



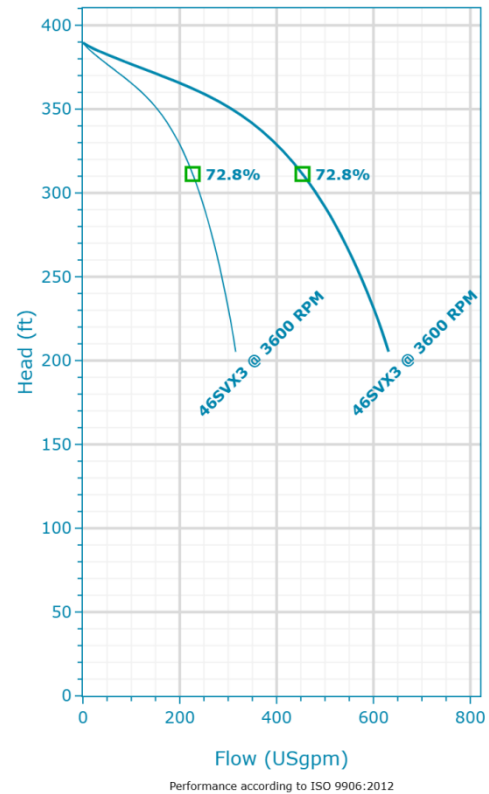
**HVX2D6R-46SVX30GMAXX0-G**

Created On: 7/23/25

## HVX2D6R-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

<b>Number Of Units</b>	<b>Suction Type</b>
Duplex	Pressurized
<b>Header Size</b>	
6 in	

### SEAL

<b>Type of Seal</b>	<b>Rotating Face</b>
Type 21	Carbon
	<b>Stationary Face</b>
	Silicon Carbide
	<b>Elastomers</b>
	FKM

### STANDARD OPTIONS

**Panel Orientation**  
Right

### MOTOR

<b>Frequency (Hz)</b>	<b>Power</b>
60	25 hp
<b>Poles</b>	<b>Phase (~)</b>
4	3
<b>Enclosure</b>	<b>Voltage</b>
TEFC	380-480 V

## HVX2D6R-46SVX30GMAXX0-G | Product Details

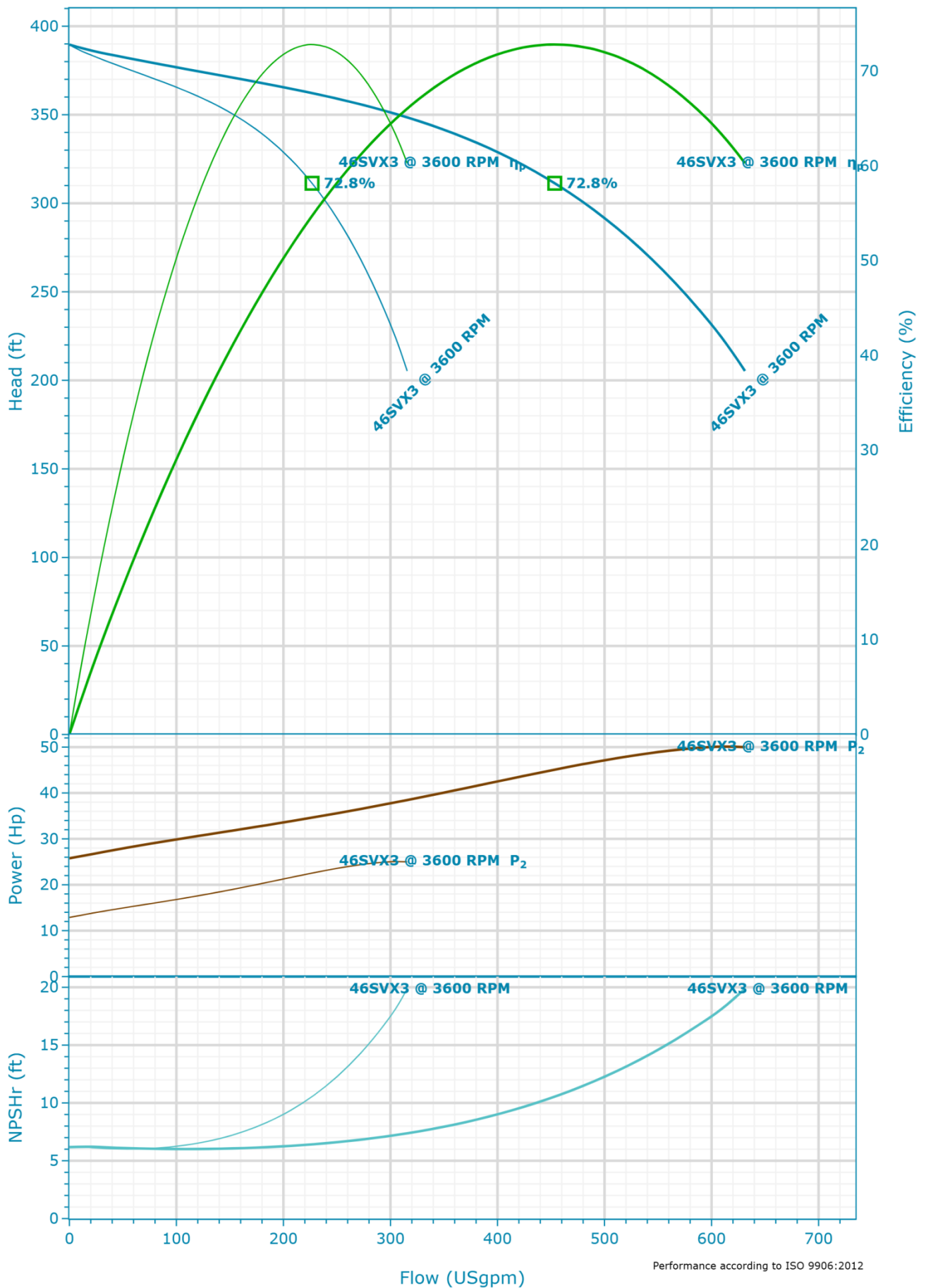
### Construction Materials

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

### Motor

<b>Enclosure</b> TEFC	<b>Rated Power</b> 25 hp	<b>Phase</b> 3	<b>MCA</b> 113.75
<b>Speed</b> 3,600 rpm	<b>Rated Voltage</b> 380-480 V	<b>FLA</b> 101	

## HVX2D6R-46SVX30GMAXX0-G | Hydraulic Data & Performance Curve



### Selection

Series	System Type
AQUAFORCE e-HVX	Multi Pump
Name	Operating Pumps
HVX2 46SVX3	2
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 <sup>3</sup>
Fluid Temperature	Dynamic Viscosity
39.2 °F	1.567212 cP
Specific Gravity	Fluid Vapor Pressure
1	0.118 psi

### Design Curve - Single Pump

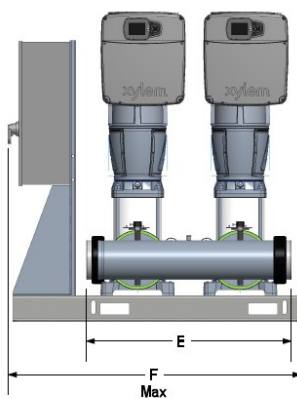
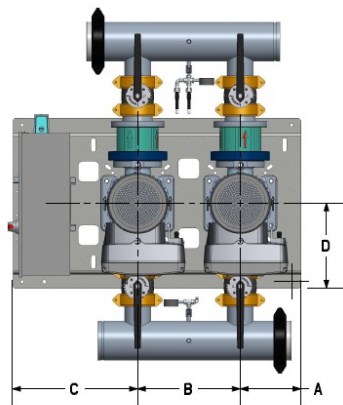
Rated Speed	BEP Flow (1x)
3,600 RPM	226.75 USgpm
Max Flow (1x)	BEP Head (1x)
315.6 USgpm	311.3 ft
H@QMin (1x)	Max Operating Pressure (1x)
389.6 ft	168.66 psi
H@QMax (1x)	Max P2 (1x)
205.3 ft	25.06 Hp
BEP (1x)	
72.8 %	

### Design Curve - System

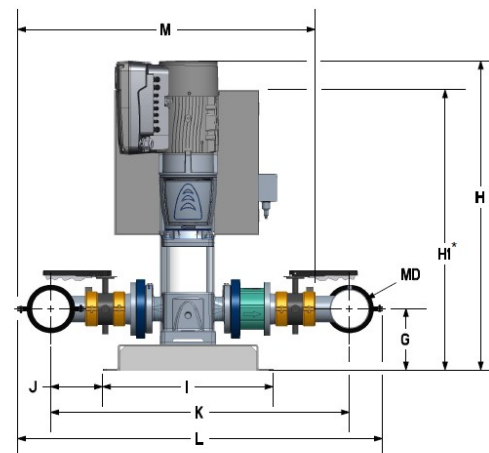
Rated Speed	BEP Flow
3,600 RPM	453.5 USgpm
Max Flow	BEP Head
631.2 USgpm	311.3 ft
H@QMin	Max Operating Pressure
389.6 ft	168.66 psi
H@QMax	Max P2
205.3 ft	50.11 Hp
BEP	
72.8 %	

## HVX2D6R-46SVX30GMAXX0-G | Dimensional Data & Drawing

e-HVX Dimensions  
46SVX Duplex Pump  
LEFT ORIENTATION



RIGHT ORIENTATION



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

### Dimensions

A	E	H1	L
10.25 in	34.5 in	47.25 in	61.5 in
B	F	I	M
17.375 in	49.25 in	28.75 in	50.125 in
C	G	J	MD
21.125 in	10.375 in	8.75 in	6 in
D	H	K	Weight
14.375 in	52 in	50.375 in	1,629 lb

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