



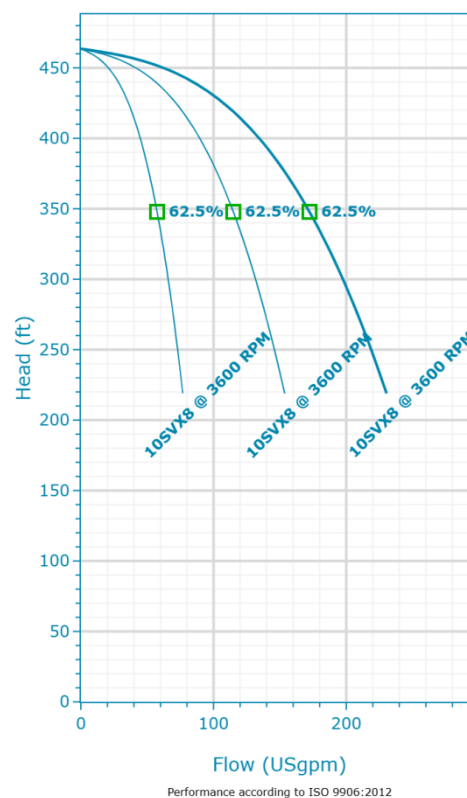
HVXR3D3L-10SVX8RHAXX0-G

Created On: 8/20/25

HVXR3D3L-10SVX8RHAXX0-G | Configuration Summary



Designed to transfer and increase the pressure of clean water, e-HVX & e-HVXR Packaged Booster Systems integrate decades of expertise and know-how in pump technology to bring the right combination of motors, variable speed drive and hydraulic pumps in one comprehensive, highly efficient boosting solution.



PUMP

Model
10SVX8 3600rpm

Installation
Complete Pump

PACKAGED SYSTEM

Number Of Units
Triplex

Suction Type
Pressurized

Header Size
3 in

SEAL

Type of Seal
Type 21

Rotating Face
Carbon

Stationary Face
Silicon Carbide

Elastomers
FKM

STANDARD OPTIONS

Panel Orientation
Left

MOTOR

Frequency (Hz)
60

Power
7.5 hp

Poles
4

Phase (~)
3

Enclosure
TEFC

Voltage
380-480 V

HVXR3D3L-10SVX8RHAXX0-G | Product Details

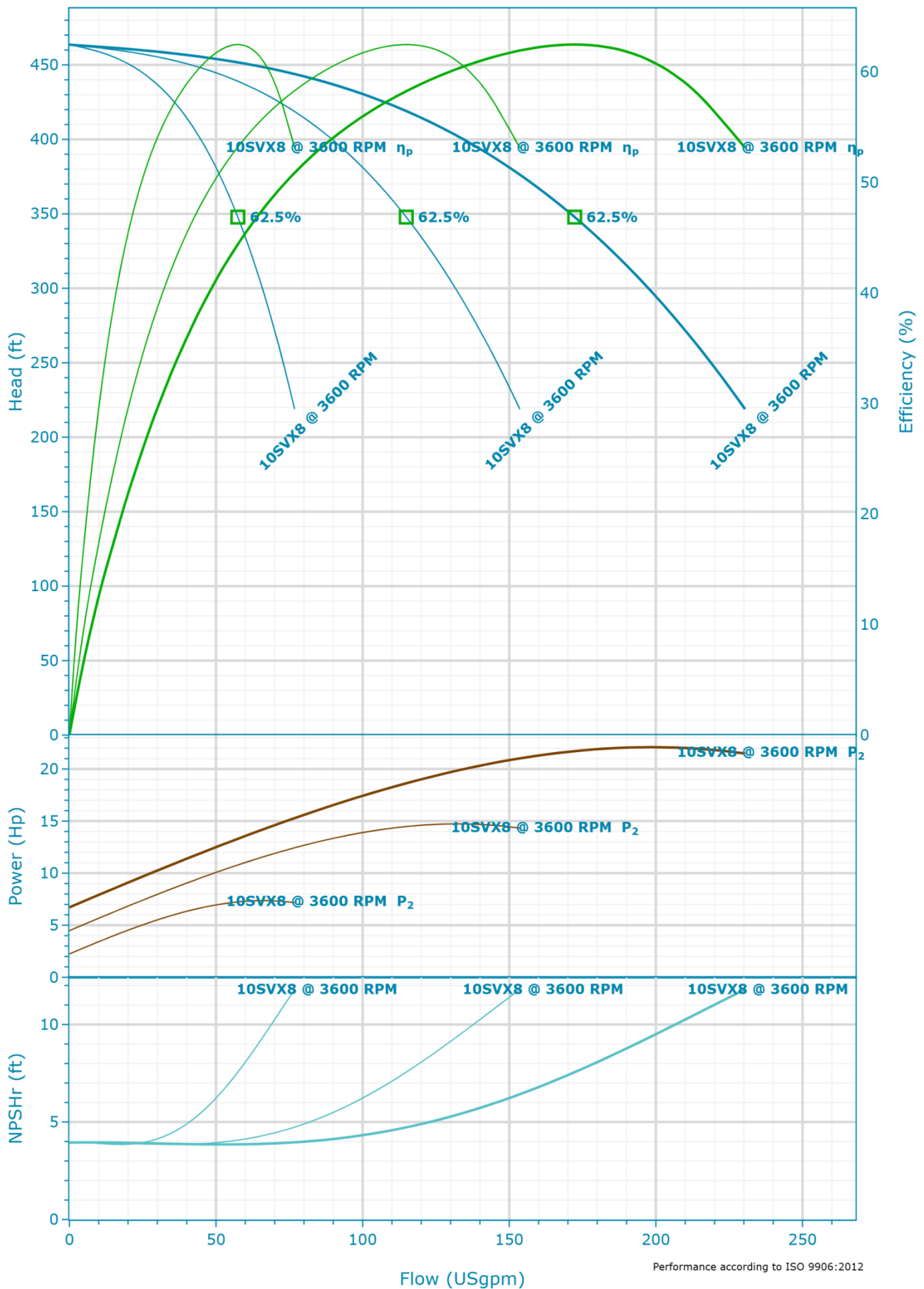
Construction Materials

Pump Body (1) Stainless Steel (AISI 304)	Shaft (5) Stainless Steel (AISI 316)	Seal Plate (9) Stainless Steel (AISI 316L)	Tie Rods (13) Carbon Steel / Zinc Plated (A29 Gr. 1045)
Impeller (2) Stainless Steel (AISI 304)	Adapter (6) Cast Iron (ASTM Class 35/40B)	Coupling Guard (10) Stainless Steel (AISI 304)	Wear Ring (14) PPS
Diffuser (3) Stainless Steel (AISI 304)	Base (7) Aluminum (A384.0-F)	Shaft Sleeve and Bushing (11) Tungsten Carbide	Seal Gland (15) Powder Coated Steel (ASTM A500)
Casing (4) Stainless Steel (AISI 316L)	Coupling (8) Aluminum (A384.0-F)	Fill/Drain Plugs (12) Stainless Steel (AISI 316)	Panel Stand (16) Powder Coated Steel (ASTM A500)

Motor

Enclosure TEFC	Rated Power 7.5 hp	Phase 3	MCA 43.5
Speed 3,600 rpm	Rated Voltage 380-480 V	FLA 40	

HVXR3D3L-10SVX8RHAXX0-G | Hydraulic Data & Performance Curve



Selection

Series	System Type
AQUAFORCE e-HVXR	Multi Pump
Name	Operating Pumps
HVXR3 10SVX8	3
Stages	Standby Pumps
8	No Standby Pump
Frequency	
60 Hz	
Suction Type	
Pressurized	
Station Losses	
5.00 psi	
Acceptance Grade	
Manufacturer's Standard	

Fluid

Fluid Type	Density
Water	62.428 lb/ft ³
Fluid Temperature	Dynamic Viscosity
39.2 °F	1.567212 cP
Specific Gravity	Fluid Vapor Pressure
1	0.118 psi

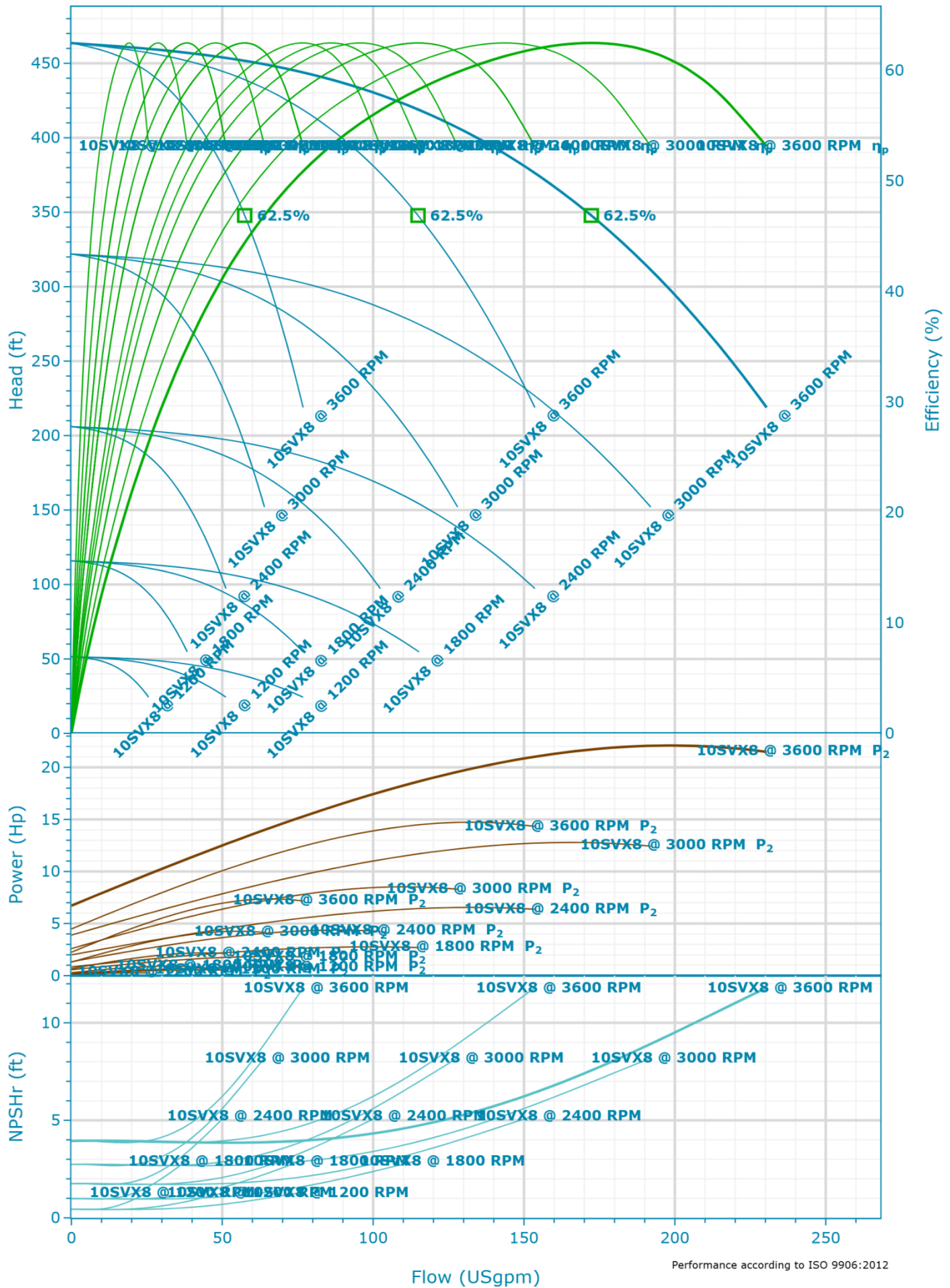
Design Curve - Single Pump

Rated Speed	BEP Flow (1x)
3,600 RPM	57.44 USgpm
Max Flow (1x)	BEP Head (1x)
76.8 USgpm	347.8 ft
H@QMin (1x)	Max Operating Pressure (1x)
463.6 ft	200.69 psi
H@QMax (1x)	Max P2 (1x)
218.9 ft	7.37 Hp
BEP (1x)	
62.5 %	

Design Curve - System

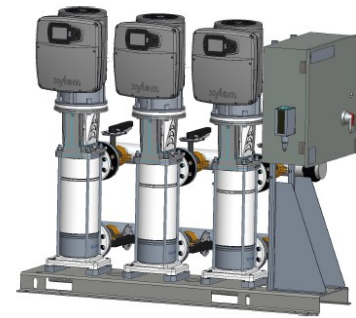
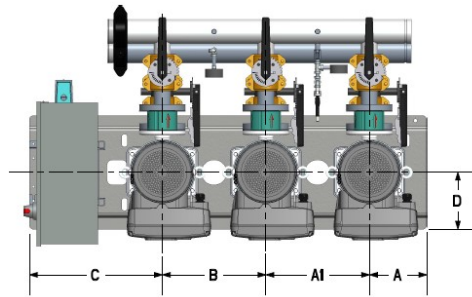
Rated Speed	BEP Flow
3,600 RPM	172.31 USgpm
Max Flow	BEP Head
230.4 USgpm	347.8 ft
H@QMin	Max Operating Pressure
463.6 ft	200.69 psi
H@QMax	Max P2
218.9 ft	22.1 Hp
BEP	
62.5 %	

HVXR3D3L-10SVX8RHAXX0-G | Variable Speed Curve

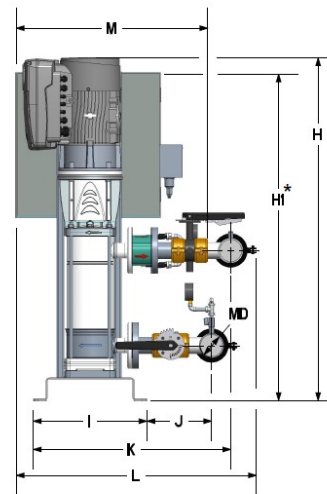
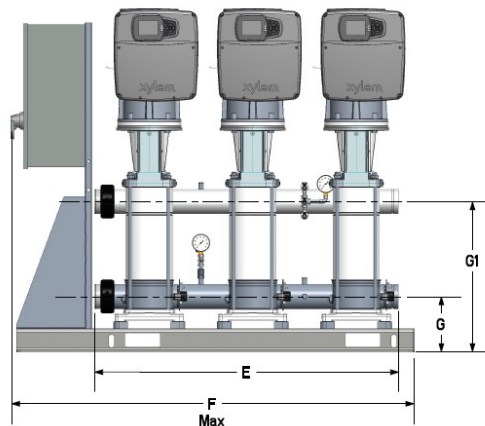


HVXR3D3L-10SVX8RHAXX0-G | Dimensional Data & Drawing

e-HVXR Dimensions
10SVX Triplex Pump
LEFT ORIENTATION



RIGHT ORIENTATION



* Note: If Antenna is put on top of electric panel, Height H1 will be increased by 175" (45mm)

Dimensions

A	D	G1	J
8.125 in	8 in	21 in	9.125 in
A1	E	H	K
14.625 in	42.75 in	46 in	27.75 in
B	F	H1	L
14.625 in	56.625 in	46 in	33.75 in
C	G	I	M
18.75 in	7.75 in	16 in	27 in
MD			
3 in			
Weight			
814 lb			

Company	PFC Equipment
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