

|              |             |            |
|--------------|-------------|------------|
| Customer     | Date        | 2017-02-14 |
| Contact      | Project     |            |
| Phone number | Project no. |            |
| Email        |             |            |

## 1HM02P03T5RVBE

104600010

### Operating data

|                           |                  |                           |                          |
|---------------------------|------------------|---------------------------|--------------------------|
| Pump type                 | Single head pump | Fluid                     | Water, pure              |
| No. of pumps / Reserve    | 1 / 0            | Operating temperature t A | °C 4                     |
| Nominal flow              | l/s 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 1000                   |

### Pump data

|                       |                |                  |                |
|-----------------------|----------------|------------------|----------------|
| Make                  | Lowara         | Nominal          | l/s ( )        |
| Speed                 | rpm 2900       | Flow             | Max- l/s .7    |
| Number of stages      | 2              |                  | Min- l/s       |
| Max. casing pressure  | kPa            | Nominal          | m              |
| Max. working pressure | kPa 217.9      | Head             | at Qmax m 10.4 |
| Head H(Q=0)           | m 22           |                  | at Qmin m 22.2 |
| Weight                | kg 6           | Shaft power      | kW ( )         |
|                       | Max. mm 73     | Max. shaft power | kW .2          |
| Impeller R            | designed mm 73 | Efficiency       | %              |
|                       | Min. mm 73     | NPSH 3%          | m              |

### Pump Materials

|                    |                     |
|--------------------|---------------------|
| Adapter            | Aluminium           |
| Bolts and screws   | Stainless steel     |
| Diffuser           | Stainless steel     |
| Fill / drain plugs | Nickel-plated brass |
| Impeller           | Technopolymer Noryl |
| Pump body          | Stainless steel     |
| Shaft              | Stainless steel     |
| Wear ring          | Technopolymer       |

### Shaft Seal

|                   |                            |
|-------------------|----------------------------|
| Mechanical Seal   | Roten                      |
| HM - uniten       |                            |
| Rotating Assembly | V-Ceramic                  |
| Fixed Assembly    | B-Resin impregnated carbon |
| Elastomers        | E - EPDM                   |
| Springs           | G-AISI 316                 |
| Other Components  | G-AISI 316                 |

|             |                 |
|-------------|-----------------|
| Seal casing | Stainless steel |
|-------------|-----------------|

### Motor data

|                 |                                  |                      |        |            |          |                  |          |
|-----------------|----------------------------------|----------------------|--------|------------|----------|------------------|----------|
| Manufacturer    | Lowara                           | Electric voltage     | 400 V  | Speed      | 2745 rpm | Insulation class | F        |
| Specific design | Three phase surface motor - e-HM |                      |        | Frame size | 56       | Colour           | RAL 5010 |
| Type            | SM63HM../303                     | Electric current     | 0.98 A | Weight     | 0 kg     |                  |          |
| Rated power     | 0.3 kW                           | Degree of protection | IP 55  |            |          |                  |          |

### Remarks:

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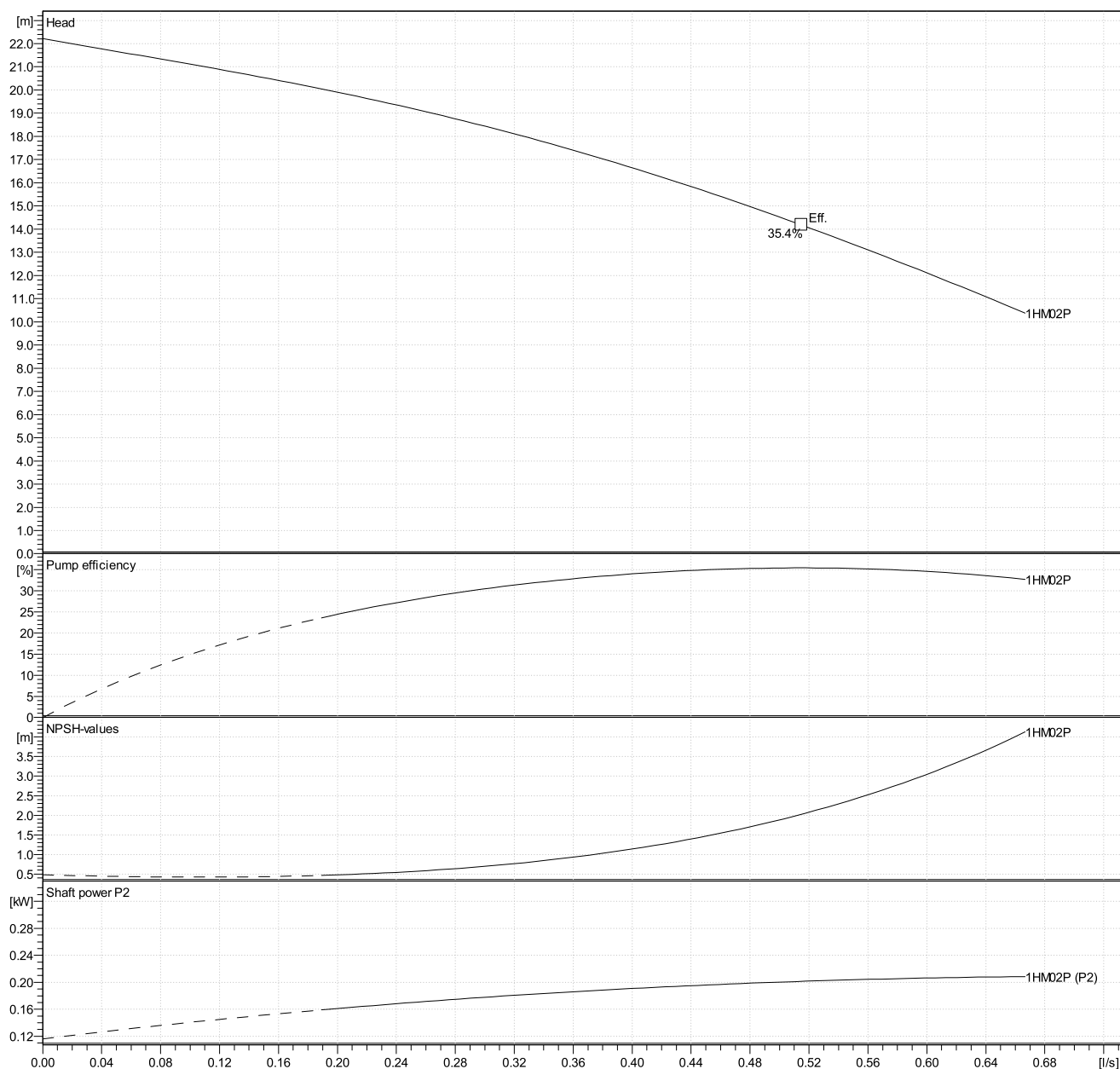
### Hydraulic Data

| Operating Data Specification |       | Hydraulic data (duty point) | Impeller design |          |
|------------------------------|-------|-----------------------------|-----------------|----------|
| Flow                         | 0 l/s | 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/m³; 1.57mm²/s

Performance according to ISO 9906 - Annex A

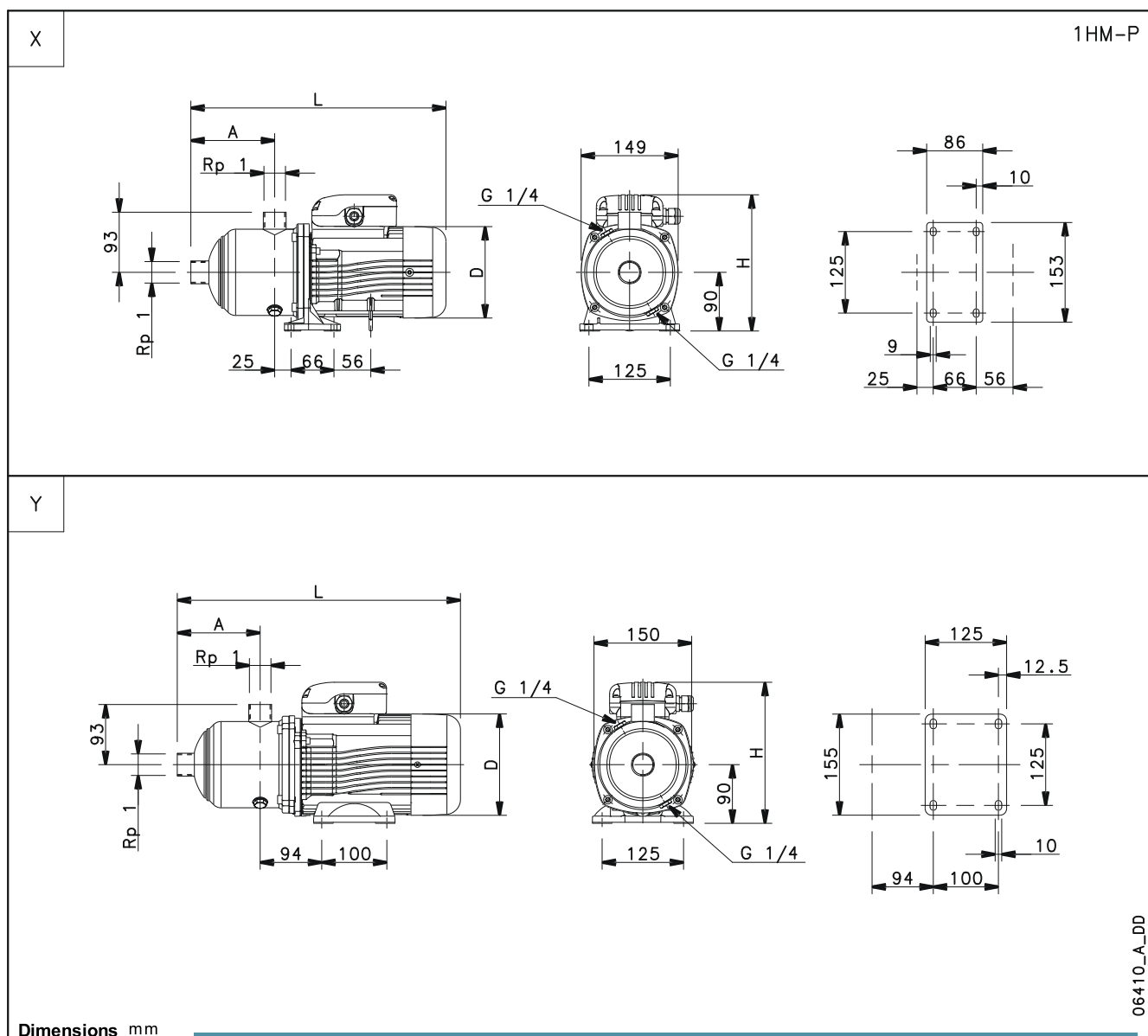


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**Drawing**



06410\_A\_DD

|         |     |  |  |  |  |        |
|---------|-----|--|--|--|--|--------|
| A       | 87  |  |  |  |  | Weight |
| D       | 120 |  |  |  |  | 6      |
| Drawing | X   |  |  |  |  | kg     |
| H       | 201 |  |  |  |  |        |
| L       | 336 |  |  |  |  |        |