

1HM02S03M6FVBE

Technical data

Company name
Contact
Phone number
e-mail address

Operating data

| | | | |
|---------------------------|------------------|---------------------------|-----------------------------|
| Pump type | Single head pump | Fluid | Water |
| Available system NPSH | ft 0 | Operating temperature t A | °F 39.2 |
| Nominal flow | US g.p.m. 0 | pH-value at t A | 7 |
| Nominal head | ft 0 | Density at t A | lb/ft ³ 62.4 |
| Static head | ft 0 | Kin. viscosity at t A | ft ² /s 1.689E-5 |
| Inlet pressure | psi 0 | Vapor pressure at t A | psi 14.5 |
| Environmental temperature | °F 68 | Solids | 0 |
| | | Altitude | ft 0 |

Pump data

| | | | |
|-----------------------|---------------------|------------------|---------------------|
| Make | Lowara | Nominal | US g.p.m. () |
| Speed | rpm 3500 | Flow | Max- US g.p.m. 12.3 |
| Number of stages | 2 | | Min- US g.p.m. |
| Max. casing pressure | psi | Nominal | ft |
| Max. working pressure | psi 24.7 | Head | at Qmax ft 33.2 |
| Head H(Q=0) | ft 57 | | at Qmin ft 56.9 |
| Weight | lb 13 | Shaft power | hp () |
| | Max. inch 2 7/8 | Max. shaft power | hp .2 |
| Impeller R | designed inch 2 7/8 | Efficiency | % |
| | Min. inch 2 7/8 | NPSH 3% | ft |

Pump Materials

| | |
|--------------------|----------------------------|
| Pump body | Stainless steel / AISI 304 |
| Impeller | Stainless steel / AISI 304 |
| Diffuser | Stainless steel / AISI 304 |
| Shaft | Stainless steel / AISI 316 |
| Adapter | Aluminium |
| SEAL HOUSING | Stainless steel / AISI 304 |
| Fill / drain plugs | Stainless steel / AISI 316 |
| Wear ring | Technopolymer |
| Bolts and screws | Stainless steel / AISI 304 |

Shaft Seal

| | |
|----------------------|---------------------------|
| e-HM Mechanical seal | Roten |
| e-HM - Roten | |
| 1 - Rotating part | Aluminium oxide (Ceramic) |
| 2 - Stationary part | Carbon, resin-impregnated |
| 3 - Elastomers | EPDM |
| 4 - Springs | AISI 316 |
| 5 - Other components | AISI 316 |

Motor data

| | | | | | | | |
|------------------|----------------------|----------------------|-------|------------|----------|------------------|----------|
| Manufacturer | Lowara | Electric voltage | 222 V | Speed | 3430 rpm | Insulation class | F |
| Specific design | IE2 1ph Flange Motor | | | Frame size | 63 | Colour | RAL 5010 |
| Type | SM63HM/103 E2 | | | | | | |
| Rated power | 0.40231 hp | Degree of protection | IP55 | | | | |
| Electric current | 2.49 A | | | | | | |

Remarks:

1HM02S03M6FVBE

Performance curve

Company name
Contact
Phone number
e-mail address

Hydraulic data

| Operating Data Specification | | Hydraulic data (duty point) | | Impeller design | |
|------------------------------|-------------|-----------------------------|--|-----------------|------------|
| Flow | 0 US g.p.m. | Flow | | Impeller R | 2 7/8 inch |
| Head | 0 ft | Head | | Frequency | 60 Hz |
| Static head | 0 ft | | | Speed | 3500 rpm |

Power datas referred to:

Water [100%] ; 39.2°F; 62.4lb/ft³; 1.69E-5ft²/s

Performance according to ISO 9906:2012 – Grade 3B



