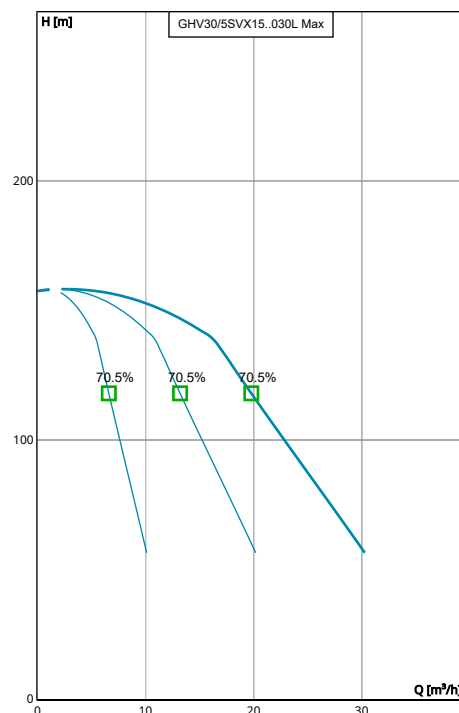


## GHV30/5SVX15F030L/4 | Configuration Summary



The GHV hydrovar® X series booster sets are fully automatic variable speed solutions for water supply, water pressure increase and water transfer in condominiums, office buildings, hotels, public buildings, industries and other applications.



Performance according to ISO 9906:2012

### PUMP

|                                   |           |
|-----------------------------------|-----------|
| Installation                      | Pump Size |
| Non-return valve in Delivery side | 5SV15     |
| Hydrovar Name                     |           |
| hydrovar X+                       |           |

### 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         |

### STANDARD OPTIONS

|                                        |                                                     |
|----------------------------------------|-----------------------------------------------------|
| Include Certified Pump                 | High Pressure Protection Switch                     |
| No                                     | No                                                  |
| Include Optical Sensor                 | Control Panel With Phase                            |
| No                                     | Missing                                             |
| Include Protection Against Dry Running | No                                                  |
| No                                     | Pressure Transmitters and HYDROVAR® Without Control |
| Suction Side                           | Panel-Bracket                                       |
| Standard suction                       | No                                                  |

### MOTOR

|                            |
|----------------------------|
| Power                      |
| 3 kW                       |
| Phase (~)                  |
| 3                          |
| Voltage                    |
| 380-480 V                  |
| Control Panel Power Supply |
| 3 PH x 400 V               |

### FLANGE

|                                |
|--------------------------------|
| Flange                         |
| [F] = Round Flanges (AISI 304) |

### VFD

|       |                |
|-------|----------------|
| Phase | Supply Voltage |
| 3     | 400 V          |

|                                  |                            |
|----------------------------------|----------------------------|
| Control Panel with Cloud Connect | Wall Mounted Control Panel |
| Device                           | No                         |
| No                               |                            |
| IT Neutral                       |                            |
| No                               |                            |

## GHV30/5SVX15F030L/4 | Product Details

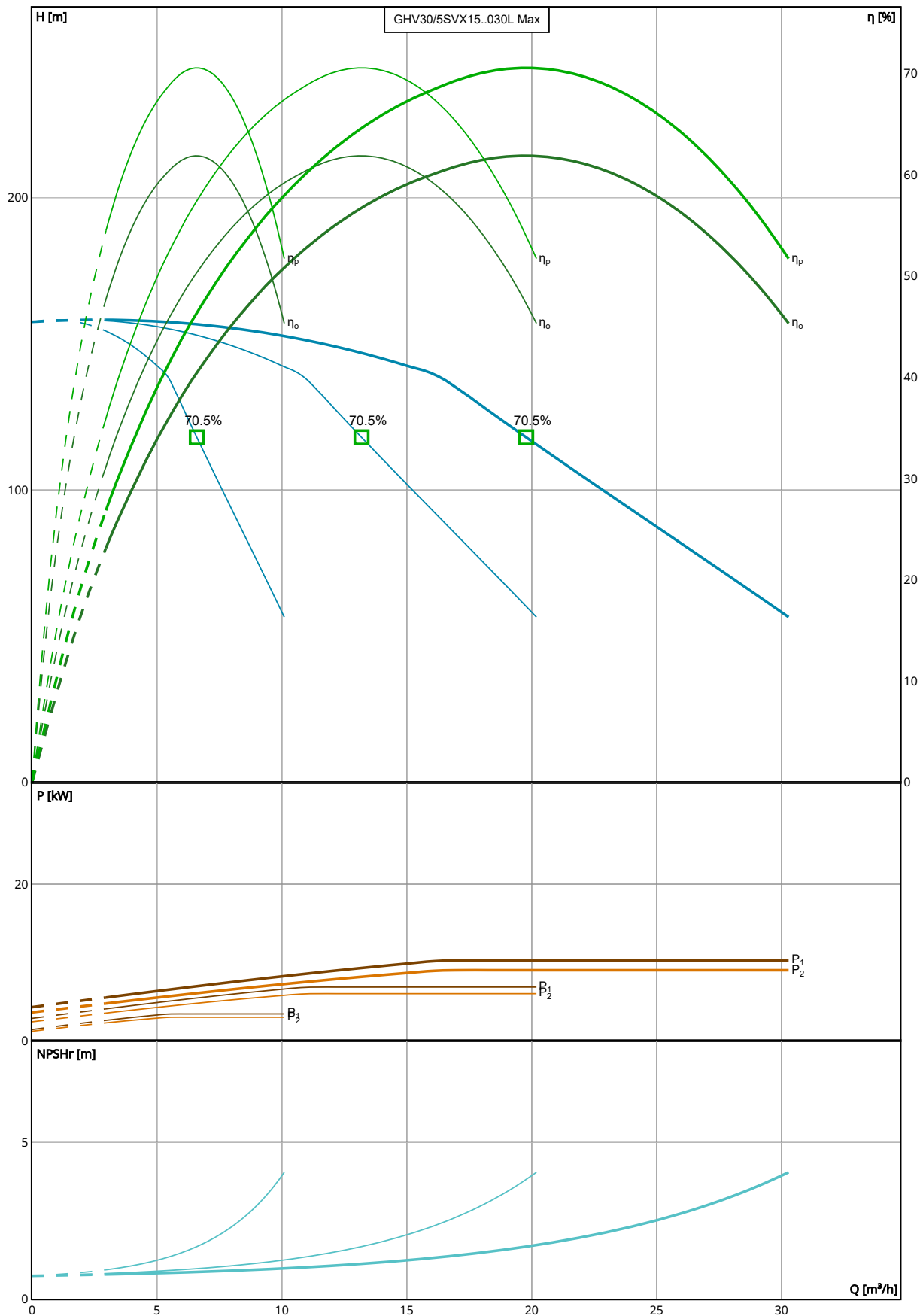
### Construction Materials

|                                                                       |                                                                  |                                                                        |                                                                                    |
|-----------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| - Sliding, blind, weld flange<br>- Pump counterflange (-)<br>AISI 304 | Fittings (-)<br>AISI 316                                         | Pressure gauge (-)<br>Water connection: Brass<br>Cover ABS<br>Fluid: - | Screws, nuts, washers (-)<br>AISI 316                                              |
| Base (-)<br>Painted steel                                             | Manifolds (-)<br>AISI 304                                        | Pressure switches (-)<br>Galvanized steel / AISI 304                   | Vacuum pressure gauge (-)<br>Water connection: Brass<br>Cover ABS<br>Fluid: glycol |
| Bracket (-)<br>Painted steel                                          | Non-return valves, threaded (-)<br>Body: Brass<br>Shutter: Brass | Pressure transmitters (-)<br>AISI 304                                  |                                                                                    |
| Caps/plugs (-)<br>AISI 316                                            | On-off valves, threaded (-)<br>Nickel plated brass               | Pump flange (-)<br>F/R                                                 |                                                                                    |

### Motor

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

## GHV30/5SVX15F030L/4 | Hydraulic Data & Performance Curve



Performance according to ISO 9906:2012

#### Selection

|                         |                 |
|-------------------------|-----------------|
| Series                  | System Type     |
| GHV hydrovar X e-SV     | Multi Pump      |
| Name                    | Operating Pumps |
| GHV30/5SVX15..030L      | 3               |
| Stages                  | Standby Pumps   |
| 15                      | No Standby Pump |
| Frequency               |                 |
| 50 Hz                   |                 |
| Suction Type            |                 |
| Pressurized             |                 |
| Station Losses          |                 |
| 344.74 mbar             |                 |
| Acceptance Grade        |                 |
| Manufacturer's Standard |                 |

#### 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                     |

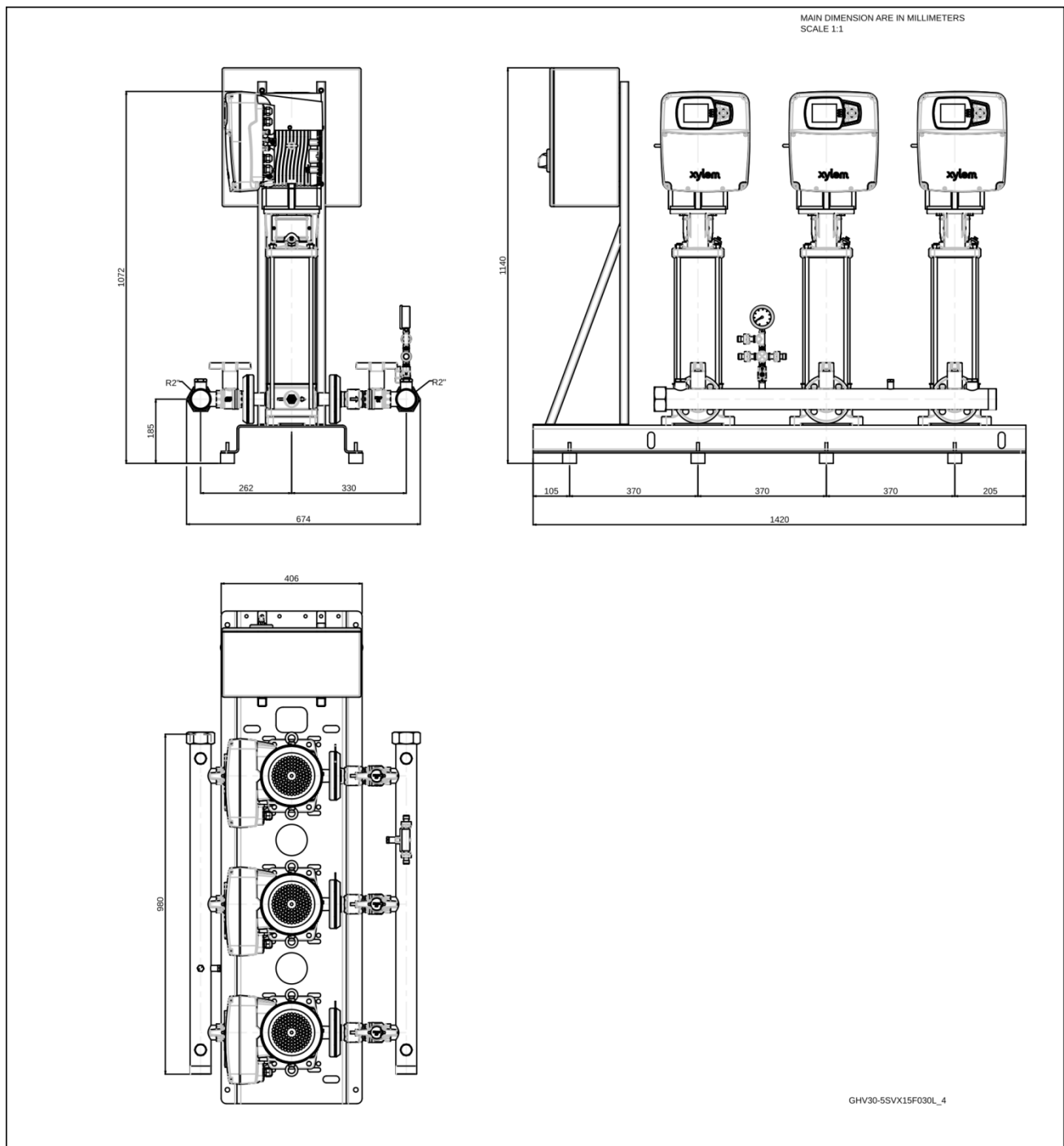
#### Design Curve - Single Pump

|                         |                             |
|-------------------------|-----------------------------|
| Rated Speed             | BEP (1x)                    |
| 3,500 RPM               | 70.54 %                     |
| Min Flow (1x)           | BEP Flow (1x)               |
| 2.96 m <sup>3</sup> /h  | 6.59 m <sup>3</sup> /h      |
| Max Flow (1x)           | BEP Head (1x)               |
| 10.09 m <sup>3</sup> /h | 118.03 m                    |
| H@QMin (1x)             | Max Operating Pressure (1x) |
| 154.35 m                | 15,493.57 mbar              |
| H@QMax (1x)             | Shut Off Head (1x)          |
| 56.52 m                 | 157.53 m                    |
|                         | Max P2 (1x)                 |
|                         | 3 kW                        |

#### Design Curve - System

|                         |                         |
|-------------------------|-------------------------|
| Rated Speed             | BEP                     |
| 3,500 RPM               | 70.54 %                 |
| Min Flow                | BEP Flow                |
| 2.96 m <sup>3</sup> /h  | 19.78 m <sup>3</sup> /h |
| Max Flow                | BEP Head                |
| 30.28 m <sup>3</sup> /h | 118.03 m                |
| H@QMin                  | Max Operating Pressure  |
| 158.21 m                | 15,493.57 mbar          |
| H@QMax                  | Shut Off Head           |
| 56.52 m                 | 157.53 m                |
|                         | Max P2                  |
|                         | 9 kW                    |

## GHV30/5SVX15F030L/4 | Dimensional Data & Drawing



Drawing is preliminary and is subject to change.

### Dimensions

There is no information available for the given configuration.