



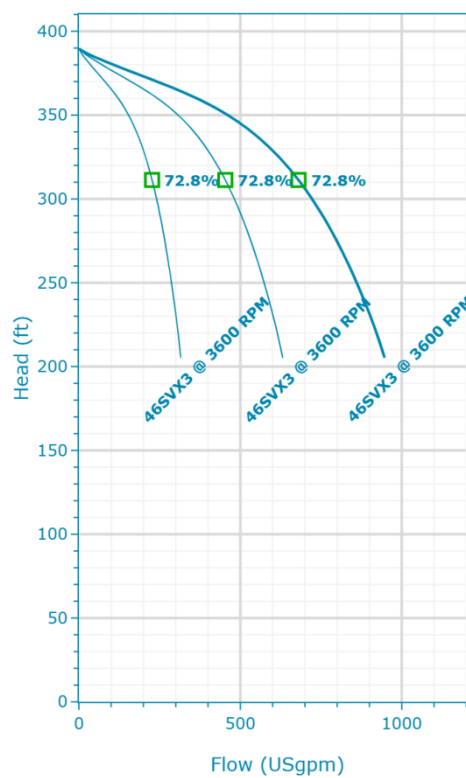
HVX3D6L-46SVX30GMAXX0-G

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HVX3D6L-46SVX30GMAXX0-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
46SVX3 3600rpm

Installation
Complete Pump

PACKAGED SYSTEM

Number Of Units
Triplex

Suction Type
Pressurized

Header Size
6 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
25 hp

Poles
4

Phase (~)
3

Enclosure
TEFC

Voltage
380-480 V

HVX3D6L-46SVX30GMAXX0-G | Product Details

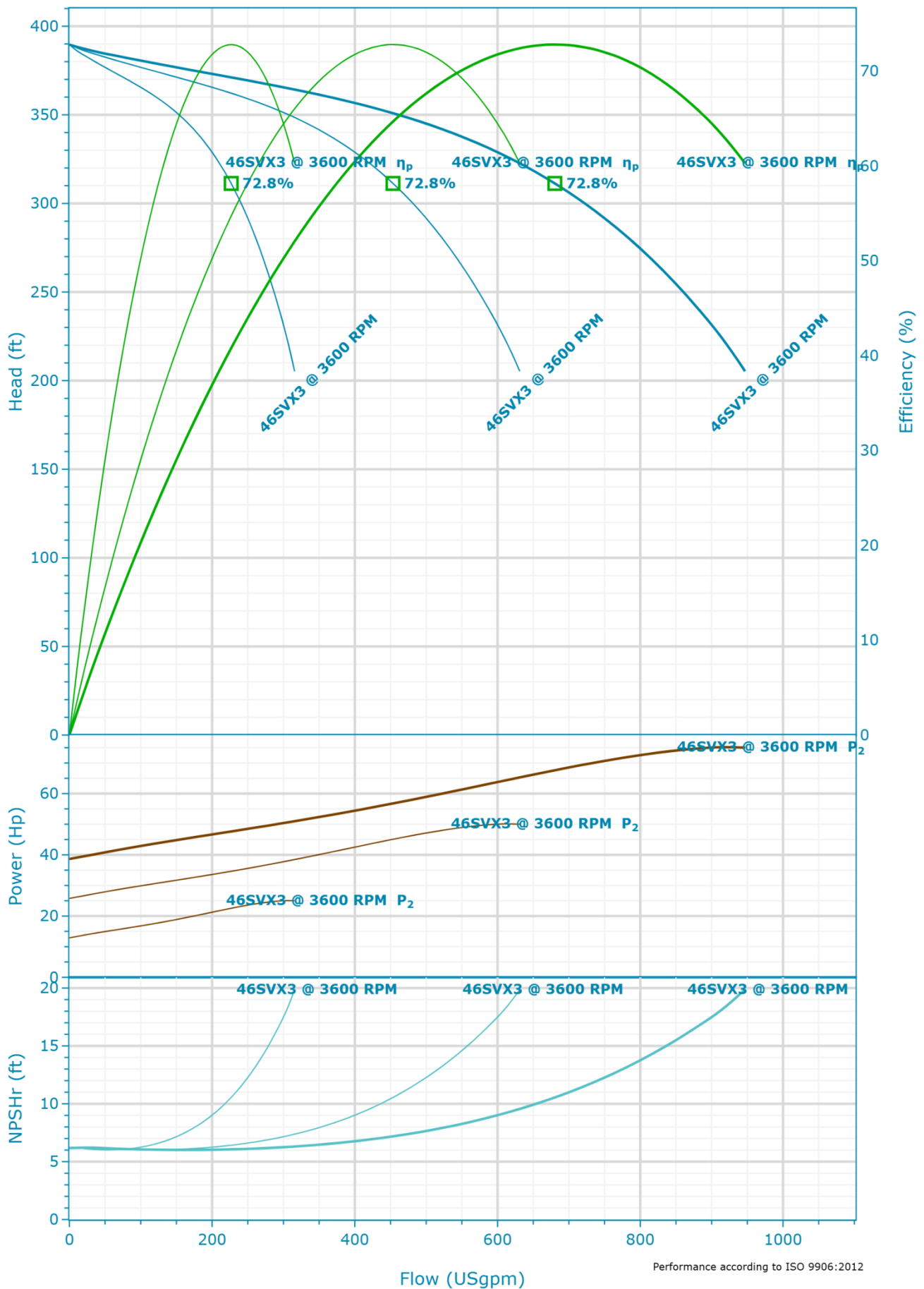
Construction Materials

Pump Body (1) Cast Iron (ASTM Class 35/40B)	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) Powder Coated Steel (HRPO)	Shaft Sleeve and Bushing (11) Tungsten Carbide	Seal Gland (15) Stainless Steel (AISI 316)
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 25 hp	Phase 3	MCA 163.75
Speed 3,600 rpm	Rated Voltage 380-480 V	FLA 151	

HVX3D6L-46SVX30GMAXX0-G | Hydraulic Data & Performance Curve



Selection

Series	System Type
AQUAFORCE e-HVX	Multi Pump
Name	Operating Pumps
HVX3 46SVX3	3
Stages	Standby Pumps
3	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

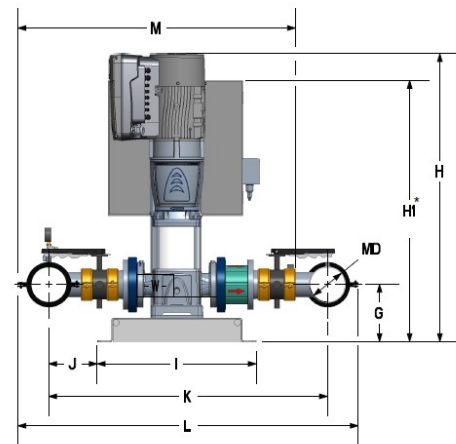
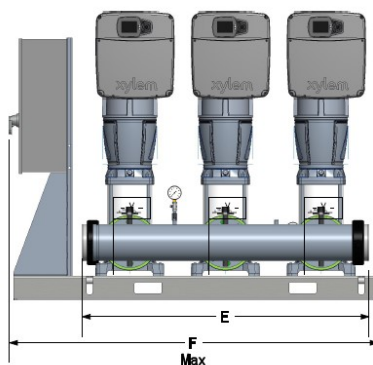
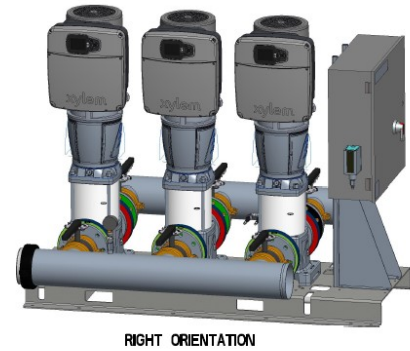
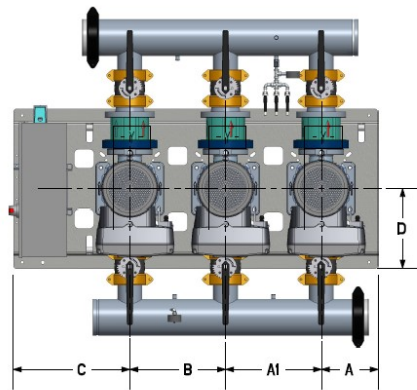
Rated Speed	BEP Flow (1x)
3,600 RPM	226.75 USgpm
Max Flow (1x)	BEP Head (1x)
315.6 USgpm	311.3 ft
H@QMin (1x)	Max Operating Pressure (1x)
389.6 ft	168.66 psi
H@QMax (1x)	Max P2 (1x)
205.3 ft	25.06 Hp
BEP (1x)	
72.8 %	

Design Curve - System

Rated Speed	BEP Flow
3,600 RPM	680.25 USgpm
Max Flow	BEP Head
946.8 USgpm	311.3 ft
H@QMin	Max Operating Pressure
389.6 ft	168.66 psi
H@QMax	Max P2
205.3 ft	75.17 Hp
BEP	
72.8 %	

HVX3D6L-46SVX30GMAXX0-G | Dimensional Data & Drawing

e-HVX Dimensions 46SVX Triplex Pump LEFT ORIENTATION



*Note: If Antenna is put on top of electric panel, Height H1 will be increased by 1.75" [45mm]

Dimensions

A	D	H	K
10.25 in	14.375 in	52 in	50.375 in
A1	E	H1	L
17.375 in	51.875 in	47.25 in	61.5 in
B	F	I	M
17.375 in	66.625 in	28.75 in	50.125 in
C	G	J	MD
21.125 in	10.375 in	8.75 in	6 in
Weight			
2,300 lb			

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