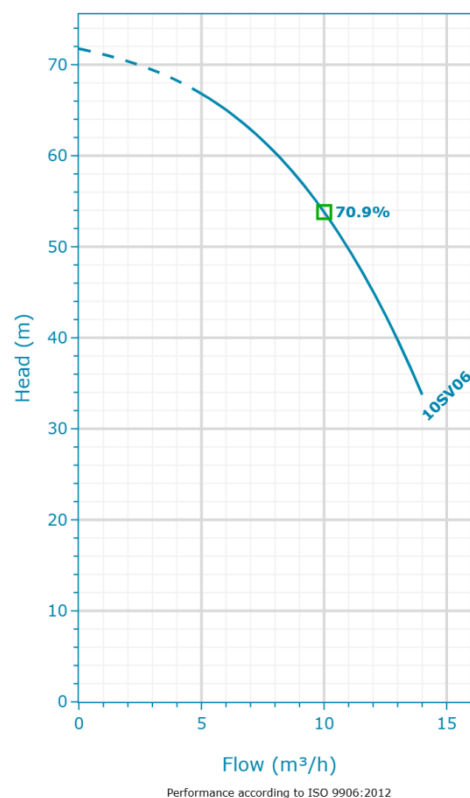


GHV10/10SV06F022T/2 | Configuration Summary



Variable speed booster sets assembled with two up to four pumps. The frequency converter (hydrovar) is installed on each pump. The pumps used are the eSV model.



PUMP

Installation	Pump Size
Non-return valve in Delivery side	10SV06

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
	Min Temperature
	-30.0 °C
	Max Temperature
	120.0 °C

STANDARD OPTIONS

Include Certified Pump	Include Double Pressure Transmitter
No	No
Include Protection Against Dry Running	High Pressure Protection Switch
No	No
Without Non-Return Valve	Without Control Devices
No	No

MOTOR

Frequency	Power
50	2.2 kW
Poles	Phase (~)
2	3
	Voltage
	220-240/380-415 V

FLANGE

Flange
[F] = Round Flanges (AISI 304)

VFD

Hydrovar Name	Include Additional Card
HVL2.022 - 1PH 208-240 V	No
Control Panel Power Supply	
1 PH x 230 V	

Electrical Certified Pump

No

Include Control Panel With
Inverter

No

Electric Pump Special Seals

No

Rubber Joints on Suction and
Delivery Manifolds

No

Rubber Joints At Suction and
Delivery

No

Y Filter On Suction Side

No

Control Panel Ready For A Cloud
Connect Device (not included)

No

GHV10/10SV06F022T/2 | Product Details

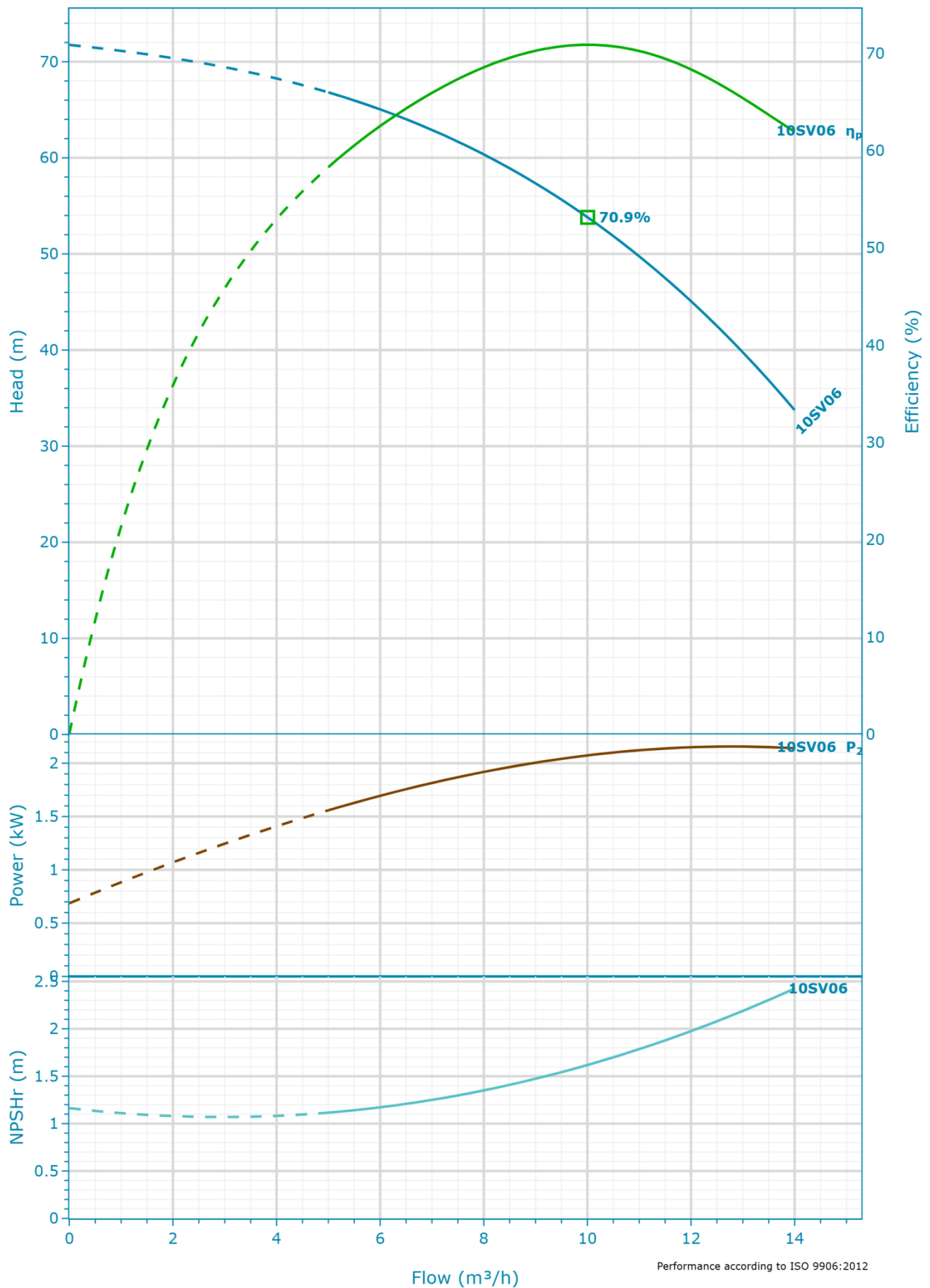
Construction Materials

Base (-) Painted steel	Manifolds (-) AISI 304	Pressure gauge (-) Water Connection: Brass Cover: ABS Fluid: -	Sliding, blind, weld flange Counterflange (-) AISI 304
Bracket (-) Galvanized or painted steel	Miscellaneous (-) AISI 316	Pressure switch (-) Galvanized steel / AISI 304	Vacuum pressure gauge (-) Water Connection: Brass Cover: ABS Fluid: -
Caps/plugs (-) AISI 316	Non-return valves (-) Body: Brass Shutter: Brass	Pressure transmitters (-) AISI 304	
Fittings (-) AISI 316	On-off valves, threaded (-) Nickel-plated brass	Pump flange (-) F, R	

Motor

Motor Name PLM 90 B14 2.2 kW	Phase 3	IE Class IE3	Frame Size 90 L
Design IM B14	Rated power 2.2 kW	Enclosure IP 55	ICL F
Standard IEC	Service Factor 1	Efficiency (%) 86.4	Start Mode Star-delta
Shaft Diameter 24 mm	Voltage 220-240/380-415 V	cos phi 0.8	Motor Vendor PLM
L Shaft 50 mm	Speed 2880.0 rpm	Rated Current 7.9-4.56 A	

GHV10/10SV06F022T/2 | Hydraulic Data & Performance Curve



Selection

Series	Acceptance Grade
GHV	Manufacturer's Standard
Name	System Type
GHV10/10SV06 2900rpm	Multi Pump
Stages	Operating Pumps
6	1
Frequency	Standby Pumps
50 Hz	No Standby Pump
Impeller Diameters	
6x 96 mm	
Suction Type	
Pressurized	
Station Losses	
344.74 mbar	

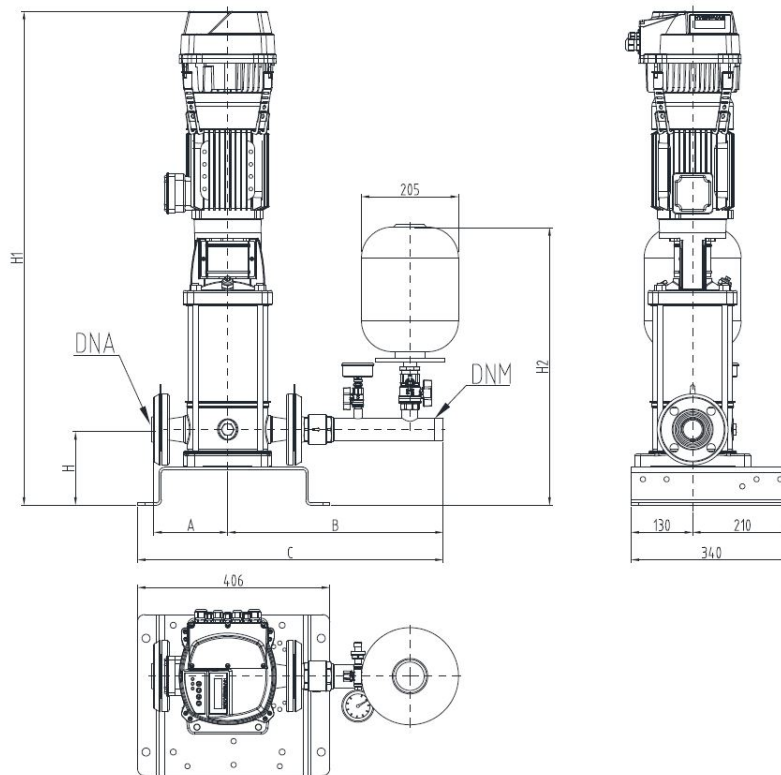
Fluid and Operating Conditions

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 - System

Rated Speed	BEP
2,900 RPM	70.88 %
Min Flow	BEP Flow
5 m ³ /h	10.01 m ³ /h
Max Flow	BEP Head
14 m ³ /h	53.81 m
H@QMin	Max Operating Pressure
66.81 m	7,026.3 mbar
H@QMax	Max P2
33.76 m	2.16 kW

GHV10/10SV06F022T/2 | Dimensional Data & Drawing



GHV10-SV_A_DD

Drawing is preliminary and is subject to change.

Dimensions

A	H1
162 mm	1043 mm
B	H2
455 mm	594 mm
C	DNA (Rp/R/DN)
630 mm	Rp 1 1/2"
H	DNM (Rp/R/DN)
160 mm	R 1 1/2"