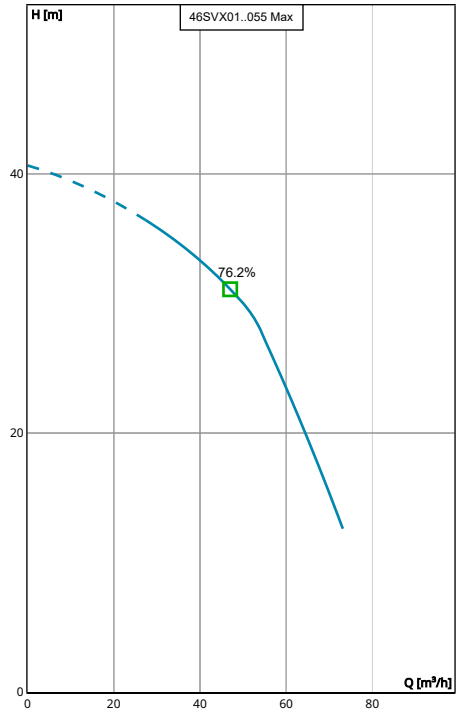
46SVX01N055PT04QBE | Configuration Summary



Performance according to ISO 9906:2012

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.

PUMP

Installation Complete Pump	Pump Size 46SV
Hydrovar Name hydrovar X+	

MATERIALS

Pump Body Material Stainless Steel	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 5.5 kW
	Phase (~) 3
	Voltage 380-480 V

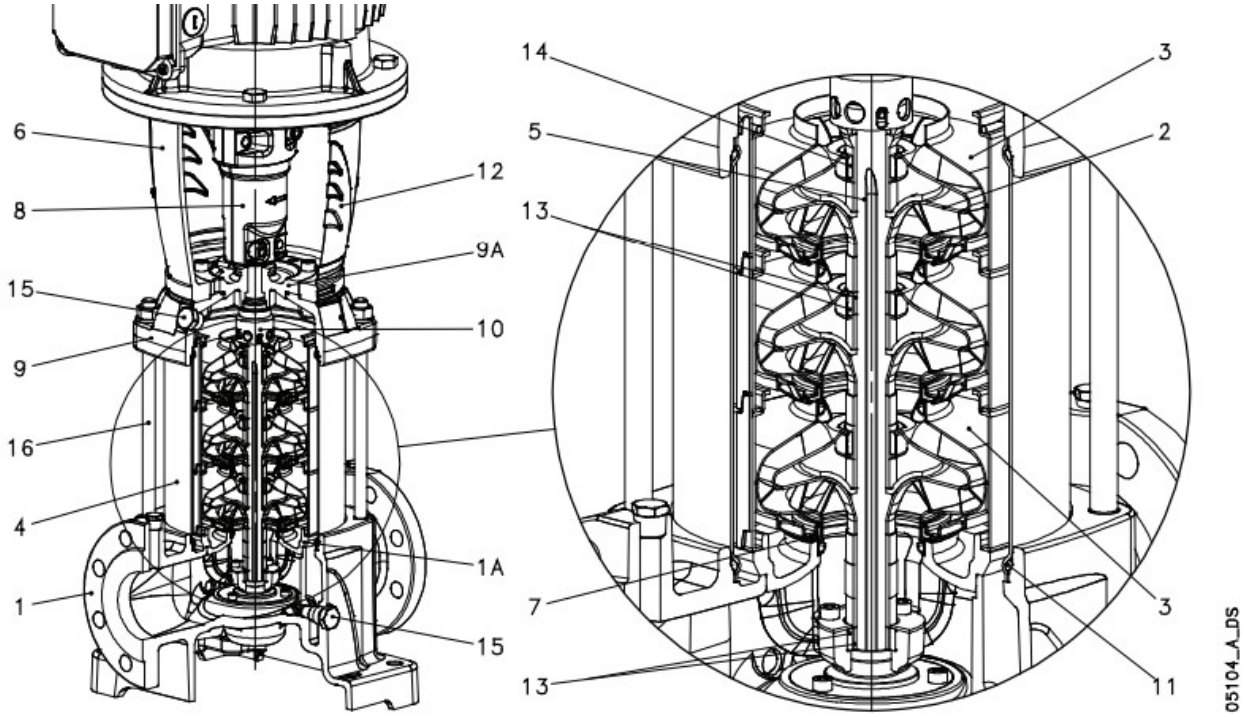
FLANGE

Flange
[N] = Round Flanges (AISI 316)

VFD

Phase 3	Supply Voltage 380-480 V

46SVX01N055PT04QBE | Product Details



Construction Materials

Pump body (1)
Stainless Steel / ASTM CF8M

Outer sleeve (4)
Stainless steel / AISI 316L

Coupling (8)
Cast Iron / ASTM Class 25

Elastomers (11)
See Seal section

Lower support (1A)
Stainless Steel / ASTM CF8M

Shaft (5)
Duplex stainless steel

Upper head (9)
Stainless Steel / ASTM CF8M

Coupling protection (12)
Stainless steel / AISI 304

Impeller (2)
Stainless steel / AISI 316L

Adapter (6)
Cast Iron / ASTM Class 25

Seal housing (9A)
Stainless Steel / ASTM CF8M

Shaft sleeve and bushing (13)
Tungsten carbide

Diffuser (3)
Stainless steel / AISI 316L

Wear ring (7)
Technopolymer PPS

Mechanical seal (10)
See Seal section

Bushing for diffuser (14)
Carbon

Fill / Drain plugs (15)
Stainless steel / AISI 316

Tie rods (16)
Stainless steel / AISI 431

Motor

Motor Name
EXM132B5SV/4.055B

Rated power
5.5 kW

Enclosure
IP 55

ICL
F

Phase
3

IE Class
IE5

Frame Size
132

Standard
IEC

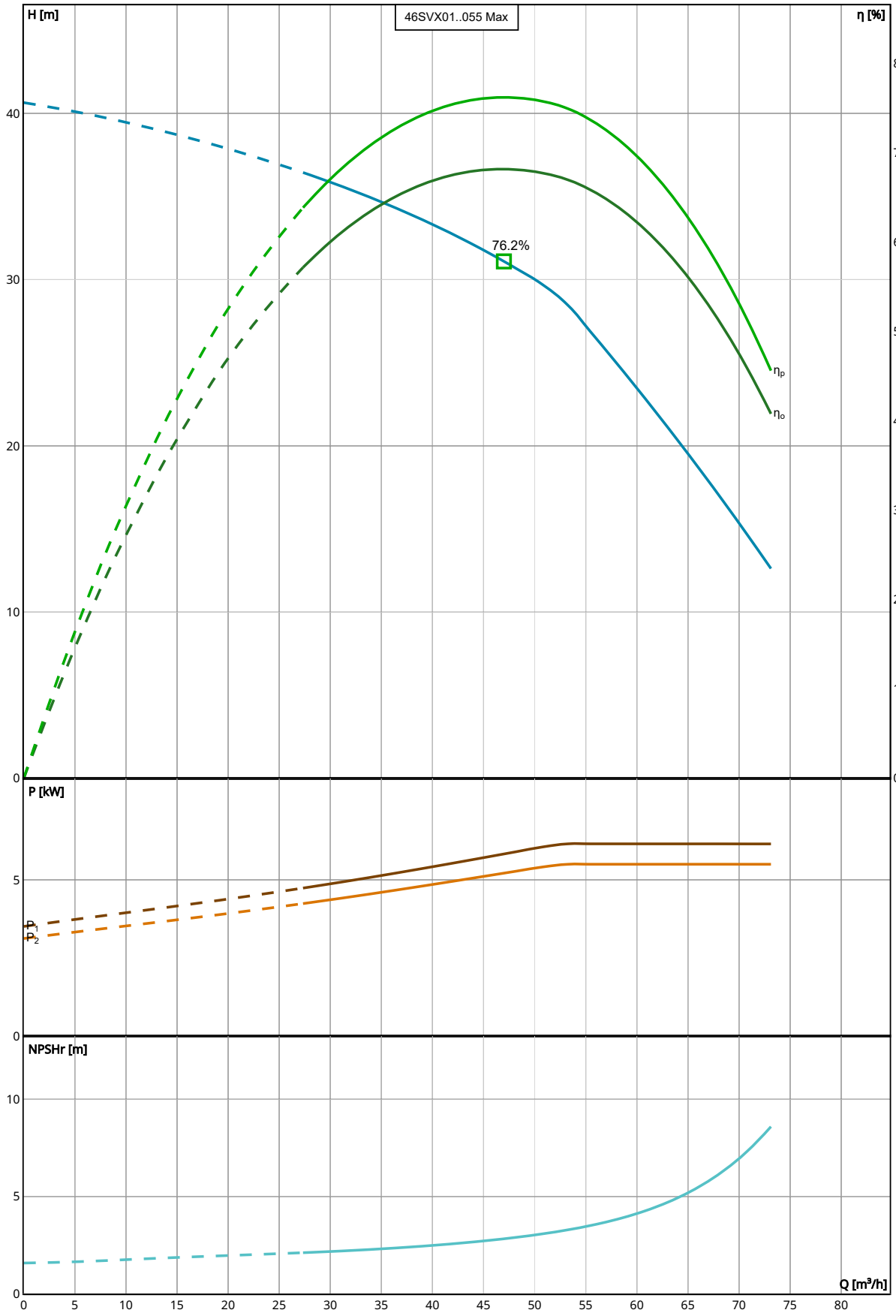
Voltage
380-480 V

Motor Vendor
Xylem

Speed
3600.0 rpm

Rated Current
10.1 A

46SVX01N055PT04QBE | Hydraulic Data & Performance Curve



Performance according to ISO 9906:2012

Project:	Created By:	Created On:	Last Update:
46SVX01N055PT04QBE	-	08/06/2026	-

Selection

Series
e-SV hydrovar X

Name
46SVX01..055

Stages
1

Frequency
50 Hz

Acceptance Grade
Manufacturer's Standard

System Type
Single Pump

Operating Pumps
1

Standby Pumps
No Standby Pump

Fluid and Operating Conditions

Fluid Type
Water

Fluid Temperature
4 °C

Specific Gravity
1

Density
1,000 kg/m³

Dynamic Viscosity
0.002 Pa·s

Fluid Vapor Pressure
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
3,600 RPM

Min Flow
27.33 m³/h

Max Flow
73.12 m³/h

H@QMin
36.44 m

H@QMax
12.62 m

BEP
76.19 %

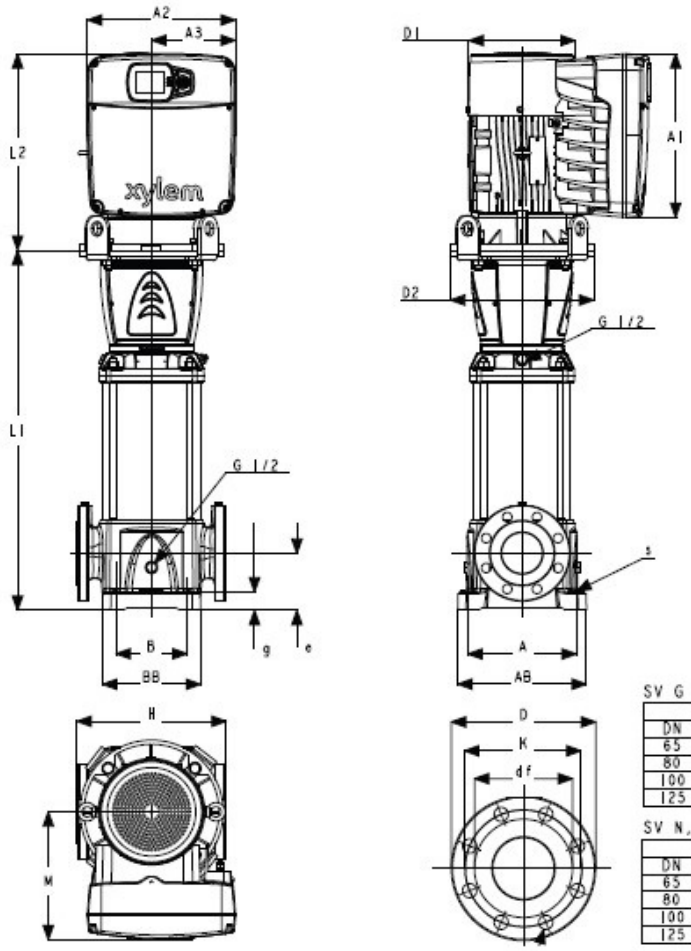
BEP Flow
46.99 m³/h

BEP Head
31.09 m

Max Operating Pressure
3,980.25 mbar

Max P2
5.51 kW

46SVX01N055PT04QBE | Dimensional Data & Drawing



SV G

	EN 1092-1, PN 16				EN 1092-1, PN 25			
DN	D	K	df	dl	D	K	df	dl
65	185	145	118	N.4 x Ø19	185	145	118	N.8 x Ø19
80	200	160	132	N.8 x Ø19	200	160	132	N.8 x Ø19
100	220	180	156	N.8 x Ø19	235	190	156	N.8 x Ø23
125	280	210	184	N.8 x Ø19	280	220	184	N.8 x Ø28

SV N, P

	EN 1092-1, PN 16				EN 1092-1, PN 25			
DN	D	K	df	dl	D	K	df	dl
65	185	145	122	N.4 x Ø19	185	145	122	N.8 x Ø19
80	200	160	138	N.8 x Ø19	200	160	138	N.8 x Ø19
100	220	180	158	N.8 x Ø19	235	190	162	N.8 x Ø23
125	280	210	184	N.8 x Ø19	280	220	184	N.8 x Ø28

Drawing is preliminary and is subject to change.

Dimensions

A 265 mm	D2 300 mm	L1 549 mm	Total Weight 91 kg
AB 315 mm	e 140 mm	DN 80 mm	L2 349 mm
B 190 mm	g 45 mm	S. 4xØ15	D1 179 mm
BB 240 mm	H 365 mm	Weight (Pump) 63 kg	A1 289 mm
A2 256 mm			
A3 149 mm			
M 194 mm			