

## SMB30/3SVE07R007/M2/UK

### Technical data

Company name  
Contact  
Phone number  
e-mail address

| Operating data   |                                      |                                   |           |  |                                       |
|------------------|--------------------------------------|-----------------------------------|-----------|--|---------------------------------------|
| 1                | Nominal flow                         | m <sup>3</sup> /h                 | 0         | Fluid  | Water, pure                           |
| 2                | Nominal head                         | m                                 | 0         | Operating temperature t A                    | °C 4                                  |
| 3                | Static head                          | m                                 | 0         | pH-value at t A                              | 7                                     |
| 4                | Inlet pressure                       | kPa                               | 0         | Density at t A                               | kg/m <sup>3</sup> 1000                |
| 5                | Env ironmental temperature           | °C                                | 20        | Kin. viscosity at t A                        | mm <sup>2</sup> /s 1.569              |
| 6                | Av ailable system NPSH               | m                                 | 0         | Vapor pressure at t A                        | kPa 100                               |
| 7                | Solids                               |                                   | 0         | Altitude                                     | m 0                                   |
| 8                |                                      |                                   |           |  |                                       |
| Pump data        |                                      |                                   |           |  |                                       |
| 9                | Pump designation                     |                                   |           | Impeller Ø                                   | Max. mm 79                            |
| 10               | SMB30/3SVE07R007/M2/UK               |                                   |           |  | designed mm 79                        |
| 11               | Design                               | Variable speed                    |           |  | Min. mm 79                            |
| 12               | Make                                 |                                   |           | Flow   | Nominal m <sup>3</sup> /h ( )         |
| 13               |                                      |                                   |           |  | Max- m <sup>3</sup> /h 5.2            |
| 14               | Speed                                | rpm                               | 2900      |  | Min- m <sup>3</sup> /h 1.4            |
| 15               |                                      |                                   |           | Head   | Nominal m                             |
| 16               | Max. working pressure                | kPa                               | 756.7     |  | at Qmax m 17.8                        |
| 17               | Head H(Q=0)                          | m                                 | 77        |  | at Qmin m 77.2                        |
| 18               | Weight                               | kg                                | On demand | Shaft power                                  | kW ( )                                |
| 19               | Weight data include external package |                                   |           | Max. shaft power                             | kW 2.4                                |
| 20               |                                      |                                   |           | Efficiency                                   | %                                     |
| 21               |                                      |                                   |           | NPSH 3%                                      | m                                     |
| Materials        |                                      |                                   |           |  |                                       |
| 22               |                                      | <b>Booster</b>                    |           | <b>Motor data</b>                            |                                       |
| 23               | Manifolds                            | Stainless steel, 1.4301, AISI 304 |           | Manufacturer                                 | Lowara Electric voltage 208 V         |
| 24               | On-off valves                        | Nickel-plated brass               |           | Specific design                              | Single phase e-SM motor               |
| 25               | Non-return valves                    | Brass                             |           | Type   | ESM90R/107 SVE Electric current 6.2 A |
| 26               | Pressure switches                    | Galvanized steel/AISI 301         |           | Rated power                                  | 0.75 kW Degree of protection IP 55    |
| 27               | Pressure transmitters                | Stainless steel, 1.4301, AISI 304 |           | Speed  | 3600 rpm Insulation class F           |
| 28               | Caps/plugs/flanges                   | AISI 304 / 316                    |           | Frame size                                   | 90R RAL 5010                          |
| 29               | Fittings                             | AISI 304 / 316                    |           | Weight                                       | 0 kg                                  |
| 30               | Bracket                              | Galvanized/painted steel          |           |  |                                       |
| 31               | Base                                 | Painted steel                     |           |  |                                       |
| 32               |                                      |                                   |           |  |                                       |
| Standard options |                                      |                                   |           |  |                                       |
| 33               | Non return valve position            |                                   |           | Non return valve in delivery side            |                                       |
| 34               | Set certificate                      |                                   |           |  |                                       |
| 35               | Material Combination                 |                                   |           | Standard materials combination               |                                       |
| 36               | Pump Test                            |                                   |           | Set without certified pumps                  |                                       |
| 37               | High pressure protection             |                                   |           | Without high pressure protection on delivery |                                       |
| 38               | Turned Delivery Manifold             |                                   |           | Standard                                     |                                       |
| 39               | Oversize Piping                      |                                   |           | Standard manifold                            |                                       |
| 40               | Control Panel                        |                                   |           | Standard                                     |                                       |
| 41               | Protection Against Dry Running       |                                   |           | Without protection against dry running       |                                       |
| 42               | Control Devices Oversized            |                                   |           | Standard                                     |                                       |
| 43               | Delivery Side                        |                                   |           | Standard delivery                            |                                       |
| 44               | Suction side                         |                                   |           | Standard suction                             |                                       |
| 45               | Pressure Transmitter                 |                                   |           | Standard                                     |                                       |
| 46               | Control Panel Position               |                                   |           | Standard position                            |                                       |
| 47               | Electric Pump Special Seals          |                                   |           | Standard                                     |                                       |
| 48               | Non-return Valve                     |                                   |           | Standard non-return valve                    |                                       |

**SMB30/3SVE07R007/M2/UK**

**Performance curve**

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**Operating Data Specification**

Flow 0 m<sup>3</sup>/h  
Head 0 m  
Static head 0 m

**Hydraulic data (duty point)**

Flow  
Head

**Impeller design**

Impeller R 79 mm  
Frequency 50 Hz  
Speed 2900 rpm

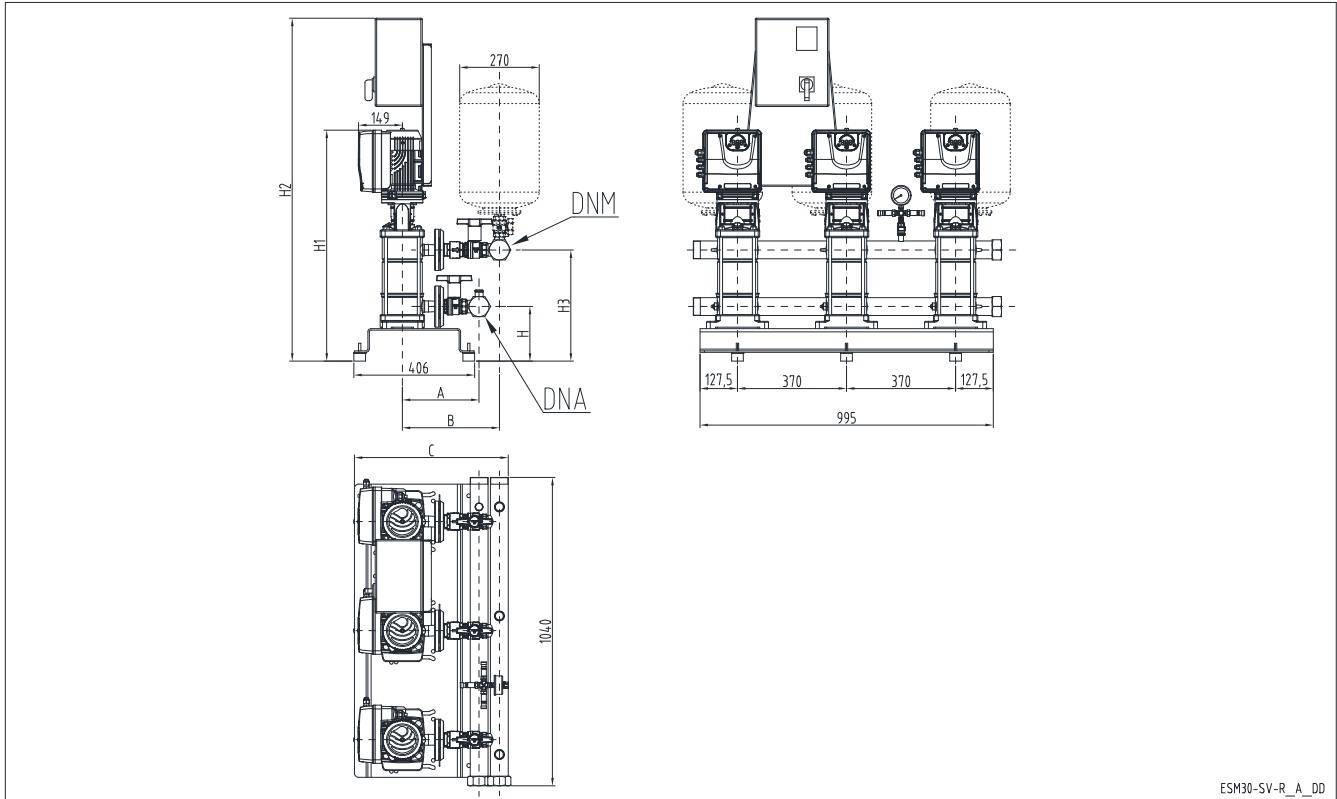
**Power datas referred to:**

Water, pure [100%]; 4°C; 1000kg/m<sup>3</sup>; 1.57mm<sup>2</sup>/s  
Performance according to ISO 9906:2012 – Grade 3B



**Dimensions**

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ESM30-SV-R\_A\_DD

**PLEASE NOTE:**

**Dimensions**

mm

|     |      |  |  |  |  |  |
|-----|------|--|--|--|--|--|
| A   | 256  |  |  |  |  | Weight (Include external package)<br>On demand |
| B   | 311  |  |  |  |  |  |
| C   | 490  |  |  |  |  |  |
| DNA | R2"  |  |  |  |  |  |
| DNM | R2"  |  |  |  |  |  |
| H   | 185  |  |  |  |  |  |
| H1  | 730  |  |  |  |  |  |
| H2  | 1016 |  |  |  |  |  |
| H3  | 317  |  |  |  |  |  |

|                |                        |                   |           |                    |           |
|----------------|------------------------|-------------------|-----------|--------------------|-----------|
| <b>Project</b> | Xylect-20871631        | <b>Created by</b> |           | <b>Last update</b> | 7/18/2023 |
| <b>Block</b>   | SMB30/3SVE07R007/M2/UK | <b>Created on</b> | 7/18/2023 |                    |           |