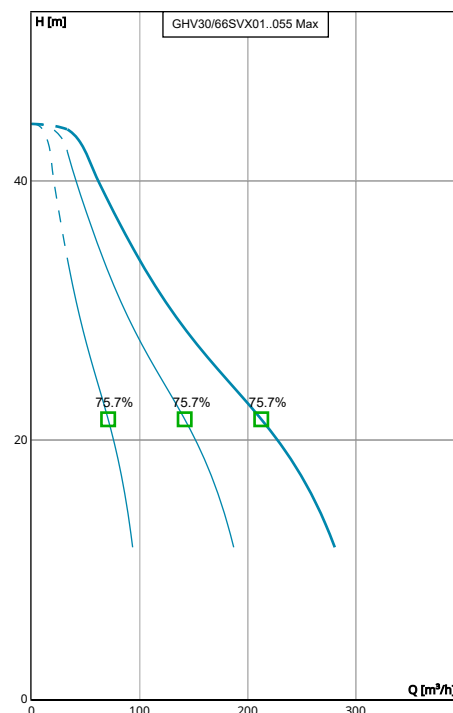


## GHV30/66SVX01G055/4 | Configuration Summary



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 | 66SV1     |
| 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                             | Delivery side turned upwards by 90° using elbow |
| No                                                 | No                                              |
| Include Optical Sensor                             | Control Panel Protection Degree                 |

### MOTOR

|                            |
|----------------------------|
| Power                      |
| 5.5 kW                     |
| Phase (~)                  |
| 3                          |
| Voltage                    |
| 380-480 V                  |
| Control Panel Power Supply |
| 3 PH x 400 V               |

### FLANGE

|                                          |
|------------------------------------------|
| Flange                                   |
| [G] = Round Flanges (AISI 304/Cast Iron) |

### VFD

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

|                                         |                                                                   |
|-----------------------------------------|-------------------------------------------------------------------|
| No                                      | (IP65 version)                                                    |
| Include Protection Against Dry Running  | No                                                                |
| No                                      | Control Panel With Emergency Button                               |
| Suction Side                            | No                                                                |
| Standard suction                        | Aqueduct Installation                                             |
| Delivery Side                           | No                                                                |
| Standard delivery                       | Control Panel With Phase Missing                                  |
| Control Panel With Timer                | No                                                                |
| No                                      | Pressure Transmitters and HYDROVAR® Without Control Panel-Bracket |
| Control Panel Mounting Options          | No                                                                |
| Standard Mounting                       | Electric Pump Special Seals                                       |
| Control Panel with Cloud Connect Device | No                                                                |
| No                                      | IT Neutral                                                        |
| IT Neutral                              | No                                                                |
| No                                      | Wall Mounted Control Panel                                        |
|                                         | No                                                                |

## GHV30/66SVX01G055/4 | Product Details

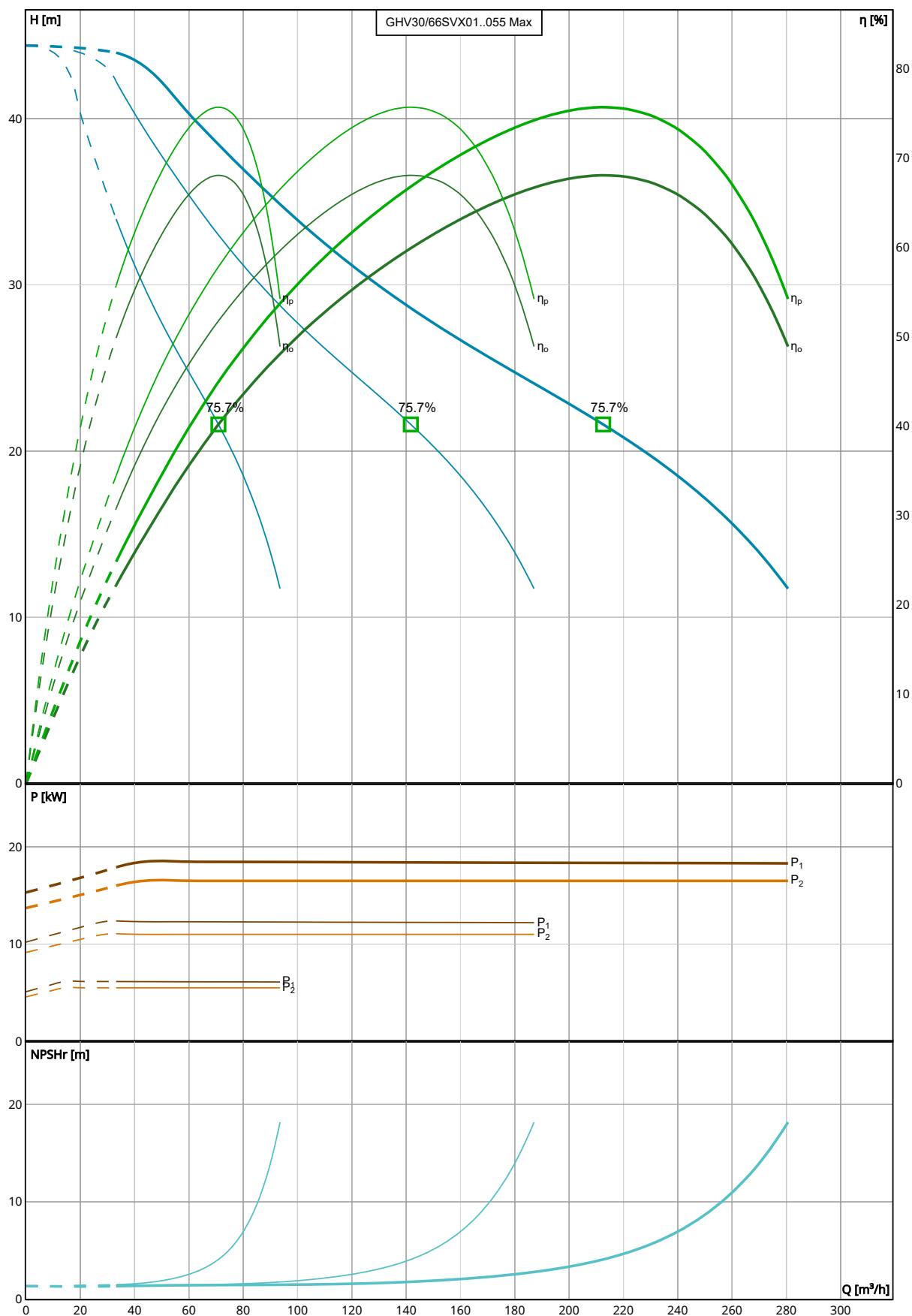
### Construction Materials

|                                                                            |                                                                                                       |                                                             |                                                                                |
|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------------------------|
| <b>Manifolds (-)</b><br>AISI 304                                           | <b>Non-return valves, axial type, flanged (-)</b><br>Body, Cast iron painted<br>Disco, brass or epoxy | <b>Caps/plugs (-)</b><br>AISI 304 / 316                     | <b>Base (-)</b><br>Painted steel                                               |
| <b>Sliding/Blind Flanges (not in contact with liquid) (-)</b><br>AISI 304  | <b>Non-return valves, double plate type (-)</b><br>-                                                  | <b>Welded flanges (contact with liquid) (-)</b><br>AISI 304 | <b>Pressure gauge (-)</b><br>Water Connection: brass<br>Cover: ABS<br>Fluid: - |
| <b>On-off valves, threaded type (-)</b><br>Nickel-plated brass             | <b>Pressure switches (-)</b><br>Galvanized steel / AISI 304                                           | <b>Fittings (-)</b><br>AISI 316                             | <b>Screws, nuts, washers (-)</b><br>Galvanized steel                           |
| <b>On-off valves flanged type (-)</b><br>Body: ductile iron<br>Disc: epoxy | <b>Pressure transmitters (-)</b><br>AISI 304                                                          | <b>Bracket (-)</b><br>Painted steel                         |                                                                                |

### Motor

|                                        |                              |                           |                        |
|----------------------------------------|------------------------------|---------------------------|------------------------|
| <b>Motor Name</b><br>EXM132B5SV/4.055B | <b>Rated power</b><br>5.5 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>10.1 A         |                              |                           |                        |

## GHV30/66SVX01G055/4 | Hydraulic Data & Performance Curve



Performance according to ISO 9906:2012

### Selection

|                         |                 |
|-------------------------|-----------------|
| Series                  | System Type     |
| GHV hydrovar X e-SV     | Multi Pump      |
| Name                    | Operating Pumps |
| GHV30/66SVX01..055      | 3               |
| Stages                  | Standby Pumps   |
| 1                       | 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                     |

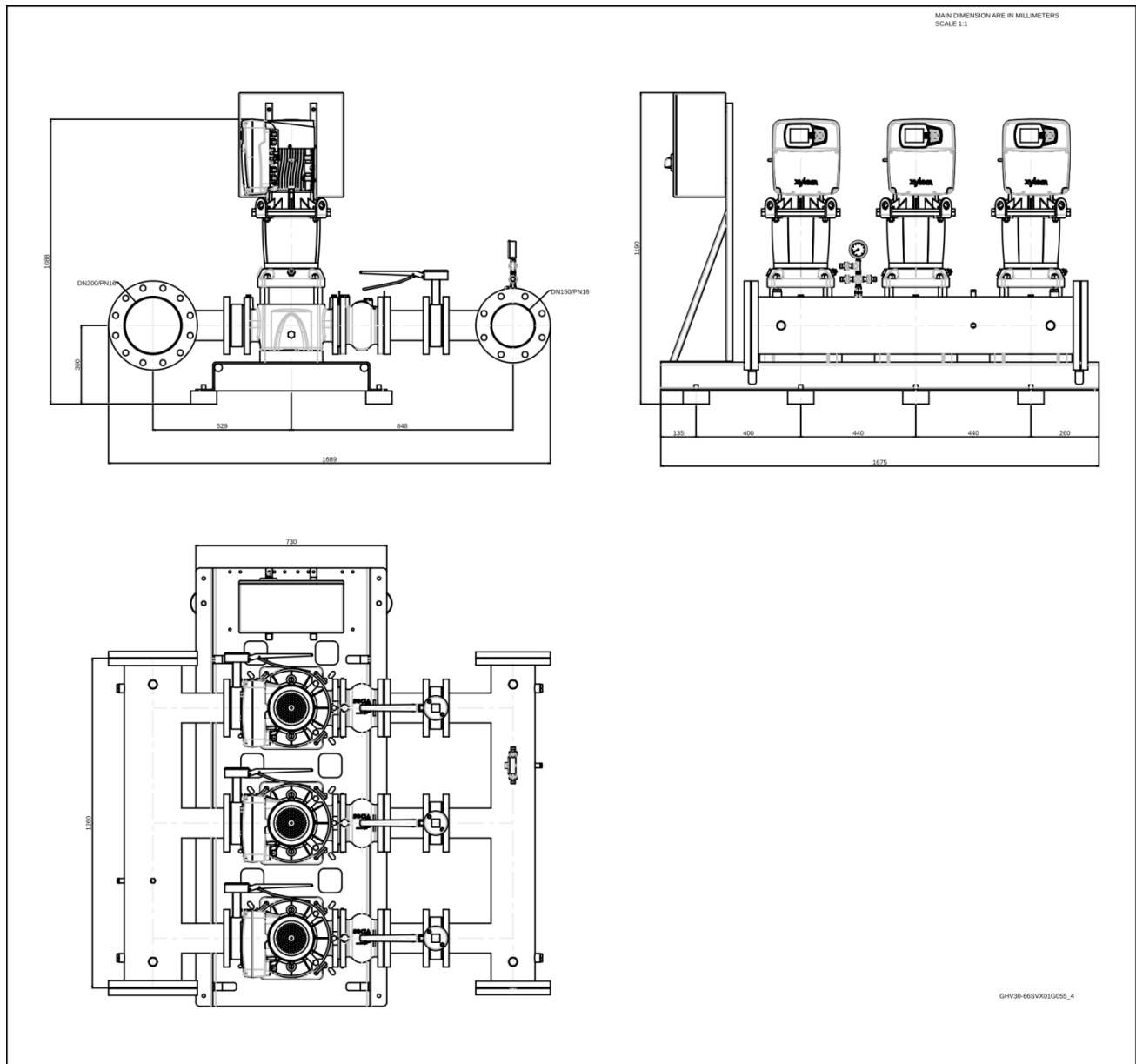
### Design Curve - Single Pump

|                         |                             |
|-------------------------|-----------------------------|
| Rated Speed             | BEP (1x)                    |
| 3,600 RPM               | 75.67 %                     |
| Min Flow (1x)           | BEP Flow (1x)               |
| 33.18 m <sup>3</sup> /h | 70.85 m <sup>3</sup> /h     |
| Max Flow (1x)           | BEP Head (1x)               |
| 93.54 m <sup>3</sup> /h | 21.6 m                      |
| H@QMin (1x)             | Max Operating Pressure (1x) |
| 33.97 m                 | 4,347.43 mbar               |
| H@QMax (1x)             | Shut Off Head (1x)          |
| 11.73 m                 | 44.4 m                      |
|                         | Max P2 (1x)                 |
|                         | 5.53 kW                     |

### Design Curve - System

|                          |                          |
|--------------------------|--------------------------|
| Rated Speed              | BEP                      |
| 3,600 RPM                | 75.67 %                  |
| Min Flow                 | BEP Flow                 |
| 33.18 m <sup>3</sup> /h  | 212.55 m <sup>3</sup> /h |
| Max Flow                 | BEP Head                 |
| 280.62 m <sup>3</sup> /h | 21.6 m                   |
| H@QMin                   | Max Operating Pressure   |
| 43.97 m                  | 4,347.43 mbar            |
| H@QMax                   | Shut Off Head            |
| 11.73 m                  | 44.4 m                   |
|                          | Max P2                   |
|                          | 16.59 kW                 |

## GHV30/66SVX01G055/4 | Dimensional Data & Drawing



Drawing is preliminary and is subject to change.

### Dimensions

There is no information available for the given configuration.