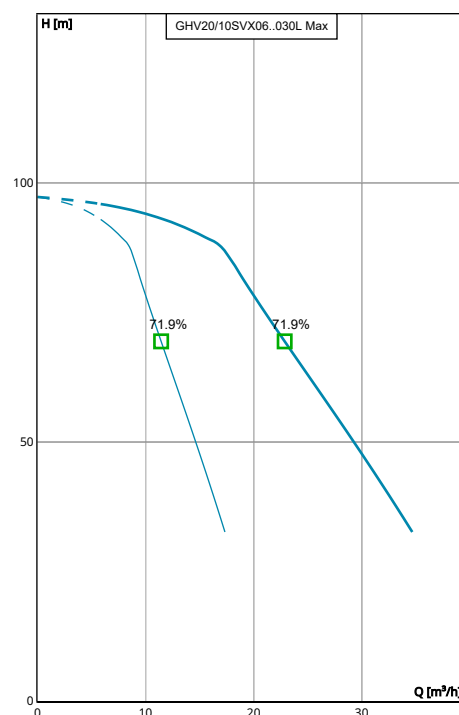


GHV20/10SVX06F030L/4 | Configuration Summary



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	10SV06L
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

Include Certified Pump	High Pressure Protection Switch
No	No
Include Optical Sensor	Control Panel With Phase
No	Missing
Include Protection Against Dry Running	No
No	Pressure Transmitters and HYDROVAR® Without Control
Suction Side	Panel-Bracket
Standard suction	No

MOTOR

Power
3 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

Control Panel with Cloud Connect	Wall Mounted Control Panel
Device	No
No	
IT Neutral	
No	

GHV20/10SVX06F030L/4 | Product Details

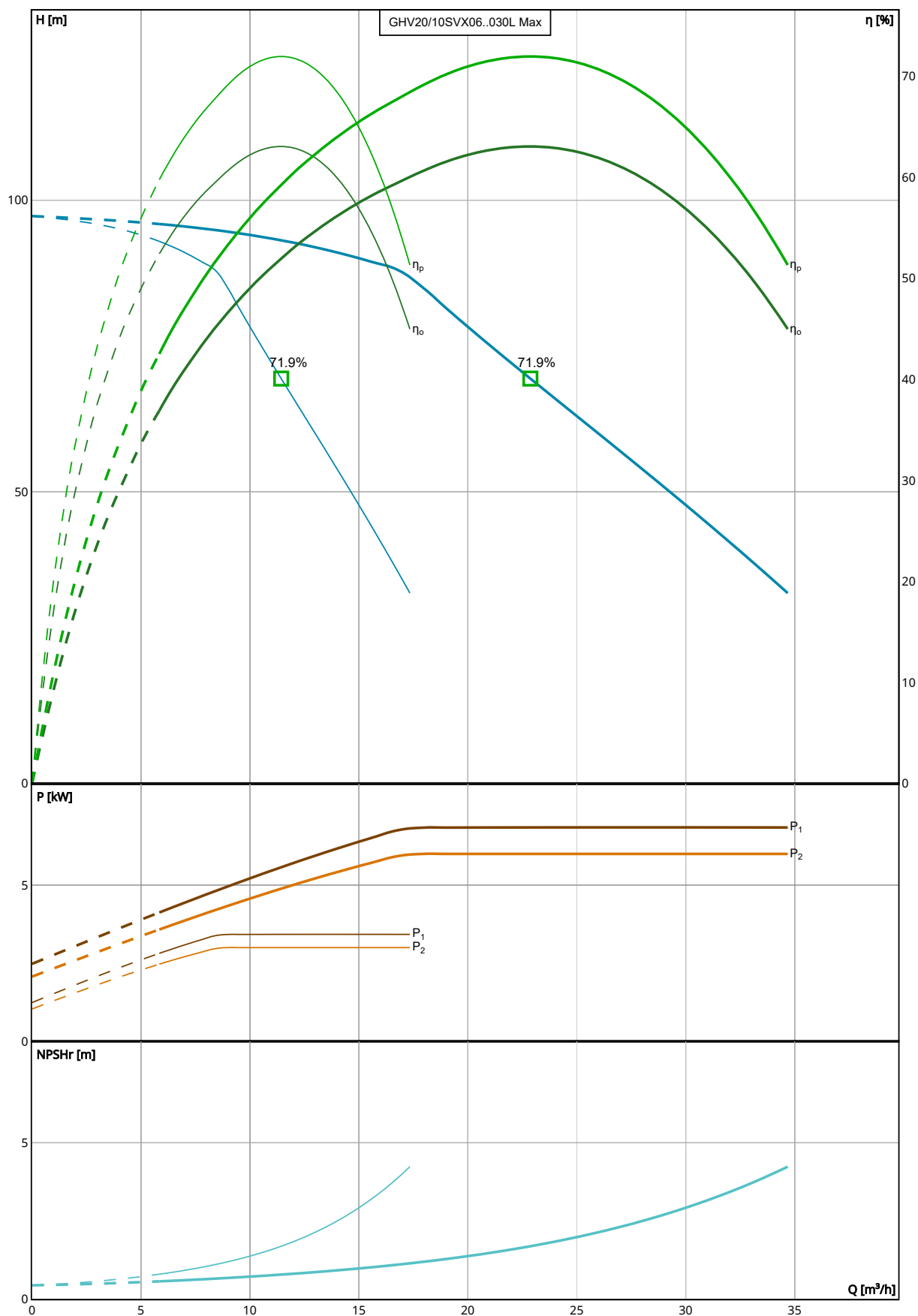
Construction Materials

- Sliding, blind, weld flange	Fittings (-)	Pressure gauge (-)	Screws, nuts, washers (-)
- Pump counterflange (-)	AISI 316	Water connection: Brass	AISI 316
AISI 304	Manifolds (-)	Cover ABS	Vacuum pressure gauge (-)
Base (-)	AISI 304	Fluid: -	Water connection: Brass
Painted steel	Non-return valves, threaded (-)	Pressure switches (-)	Cover ABS
Bracket (-)	Body: Brass	Galvanized steel / AISI 304	Fluid: glycol
Painted steel	Shutter: Brass	Pressure transmitters (-)	
Caps/plugs (-)	On-off valves, threaded (-)	AISI 304	
AISI 316	Nickel plated brass	Pump flange (-)	
		F/R	

Motor

Motor Name	Rated power	Enclosure	ICL
EXM100B14SV/4.030B	3 kW	IP 55	F
Phase	IE Class	Frame Size	Standard
3	IE5	100	IEC
Voltage	Motor Vendor		
380-480 V	Xylem		
Speed			
3600.0 rpm			
Rated Current			
6.74 A			

GHV20/10SVX06F030L/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
GHV20/10SVX06..030L	2
Stages	Standby Pumps
6	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

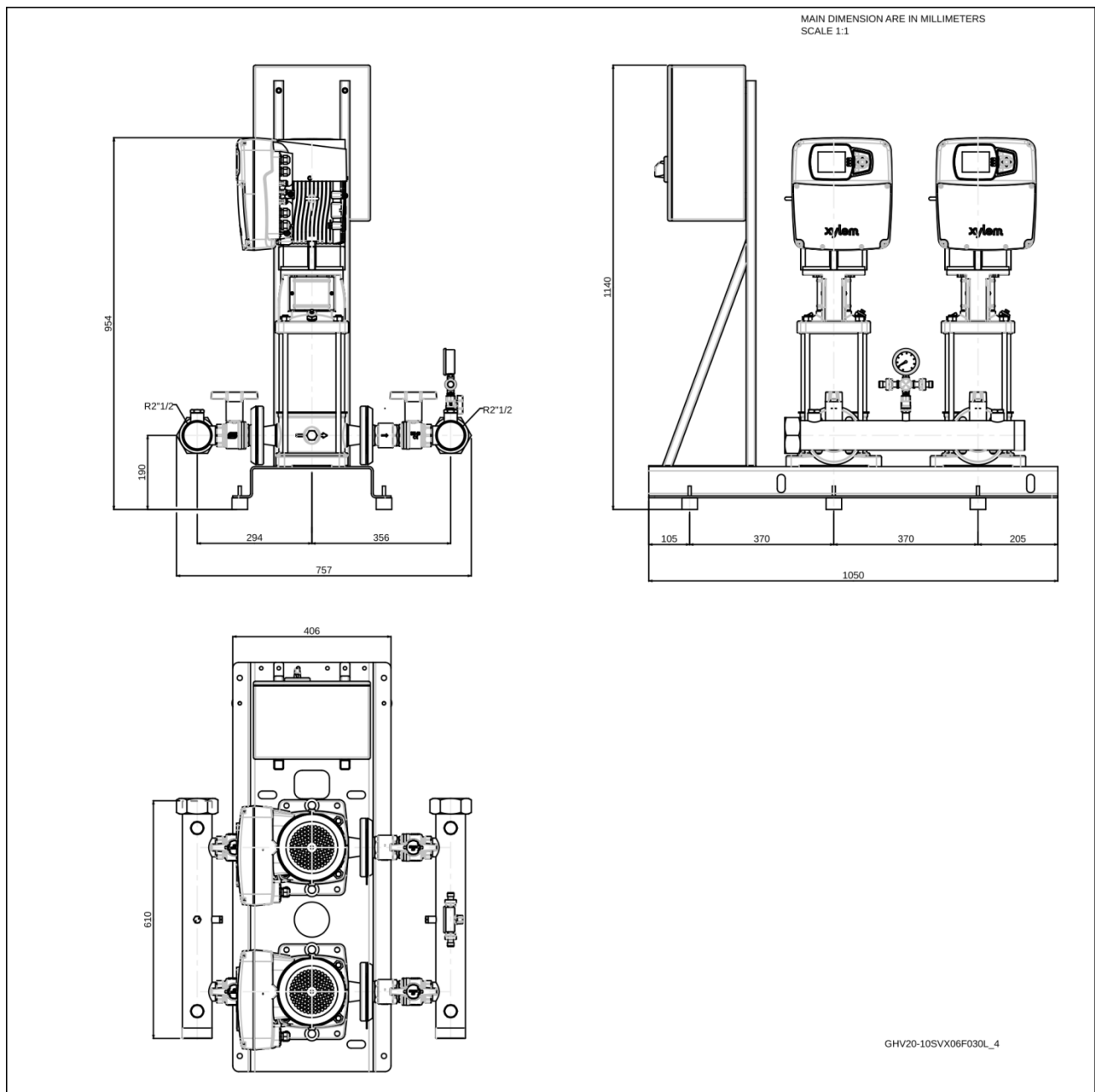
Design Curve - Single Pump

Rated Speed	BEP (1x)
3,450 RPM	71.95 %
Min Flow (1x)	BEP Flow (1x)
5.84 m ³ /h	11.43 m ³ /h
Max Flow (1x)	BEP Head (1x)
17.34 m ³ /h	69.42 m
H@QMin (1x)	Max Operating Pressure (1x)
92.94 m	9,525.29 mbar
H@QMax (1x)	Shut Off Head (1x)
32.66 m	97.27 m
	Max P2 (1x)
	3 kW

Design Curve - System

Rated Speed	BEP
3,450 RPM	71.95 %
Min Flow	BEP Flow
5.84 m ³ /h	22.87 m ³ /h
Max Flow	BEP Head
34.68 m ³ /h	69.42 m
H@QMin	Max Operating Pressure
95.91 m	9,525.29 mbar
H@QMax	Shut Off Head
32.66 m	97.27 m
	Max P2
	6 kW

GHV20/10SVX06F030L/4 | Dimensional Data & Drawing



Drawing is preliminary and is subject to change.

Dimensions

There is no information available for the given configuration.