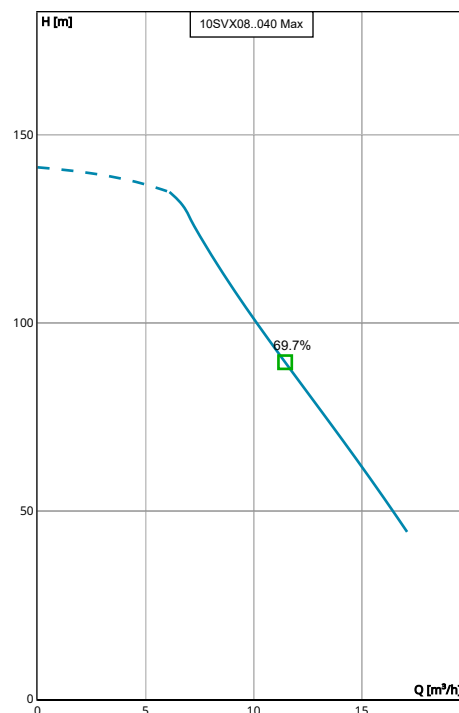


## 10SVX08R040PT04QBE | Configuration Summary



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  | Pump Size |
| Complete Pump | 10SV      |
| Hydrovar Name |           |
| hydrovar X+   |           |

### MATERIALS

|                            |                            |
|----------------------------|----------------------------|
| Pump Body Material         | Impeller Material          |
| Stainless Steel (AISI 304) | Stainless Steel (AISI 304) |

### SEAL

|                  |                          |
|------------------|--------------------------|
| Type of Seal     | Rotating Face            |
| Mechanical Seals | Silicon Carbide          |
| Name             | Stationary Face          |
| Q1BEGG           | 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 | Power     |
| 2     | 4 kW      |
|       | Phase (~) |
|       | 3         |
|       | Voltage   |
|       | 380-480 V |

### FLANGE

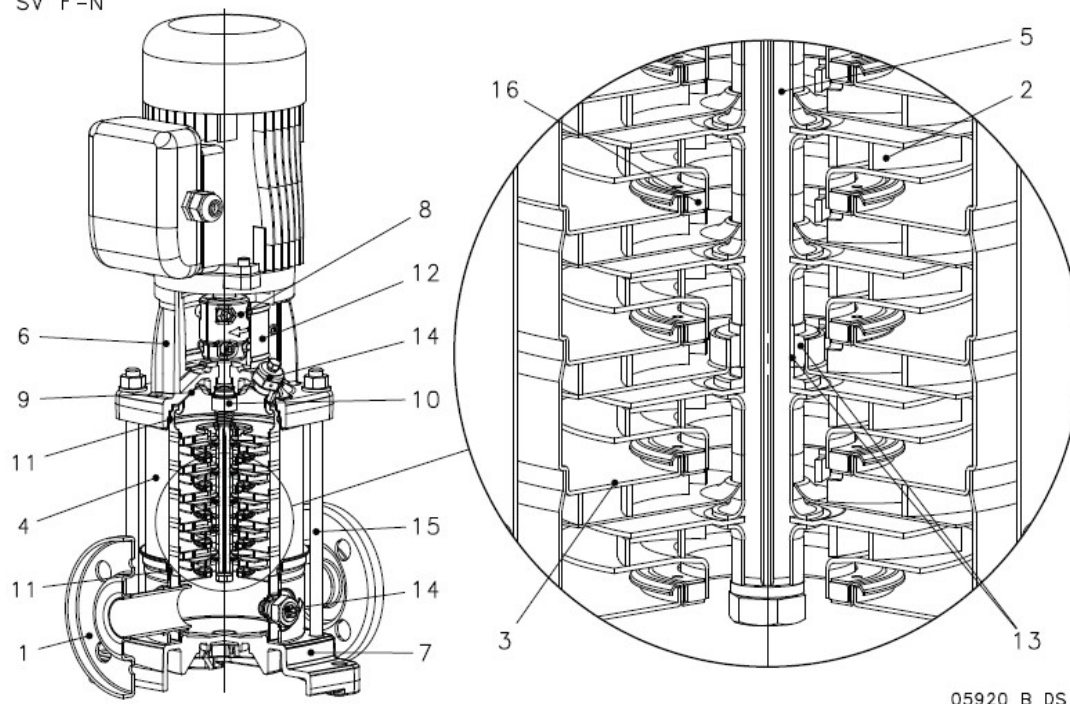
Flange  
[R] = Round Flanges - Discharge  
port above suction (AISI 304)

### VFD

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

## 10SVX08R040PT04QBE | Product Details

SV F-N



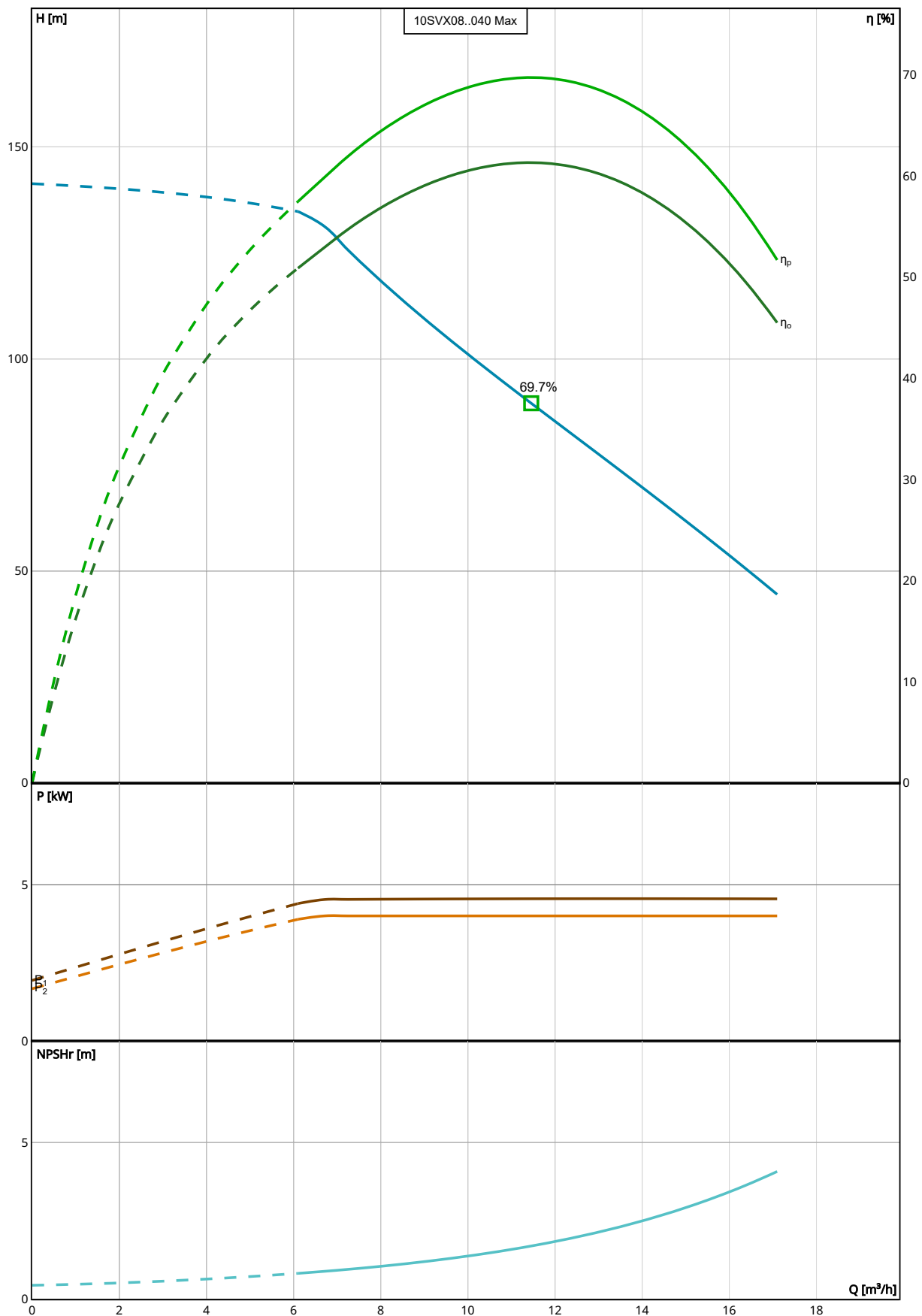
### Construction Materials

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

### Motor

|                                         |                              |                           |                        |
|-----------------------------------------|------------------------------|---------------------------|------------------------|
| <b>Motor Name</b><br>EXM112B14SV/4.040B | <b>Rated power</b><br>4 kW   | <b>Enclosure</b><br>IP 55 | <b>ICL</b><br>F        |
| <b>Phase</b><br>3                       | <b>IE Class</b><br>IE5       | <b>Frame Size</b><br>112  | <b>Standard</b><br>IEC |
| <b>Voltage</b><br>380-480 V             | <b>Motor Vendor</b><br>Xylem |                           |                        |
| <b>Speed</b><br>3600.0 rpm              |                              |                           |                        |
| <b>Rated Current</b><br>7.73 A          |                              |                           |                        |

## 10SVX08R040PT04QBE | Hydraulic Data & Performance Curve



Performance according to ISO 9906:2012

#### Selection

|                         |                 |
|-------------------------|-----------------|
| Series                  | Standby Pumps   |
| e-SV hydrovar X         | No Standby Pump |
| Name                    |                 |
| 10SVX08..040            |                 |
| Stages                  |                 |
| 8                       |                 |
| 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 <sup>3</sup> |
| 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              | 69.73 %                 |
| Min Flow               | BEP Flow                |
| 6.1 m <sup>3</sup> /h  | 11.45 m <sup>3</sup> /h |
| Max Flow               | BEP Head                |
| 17.1 m <sup>3</sup> /h | 89.55 m                 |
| H@QMin                 | Max Operating Pressure  |
| 134.76 m               | 13,839.36 mbar          |
| H@QMax                 | Max P2                  |
| 44.48 m                | 4.01 kW                 |

## 10SVX08R040PT04QBE | Dimensional Data & Drawing

### Dimensions

There is no information available for the given configuration.