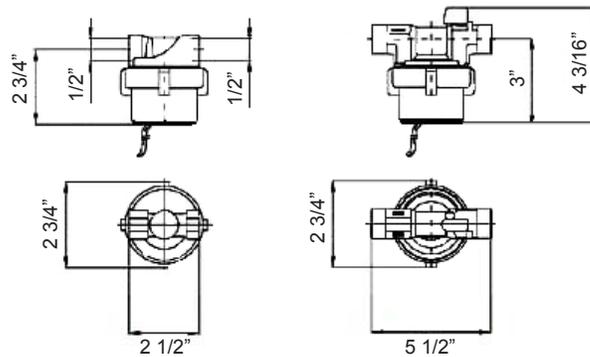
Weight:

Lightweight construction weighs less than 2lbs.

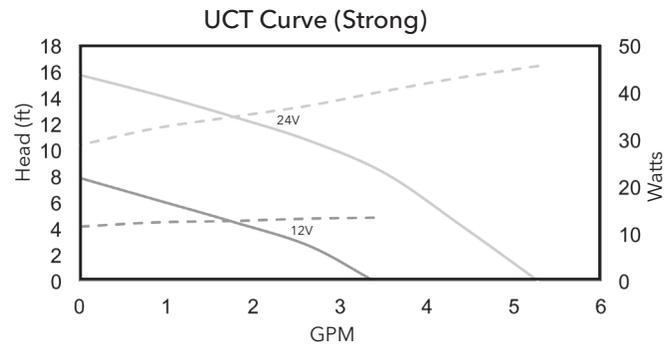
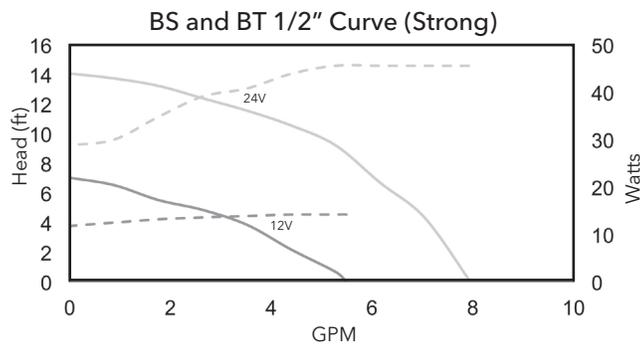
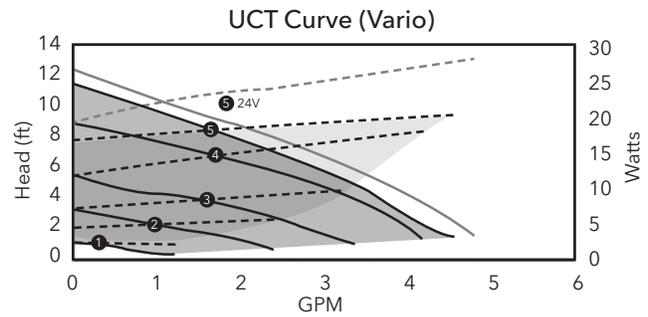
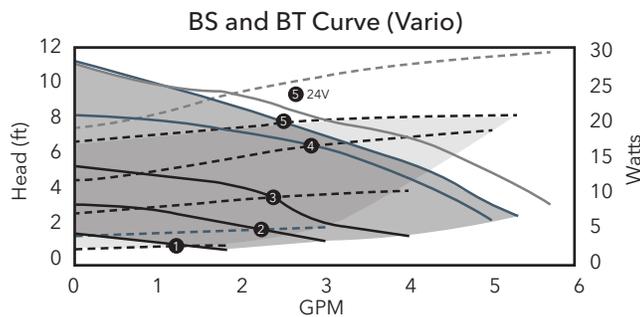
Laing Thermotech D5 Brass Specifications

Materials of Construction (Wetted Parts)

Part	Materials
Pump Housing	Brass
"O" Ring	EPDM or Viton
Impeller	Polyphenylene Oxide (PPO)
Bearing	Carbon/Aluminum Ceramic
All Other Wetted Parts	316 Stainless Steel



D5 Series Pump Curves - Brass



xylem
Let's Solve Water

Xylem Inc.
3878 S. Willow, Suite 104
Fresno, CA 93725
Tel: (559) 265-4730 (800) 554-6853
Fax: (559) 265-4740 (800) 453-7523
www.xylem.com/brands/laingthermotech

Laing Thermotech is a trademark of Xylem Inc. or one of its subsidiaries.
© 2013 Xylem Inc. SS-06R1 January 2013