

8GS11M-L4C

| | | | | | | |
|-----------------------|------------------------------|---|----------------------|---------------------------|---------------------------|----------------------------------|
| Company | | Customer | | Date | | 1/7/2021 |
| Contact | | Contact | | Item no. | | 104152710 |
| Phone number | | Phone number | | Project | | |
| Email | | Email | | Project no. | | |
| Operating data | | | | | | |
| 1 | Pumpe type | Single head pump | | Fluid | | Water, pure |
| 2 | No. of pumps / Reserve | 1 / | | Operating temperature t A | | °C 4 |
| 3 | Nominal flow | m ³ /h | 0 | pH-v value at t A | | 7 |
| 4 | Nominal head | m | 0 | Density at t A | | kg/m ³ 1000 |
| 5 | Static head | m | 0 | Kin. viscosity at t A | | mm ² /s 1.569 |
| 6 | Inlet pressure | kPa | 0 | Vapor pressure at t A | | kPa 100 |
| 7 | Environmental temperature | °C | 20 | Solids | | 0 |
| 8 | Available system NPSH | m | 0 | Altitude | | m 0 |
| Pump data | | | | | | |
| 9 | Pump designation | 8GS11M-L4C | | Impeller Ø | | Max. mm |
| 10 | Design | Borehole pumps | | designed | | mm |
| 11 | Make | Lowara | | Min. | | mm |
| 12 | Speed | rpm | 2900 | Flow | | Nominal m ³ /h () |
| 13 | Number of stages | 7 | | Max- | | m ³ /h 11 |
| 14 | Suction nozzle | / / | | Min- | | m ³ /h 3.5 |
| 15 | Discharge nozzle | / / | | Head | | Nominal m |
| 16 | Max. casing pressure | kPa | | at Qmax | | m 13.1 |
| 17 | Max. working pressure | kPa | 451.7 | at Qmin | | m 40.7 |
| 18 | Impeller type | | | Shaft power | | kW () |
| 19 | Impeller design | | | Max. shaft power | | kW 1 |
| 20 | Head H(Q=0) | m | 46 | Efficiency | | % |
| 21 | Weight | kg | 15 | NPSH 3% | | m |
| Materials | | | | | | |
| 22 | Pump | | | | | |
| 23 | Valve cap | Stainless steel / AISI 304 | | Motor adapter | | Stainless steel / CF-8 ASTM A743 |
| 24 | Valve gasket | NBR | | Discharge head | | Stainless steel / CF-8 ASTM A743 |
| 25 | Valve flange | Stainless steel / AISI 304 | | Screws, nuts, washers | | Stainless steel / AISI 316 |
| 26 | Valve locking ring | Stainless steel / AISI 302 | | BUSH | | Technopolymer PU |
| 27 | Adapter ring | Technopolymer PPO | | Diffuser | | Technopolymer PPO |
| 28 | Upper bush bracket | Technopolymer PPO | | Impeller | | Technopolymer PPO |
| 29 | Thrust bearing | Stainless steel / AISI 304 | | Bowl | | Stainless steel / AISI 304 |
| 30 | WASHER | Stainless steel / AISI 304 | | Intermediate bush | | Stainless steel / CF-8 ASTM A743 |
| 31 | Intermediate bush | Technopolymer PPO | | Cable guard | | Stainless steel / AISI 304 |
| 32 | bracket_pos9 Shaft Sleeve | Stainless steel / AISI 304 | | Shim | | Stainless steel / AISI 304 |
| 33 | Sleeve | Stainless steel / AISI 304 | | Upper pump shaft | | Stainless steel / AISI 304 |
| 34 | Upper sleeve | Stainless steel / AISI 304 | | Intermediate coupling | | Stainless steel / AISI 316 |
| 35 | Pump shaft | Stainless steel / AISI 304 | | Spacer | | Stainless steel / AISI 304 |
| 37 | Coupling | Stainless steel / AISI 304 | | | | |
| 36 | Strainer | Stainless steel / AISI 304 | | | | |
| 38 | | | | | | |
| Motor data | | | | Cable | | |
| 39 | Manufacturer | Lowara | Electric voltage | 220 V | Cable type | |
| 40 | Specific design | 1 phase submersible canned motor (e-GS) | | Cable cross section | | mm ² |
| 41 | Type | L4C11M235 | Electric current | 8 A | Environmental temperature | |
| 42 | Rated power | 1.1 kW | Degree of protection | IP68 | Cable length | |
| 43 | Speed | 2820 rpm | Insulation class | 155 (F) | °C 20 | |
| 44 | Frame size | 56 | | | | |
| 45 | Weight | 0 kg | | | | |
| Base plate | | | | Remarks: | | |
| 46 | Name | | | | | |
| 47 | Weight | kg | | | | |

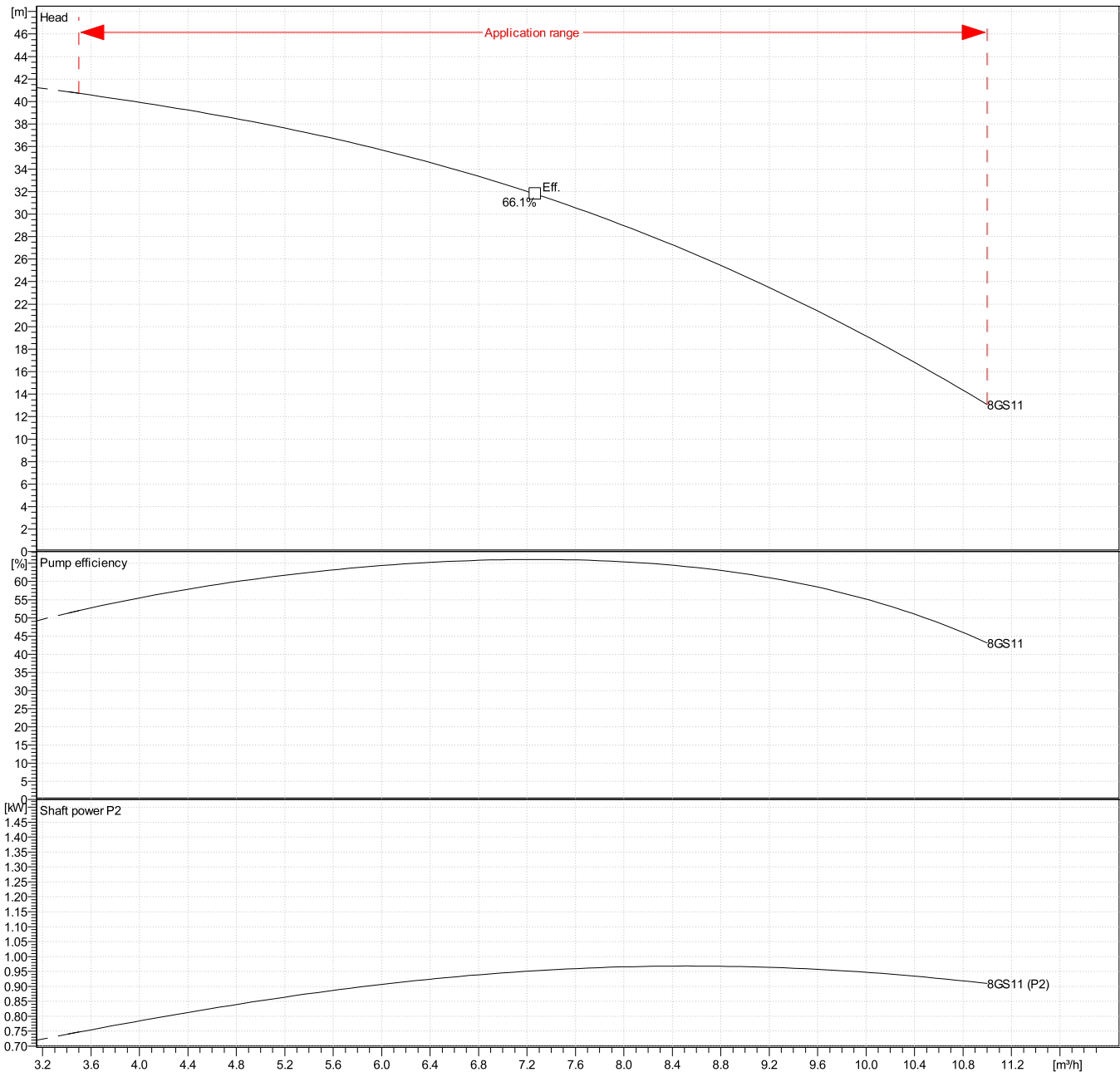
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| Operating Data Specification | Hydraulic data (duty point) | Impeller design | |
| Flow | Flow | Impeller R | 0 mm |
| Head | Head | Frequency | 50 Hz |
| Static head | MEI >=0,4 | Speed | 2900 rpm |

Power datas refered to:

Water, pure [100%] ; 4°C; 1000kg/m³; 1.57mm²/s

Performance according to ISO 9906:2012 – Grade 3B



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Dimensions

mm

| | | | | | | | |
|-----|------|--|--|--|--|----------------|--------|
| DNM | Rp 2 | | | | | Suction side | |
| L | 723 | | | | | / PN | |
| | | | | | | Discharge side | |
| | | | | | | / PN | |
| | | | | | | Weight | 14.6kg |

