

Technical data

Pump name OYM SB 3-23/0.55

| | | | |
|----------|------------|---------------------------------------|-----------|
| Customer | Date | 2024-06-16 | Company |
| Contact | Item no. | | Issued by |
| Phone | Project | | Phone |
| E-mail | Project ID | Proiect redenumit 2024-06-16 15:45:44 | E-mail |

Requested data

| | | | | |
|---|---------------------------|----------------------------|--------------------|-------------|
| 1 | Pump type | CENTRIFUGAL BOREHOLE PUMPS | Fluid | Water |
| 2 | Number of pumps / Reserve | 1 / 0 | Liquid temperature | °C 20 |
| 3 | Flow | m³/h | Kin. viscosity | mm²/s 1.005 |
| 4 | Head | m | Vapour pressure | bar 0.0234 |
| 5 | Geodetic head | m | PH value | |
| 6 | Inlet pressure (pin) | bar 0 | Density | kg/m³ 998.3 |
| 7 | Available system NPSH | | Solids | Weight % 0 |
| 8 | Ambient temperature | °C 20 | | |

Pump

| | | | | |
|----|------------------------|-----------------------------------|-----------------------------------|----------------------|
| 9 | Pump name | OYM SB 3-23/0.55 | Frequency | Hz 50 |
| 10 | Design | CENTRIFUGAL BOREHOLE PUMPS | Installation type | with EBARA MOTOR OIL |
| 11 | Manufacturer | EBARA | Impeller Diameter | Max. mm 0 |
| 12 | Speed | rpm 2800 | | Designed mm |
| 13 | No. of Stage | 23 | | Min. mm 0 |
| 14 | Connection | Suction side | Flow | Operating m³/h |
| 15 | Connection | Discharge side G 1" | | Max- m³/h 2.7 |
| 16 | Max Working Pressure | bar | | Min- m³/h 0.6 |
| 17 | Shut-off head | bar 6.87 | Head | Operating m |
| 18 | Total weight | kg See the table of "Dimensions". | | - (Qmax.) m 14.9 |
| 19 | Shaft power | kW | | - (Qmin.) m 63.2 |
| 20 | Max. fluid temperature | °C 40 | Max. Shaft Power at max. impeller | kW 0.39 |
| 21 | Required pump NPSH | m | Efficiency | % |

Materials

| | | | | |
|----|---------------------|-------------------|--|--|
| 22 | Impeller | Noryl GFN2 | | |
| 23 | Intermediate casing | POM-C Polyacetals | | |
| 24 | Shaft | AISI 430 F | | |
| 25 | | | | |
| 26 | | | | |
| 27 | | | | |

Motor

| | | | | |
|----|----------------------|--|------------------|--------|
| 28 | Manufacturer | EBARA MOTOR | Insulation class | F |
| 29 | Type | SB 3-23/0.55 M_230_Single Phase | Phases | 1~ |
| 30 | Specific design | Submersible oil filled type / 50 Hz / Pole pairs 1 | Frame size | 3" |
| 31 | Rated power | kW 0.55 | Weight | kg 6.4 |
| 32 | Number of poles | 2 | Electric voltage | V 230 |
| 33 | Speed | rpm 2800 | Electric current | A 4.5 |
| 34 | Degree of protection | IP 58 | | |
| 35 | | | | |

Remarks

Performance curve

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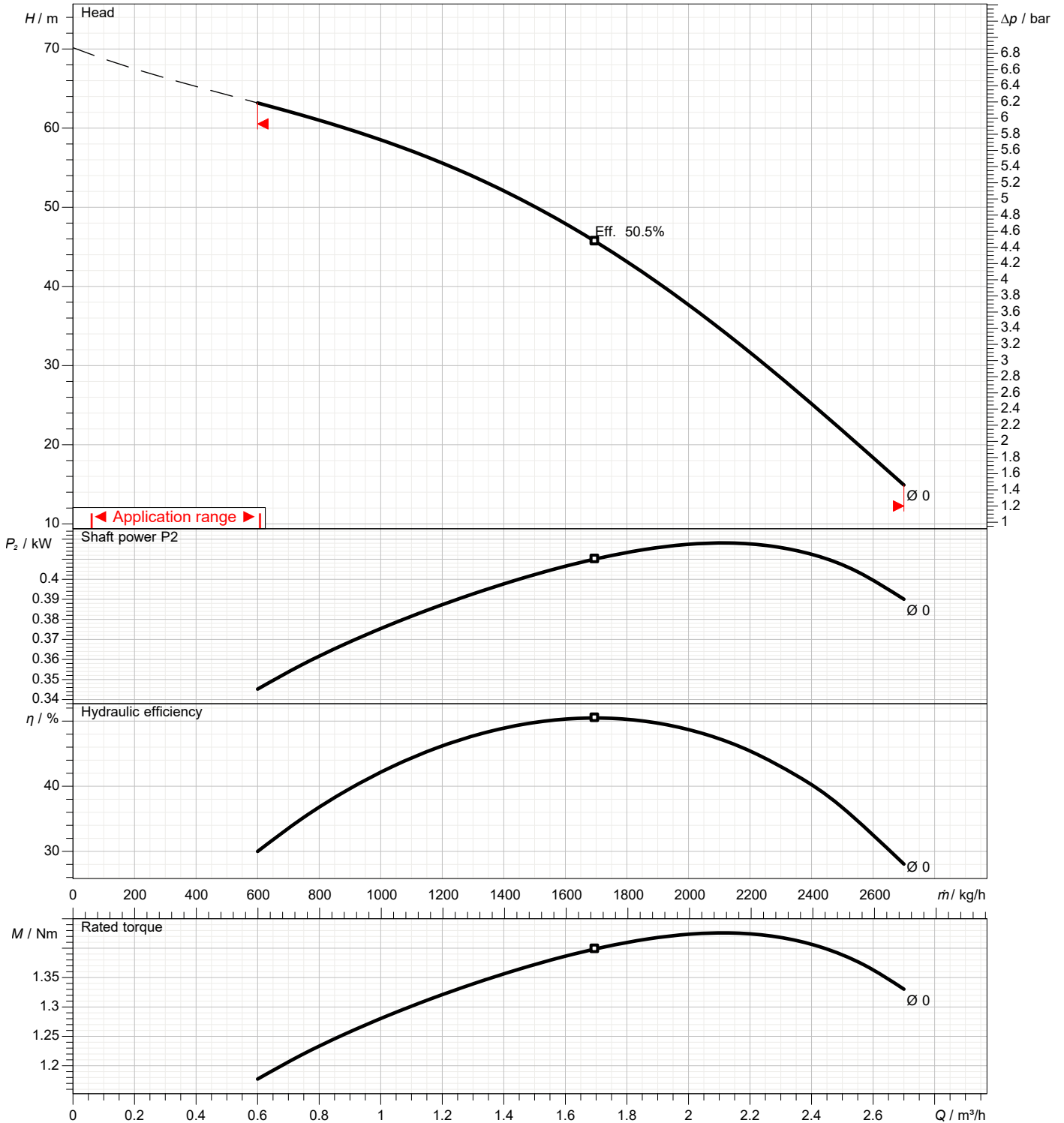
Requested data

| | | | |
|---|---------------|-------------------|--|
| 1 | Flow | m ³ /h | |
| 2 | Head | m | |
| 3 | Geodetic head | m | |

Pump

| | | | | | |
|----------------|-------------------|--|----------------------------|-----|------|
| Operating flow | m ³ /h | | Impeller Diameter Designed | mm | |
| Operating head | m | | Frequency | Hz | 50 |
| | | | Speed | rpm | 2800 |

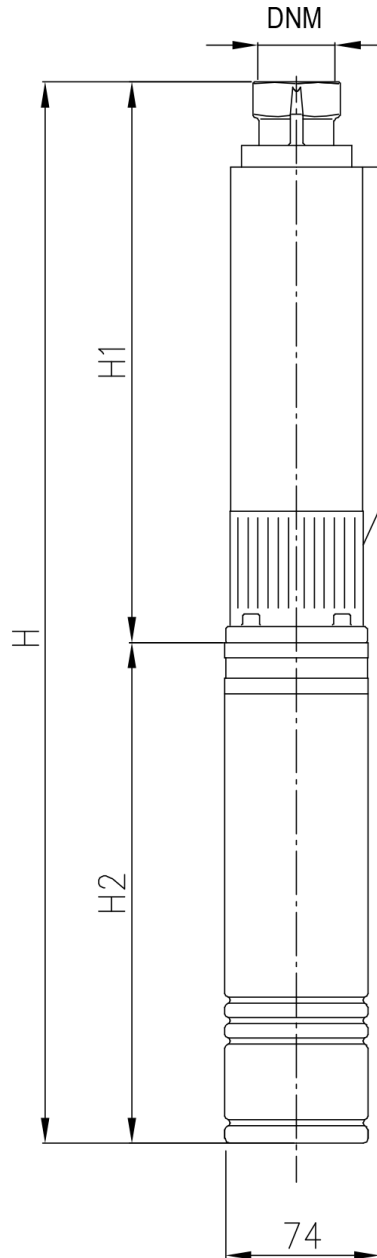
Water; 20°C; 998.3kg/m³; 1mm²/s



Dimensions

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| | | |
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| Dimensions in | | mm | | | | | | |
|---------------|------------|---------|--|--|--|--|--|--|
| 1 | DNM | G 1" | | | | | | |
| 2 | H | 3 | | | | | | |
| 3 | H1 | 780 | | | | | | |
| 4 | H2 | 397 | | | | | | |
| 5 | Weight P&M | 10,5 kg | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |
| 11 | | | | | | | | |
| 12 | | | | | | | | |
| 13 | | | | | | | | |
| 14 | | | | | | | | |
| 15 | | | | | | | | |

Dimensions

| | | | |
|----------|------------|---------------------------------------|-----------|
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(2/2)

Construction

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| N° | PART NAME | MATERIAL | Q.TY |
|----|------------------|-----------------------|------|
| 1 | Plug | PVC | 1 |
| 2 | Valve | POM-C Polyacetals | 1 |
| 3 | O-Ring | NBR | 1 |
| 4 | Discharge casing | EN 1.4301 (AISI 304) | 1 |
| 5 | Valve seat | Noryl GFN2 | 1 |
| 6 | Bearing seat | Noryl GFN2 | 1 |
| 7 | Bearing | PUR Polyurethane | 1 |
| 8 | Screw | EN 1.4301 (AISI 304) | 1 |
| 9 | Washer | EN 1.4301 (AISI 304) | 1 |
| 10 | Washer | EN 1.4401 (AISI 316) | 1 |
| 11 | Bearing | EN 1.4401 (AISI 316) | 1 |
| 12 | Spacer | Noryl GFN2 | 1 |
| 13 | Diffuser plate | POM-C Polyacetals | 1 |
| 14 | Diffuser | POM-C Polyacetals | 23 |
| 15 | Washer | EN 1.4301 (AISI 304) | 1 |
| 16 | Impeller | Noryl GFN2 | 23 |
| 17 | Diffuser plate | POM-C Polyacetals | 23 |
| 18 | Pump casing | EN 1.4301 (AISI 304) | 1 |
| 19 | Screw | EN 1.4301 (AISI 304) | 4 |
| 20 | Cable cover | EN 1.4016 (AISI 430) | 1 |
| 21 | Suction casing | EN 1.4301 (AISI 304) | 1 |
| 22 | Screw | EN 1.4301 (AISI 304) | 2 |
| 23 | Strainer | EN 1.4016 (AISI 430) | 1 |
| 24 | Shaft | EN 1.4105 (AISI 430F) | 1 |
| 25 | Spacer | Noryl GFN2 | 1 |
| 26 | Coupling | EN 1.4401 (AISI 316) | 1 |
| 27 | Washer | EN 1.4401 (AISI 316) | 1 |
| 28 | Screw | EN 1.4301 (AISI 304) | 1 |
| 29 | Diffuser plate | POM-C Polyacetals | 1 |
| 30 | Adjusting ring | EN 1.4301 (AISI 304) | 2 |
| 31 | Spacer | Noryl GFN2 | 1 |
| 32 | Sleeve | EN 1.4401 (AISI 316) | 1 |
| 33 | Bearing | PUR Polyurethane | 1 |
| 34 | Bearing seat | Noryl GFN2 | 1 |
| 35 | Spacer | Noryl GFN2 | 1 |
| 36 | Diffuser plate | POM-C Polyacetals | 1 |
| 37 | Diffuser | POM-C Polyacetals | 1 |