

|              |             |            |
|--------------|-------------|------------|
| Customer     | Date        | 2015-11-05 |
| Contact      | Project     |            |
| Phone number | Project no. |            |
| Email        |             |            |

**5SV08T011T**

RSK 5882989

**1016LC850**

### Operating data

|                           |                  |                           |             |
|---------------------------|------------------|---------------------------|-------------|
| Pumpe type                | Single head pump | Fluid                     | Water, pure |
| No. of pumps / Reserve    | 1 / 0            | Operating temperature t A | °C 4        |
| Nominal flow              | m³/h 0           | pH-value at t A           | 7           |
| Nominal head              | m 0              | Density at t A            | kg/dm³ 1    |
| Static head               | m 0              | Kin. viscosity at t A     | mm²/s 1,569 |
| Inlet pressure            | bar 0,098        | Vapor pressure at t A     | bar 0,0234  |
| Environmental temperature | °C 20            | Solids                    | 0           |
| Available system NPSH     | m 0              | Altitude                  | m 1000      |

### Pump data

|                       |            |                  |          |
|-----------------------|------------|------------------|----------|
| Make                  | Low ara    | Nominal          | m³/h ( ) |
| Speed                 | 1/min 2900 | Max-             | m³/h 8,5 |
| Number of stages      | 8          | Min-             | m³/h     |
| Max. casing pressure  | bar        | Nominal          | m        |
| Max. working pressure | bar 5,9    | Head at Qmax     | m 25,2   |
| Head H(Q=0)           | m 60       | at Qmin          | m 60,1   |
| Weight                | kg 24      | Shaft power      | kW ( )   |
| Max.                  | mm 76      | Max. shaft power | kW 1,1   |
| Impeller R designed   | mm 76      | Efficiency       | %        |
| Min.                  | mm 76      | 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                  |
| Coupling                 | Aluminium                  |
| Seal casing              | Stainless steel / AISI 304 |
| Elastomers               | EPDM                       |
| Coupling protection      | Stainless steel / AISI 304 |
| Shaft sleeve and bushing | Tungsten carbide           |
| Fill / drain plugs       | Stainless steel / AISI 304 |
| Base                     | Aluminium                  |
| Wear ring                | Technopolymer PPS          |
| Tie rods                 | Stainless steel            |

### 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    | Low ara                       | Electric voltage     | 400 V  | Speed      | 2890 1/min | Insulation class | F        |
| Specific design | IE3 Three phase surface motor |                      |        | Frame size | 80         | Colour           | RAL 5010 |
| Type            | SM80.../311 PE                | Electric current     | 2,39 A |            |            |                  |          |
| Rated power     | 1,1 kW                        | Degree of protection | IP 55  |            |            |                  |          |

### Remarks:

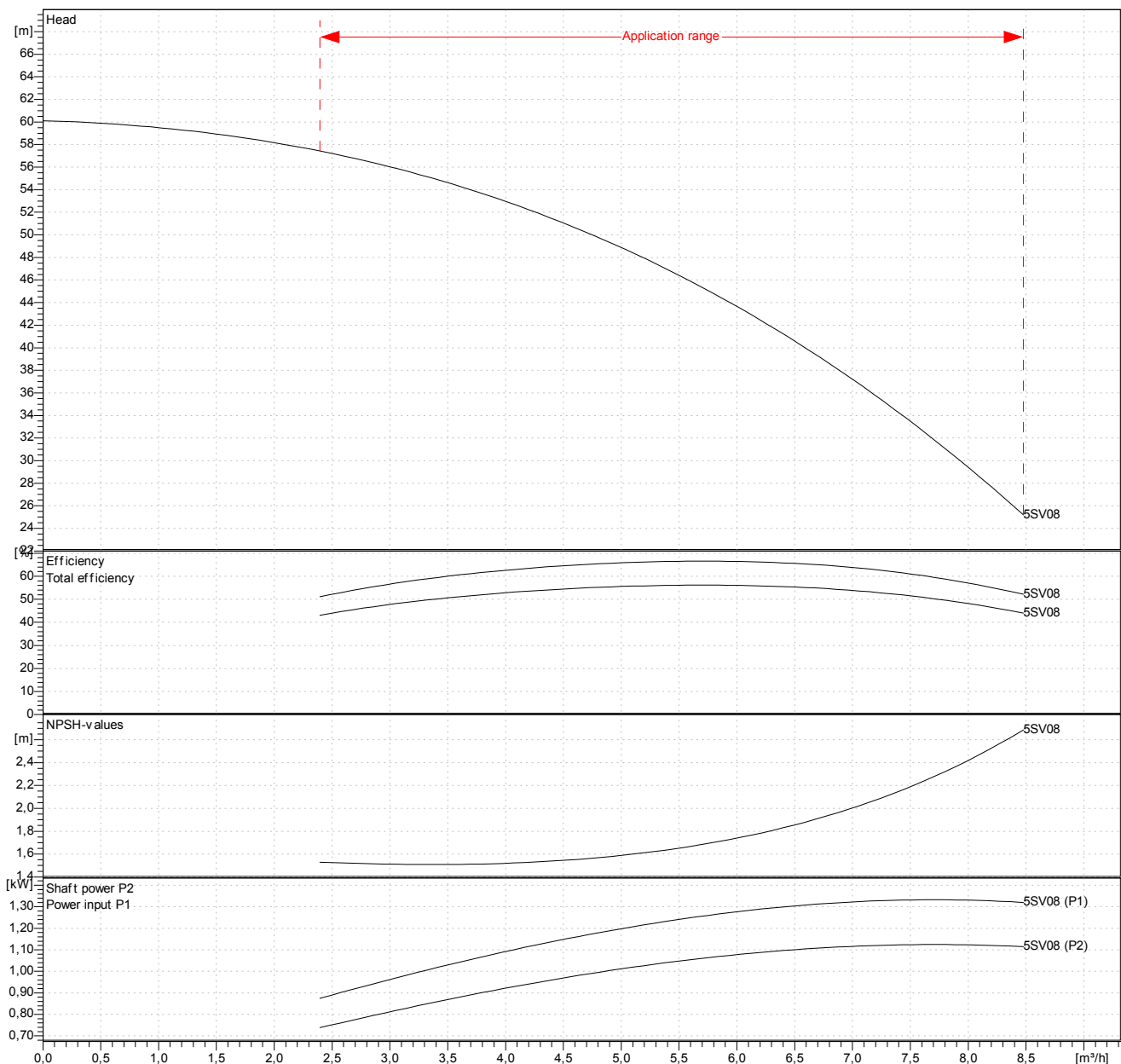
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## 5SV08T011T 1016LC850

### Hydraulic data

| Operating Data Specification |        | Hydraulic data (duty point) |  | Impeller design |            |
|------------------------------|--------|-----------------------------|--|-----------------|------------|
| Flow                         | 0 m³/h | Flow                        |  | Impeller R      | 76 mm      |
| Head                         | 0 m    | Head                        |  | Frequency       | 50 Hz      |
| Static head                  | 0 m    | MEI >= 0,7                  |  | Speed           | 2900 1/min |

**Power datas referred to:**  
Water, pure [100%] ; 4°C; 1kg/dm³; 1,57mm²/s  
Performance according to ISO 9906 - Annex A



5SV08T011T  
1016LC850

### Drawing



|    |     |  |  |  |  |                   |
|----|-----|--|--|--|--|-------------------|
| D1 | 155 |  |  |  |  | Weight<br>23,5 kg |
| D2 | 120 |  |  |  |  |                   |
| L1 | 428 |  |  |  |  |                   |
| L2 | 263 |  |  |  |  |                   |
| L3 | 428 |  |  |  |  |                   |
| L4 | 267 |  |  |  |  |                   |
| L5 | 403 |  |  |  |  |                   |
| L6 | 403 |  |  |  |  |                   |
| M  | 129 |  |  |  |  |                   |