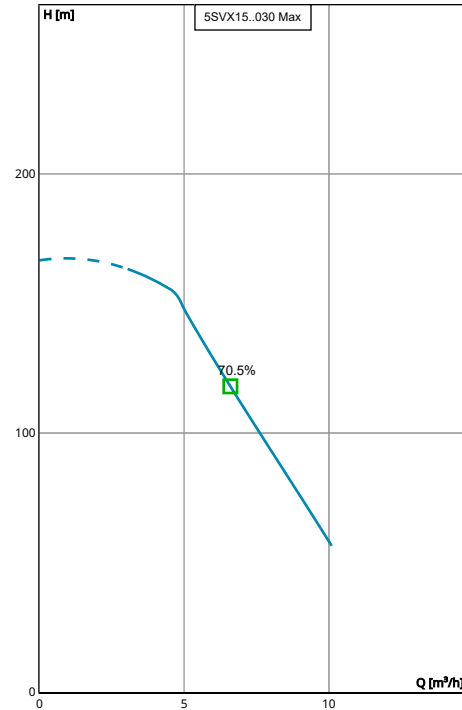


5SVX15N030PT04QBE | Configuration Summary



Take the efficiency and low lifetime costs of e-SV multistage pumps to new levels with hydrovar® X – first-class pump management that optimises connectivity, sustainability and performance. Hydrovar® X brings the best energy efficiency performances with its frequency converter coupled with the ultimate synchronous motor, manufactured by Xylem integrating decades of expertise and know-how in pumping solutions.



Performance according to ISO 9906:2012

PUMP

Installation Complete Pump	Pump Size 5SV
Hydrovar Name hydrovar X+	

MATERIALS

Pump Body Material Stainless Steel (AISI 316L)	Impeller Material Stainless Steel (AISI 316L)
--	---

SEAL

Type of Seal Mechanical Seals	Rotating Face Silicon Carbide
Name Q1BEGG	Stationary Face Resin Impregnated Carbon
	Elastomers EPDM
	Springs AISI 316
	Metal Components AISI 316
	Min Temperature -30.0 °C
	Max Temperature 120.0 °C

STANDARD OPTIONS

Special Configuration
Please Select

MOTOR

Poles 2	Power 3 kW
	Phase (~) 3
	Voltage 380-480 V

FLANGE

Flange
[N] = Round Flanges (AISI 316)

VFD

Phase 3	Supply Voltage 380-480 V
-------------------	------------------------------------

5SVX15N030PT04QBE | Product Details

SV F-N



05920_B_DS

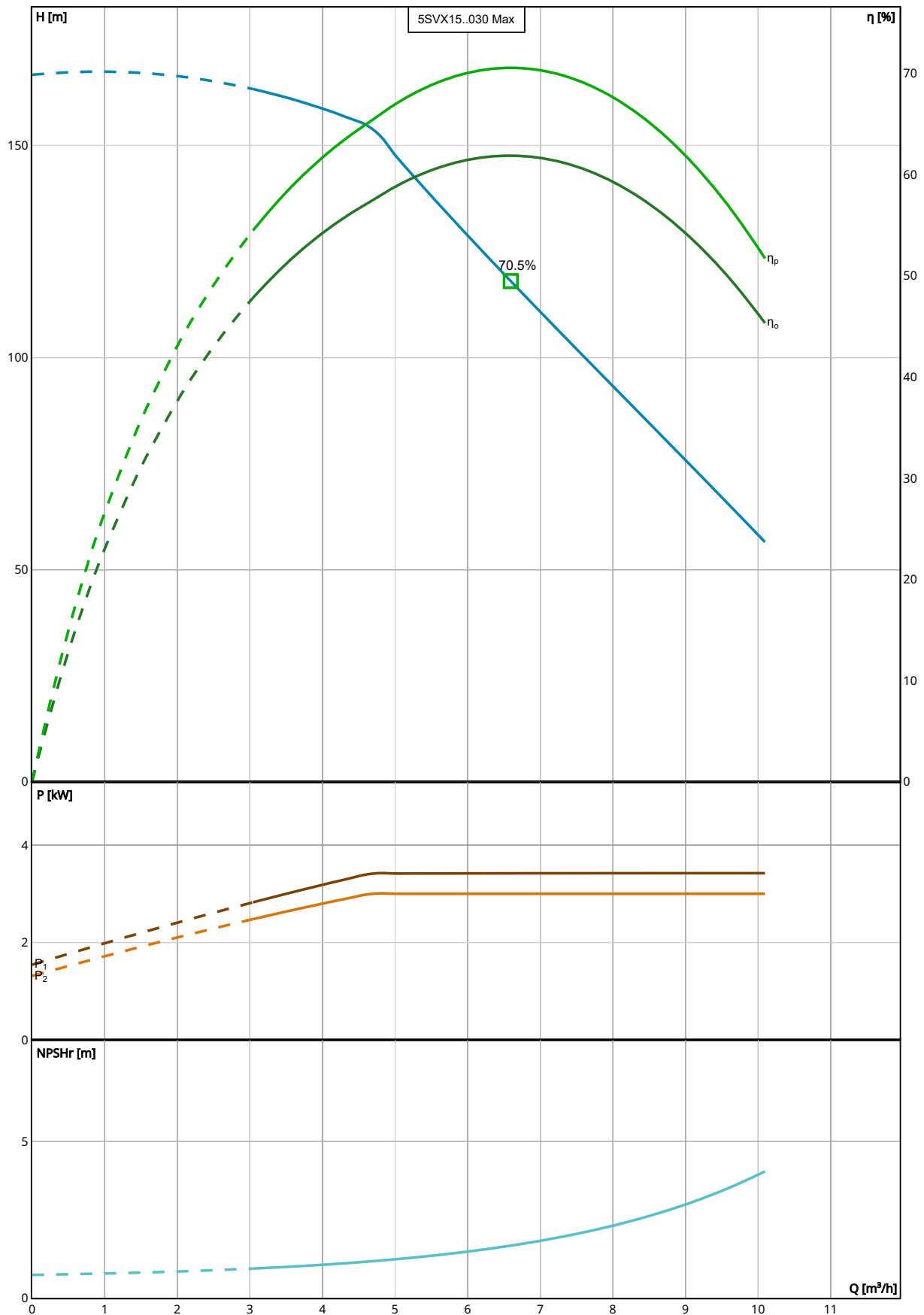
Construction Materials

Pump body (1) Stainless steel / AISI 316L	Shaft (5) Stainless steel / AISI 316	Seal housing (9) Stainless steel / AISI 316L	Shaft sleeve and bushing (13) Tungsten carbide
Impeller (2) Stainless steel / AISI 316L	Adapter (6) Cast Iron / ASTM Class 35	Mechanical seal (10) See Seal section	Fill / Drain plugs (14) Stainless steel / AISI 316
Diffuser (3) Stainless steel / AISI 316L	Base (7) Aluminium	Elastomers (11) See Seal section	Tie rods (15) Stainless steel / AISI 431
Outer sleeve (4) Stainless steel / AISI 316L	Coupling (8) Aluminium	Coupling protection (12) Stainless steel / AISI 304	Wear ring (16) Technopolymer PPS

Motor

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

5SVX15N030PT04QBE | Hydraulic Data & Performance Curve



Performance according to ISO 9906:2012

Selection

Series	Standby Pumps
e-SV hydrovar X	No Standby Pump
Name	
5SVX15..030	
Stages	
15	
Frequency	
50 Hz	
Acceptance Grade	
Manufacturer's Standard	
System Type	
Single Pump	
Operating Pumps	
1	

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

Rated Speed	BEP
3,600 RPM	70.54 %
Min Flow	BEP Flow
3.04 m ³ /h	6.59 m ³ /h
Max Flow	BEP Head
10.09 m ³ /h	118.03 m
H@QMin	Max Operating Pressure
163.3 m	16,391.56 mbar
H@QMax	Max P2
56.52 m	3.01 kW

5SVX15N030PT04QBE | Dimensional Data & Drawing



Drawing is preliminary and is subject to change.

Dimensions

A 180 mm	D2 160 mm	L1 623 mm	L2 339 mm
AB 210 mm	e 75 mm	DN 32 mm	D1 179 mm
B 100 mm	g 25 mm	Weight (Pump) 15.8 kg	A1 289 mm
BB 150 mm	H 250 mm	Total Weight 40.28 kg	A2 256 mm
A3 149 mm			
M 194 mm			