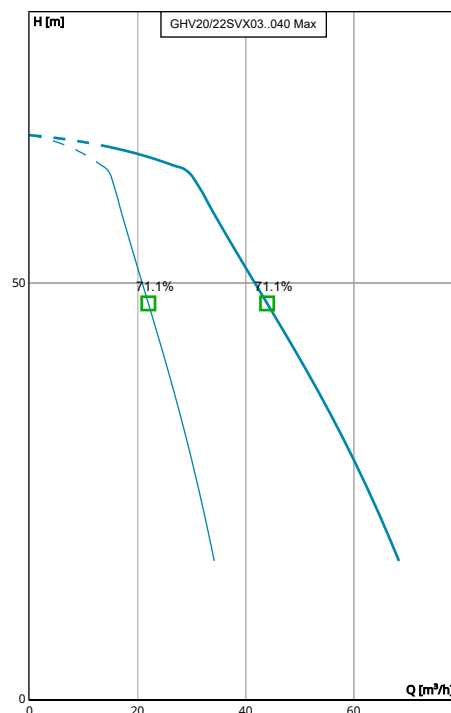


GHV20/22SVX03F040/4 | Configuration Summary



The GHV hydrovar® X series booster sets are fully automatic variable speed solutions for water supply, water pressure increase and water transfer in condominiums, office buildings, hotels, public buildings, industries and other applications.



Performance according to ISO 9906:2012

PUMP

Installation	Pump Size
Non-return valve in Delivery side	22SV03
Hydrovar Name	
hydrovar X+	

MATERIALS

Construction
Standard version

SEAL

Type of Seal	Rotating Face
Mechanical Seals	Silicon Carbide
Name	Stationary Face
Q1BEGG	Carbon
	Elastomers
	EPDM
	Springs
	AISI 316
	Metal Components
	AISI 316

STANDARD OPTIONS

Control Panel with Digital Voltmeter and Ammeter	Include Double Pressure Transmitter
No	No
Condensation Resistance (controlled by Thermostat)	High Pressure Protection Switch
No	No
Include Certified Pump	Control Panel Protection Degree (IP65 version)
No	No
Include Optical Sensor	Control Panel With Emergency

MOTOR

Power
4 kW
Phase (~)
3
Voltage
380-480 V
Control Panel Power Supply
3 PH x 400 V

FLANGE

Flange
[F] = Round Flanges (AISI 304)

VFD

Phase	Supply Voltage
3	400 V

No	Button
Include Protection Against Dry Running	No
No	Aqueduct Installation
Suction Side	No
Standard suction	Control Panel With Phase Missing
Delivery Side	No
Standard delivery	Pressure Transmitters and HYDROVAR® Without Control Panel-Bracket
Control Panel With Timer	No
No	Electric Pump Special Seals
Control Panel Mounting Options	No
Standard Mounting	Wall Mounted Control Panel
Control Panel with Cloud Connect Device	No
No	
IT Neutral	
No	

GHV20/22SVX03F040/4 | Product Details

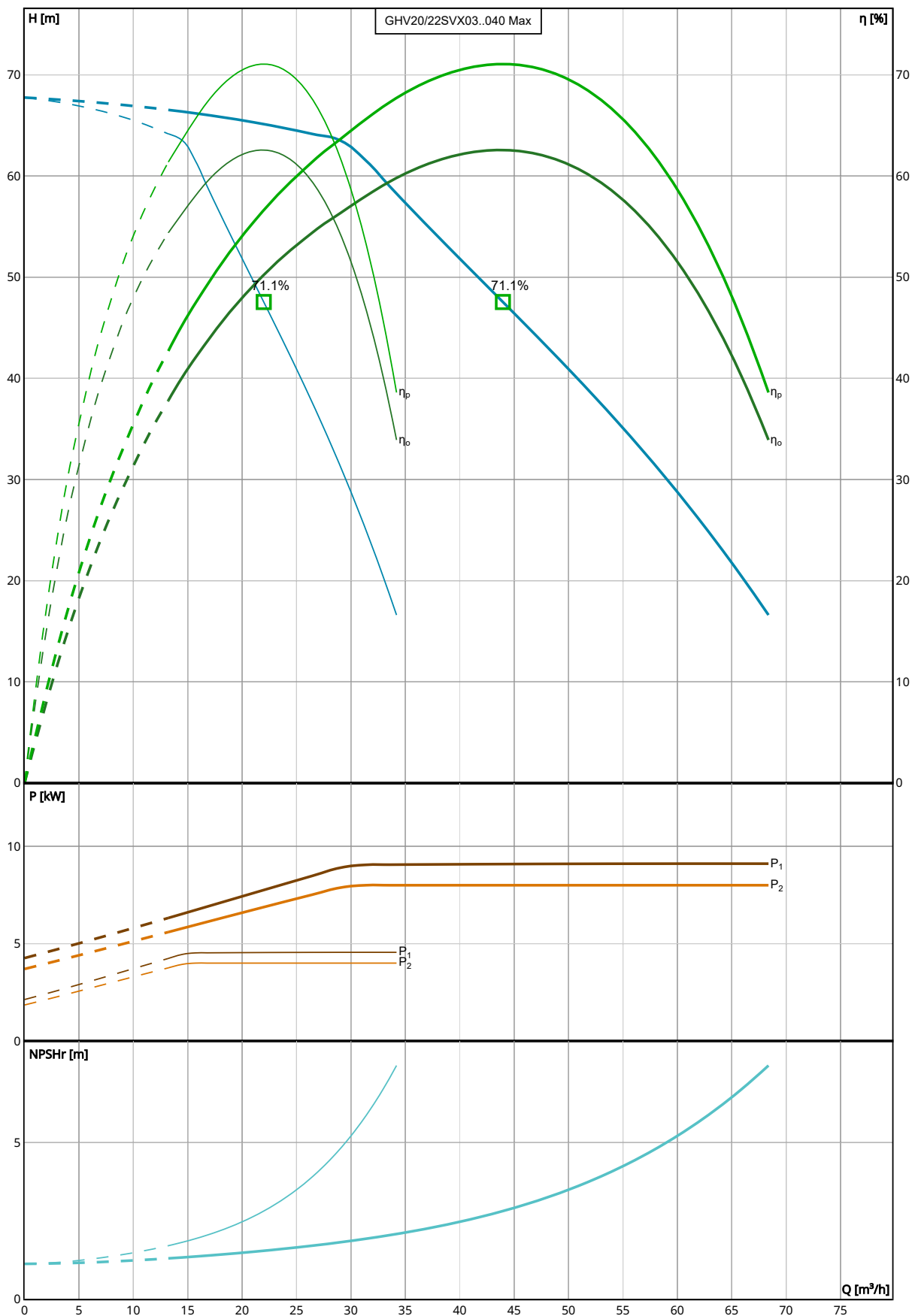
Construction Materials

Manifolds (-) AISI 304	Pressure switches (-) Galvanized steel / AISI 304	Fittings (-) AISI 316	Screws, nuts, washers (-) Galvanized steel
Sliding/Blind Flanges (not in contact with liquid) (-) AISI 304	Pressure transmitters (-) AISI 304	Bracket (-) Painted steel	
On-off valves, threaded (-) Nickel-plated brass	Caps/plugs (-) AISI 304 / 316	Base (-) Painted steel	
Non-return valves, threaded (-) Brass	Welded flanges (contact with liquid) (-) AISI 304	Pressure gauge (-) Water Connection: brass Cover: ABS Fluid: -	

Motor

Motor Name EXM112B14SV/4.040B	Rated power 4 kW	Enclosure IP 55	ICL F
Phase 3	IE Class IE5	Frame Size 112	Standard IEC
Voltage 380-480 V	Motor Vendor Xylem		
Speed 3600.0 rpm			
Rated Current 7.73 A			

GHV20/22SVX03F040/4 | Hydraulic Data & Performance Curve



Performance according to ISO 9906:2012

Selection

Series	System Type
GHV hydrovar X e-SV	Multi Pump
Name	Operating Pumps
GHV20/22SVX03..040	2
Stages	Standby Pumps
3	No Standby Pump
Frequency	
50 Hz	
Suction Type	
Pressurized	
Station Losses	
344.74 mbar	
Acceptance Grade	
Manufacturer's Standard	

Fluid and Operating Conditions

Fluid Type	Density
Water	1,000 kg/m ³
Fluid Temperature	Dynamic Viscosity
4 °C	0.002 Pa·s
Specific Gravity	Fluid Vapor Pressure
1	8.14 mbar
	Atmospheric Pressure
	1,013.53 mbar
	Elevation
	0 m
	Ambient Temperature
	20 °C
	NPSH Available
	10.27 m
	Submergence
	0 m

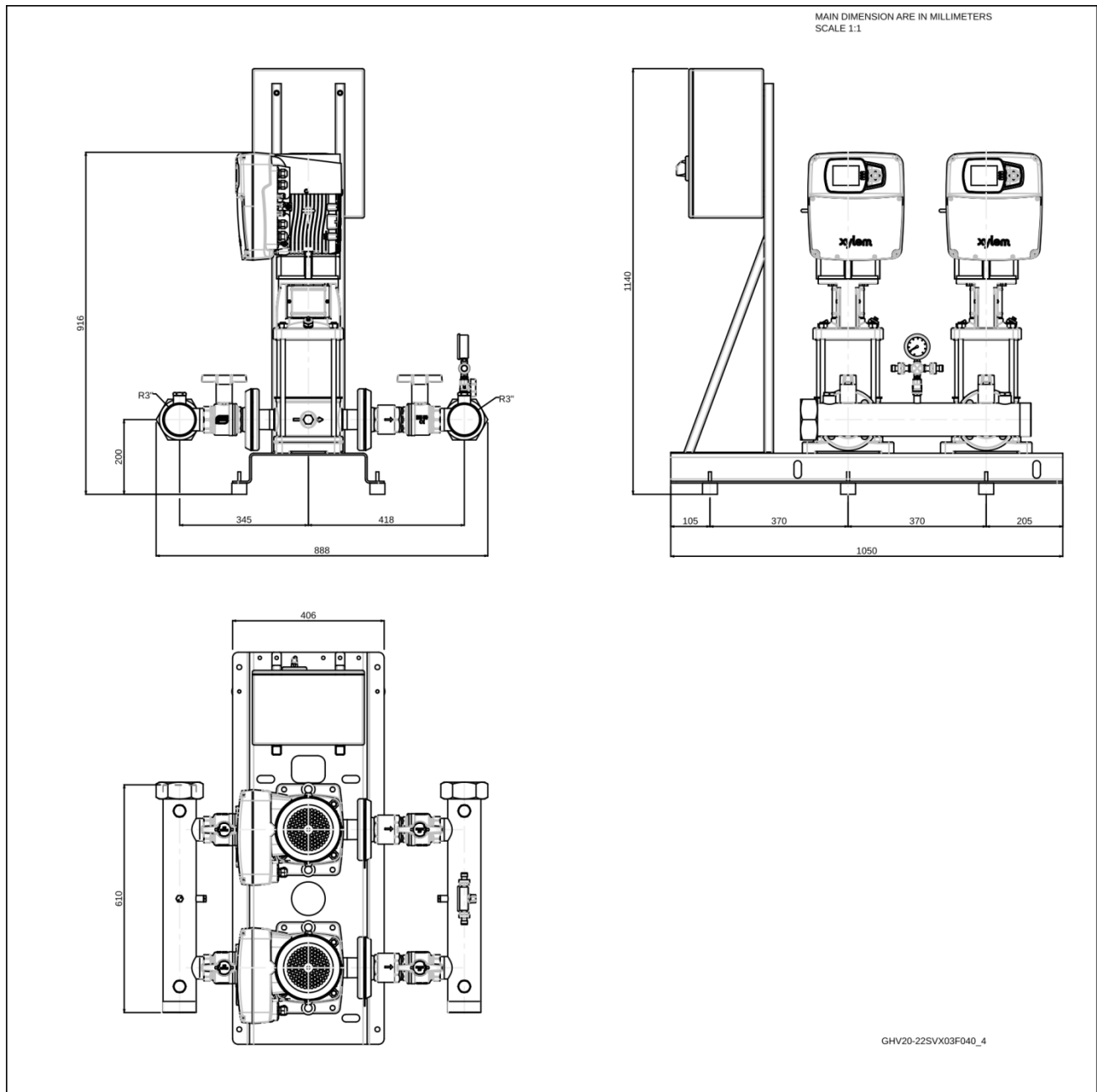
Design Curve - Single Pump

Rated Speed	BEP (1x)
3,600 RPM	71.06 %
Min Flow (1x)	BEP Flow (1x)
13.21 m ³ /h	21.98 m ³ /h
Max Flow (1x)	BEP Head (1x)
34.19 m ³ /h	47.54 m
H@QMin (1x)	Max Operating Pressure (1x)
64.16 m	6,634.82 mbar
H@QMax (1x)	Shut Off Head (1x)
16.61 m	67.75 m
	Max P2 (1x)
	4 kW

Design Curve - System

Rated Speed	BEP
3,600 RPM	71.06 %
Min Flow	BEP Flow
13.21 m ³ /h	43.97 m ³ /h
Max Flow	BEP Head
68.38 m ³ /h	47.54 m
H@QMin	Max Operating Pressure
66.53 m	6,634.82 mbar
H@QMax	Shut Off Head
16.61 m	67.75 m
	Max P2
	8.01 kW

GHV20/22SVX03F040/4 | Dimensional Data & Drawing



Drawing is preliminary and is subject to change.

Dimensions

There is no information available for the given configuration.