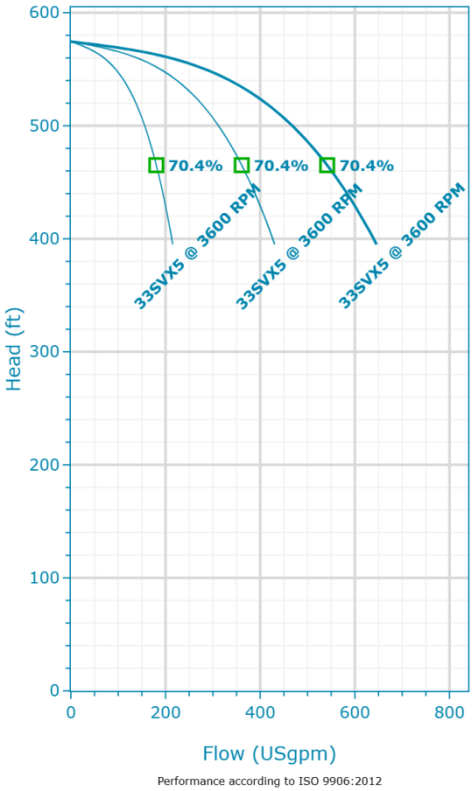
xylem
Let's Solve Water

HVX3D6R-33SVX50GNAXX0-G

Created On: 7/24/25

HVX3D6R-33SVX50GNAXX0-G | Configuration Summary



Performance according to ISO 9906:2012

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
33SVX5 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
Right

MOTOR

Frequency (Hz)
60

Power
30 hp

Poles
4

Phase (~)
3

Enclosure
TEFC

Voltage
380-480 V

HVX3D6R-33SVX50GNAXX0-G | Product Details

Construction Materials

Pump Body (1)
Cast Iron (ASTM Class 35/40B)

Impeller (2)
Stainless Steel (AISI 304)

Diffuser (3)
Stainless Steel (AISI 304)

Casing (4)
Stainless Steel (AISI 316L)

Shaft (5)
Stainless Steel (AISI 316)

Adapter (6)
Cast Iron (ASTM Class 35/40B)

Base (7)
Powder Coated Steel (HRPO)

Coupling (8)
Aluminum (A384.0-F)

Seal Plate (9)
Stainless Steel (AISI 316L)

Coupling Guard (10)
Stainless Steel (AISI 304)

Shaft Sleeve and Bushing (11)
Tungsten Carbide

Fill/Drain Plugs (12)
Stainless Steel (AISI 316)

Tie Rods (13)
Carbon Steel / Zinc Plated (A29 Gr. 1045)

Wear Ring (14)
PPS

Seal Gland (15)
Stainless Steel (AISI 316)

Panel Stand (16)
Powder Coated Steel (ASTM A500)

Motor

Enclosure
TEFC

Speed
3,600 rpm

Rated Power
30 hp

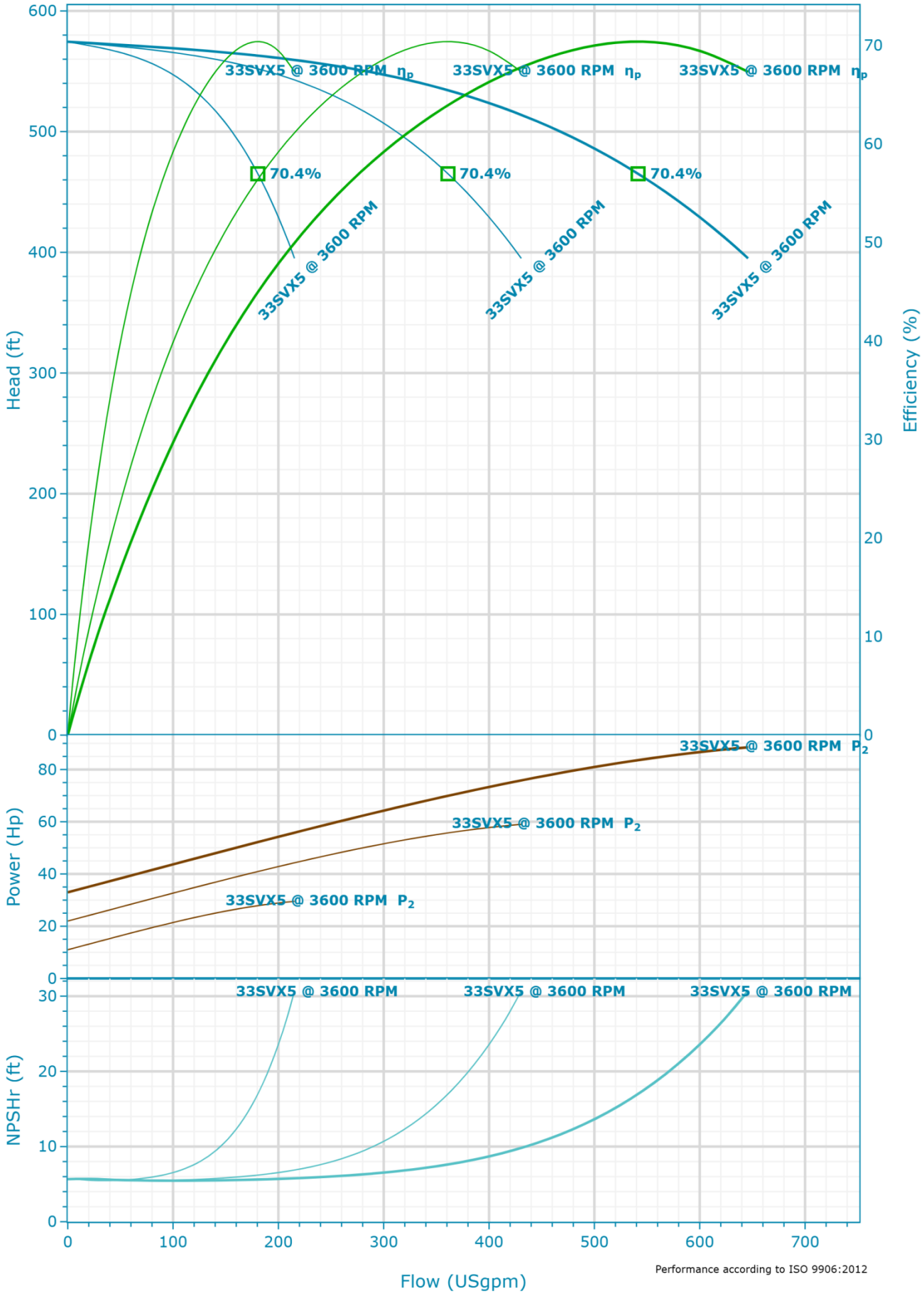
Rated Voltage
380-480 V

Phase
3

FLA
151

MCA
163.75

HVX3D6R-33SVX50GNAXX0-G | Hydraulic Data & Performance Curve



Project:	Created By:	Created On:	Last Update:
HVX3D6R-33SVX50GNAXX0-G	Kelly Kresa	7/24/25	-

Selection

Series
AQUAFORCE e-HVX

Name
HVX3 33SVX5

Stages
5

Frequency
60 Hz

Suction Type
Pressurized

Station Losses
5.00 psi

Acceptance Grade
Manufacturer's Standard

System Type
Multi Pump

Operating Pumps
3

Standby Pumps
No Standby Pump

Fluid

Fluid Type
Water

Fluid Temperature
39.2 °F

Specific Gravity
1

Density
62.428 lb/ft³

Dynamic Viscosity
1.567212 cP

Fluid Vapor Pressure
0.118 psi

Design Curve - Single Pump

Rated Speed
3,600 RPM

Max Flow (1x)
215.3 USgpm

H@QMin (1x)
574.5 ft

H@QMax (1x)
395 ft

BEP (1x)
70.4 %

BEP Flow (1x)
180.5 USgpm

BEP Head (1x)
465.08 ft

Max Operating Pressure (1x)
248.7 psi

Max P2 (1x)
29.5 Hp

Design Curve - System

Rated Speed
3,600 RPM

Max Flow
645.9 USgpm

H@QMin
574.5 ft

H@QMax
395 ft

BEP
70.4 %

BEP Flow
541.49 USgpm

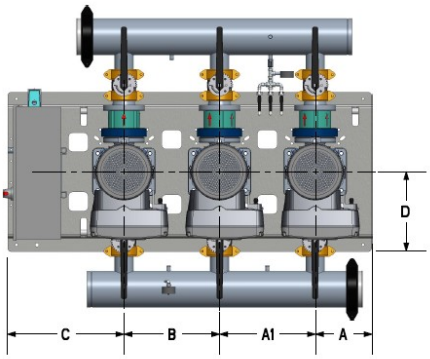
BEP Head
465.08 ft

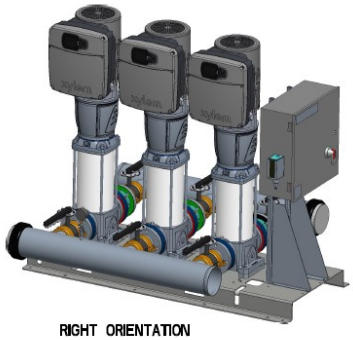
Max Operating Pressure
248.7 psi

Max P2
88.5 Hp

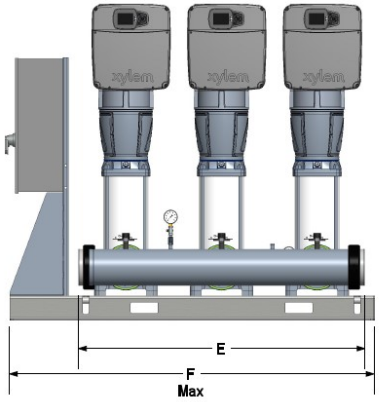
HVX3D6R-33SVX50GNAXX0-G | Dimensional Data & Drawing

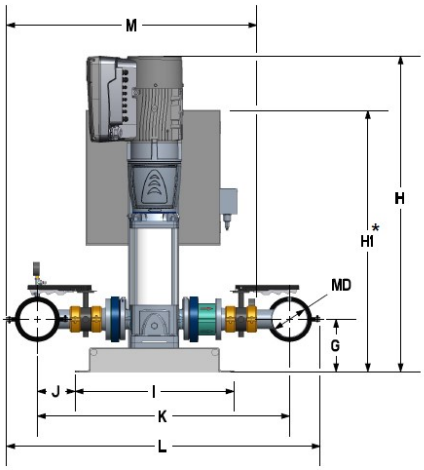
e-HVX Dimensions
33SVX Triplex Pump
LEFT ORIENTATION





RIGHT ORIENTATION





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

Dimensions

A 10.25 in	D 14.375 in	H 57.125 in	K 45.625 in
A1 17.375 in	E 51.875 in	H1 47.25 in	L 56.75 in
B 17.375 in	F 66.625 in	I 28.75 in	M 45.25 in
C 21.125 in	G 9.5 in	J 6.75 in	MD 6 in
Weight 2,222 lb			

Company	PFC Equipment
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Let's Solve Water