### MATERIAL AND DESIGN

#### PUMP BODY AND PARTS

- **Material**
  - Glass reinforced thermoplastic
  - Threaded brass inserts throughout
  - Bronze impeller wear ring
  - Compression resistant BUNA nitrile rubber
  - Stainless steel hardware
- **Port size**
  - Suction: 2.5” (3” with unions)
  - Discharge: 2.5” (3” with unions)
- **Mechanical seal**
  - Type 6A mechanical seal
  - Made of ceramic, stainless steel, and EPDM

#### HAIR AND LINT STRAINER

- **Material**
  - White high density polyethylene thermoplastic
  - Clear thermoplastic
  - Glass reinforced thermoplastic

#### MOTOR

- **NEMA rated 56 frame square flange totally enclosed fan cooled (TEFC)**
- **Induction motor**
- **Shaft**
  - 300 series stainless steel
- **Thermal overload protection**
  - Provided by the motor control circuit
- **Bearings**
  - Lubricated, double sealed, stainless steel, single row, ball bearings
- **Intrusion protection**
  - IPx6

#### ELECTRICAL

- **Input voltage**: Single-Phase: 208–230/277–460 VAC
  - Three-Phase: 208–460 VAC
- **2-¼ in NPT conduit port**
- **Input current**: Single-Phase: 20–21/17–11 A
  - Three-Phase: 13–6 A
- **Input frequency**: 50 or 60 hz
- **Motor horsepower**: 5 hp
- **Speed range**: 300–3450 RPM

### THERMAL LIMITS

- **Ambient air temperature**: 50° C (122° F) Max
- **Liquid Temperature**: 40° C (104° F) Max

### EFFICIENCY RATINGS

- **WEF**: 5.0
- **THP**: 5.0

### PRIMING ABILITY

- Self-priming to 10 ft (3.05 m)

### AGENCY COMPLIANCE

- Certified to UL 1081 and CSA C22.2 No. 108
- Certified to NSF/ANSI 50
- Energy Star Certified

### GENERAL INSTALLATION NOTES

Install pump in a cool, dry, well vented location away from pool heaters, and protected from excessive moisture after storage.

- Pump should be firmly mounted with pipe supported to prevent vibration and undue operational noise.
- Allow 12” minimum clearance above lid for servicing.
- Allow 12” minimum clearance behind motor for servicing.
- Motor overheating may be caused by a voltage drop or excessive voltage. Be sure that wire size and voltage input is properly regulated.
- Follow installation details as found in the operation and installation manual.
WHISPERFLOXF® VS & STA-RITE® MAX-E-PROXF® VS

PUMP PERFORMANCE CURVES

FACTORY PRESET SPEEDS

- QUICK CLEAN - 3450 RPM
- PROGRAM 3 - 3000 RPM
- PROGRAM 2 - 2500 RPM
- PROGRAM 1 - 1720 RPM

SKU | DESCRIPTION
--- | ---
022035 | WhisperFloXF VS
023035 | Sta-Rite® Max-E-ProXF VS

PRODUCT DIMENSIONS

DIMENSIONS:
INCHES [MM]

10/19 31923 ©2019 Pentair Water Pool and Spa, Inc. All rights reserved.