

|              |             |           |
|--------------|-------------|-----------|
| Customer     | Date        | 2/23/2018 |
| Contact      | Project     |           |
| Phone number | Project no. |           |
| Email        |             |           |

## 1SVE15F011P0M/2

### 104632531

#### Operating data

|                           |                     |                           |                          |
|---------------------------|---------------------|---------------------------|--------------------------|
| Pump type                 | Single head pump    | Fluid                     | Water, pure              |
| No. of pumps / Reserve    | 1 / 0               | Operating temperature t A | °C 4                     |
| Nominal flow              | m <sup>3</sup> /h 0 | pH-value at t A           | 7                        |
| Nominal head              | m 0                 | Density at t A            | kg/m <sup>3</sup> 1000   |
| Static head               | m 0                 | Kin. viscosity at t A     | mm <sup>2</sup> /s 1.569 |
| Inlet pressure            | kPa 0               | Vapor pressure at t A     | kPa 100                  |
| Environmental temperature | °C 20               | Solids                    | 0                        |
| Available system NPSH     | m 0                 | Altitude                  | m 0                      |

#### Pump data

|                       |                |                  |                            |
|-----------------------|----------------|------------------|----------------------------|
| Make                  | Lowara         | Nominal          | m <sup>3</sup> /h ( )      |
| Speed                 | rpm 2900       | Flow             | Max- m <sup>3</sup> /h 2.8 |
| Number of stages      | 15             |                  | Min- m <sup>3</sup> /h .8  |
| Max. casing pressure  | kPa            | Nominal          | m                          |
| Max. working pressure | kPa 1325.1     | Head             | at Qmax m 62.1             |
| Head H(Q=0)           | m 140          |                  | at Qmin m 136.8            |
| Weight                | kg 23          | Shaft power      | kW ( )                     |
|                       | Max. mm 73     | Max. shaft power | kW                         |
| Impeller R            | designed mm 73 | Efficiency       | %                          |
|                       | Min. mm 73     | NPSH 3%          | m                          |

#### Pump Materials

|                          |                            |
|--------------------------|----------------------------|
| Pump body                | Stainless steel / AISI 304 |
| IMPELLER                 | Stainless steel / AISI 304 |
| DIFFUSER                 | Stainless steel / AISI 304 |
| Outer sleeve             | Stainless steel / AISI 304 |
| SHAFT                    | Stainless steel / AISI 304 |
| ADAPTER                  | Cast iron                  |
| Base                     | Aluminium                  |
| COUPLING                 | Aluminium                  |
| SEAL HOUSING             | Stainless steel / AISI 304 |
| Coupling protection      | Stainless steel / AISI 304 |
| Shaft sleeve and bushing | Tungsten carbide           |
| Fill / drain plugs       | Stainless steel / AISI 304 |
| Tie rods                 | Stainless steel            |
| WEAR RING                | Technopolymer PPS          |

#### Shaft Seal

|                   |                            |
|-------------------|----------------------------|
| Single seal       | Roten                      |
| SV - Uniten       |                            |
| Rotating Assembly | Q1-Silicon carbide         |
| Fixed Assembly    | B-Resin impregnated carbon |
| Elastomers        | E - EPDM                   |
| Springs           | G-AISI 316                 |
| Other Components  | G-AISI 316                 |

#### Motor data

|                 |                         |                      |       |            |          |                  |          |
|-----------------|-------------------------|----------------------|-------|------------|----------|------------------|----------|
| Manufacturer    | Lowara                  | Electric voltage     | 230 V | Speed      | 2900 rpm | Insulation class | B        |
| Specific design | Single phase e-SM motor |                      |       | Frame size | 90R      | Colour           | RAL 5010 |
| Type            | SM80/111 SV..           | Electric current     | 6.2 A |            |          |                  |          |
| Rated power     | 1.1 kW                  | Degree of protection | IP 55 |            |          |                  |          |

#### Remarks:

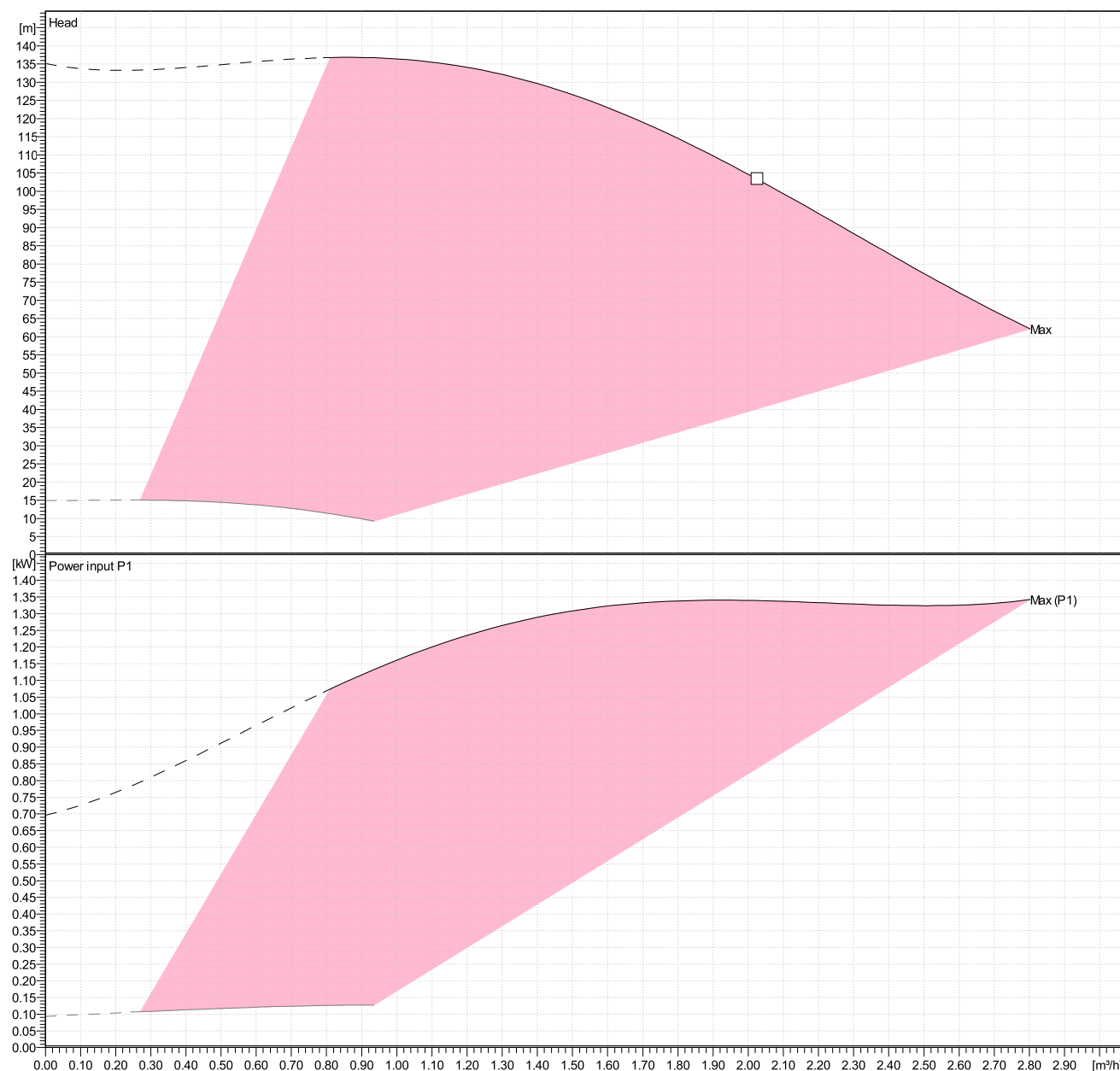
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**104632531**

#### Hydraulic data

| Operating Data Specification |                     | Hydraulic data (duty point) |  | Impeller design |          |
|------------------------------|---------------------|-----------------------------|--|-----------------|----------|
| Flow                         | 0 m <sup>3</sup> /h | Flow                        |  | Impeller R      | 73 mm    |
| Head                         | 0 m                 | Head                        |  | Frequency       | 50 Hz    |
| Static head                  | 0 m                 |                             |  | 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



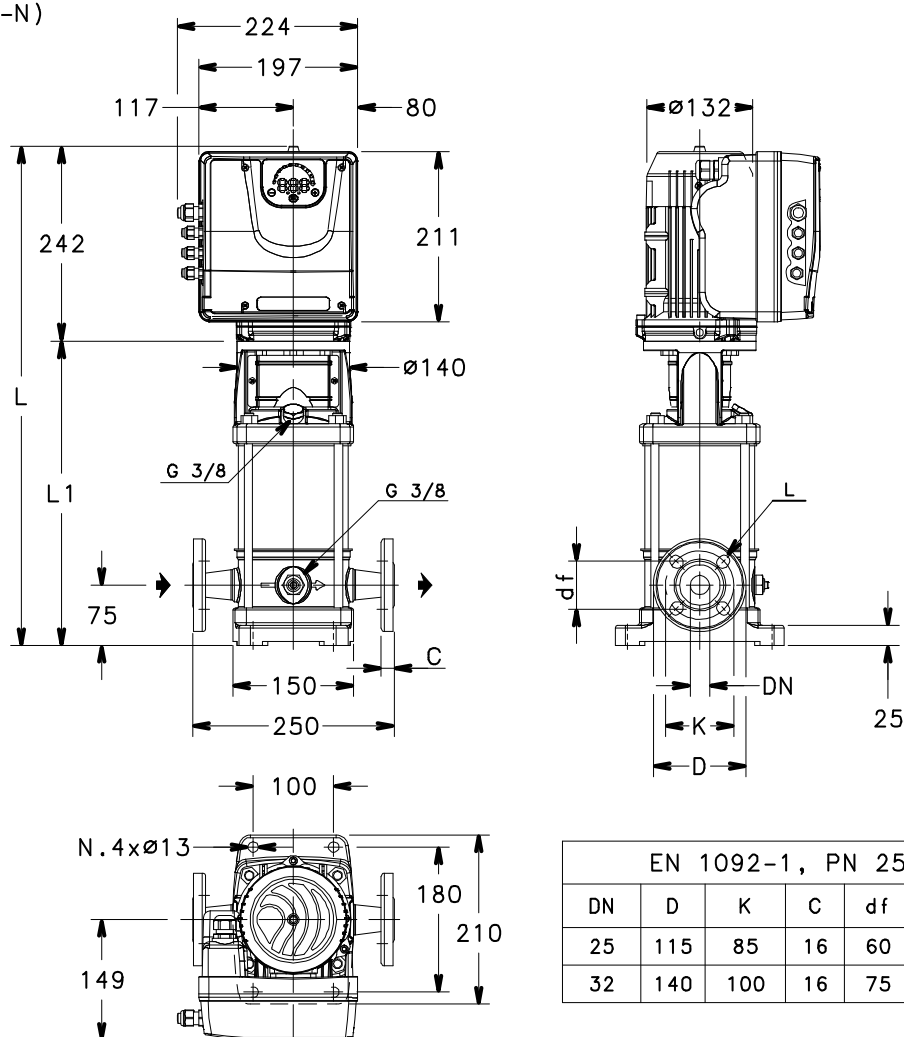
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**104632531**

**Drawing**

1-3-5SVE (F-N)



1-5SVEF-eSM\_A\_DD

**Dimensions mm**

|    |     |  |  |  |  |        |
|----|-----|--|--|--|--|--------|
| DN | 25  |  |  |  |  | Weight |
| L  | 780 |  |  |  |  | 23.2   |
| L1 | 538 |  |  |  |  | kg     |