

INTELLIFLO3[®]

VARIABLE SPEED AND FLOW PUMP



The ultimate award-winning replacement pump.

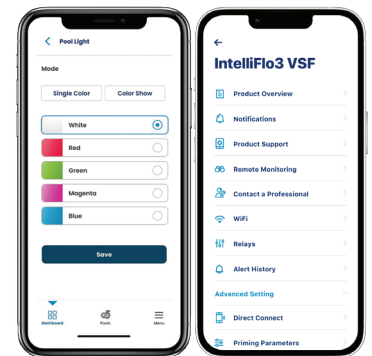
The IntelliFlo3[®] VSF Pool Pump is a versatile pump that is compatible with nearly any pool.*

Designed to take the pool industry to the next level, IntelliFlo3 VSF pool pump, state-of-the-art award-winner, has received accolades for its unparalleled efficiency, quality, and technology.

KEY FEATURES

- ▶ **Two horsepower options:** available in 3.0HP and 1.5HP to meet all pool needs.
- ▶ **Easy installation with the Pentair Pro app:** install via the Pentair Pro app with intuitive step-by-step actions and optional ongoing remote monitoring for easy maintenance.
- ▶ **Entry level automation:** the most advanced pump-based two-relay automation system gives pool owners easy control of up to two additional pool devices, such as lights and a salt chlorine generator.
- ▶ **Proprietary flow technology maintains the pool's optimal flow:** for ongoing pool enjoyment, it helps support the longevity of the parts and ensures that all systems are performing at their peak.
- ▶ **Up to 90%* energy savings:** slower speed and regulated flow can save energy and impact that monthly utility bill.
- ▶ **Updated motor, drive, and hydraulics:** ENERGY STAR[®] rated and U.S. Department of Energy (DOE) pump regulation compliant.
- ▶ **Monitor and control via the Pentair Home app:** for pool owners, it's easy to set schedules and manage their pump at anytime, anywhere with the Pentair Home app.

Pentair Pool App Pentair Pro App



Easy app control

Optional touchscreen
For more control and flexibility.



GET INTELLIFLO3 RESOURCES AT THE ALL-IN-ONE HUB:
www.pentair.com/intelliflo3hub

*Based on pump performance, when being used for pool water filtration of up to 93 gallons/minute on system friction curve C, equating to the ability to achieve at least 2 turns per day on pools less than 65,000 gallons in water volume or for water features with flow performance up to 170 gallons per minute at 25 ft of Total Dynamic Head.

Material and Design

PUMP BODY AND PARTS

- **Material**
 - Glass reinforced thermoplastic
 - Threaded brass inserts throughout
 - Bronze impeller wear ring
 - Compression resistant EPDM rubber
 - Stainless steel hardware
- **Port size – 3.0HP**
 - Suction & Discharge 2.5" (2" with included adapter or 3" with optional kit)
- **Port size – 1.5HP**
 - Suction & Discharge ports support: 1.5" or 2"
- **Mechanical seal**
 - Type 6 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)
- Permanent magnet synchronous motor (PMSM)
- **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**
 - IPx5



INTELLIFLO3® 3.0HP
VARIABLE SPEED & FLOW PUMP

INTELLIFLO3® 1.5HP
VARIABLE SPEED & FLOW PUMP

3.0 HP

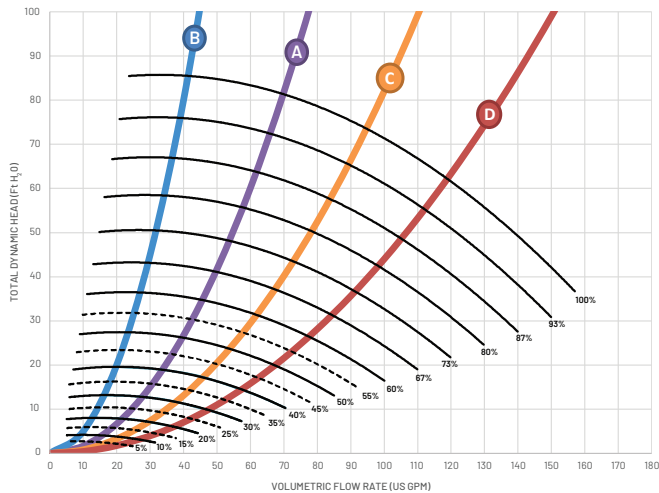
Electrical Specifications

3.0 HP IntelliFlo3 VSF

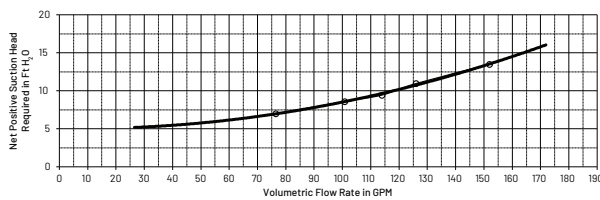
Input Voltage Nominal	208-230VAC	
Input Current	12.4/11.2 Amps	
Input Frequency	Single Phase, L1-L2 or L-N, 50 or 60Hz	
Maximum Input Watts	2590W	
Maximum Shaft Horsepower	3.0 HP	
Speed Range	1-100% (450-3450 RPM)	
Environmental Enclosure Rating	NEMA Type 3/ IPX5	
Ambient Condition Range	Storage	-40°C to +60°C (-40°F-140°F)
	Operating	0°C to 50°C (32°F-122°F)
	Humidity	Relative 0-95% Non-Condensing

Performance & Efficiency Curves

3.0 HP Performance Curves*



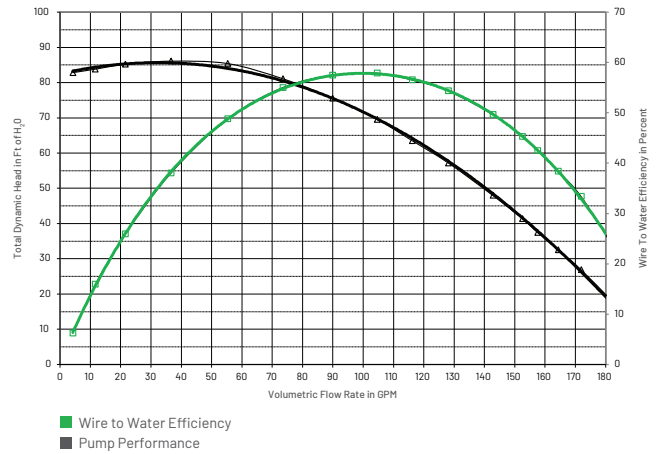
NPSHr



*Curves A, B, C, and D are system friction curves developed as part of the APSP-15 and California CEC Title 24 standards for Energy Efficiency for Swimming Pools. They represent various plumbing sizes commonly found in the swimming pool industry.

**Savings based on variable speed pump compared to a single-speed pump running 12 hours per day at an average of \$0.16 per kWh in a 20,000 gallon pool. Actual savings may vary based on local utility rates, pool size, pump run time, pump horsepower, pump rpm, plumbing size and length, pump model, service factor and other hydraulic factors. Individual Weighted Energy Factor (WEF) scores and savings may vary by model.

Maximum Speed Pump Performance and Efficiency**

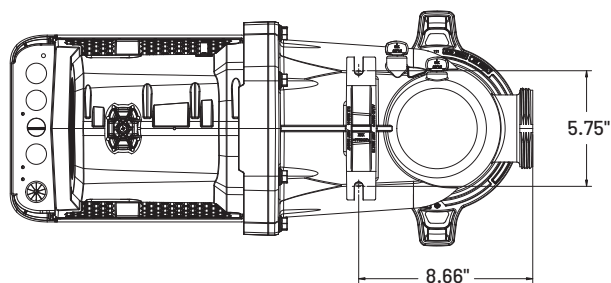
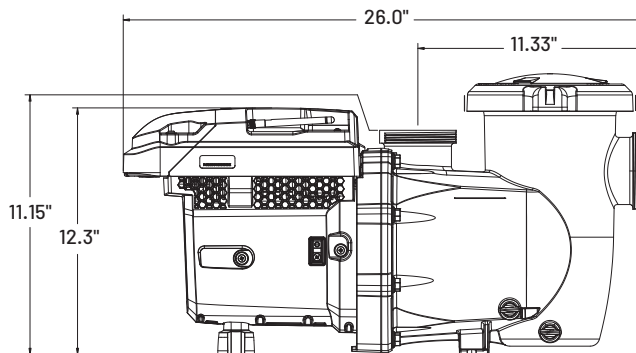
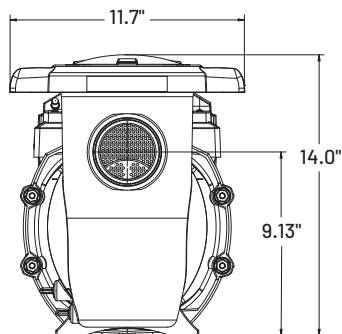


Intersection point represents the most efficient operating point at maximum speed. Testing performed in-house in controlled environment. Actual performance may vary.



3.0 HP

Product Dimensions

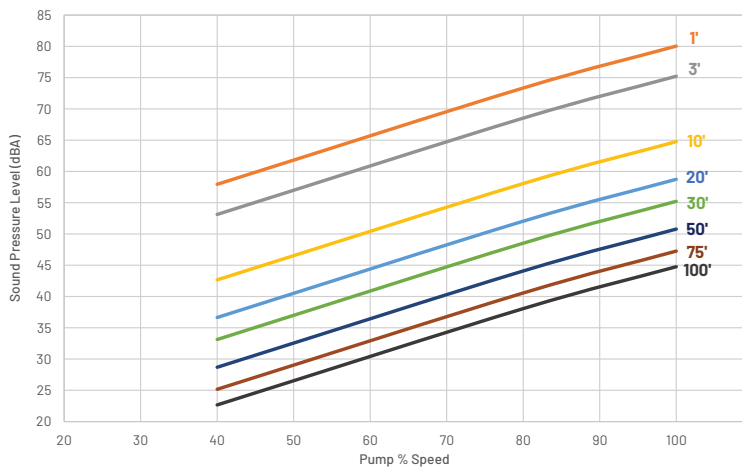


Scan the QR code for installation instructions and set-up using the Pentair Pro app.

pentair.com/intelliflo3-proapp-support

Sound Levels

Sound Levels*



*Sound pressure levels calculated from A-weighted sound power level obtained from independent testing.

Distance from Pump							
1 ft	3 ft	10 ft	20 ft	30 ft	50 ft	75 ft	100 ft



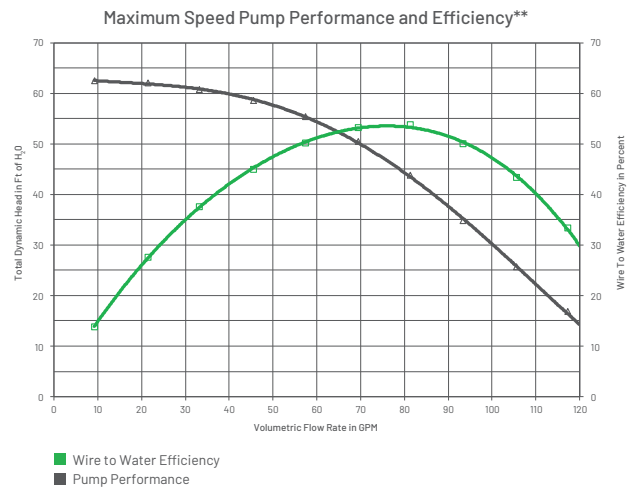
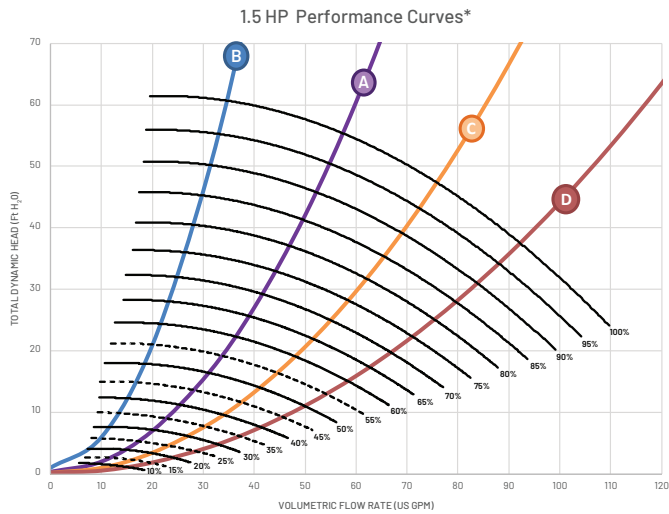
1.5 HP

Electrical Specifications

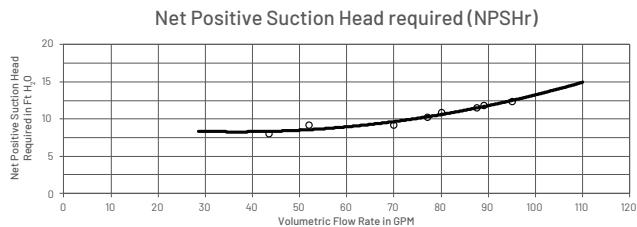
1.5 HP IntelliFlo3 VSF

Input Voltage Nominal	115/208-230VAC	
Input Current	12.0/6.4-5.9 Amps	
Input Frequency	Single Phase, L1-L2 or L-N, 50 or 60Hz	
Maximum Input Watts	1350W	
Maximum Shaft Horsepower	1.5 HP	
Speed Range	1-100% (400-4000 RPM)	
Environmental Enclosure Rating	NEMA Type 3/IPX5	
Ambient Condition Range	Storage	-40°C to +60°C (-40°F-140°F)
	Operating	0°C to 50°C (32°F-122°F)
	Humidity	Relative 0-95% Non-Condensing

Performance & Efficiency Curves



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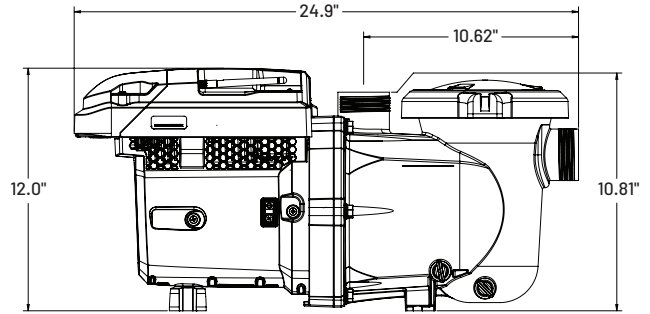
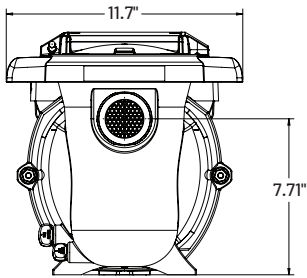
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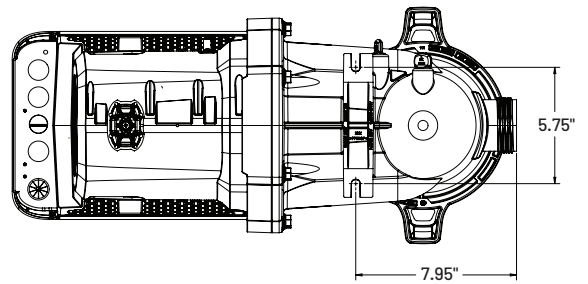
1.5 HP

Product Dimensions



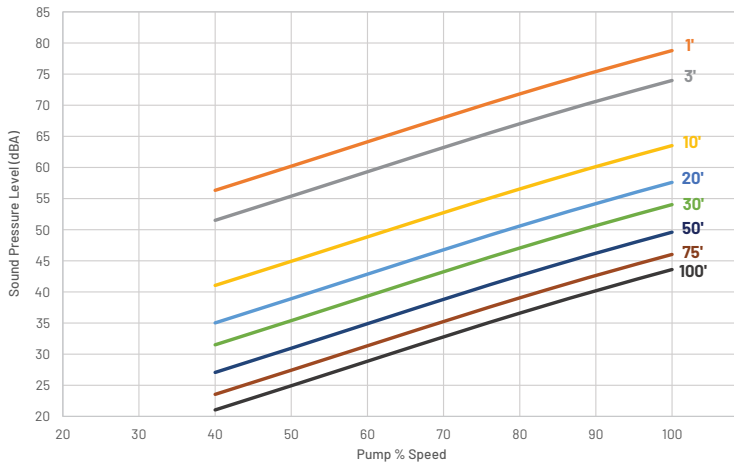
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pentair.com/intelliflo3-proapp-support



Sound Levels

Sound Levels*



*Sound pressure levels calculated from A-weighted sound power level obtained from independent testing.

Distance from Pump							
1 ft	3 ft	10 ft	20 ft	30 ft	50 ft	75 ft	100 ft



The IntelliFlo3® VSF Pump conveniently connects to applications that benefits both the pool professional and the pool owner.



PENTAIR PRO APP FOR POOL PROFESSIONALS

Full Control and Access of the Pump via the Pentair Pro App.

- **Installations are easy when you connect to the pump via Bluetooth® wireless technology or Wi-Fi to set up and configure the pump.**
 - Configure settings and limits.
 - Set schedules and speeds.
 - Set pump address (automation).
 - Configure relays (optional I/O board).
 - Ability to automatically invite homeowner to Pentair Home via email.
- **Remote visibility of pump status and operating conditions via Remote Monitoring.**

SERVICING BENEFITS

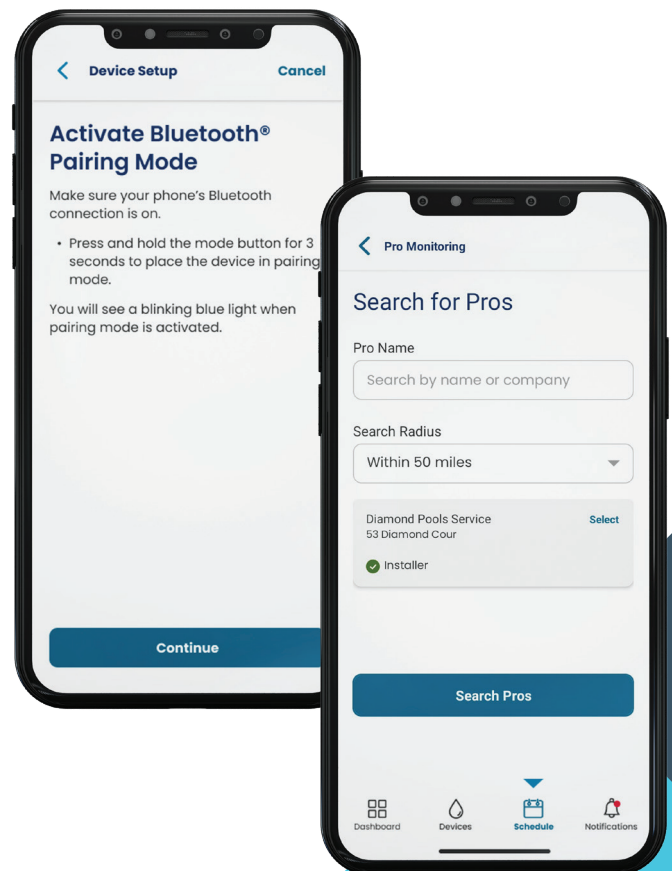
- Offer increased level of service and increased peace of mind to the homeowner with remote monitoring via the Pentair Pro app.
- Efficiently plan out your route or know what you are getting into before they arrive at the job.
- No longer need to go to job to flash software updates to the pump. It is handled by Pentair with over the air updates.



PENTAIR POOL APP FOR THE POOL OWNER

Control from anywhere, any time.

- **Remote access via Wi-Fi or Bluetooth® wireless technology connection.**
 - Set schedules and manage pump settings via mobile device.
 - Coordinate with service professionals or request remote monitoring services.



IMPORTANT NOTE: Wi-Fi Connection

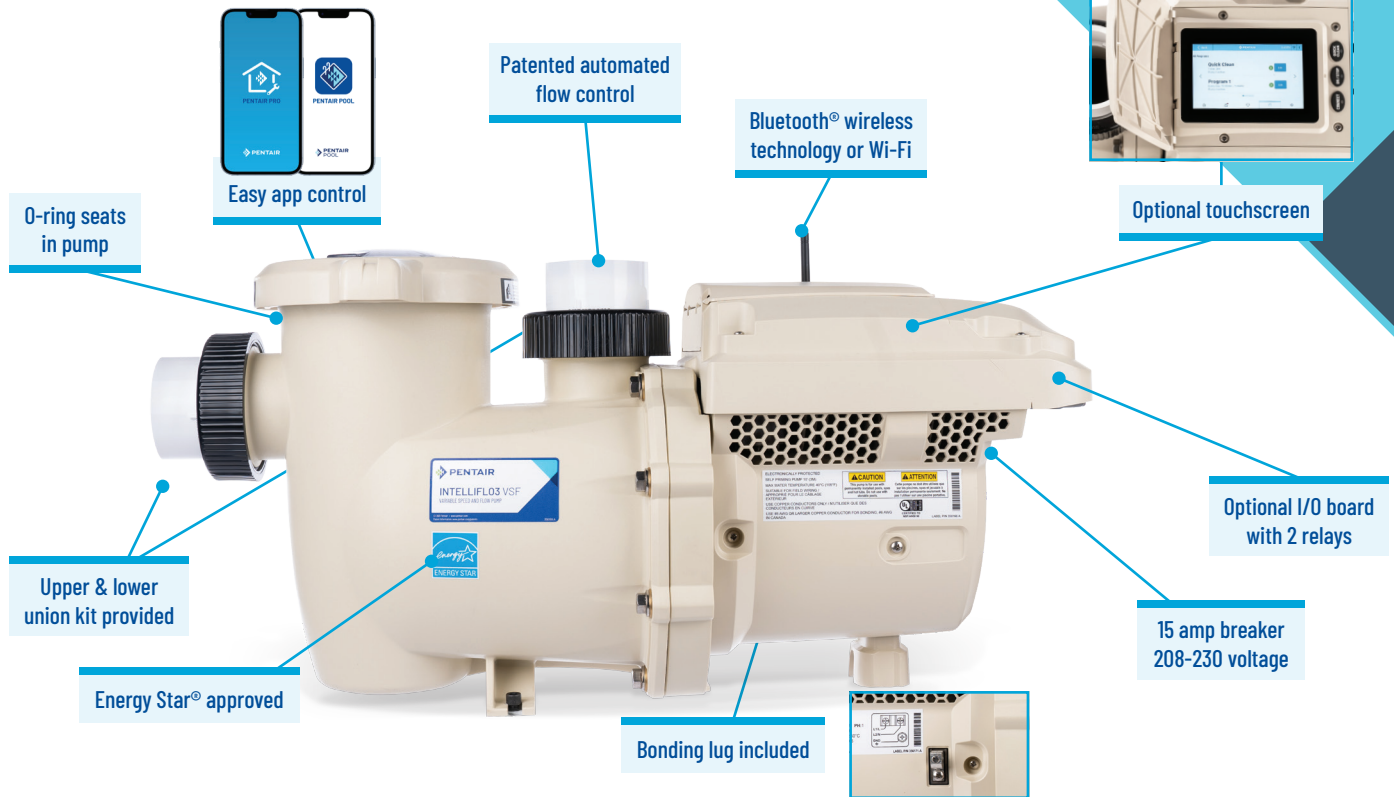
Even if the pump is connected to and controlled by automation, it can and should be, connected to Wi-Fi. This allows for over-the-air software and firmware updates.



DOWNLOAD THE APPS
www.pentair.com/appdownload



Loaded with features to get you to the next install even quicker.



ORDERING INFORMATION

PART #	DESCRIPTION	KEY SPECIFICATIONS							
		THP	WEF	Maximum Input Voltage	Frequency	Full Load AMPS	Port Size (NPT)	Weight	Certification*
3.0HP	011075 IntelliFlo3 VSF 3.0 HP	3	7.1	208V-230V	50 Hz or 60 Hz	12.4-11.2 Amps	2" x 2" or 2.5" x 2.5" or (optional) 3" x 3"	55 lbs	UL, NSF
	011076 IntelliFlo3 VSF 3.0 HP with relay board								
	011077 IntelliFlo3 VSF 3.0 HP with touchscreen								
	011078 IntelliFlo3 VSF 3.0 HP with touchscreen and relay board								
1.5HP	011065 IntelliFlo3 VSF 1.5 HP	1.5	9.4	115/208-230V	50 Hz or 60 Hz	12/6.4-5.9 Amps	1.5" x 1.5" or 2" x 2"	48 lbs	
	011066 IntelliFlo3 VSF 1.5 HP with relay board								
	011067 IntelliFlo3 VSF 1.5 HP with touchscreen								
	011068 IntelliFlo3 VSF 1.5 HP with touchscreen and relay board								
356159Z	IntelliFlo3 VSF universal touchscreen add on								
356365Z	IntelliFlo3 VSF optional universal relay board kit								

RISER BASE KIT OPTIONS

PART #	HORSEPOWER	MATCHES INTLET HEIGHT OF:
357831Z	1.5	IntelliFlo VSF Pool Pump, WhisperFlo Single Speed Pool Pump
357832Z	1.5	Challenger® High Flow Pool Pump, Max-E-Pro® High Efficiency Pool and Spa Pump, IntelliPro VSF Pool Pump
357833Z	3.0	Challenger High Flow Pool Pump, Max-E-Pro High Efficiency Pool and Spa Pump, IntelliPro VSF Pool Pump

*Certification details can be located on Pentair.com/IntelliFlo3



TRADEGRADE

The TradeGrade family of products is exclusively made for and sold by the world's most demanding pool professionals.



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