

# Technical Data

Pump Name

BHSE 10260-1-R2 5/22.4 M6G

|          |            |                                       |           |
|----------|------------|---------------------------------------|-----------|
| Customer | Date       | 2024-06-13                            | Company   |
| Contact  | Item no.   |                                       | Issued by |
| Phone    | Project    |                                       | Phone     |
| E-mail   | Project ID | Proiect redenumit 2024-06-13 09:28:44 | E-mail    |

## Requested data

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

## Pump

|    |                           |                              |                                   |                |          |
|----|---------------------------|------------------------------|-----------------------------------|----------------|----------|
| 9  | Pump Name                 | BHSE 10260-1-R2 5/22.4 M6G   | Frequency                         | Hz             | 50       |
| 10 | Design                    | SUBMERSIBLE MULTISTAGE PUMPS | Installation type                 |                | STANDARD |
| 11 | Manufacturer              | EBARA                        | Impeller Diameter                 | Max. mm        | 159      |
| 12 | Speed                     | rpm                          |                                   | Designed mm    | 159      |
| 13 | No. of Stage              | 1                            |                                   | Min. mm        | 159      |
| 14 | Connection Suction side   |                              | Flow                              | Operating m³/h |          |
| 15 | Connection Discharge side |                              |                                   | Max- m³/h      | 265      |
| 16 | Max Working Pressure      | bar                          |                                   | Min- m³/h      | 100      |
| 17 | Shut-off head             | bar                          | Head                              | Operating m    |          |
| 18 | Total weight              | kg                           |                                   | - (Qmax.) m    | 17.9     |
| 19 | Shaft power               | kW                           |                                   | - (Qmin.) m    | 32.2     |
| 20 |                           |                              | Max. Shaft Power at max. impeller | kW             | 20.65    |
| 21 | Required pump NPSH        | m                            | Efficiency                        | %              |          |

## Materials

|    |          |                                     |               |                 |
|----|----------|-------------------------------------|---------------|-----------------|
| 22 | Casing   | Casting iron                        | Washers       | Stainless steel |
| 23 | Impeller | Stainless steel - precision casting | Paint (Motor) | Synthetic alkyd |
| 24 | Shaft    | Stainless steel                     |               |                 |
| 25 | Stainet  | Stainless steel                     |               |                 |
| 26 | Screw    | Stainless steel                     |               |                 |
| 27 | Nuts     | Stainless steel                     |               |                 |

## Motor

|    |                      |                                                      |                  |    |
|----|----------------------|------------------------------------------------------|------------------|----|
| 28 | Manufacturer         | EBAS                                                 | Insulation class | Y  |
| 29 | Type                 | M6G 30HP 220V TRIF. 50Hz                             | Phases           | 3~ |
| 30 | Specific design      | Submersible water filled type / 50 Hz / Pole pairs 1 | Frame size       | 6  |
| 31 | Rated power          | kW                                                   | Weight           | kg |
| 32 | Number of poles      | 2                                                    | Electric voltage | V  |
| 33 | Speed                | rpm                                                  | Electric current | A  |
| 34 | Degree of protection | IP 68                                                |                  |    |
| 35 |                      |                                                      |                  |    |

## Remarks

# Performance Curve

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## Requested data

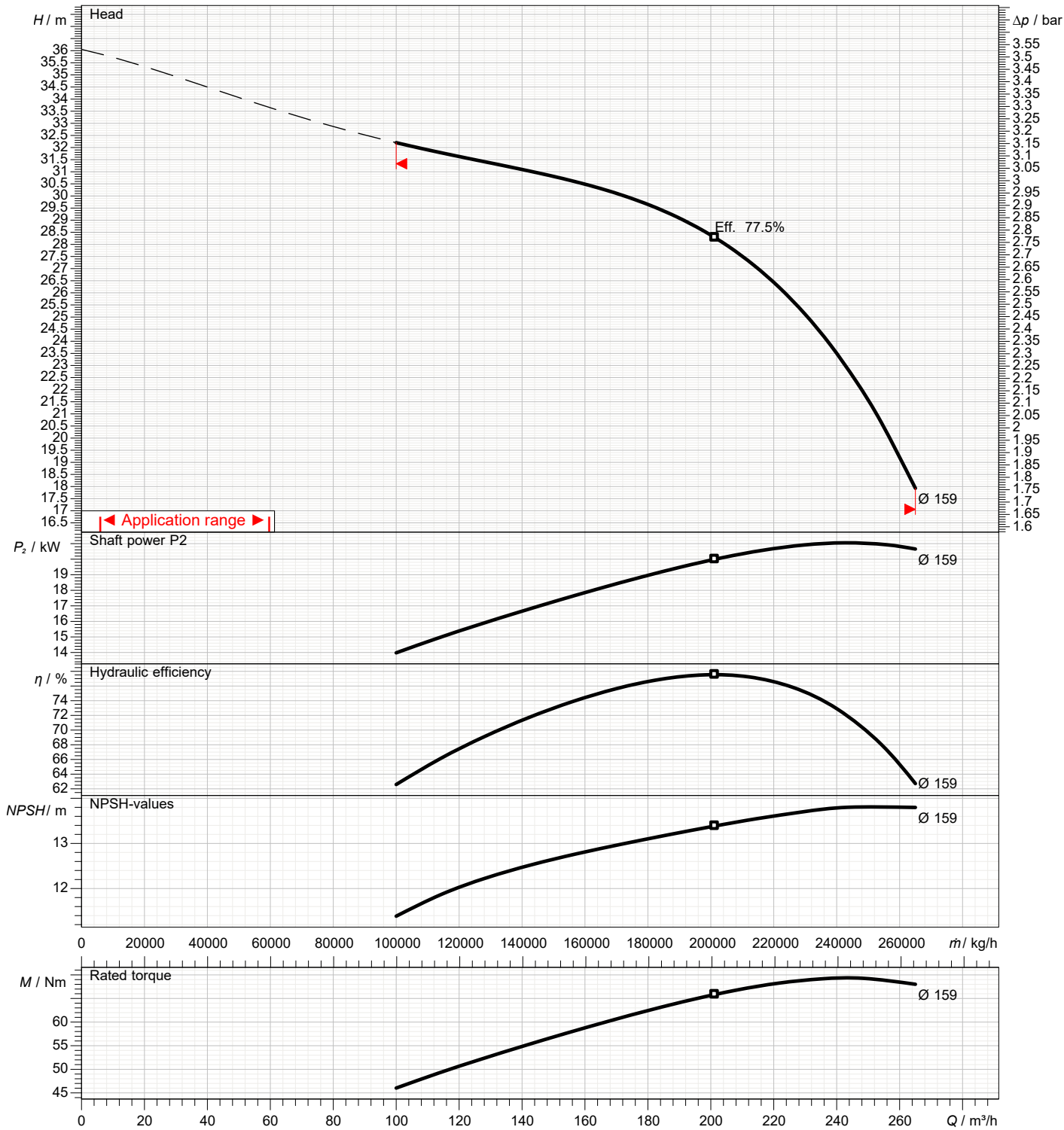
|   |               |      |  |
|---|---------------|------|--|
| 1 | Flow          | m³/h |  |
| 2 | Head          | m    |  |
| 3 | Geodetic head | m    |  |

## Pump

|                            |      |     |                 |     |      |
|----------------------------|------|-----|-----------------|-----|------|
| Operating flow             | m³/h |     | Frequency       | Hz  | 50   |
| Operating head             | m    |     | Number of poles |     | 2    |
| Impeller diameter designed | mm   | 159 | Speed           | rpm | 2900 |

Test standard: ISO 9906:2012 - Grade3B

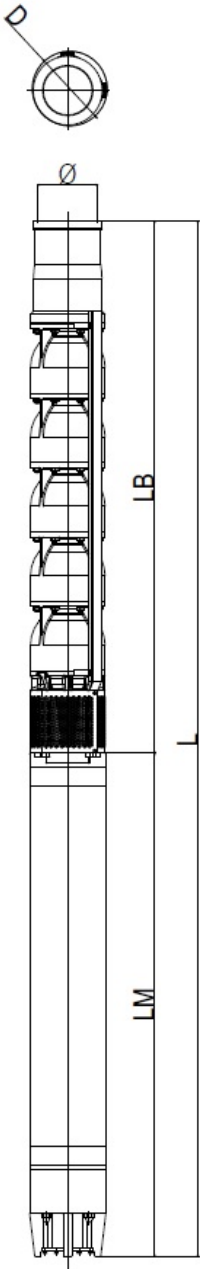
Water; 20°C; 998.3kg/m³; 1mm²/s



Dimensions

Pump name BHSE 10260-1-R2 5/22.4 M6G

|          |                                                 |           |
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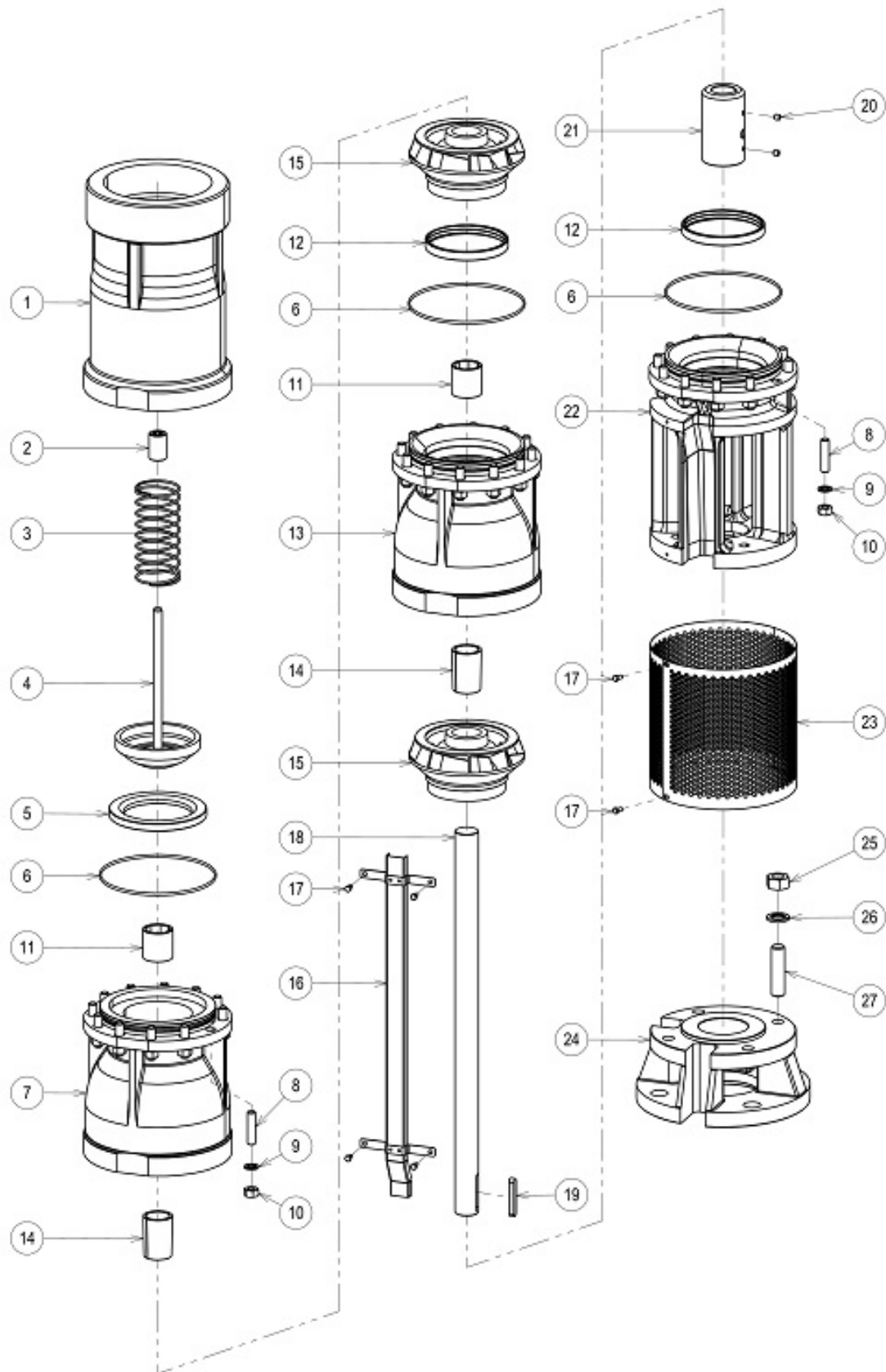
| Dimensions in mm |                   |          |  |  |  |  |  |  |
|------------------|-------------------|----------|--|--|--|--|--|--|
| 1                | D_01 Cable        | 232      |  |  |  |  |  |  |
| 2                | D_02 Cable        | 234      |  |  |  |  |  |  |
| 3                | L                 | 2053     |  |  |  |  |  |  |
| 4                | LB                | 818      |  |  |  |  |  |  |
| 5                | LM                | 1235     |  |  |  |  |  |  |
| 6                | M Weight (kg)     | 103      |  |  |  |  |  |  |
| 7                | P Weight (kg)     | 79.7     |  |  |  |  |  |  |
| 8                | Total Weight (kg) | 182.7    |  |  |  |  |  |  |
| 9                | Φ (inch)          | 6 (inch) |  |  |  |  |  |  |
| 10               |                   |          |  |  |  |  |  |  |
| 11               |                   |          |  |  |  |  |  |  |
| 12               |                   |          |  |  |  |  |  |  |
| 13               |                   |          |  |  |  |  |  |  |
| 14               |                   |          |  |  |  |  |  |  |
| 15               |                   |          |  |  |  |  |  |  |

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Construction

Pump name

|          |                                                 |           |
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Construction

Pump name

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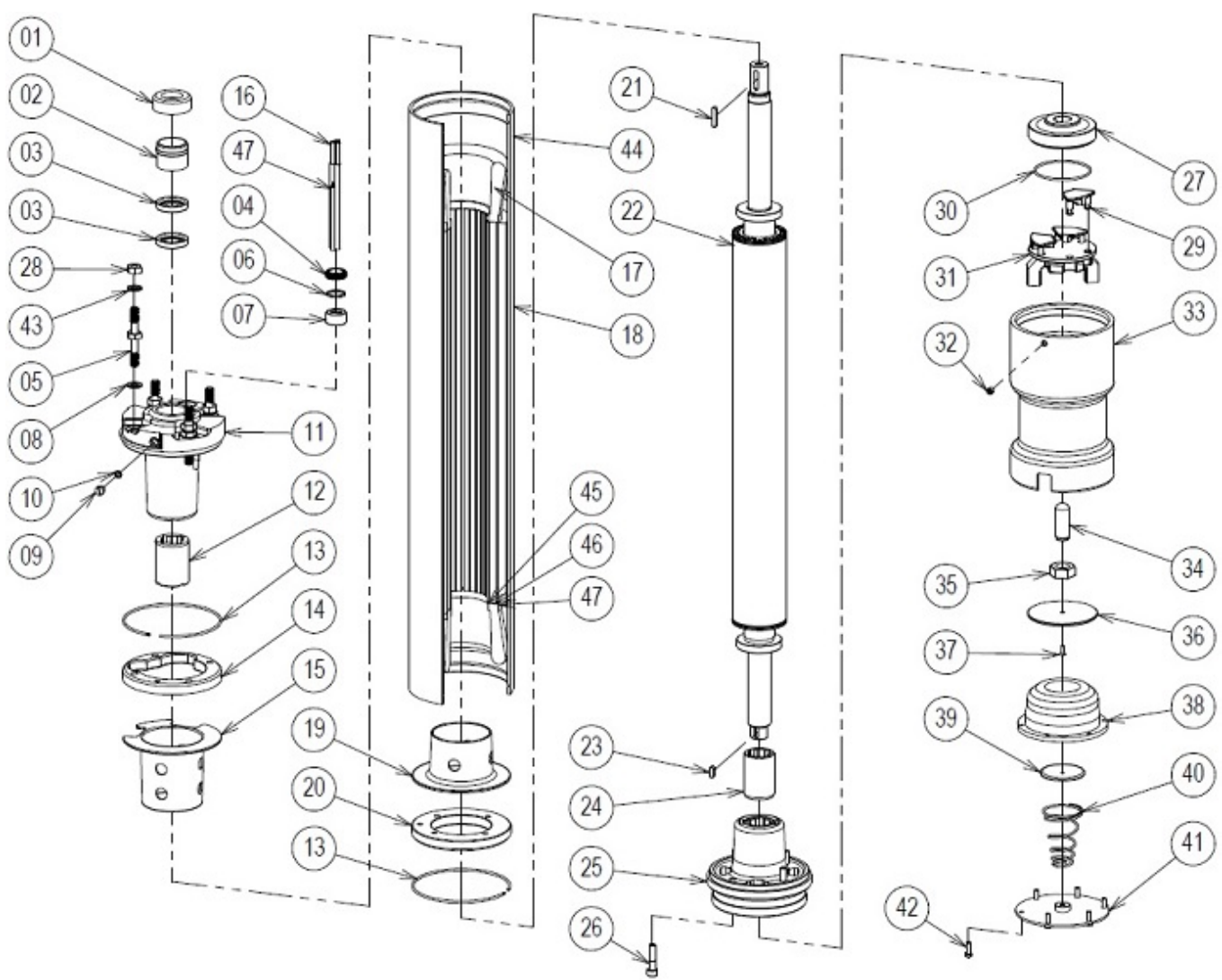
|                    |                       |                 |
|--------------------|-----------------------|-----------------|
| BHSE10-Parts Table |                       |                 |
| No.                | Name                  | MATERIAL        |
| 1                  | DISCHARGE CASING      | CAST IRON       |
| 2                  | VALVE ROD GUIDE       | BRASS           |
| 3                  | SPRING                | STAINLESS STEEL |
| 4                  | VALVE DISK            | STAINLESS STEEL |
| 5                  | VALVE SHEET           | BRASS           |
| 6                  | O-RING                | NBR             |
| 7                  | INTERMEDIATE CASING 2 | CAST IRON       |
| 8                  | STUD BOLT             | STAINLESS STEEL |
| 9                  | SPRING WASHER         | STAINLESS STEEL |
| 10                 | NUT                   | STAINLESS STEEL |
| 11                 | BEARING SLEEVE        | NBR             |
| 12                 | CASING WEARING RING   | BRASS           |
| 13                 | INTERMEDIATE CASING   | CAST IRON       |
| 14                 | TAPER COLLET          | STAINLESS STEEL |
| 15                 | IMPELLER              | STAINLESS STEEL |
| 16                 | CABLE COVER           | STAINLESS STEEL |
| 17                 | BOLT                  | STAINLESS STEEL |
| 18                 | SHAFT                 | STAINLESS STEEL |
| 19                 | KEY                   | STAINLESS STEEL |
| 20                 | BOLT                  | CARBON STEEL    |
| 21                 | COUPLING              | STAINLESS STEEL |
| 22                 | SUCTION CASING        | CAST IRON       |
| 23                 | STRAINER              | STAINLESS STEEL |
| 24                 | ADAPTER               | CAST IRON       |
| 25                 | NUT                   | STAINLESS STEEL |
| 26                 | SPRING WASHER         | STAINLESS STEEL |
| 27                 | STUD BOLT             | STAINLESS STEEL |

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Construction

Pump name

|          |                                                 |           |
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Construction

Pump name

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| Motor M6G_Parts Table |                         |                              |
|-----------------------|-------------------------|------------------------------|
| No.                   | Name                    | MATERIAL                     |
| 1                     | SAND SLINGER            | CARBON STEEL/NBR             |
| 2                     | SEAL COVER              | CARBON STEEL                 |
| 3                     | OIL SEAL                | NBR                          |
| 4                     | CABLE NUT               | STAINLESS STEEL              |
| 5                     | STUD BOLT               | STAINLESS STEEL              |
| 6                     | PRESSURE RING FOR CABLE | BRASS                        |
| 7                     | CABLE GLAND             | NBR                          |
| 8                     | METAL GASKET            | BRASS                        |
| 9                     | PLUG                    | BRASS                        |
| 10                    | O-RING                  | NBR                          |
| 11                    | UPPER BRACKET           | CAST IRON                    |
| 12                    | UPPER BEARING           | GRAPHITE                     |
| 13                    | CIRCLELY STOP RING      | CARBON STEEL                 |
| 14                    | UPPER FRAME RING        | CARBON STEEL                 |
| 15                    | UPPER COIL PROTECTOR    | PVC                          |
| 16                    | LEAD CABLE              | CUPPER                       |
| 17                    | COIL                    | CUPPER                       |
| 18                    | MOTOR FRAME             | CARBON STEEL                 |
| 19                    | LOWER COIL PROTECTOR    | PVC                          |
| 20                    | LOWER FRAME RING        | CARBON STEEL                 |
| 21                    | KEY                     | STAINLESS STEEL              |
| 22                    | ROTOR WITH SHAFT        | STAINLESS STEEL/CARBON STEEL |
| 23                    | KEY                     | STAINLESS STEEL              |
| 24                    | LOWER BEARING           | GRAPHITE                     |
| 25                    | LOWER BRACKET           | CAST IRON                    |
| 26                    | BOLT                    | CARBON STEEL                 |
| 27                    | THRUST DISK             | STAINLESS STEEL              |
| 28                    | NUT                     | STAINLESS STEEL              |
| 29                    | THRUST PAD              | STAINLESS STEEL              |
| 30                    | O-RING                  | NBR                          |
| 31                    | OSCILLATING DISC        | CAST IRON                    |
| 32                    | BOLT                    | CARBON STEEL                 |
| 33                    | THRUST BEARING HOUSING  | CAST IRON                    |
| 34                    | ADJUSTING NUT           | CARBON STEEL                 |
| 35                    | NUT                     | CARBON STEEL                 |
| 36                    | DIAPHRAGM PROTECTOR     | STAINLESS STEEL              |
| 37                    | BOLT                    | BRASS                        |
| 38                    | DIAPHRAGM               | CR                           |
| 39                    | SPRING DISC             | STAINLESS STEEL              |
| 40                    | SPRING                  | STAINLESS STEEL              |
| 41                    | DIAPHRAGM COVER         | STAINLESS STEEL              |
| 42                    | BOLT                    | STAINLESS STEEL              |
| 43                    | SPRING WASHER           | STAINLESS STEEL              |
| 44                    | COMPLETE STATOR         | -                            |
| 45                    | SLOT ISOLATOR           | POLYESTER                    |
| 46                    | WEDGE ISOLATOR          | POLYESTER                    |
| 48                    | WEDGE                   | PLASTIC                      |