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 CLIENT OF KIMES ENGINEERING: FUN STATE POOL INC

WORKSHEET SHOWING DATA FOR COMPLIANCE WITH 2010 FBC, ANSI/APSP- 15

 OWNER: NORTON ADDRESS: 2663 TUSTENUGGEE AVE LOT: LAKE CITY 32025
ANSI 15 Filtration Flow

 VOLUME OF POOL Area 420 x Avg Depth 4.5 = Vol in CF 1890
 Vol in CF x 7.48 gal/CF = 14137 gallons

 Calculate Maximum Filtration Flow Rate: Pool Volume/ 360 = 39± GPM [if <13,000 use 36 gpm]

ANSI 15 Auxiliary Flow

 Calculate Maximum Auxiliary Load Design Flow Rate: N/A
 Number Spa Jets X 7 to 15 GPM = — GPM
 Or Water Feature Flow: — GPM

ANSI 15 Flow

 ANSI 15 Flow: 36 GPM [greater of ANSI 15 Auxiliary Flows and ANSI 15 Filtration Flow]

PUMP FROM APSP LISTING

Select a pump with Curve A (pools <17,000 gal) or Curve C (pools >17,000 gal) flow equal to or less than ANSI 15 Filtration Flow. May select a multi speed pump with flows acceptable for the ANSI 15 Auxiliary Flow, with acceptable Curve A or C listed flows. Curve A or C flows listed have no relationship or requirement related to ANSI 15 Auxiliary Flow.

 Pump Make & Model: INTELLIPRO ISSURS, PENTAIR PL6E6X54H-2092

 Pump Flow Rate(s) from Listing: @ Low/Single speed 11 GPM, & @ High Speed 73 GPM

 Pump Control: Filtration Pump has no auxiliary load: —, time clock to be installed.

 Filtration Pump with auxiliary load: Control for low speed default w/in 24 hrs ISSURS PENTAIR

 Make/model
 SELF CONTAINED
 PROGRAMMING

Size filter on "ANSI 15 Flow"

Filter Rates: Cartridge= 0.375 gpm/sf; Sand= 15 gpm/sf; DE= 2 gpm/sf

 Filter size: ANSI 15 Flow 36 GPM / Rate 375 gpm/sf = 95 SF Min Filter Size
 [see pool plan for filter model or show here: STARITE PUM 150]

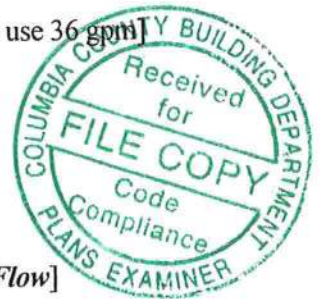
 Backwash Valve: 2" or Return Pipe Size: N/A or N/A N/A
ANSI 7 Flow see Site Specific Information Sheet
ANSI 5 Flow: Depending on the pipe, use any of the ANSI 15 Filtration, or ANSI 15 flows or the flow at 60 ft TDH on the selected pump curve for the ANSI 5 Flow

See flow vs velocity vs pipe size on Standard Engineering.

See summary of pipe sizes on ANSI 7 Site Specific Information Sheet

HEATER MODEL: N/A

 GAS HEATER EFFICIENCY RATING: N/A with no pilot light [min 78%]

 HEAT PUMP EFFICIENCY C.O.P.: N/A [min 4.0]




KIMES ENGINEERING
AND MANAGEMENT SERVICES, INC.

Owner: Norton

Permit #:

Property Address: 2663 JUSTENUSSEE AVE Area: LAKE CITY Lot: 32025

SITE SPECIFIC INFORMATION FOR COMPLIANCE WITH 2010 FBC & ANSI 7

Pump Selection- Brand & Model	FILTRATION PUMP	SPA PUMP	FEATURE PUMP
	JUSTENUSSEE VARIABLE SPEED	SAME	N/A

CHOOSE OPTION FOR DETERMINING MAXIMUM SYSTEM FLOW AT SUCTION OUTLETS

Maximum Flow from Pump- (Attach product pump curve)				
Simplified TDH- (Attach pump curve & Calculation)	<input checked="" type="checkbox"/>			
Detailed TDH Calculation- (Attach pump curve & Calculation)	<input type="checkbox"/>			
Pump Flow from Pump Curve with method indicated	Simplified Form			
Adjusted Maximum Pump Flow for sizing Branch Pipe & Suction based on number of Suction Outlets used	N/A			
Minimum Branch Pipe Size given flow at 6 FPS	N/A	Inch Pipe		Inch Pipe

LISTED SUCTION COVER/GRATE

Number of Suction Outlets	One Unobstructed			
Manufacturer & Model(attach product sheet)	Waterway 64D-132-2V			
Maximum Flow Floor(GPM)/ Maximum Flow Wall (GPM)	-	-1		+

TRUNK/SUCTION PIPE SIZING

Minimum Trunk Pipe Size given flow above @ 8 FPS	Inch Pipe	Inch Pipe	Inch Pipe
OTHER PIPE SIZE SUMMARY			
SKIMMER SUCTION- ANSI 15 FLOW @ 6 FPS	36	2"	
FILTRATION RETURN SIDE- ANSI 15 FLOW @ 8 FPS	36	2"	
AUXILIARY RETURN SIDE- ANSI 5 FLOW @ 10 FPS	N/A		
2 ND AUXILIARY RETURN SIDE- ANSI 5 FLOW @ 10 FPS	N/A		
OPTIONAL VACUUM OR SWEEP LINE- ANSI 5 FLOW @ 8 FPS	N/A		

NOTES:

13410 2ND AVENUE NE / BRIDGTON, FLORIDA 34212 / 941-749-0311

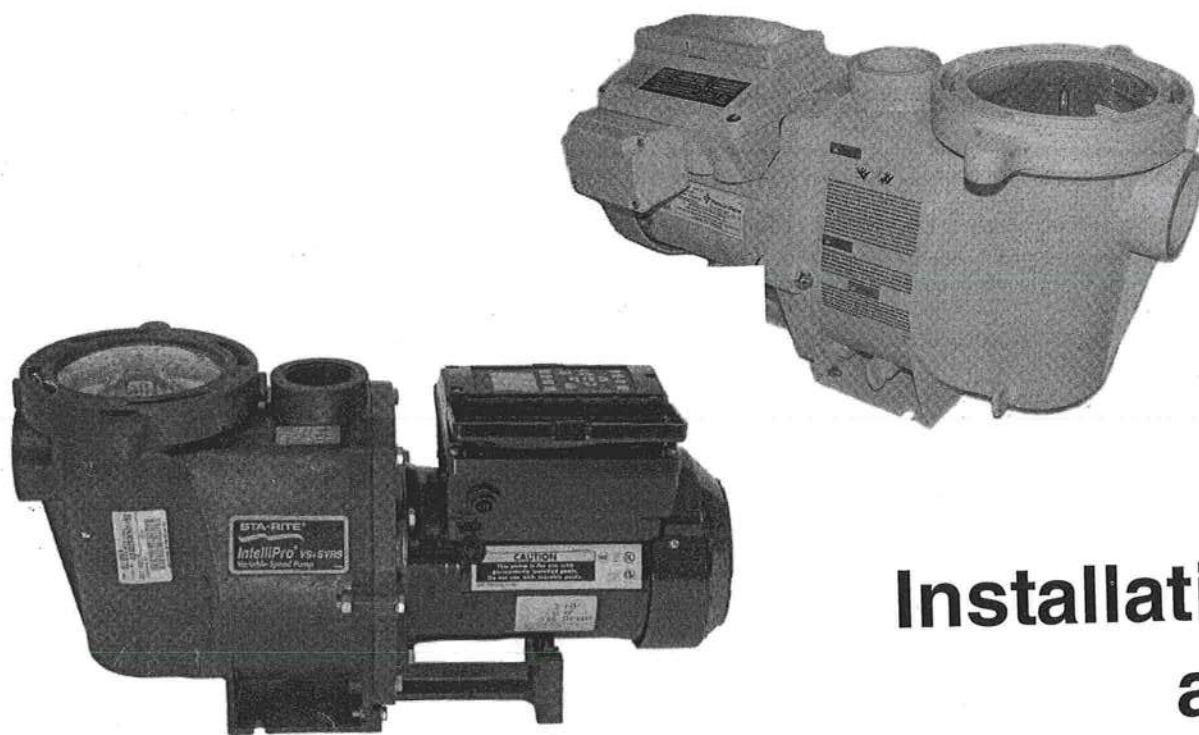
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IntelliFlo[®] VS+ SVRS and IntelliPro[®] VS+ SVRS

Variable Speed Programmable Pump
with Safety Vacuum Release System (SVRS) Protection
(Compatible with IntelliComm[®] communication center,
EasyTouch[®], IntelliTouch[®] and SunTouch[®] control systems)



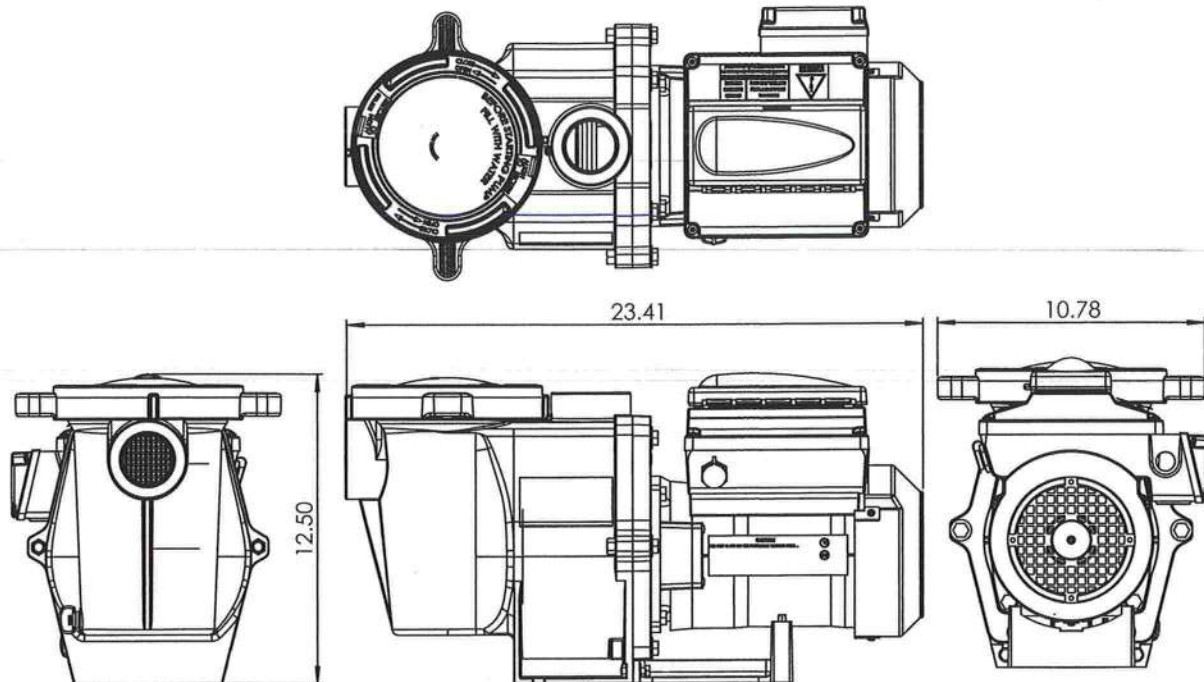
Installation and User's Guide



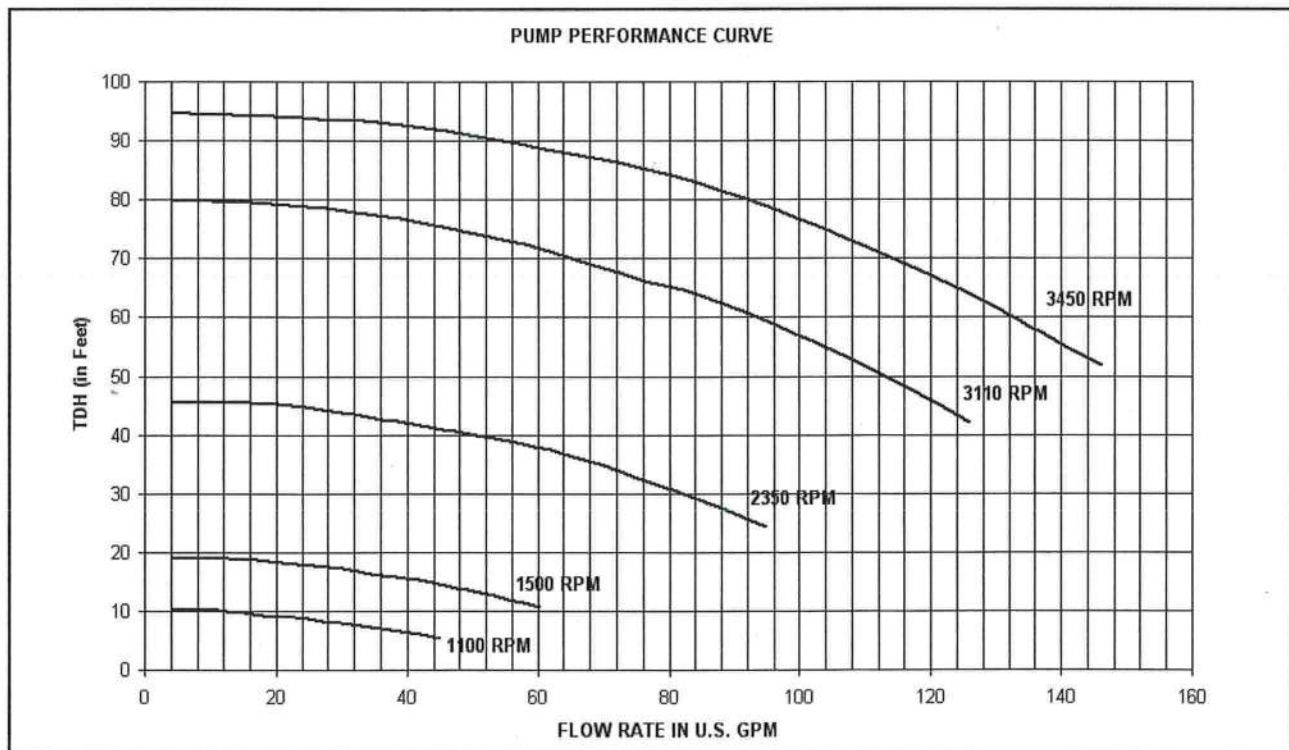
IMPORTANT SAFETY INSTRUCTIONS
READ AND FOLLOW ALL INSTRUCTIONS
SAVE THESE INSTRUCTIONS



Pump Dimensions



Flow and Power vs Flow Pump Curve



Electrical Specifications

Circuit Protection: Two-pole 20 AMP device at the Electrical Panel.

Input: 230 VAC, 50/60 Hz, 3200 Watts

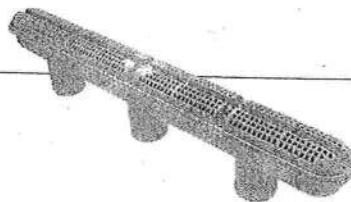
CERTIFICATION OF COMPLIANCE

32" ULTRA STRIP DRAIN: P/N 640-132x V

Contents: 1

Part Number: 640-132x V

Description: Ultra Strip Drain
Size: 32"



Open Area: 37.7 in²
GPM @ 1.5 fps: 175
Floor Flow Rate: 288 GPM @ 2.46 fps (one port center)
Floor Flow Rate: 352 GPM @ 3.01 fps (two ports)
Wall Flow Rate: 232 GPM @ 1.98 fps (one port center)
Wall Flow Rate: 296 GPM @ 2.53 fps (two ports)

NSF



VGB
2008

Date of Manufacture:

NOV 21 2011

This product has been tested to ANSI/ASME 112.19.8-2007 (addendum 8a-2008) per §1404 of the Virginia Graham Baker (VGB 2008) Pool and Spa Safety Act. Certified by: Underwriters Laboratories, Inc., 2929 E. Imperial Highway, Suite 100, Brea, CA 92821-6729

This product is certified to comply with §1404 of the Virginia Graham Baker (VGB 2008) Pool and Spa Safety Act. A copy of the test results for the above may be found at www.waterwayplastics.com or go to www.ul.com. This product is manufactured by Waterway Plastics, Oxnard, CA 93030



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Waterway

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