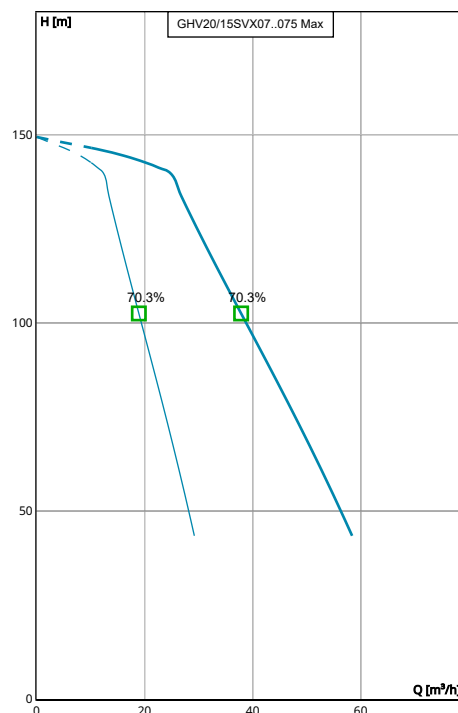


## GHV20/15SVX07F075/4 | Configuration Summary



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 | 15SV07    |
| 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

|                                                    |                                                |
|----------------------------------------------------|------------------------------------------------|
| Control Panel with Digital Voltmeter and Ammeter   | Include Double Pressure Transmitter            |
| No                                                 | No                                             |
| Condensation Resistance (controlled by Thermostat) | High Pressure Protection Switch                |
| No                                                 | No                                             |
| Include Certified Pump                             | Control Panel Protection Degree (IP65 version) |
| No                                                 | No                                             |
| Include Optical Sensor                             | Control Panel With Emergency                   |

### MOTOR

|                            |
|----------------------------|
| Power                      |
| 7.5 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          |

|                                         |                                                                   |
|-----------------------------------------|-------------------------------------------------------------------|
| No                                      | Button                                                            |
| Include Protection Against Dry Running  | No                                                                |
| No                                      | Aqueduct Installation                                             |
| Suction Side                            | No                                                                |
| Standard suction                        | Control Panel With Phase Missing                                  |
| Delivery Side                           | No                                                                |
| Standard delivery                       | Pressure Transmitters and HYDROVAR® Without Control Panel-Bracket |
| Control Panel With Timer                | No                                                                |
| No                                      | Electric Pump Special Seals                                       |
| Control Panel Mounting Options          | No                                                                |
| Standard Mounting                       | Wall Mounted Control Panel                                        |
| Control Panel with Cloud Connect Device | No                                                                |
| No                                      |                                                                   |
| IT Neutral                              |                                                                   |
| No                                      |                                                                   |

## GHV20/15SVX07F075/4 | Product Details

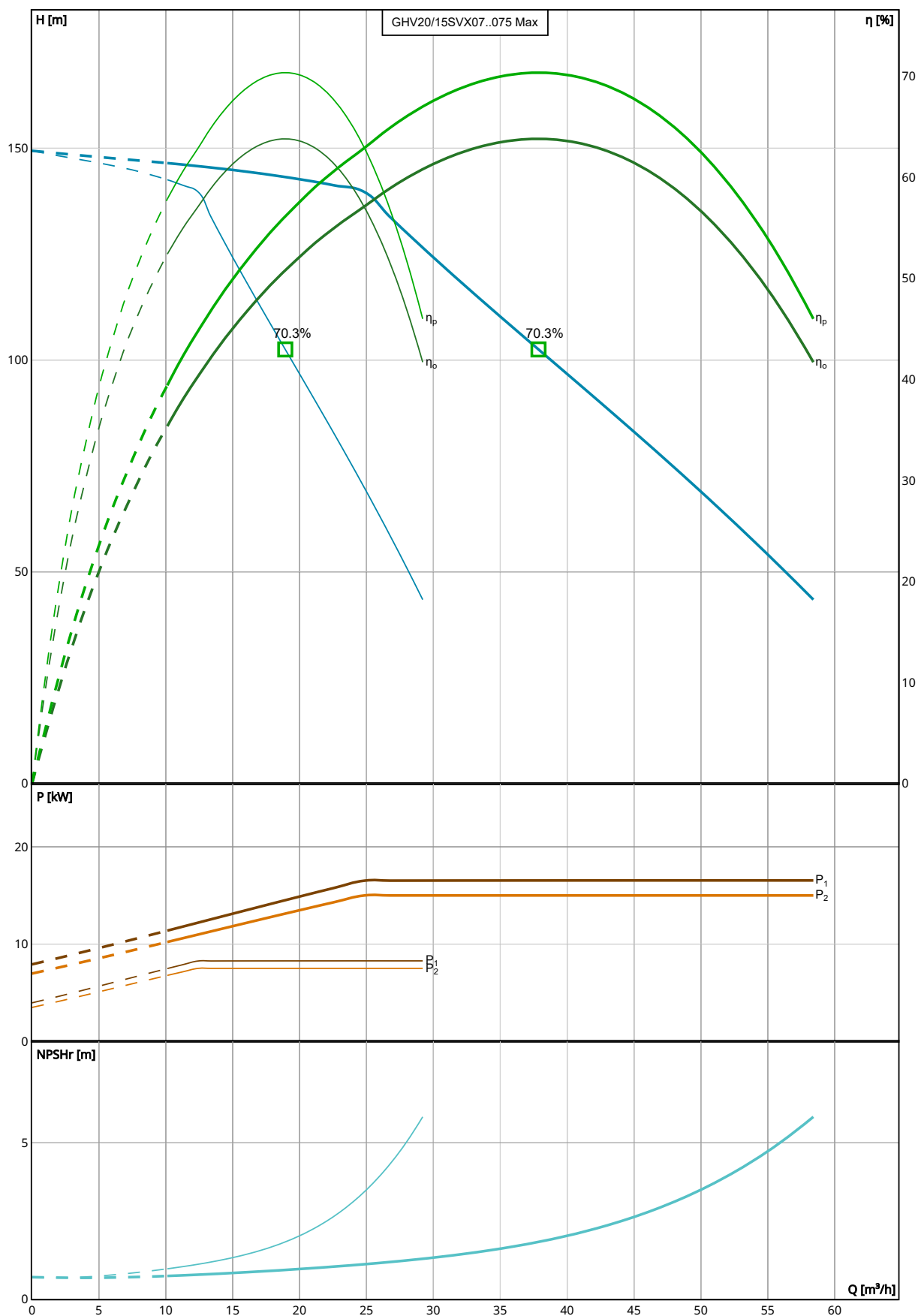
### Construction Materials

|                                                                              |                                                                |                                                                                |                                                      |
|------------------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------------|------------------------------------------------------|
| <b>Manifolds (-)</b><br>AISI 304                                             | <b>Pressure switches (-)</b><br>Galvanized steel / AISI 304    | <b>Fittings (-)</b><br>AISI 316                                                | <b>Screws, nuts, washers (-)</b><br>Galvanized steel |
| <b>Sliding/Blind Flanges</b><br>(not in contact with liquid) (-)<br>AISI 304 | <b>Pressure transmitters (-)</b><br>AISI 304                   | <b>Bracket (-)</b><br>Painted steel                                            |                                                      |
| <b>On-off valves, threaded (-)</b><br>Nickel-plated brass                    | <b>Caps/plugs (-)</b><br>AISI 304 / 316                        | <b>Base (-)</b><br>Painted steel                                               |                                                      |
| <b>Non-return valves, threaded (-)</b><br>Brass                              | <b>Welded flanges</b><br>(contact with liquid) (-)<br>AISI 304 | <b>Pressure gauge (-)</b><br>Water Connection: brass<br>Cover: ABS<br>Fluid: - |                                                      |

### Motor

|                                        |                              |                           |                        |
|----------------------------------------|------------------------------|---------------------------|------------------------|
| <b>Motor Name</b><br>EXM132B5SV/4.075C | <b>Rated power</b><br>7.5 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>132  | <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>13.7 A         |                              |                           |                        |

## GHV20/15SVX07F075/4 | Hydraulic Data & Performance Curve



Performance according to ISO 9906:2012

### Selection

|                         |                 |
|-------------------------|-----------------|
| Series                  | System Type     |
| GHV hydrovar X e-SV     | Multi Pump      |
| Name                    | Operating Pumps |
| GHV20/15SVX07..075      | 2               |
| Stages                  | Standby Pumps   |
| 7                       | 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                     |

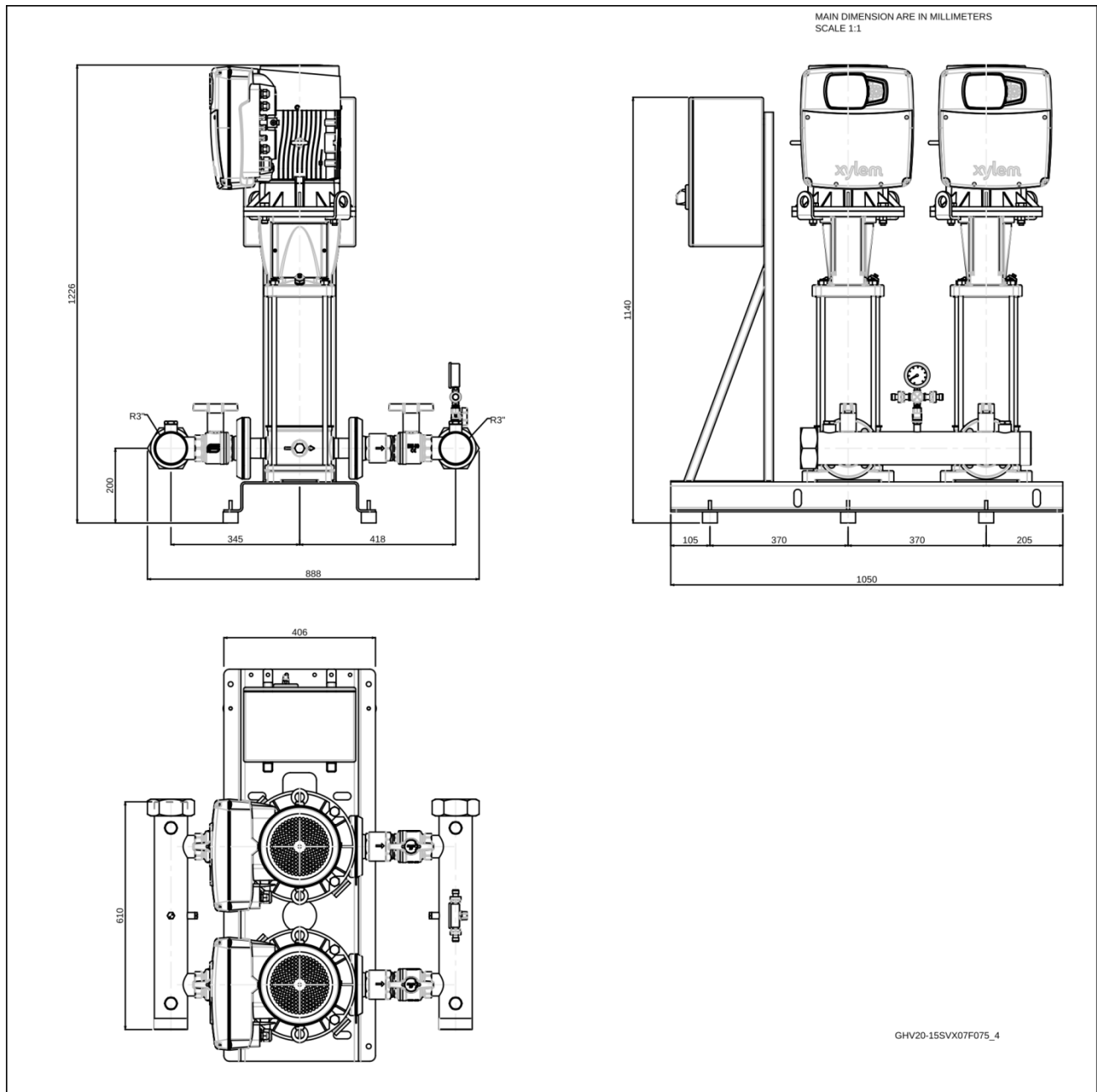
### Design Curve - Single Pump

|                         |                             |
|-------------------------|-----------------------------|
| Rated Speed             | BEP (1x)                    |
| 3,600 RPM               | 70.35 %                     |
| Min Flow (1x)           | BEP Flow (1x)               |
| 10.11 m <sup>3</sup> /h | 18.93 m <sup>3</sup> /h     |
| Max Flow (1x)           | BEP Head (1x)               |
| 29.2 m <sup>3</sup> /h  | 102.5 m                     |
| H@QMin (1x)             | Max Operating Pressure (1x) |
| 142.56 m                | 14,629.79 mbar              |
| H@QMax (1x)             | Shut Off Head (1x)          |
| 43.44 m                 | 149.4 m                     |
|                         | Max P2 (1x)                 |
|                         | 7.52 kW                     |

### Design Curve - System

|                         |                         |
|-------------------------|-------------------------|
| Rated Speed             | BEP                     |
| 3,600 RPM               | 70.35 %                 |
| Min Flow                | BEP Flow                |
| 10.11 m <sup>3</sup> /h | 37.86 m <sup>3</sup> /h |
| Max Flow                | BEP Head                |
| 58.4 m <sup>3</sup> /h  | 102.5 m                 |
| H@QMin                  | Max Operating Pressure  |
| 146.49 m                | 14,629.79 mbar          |
| H@QMax                  | Shut Off Head           |
| 43.44 m                 | 149.4 m                 |
|                         | Max P2                  |
|                         | 15.04 kW                |

## GHV20/15SVX07F075/4 | Dimensional Data & Drawing



Drawing is preliminary and is subject to change.

### Dimensions

There is no information available for the given configuration.