

|              |             |           |
|--------------|-------------|-----------|
| Customer     | Date        | 12/8/2020 |
| Contact      | Project     |           |
| Phone number | Project no. |           |
| Email        |             |           |

## ESHE 25-125/11/S25RSNA

101860010

### 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 0                      |

### Pump data

|                       |                             |                  |                             |
|-----------------------|-----------------------------|------------------|-----------------------------|
| Make                  | Lowara                      | Nominal          | l/s ( )                     |
| Speed                 | rpm 2900                    | Flow             | Max- l/s 6.1                |
| Number of stages      | 1                           | Min-             | l/s 2.5                     |
| Max. casing pressure  | kPa                         | Nominal          | m                           |
| Max. working pressure | kPa 203.4                   | Head             | at Qmax m 10.7              |
| Head H(Q=0)           | m 21                        | at Qmin          | m 19                        |
| Weight                | kg                          | Shaft power      | kW ( )                      |
| Impeller R            | Max. mm 128                 | Max. shaft power | kW 1.1                      |
|                       | designed mm 128             | Efficiency       | %                           |
|                       | Min. mm 114                 | NPSH 3%          | m                           |
| Suction nozzle        | DN 50 PN 12 EN1092-2 (e-SH) | Discharge nozzle | DN 25 PN 12 EN1092-2 (e-SH) |

### Pump Materials

|                             |                             |
|-----------------------------|-----------------------------|
| Pump body                   | Stainless steel / AISI 316L |
| Impeller                    | Stainless steel / ASTM CF8M |
| SEAL HOUSING                | Stainless steel / AISI 316L |
| Wear Ring                   | Stainless steel / AISI 316L |
| Counterwear ring            | Stainless steel / AISI 316L |
| Shaft extension             | Stainless steel / AISI 316L |
| Rigid shaft coupling        | Stainless steel / AISI 316  |
| Impeller locknut and washer | Stainless steel / AISI 316  |
| Tab                         | Stainless steel / AISI 316L |

### Shaft Seal

|                   |                            |
|-------------------|----------------------------|
| Single Seal       |                            |
| e-SH - uniten     | Roten                      |
| Rotating Assembly | V-Ceramic                  |
| Fixed Assembly    | B-Resin impregnated carbon |
| Elastomers        | V-FKM (FPM)                |
| Springs           | G-AISI 316                 |
| Other Components  | G-AISI 316                 |

### Motor data

|                  |                               |                      |          |
|------------------|-------------------------------|----------------------|----------|
| Manufacturer     | Lowara                        | Electric voltage     | 400 V    |
| Specific design  | IE3 Three phase surface motor |                      |          |
| Type             | SM90R.../311 PE               |                      |          |
| Rated power      | 1.1 kW                        | Electric current     | 2.39 A   |
| Speed            | 2890 rpm                      | Degree of protection | IP 55    |
| Frame size       | 90R                           | Weight               | 11.4 kg  |
| Shaft diameter   | 0 mm                          | Colour               | RAL 5010 |
| Insulation class | F                             |                      |          |

### Coupling

|                     |  |
|---------------------|--|
| Manufacturer        |  |
| Series              |  |
| Type                |  |
| Frame size          |  |
| Spacer length       |  |
| Weight              |  |
| Coupling protection |  |

### Base plate

|             |  |
|-------------|--|
| Description |  |
| Weight      |  |

### Remarks:

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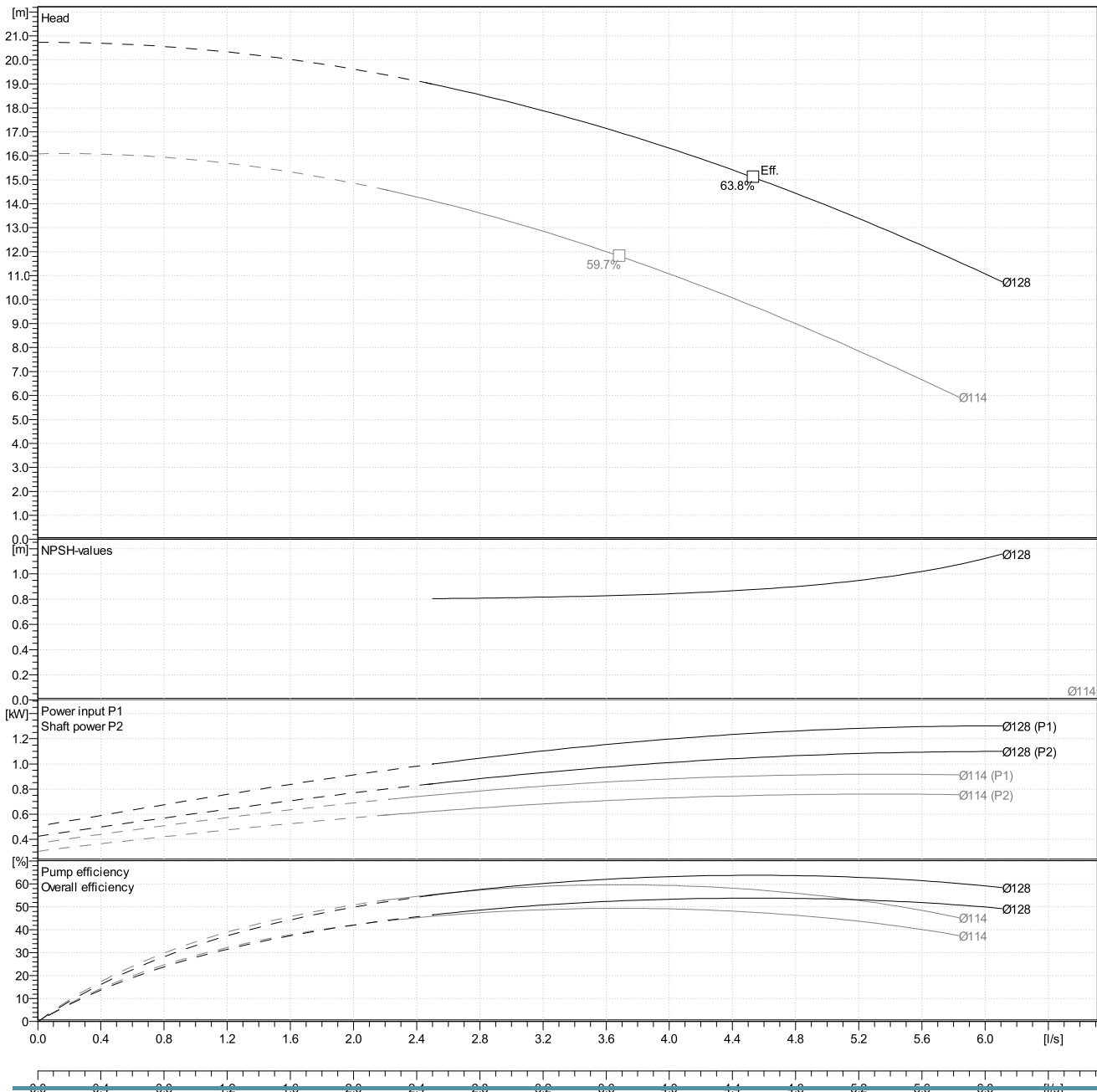
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#### Hydraulic data

| Operating Data Specification |       | Hydraulic data (duty point) |  | Impeller design |          |
|------------------------------|-------|-----------------------------|--|-----------------|----------|
| Flow                         | 0 l/s | Flow                        |  | Impeller R      | 128 mm   |
| Head                         | 0 m   | Head                        |  | Frequency       | 50 Hz    |
| Static head                  | 0 m   | MEI >=0,4                   |  | Speed           | 2900 rpm |

Power data 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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**Dimensions** mm/l

|      |     |              |         |
|------|-----|--------------|---------|
| a    | 80  |              |         |
| B    | 218 |              |         |
| DNA  | 50  |              |         |
| DNM  | 25  |              |         |
| h1   | 160 |              |         |
| h2   | 140 |              |         |
| Hmax | 300 |              |         |
| k    | 98  |              |         |
| L    | 443 |              |         |
| n    | 190 |              |         |
| n1   | 130 |              |         |
| x    | 129 |              |         |
|      |     | Total weight | 20.6 kg |

**Connections** mm

|                 |                  |
|-----------------|------------------|
| Suction nozzle  | Discharge nozzle |
| DN 50           | DN 25            |
| PN 12           | PN 12            |
| EN1092-2 (e-SH) | EN1092-2 (e-SH)  |

|               |     |               |     |
|---------------|-----|---------------|-----|
| D             | 165 | D             | 115 |
| Dia. Holes    | 18  | Dia. Holes    | 18  |
| DN            | 50  | DN            | 25  |
| G             | 83  | G             | 56  |
| M             | 125 | M             | 85  |
| Max thickness | 18  | Max thickness | 16  |
| N° Holes      | 4   | N° Holes      | 4   |

**Drawing**

