

| | | |
|--------------|-------------|-----------|
| Customer | Date | 9/18/2017 |
| Contact | Project | |
| Phone number | Project no. | |
| Email | | |

5SV04F005T

1016L0811

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 ³ /h 0 | pH-value at t A | 7 |
| Nominal head | m 0 | Density at t A | kg/m ³ 1000 |
| Static head | m 0 | Kin. viscosity at t A | mm ² /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 | m ³ /h () |
| Speed | rpm 2900 | Flow | Max- m ³ /h 8.5 |
| Number of stages | 4 | | Min- m ³ /h |
| Max. casing pressure | kPa | Nominal | m |
| Max. working pressure | kPa 294.2 | Head | at Qmax m 12 |
| Head H(Q=0) | m 30 | | at Qmin m 30 |
| Weight | kg 16 | Shaft power | kW () |
| | Max. mm 76 | Max. shaft power | kW .5 |
| 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 |
| 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 | 400 V | Speed | 2850 rpm | Insulation class | F |
| Specific design | Three phase surface motor | | | Frame size | 71 | Colour | RAL 5010 |
| Type | SM71.../305 | Electric current | 1.48 A | | | | |
| Rated power | 0.55 kW | Degree of protection | IP 55 | | | | |

Remarks:

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Hydraulic data

| Operating Data Specification | | Hydraulic data (duty point) | | Impeller design | |
|------------------------------|---------------------|-----------------------------|--|-----------------|----------|
| Flow | 0 m ³ /h | Flow | | Impeller R | 76 mm |
| Head | 0 m | Head | | Frequency | 50 Hz |
| Static head | 0 m | MEI >= 0,7 | | Speed | 2900 rpm |

Power data referred to:
 Water, pure [100%] ; 4°C; 1000kg/m³; 1.57mm²/s
 Performance according to ISO 9906:2012 – Grade 3B



