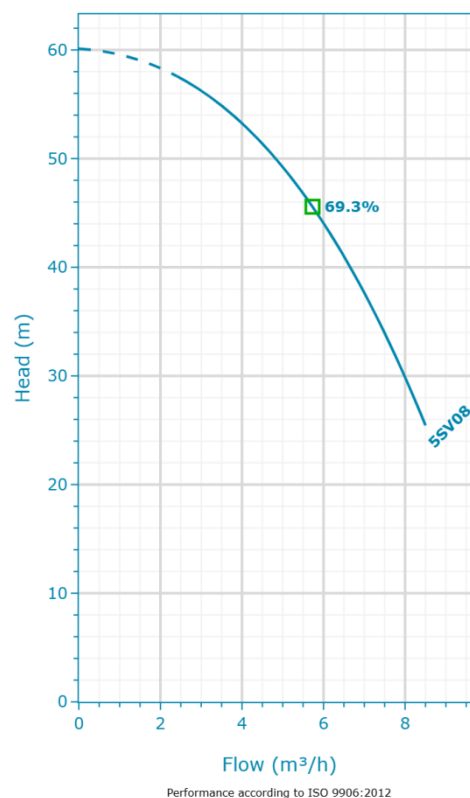


GHV10/5SV08F011T/2 | Configuration Summary



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	5SV08

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	1.1 kW
Poles	Phase (~)
2	3
	Voltage
	220-240/380-415 V

FLANGE

Flange
[F] = Round Flanges (AISI 304)

VFD

Hydrovar Name	Include Additional Card
HVL2.015 - 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

GHV10/5SV08F011T/2 | Product Details

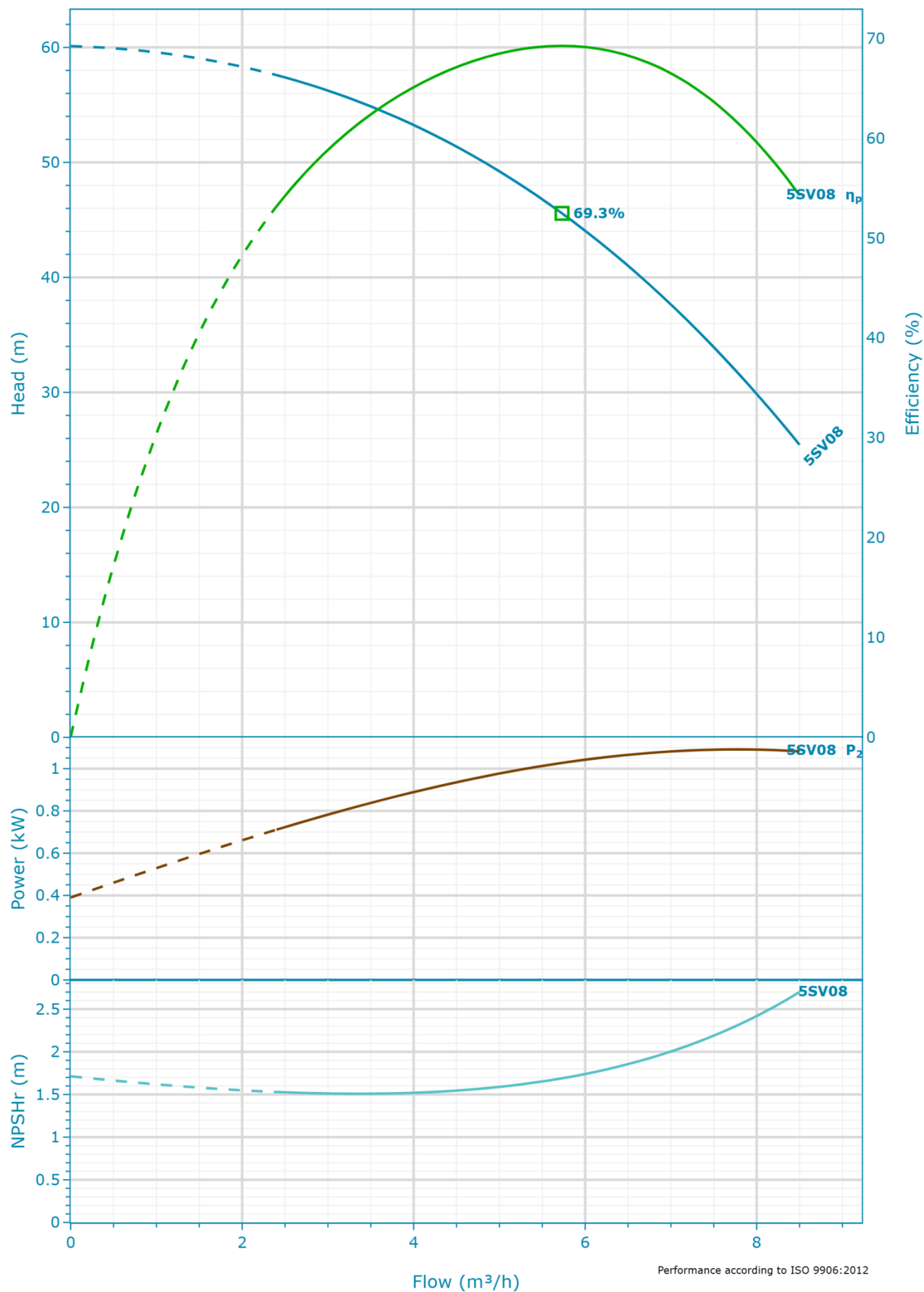
Construction Materials

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 SM 80 B14 1.1 kW	Phase 3	IE Class IE3	Frame Size 80
Design IM B14	Rated power 1.1 kW	Enclosure IP 55	ICL F
Standard IEC	Service Factor 1	Efficiency (%) 84.4	Start Mode Star-delta
Shaft Diameter 19 mm	Voltage 220-240/380-415 V	cos phi 0.79	Motor Vendor SM
L Shaft 40 mm	Speed 2870.0 rpm	Rated Current 4.14-2.39 A	

GHV10/5SV08F011T/2 | Hydraulic Data & Performance Curve



Selection

Series	Acceptance Grade
GHV	Manufacturer's Standard
Name	System Type
GHV10/5SV08 2900rpm	Multi Pump
Stages	Operating Pumps
8	1
Frequency	Standby Pumps
50 Hz	No Standby Pump
Impeller Diameters	
8x 76 mm	
Suction Type	
Pressurized	
Station Losses	
344.74 mbar	

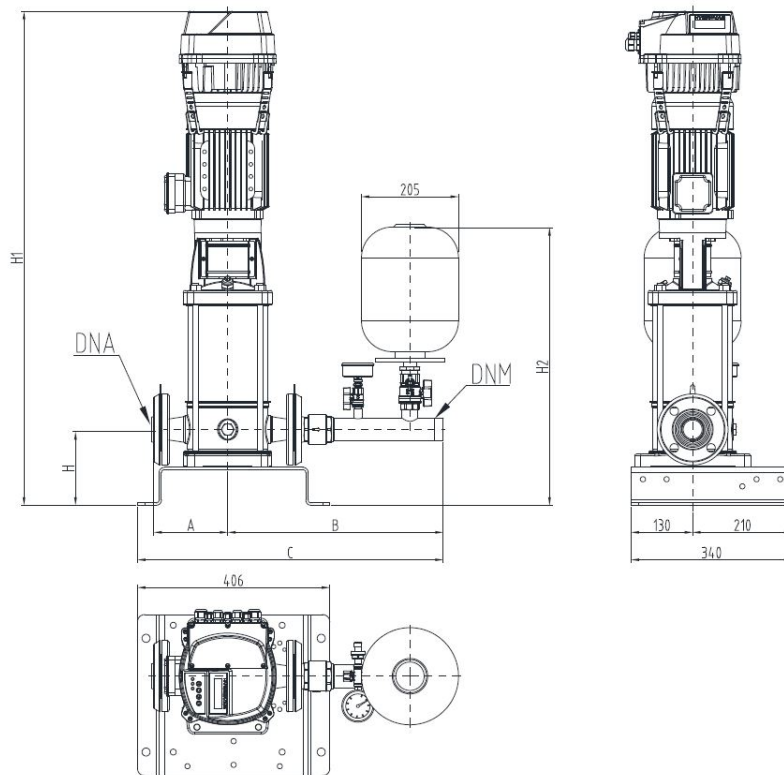
Fluid and Operating Conditions

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	69.27 %
Min Flow	BEP Flow
2.4 m ³ /h	5.73 m ³ /h
Max Flow	BEP Head
8.5 m ³ /h	45.57 m
H@QMin	Max Operating Pressure
57.59 m	5,886.49 mbar
H@QMax	Max P2
25.44 m	1.09 kW

GHV10/5SV08F011T/2 | Dimensional Data & Drawing



Drawing is preliminary and is subject to change.

GHV10-SV_A_00

Dimensions

A	H1
144 mm	941 mm
B	H2
446 mm	586 mm
C	DNA (Rp/R/DN)
621 mm	Rp 1 1/4"
H	DNM (Rp/R/DN)
155 mm	R 1 1/4"