

## 3DS4 40-125/0.37R

# Performance Curve

Pump Name

3DS4 40-125/0.37R

|          |            |            |           |
|----------|------------|------------|-----------|
| Customer | Date       | 09.06.2024 | Company   |
| Contact  | Item no.   |            | Issued by |
| Phone    | Project    |            | Phone     |
| E-mail   | Project ID |            | E-mail    |

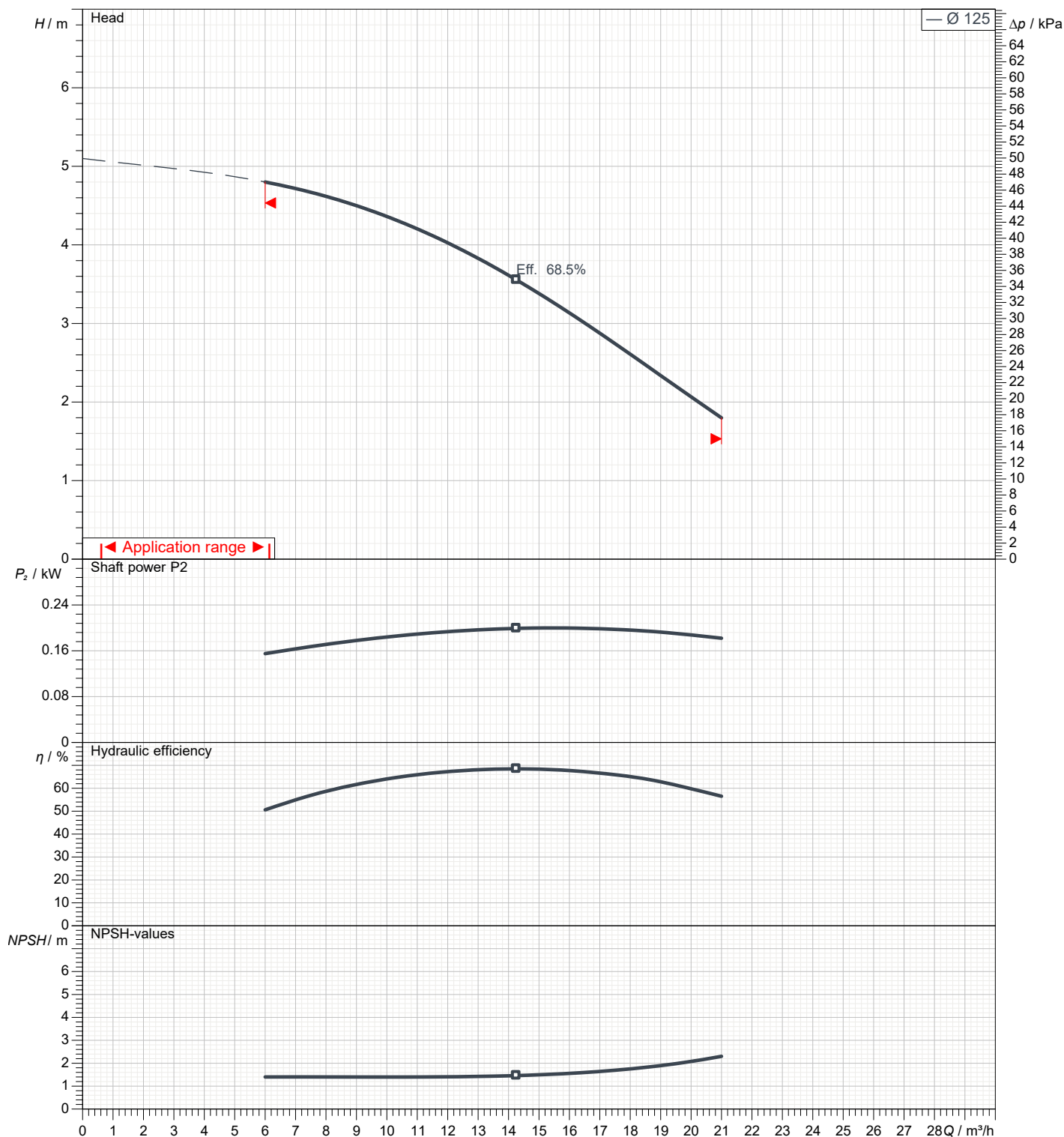
## Requested data

|   |               |      |  |                            |      |     |                 |     |      |
|---|---------------|------|--|----------------------------|------|-----|-----------------|-----|------|
| 1 | Flow          | m³/h |  | Operating flow             | m³/h |     | Frequency       | Hz  | 50   |
| 2 | Head          | m    |  | Operating head             | m    |     | Number of poles |     | 4    |
| 3 | Geodetic head | m    |  | Impeller diameter designed | mm   | 125 | Speed           | rpm | 1400 |

## Pump

Test standard: ISO 9906:2012 - Grade3B

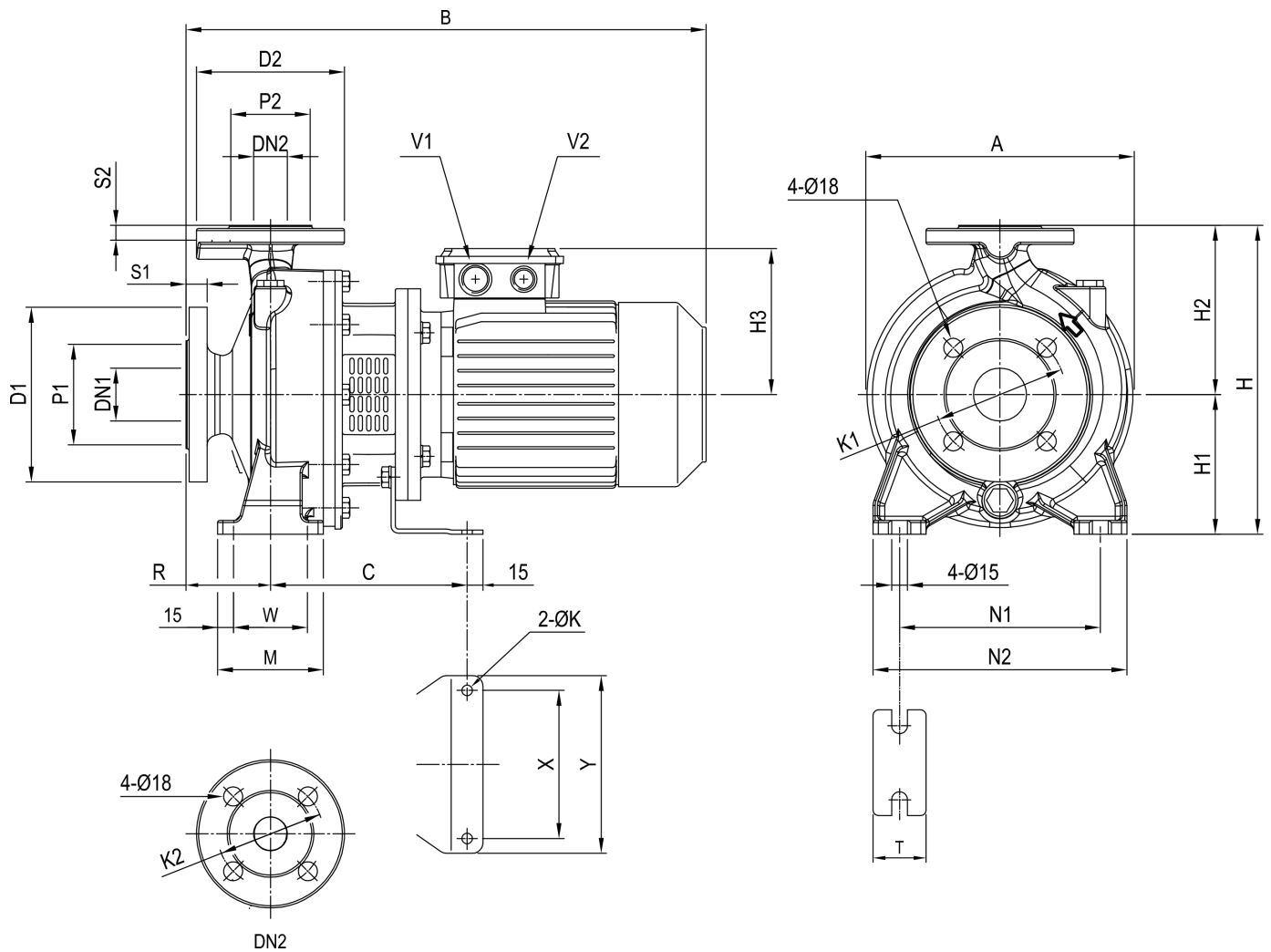
Water; 20°C; 998.3kg/m³; 1cSt



# Dimensions

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| Dimensions in mm |         |     |            |         |  |  |  |  |
|------------------|---------|-----|------------|---------|--|--|--|--|
| 1                | A       | 220 | K          | 8       |  |  |  |  |
| 2                | B       | 404 | M          | 100     |  |  |  |  |
| 3                | C       | 153 | N1         | 160     |  |  |  |  |
| 4                | Dia D1  | 185 | N2         | 210     |  |  |  |  |
| 5                | Dia D2  | 150 | R          | 80      |  |  |  |  |
| 6                | Dia DN1 | 65  | S1         | 20      |  |  |  |  |
| 7                | Dia DN2 | 40  | S2         | 18      |  |  |  |  |
| 8                | Dia K1  | 145 | T          | 50      |  |  |  |  |
| 9                | Dia K2  | 110 | V1         | M20X1.5 |  |  |  |  |
| 10               | Dia P1  | 122 | V2         | M16X1.5 |  |  |  |  |
| 11               | Dia P2  | 88  | W          | 70      |  |  |  |  |
| 12               | H       | 252 | Weight P&M | 25.3 kg |  |  |  |  |
| 13               | H1      | 112 | X          | 112     |  |  |  |  |
| 14               | H2      | 140 | Y          | 140     |  |  |  |  |
| 15               | H3      | 114 |            |         |  |  |  |  |

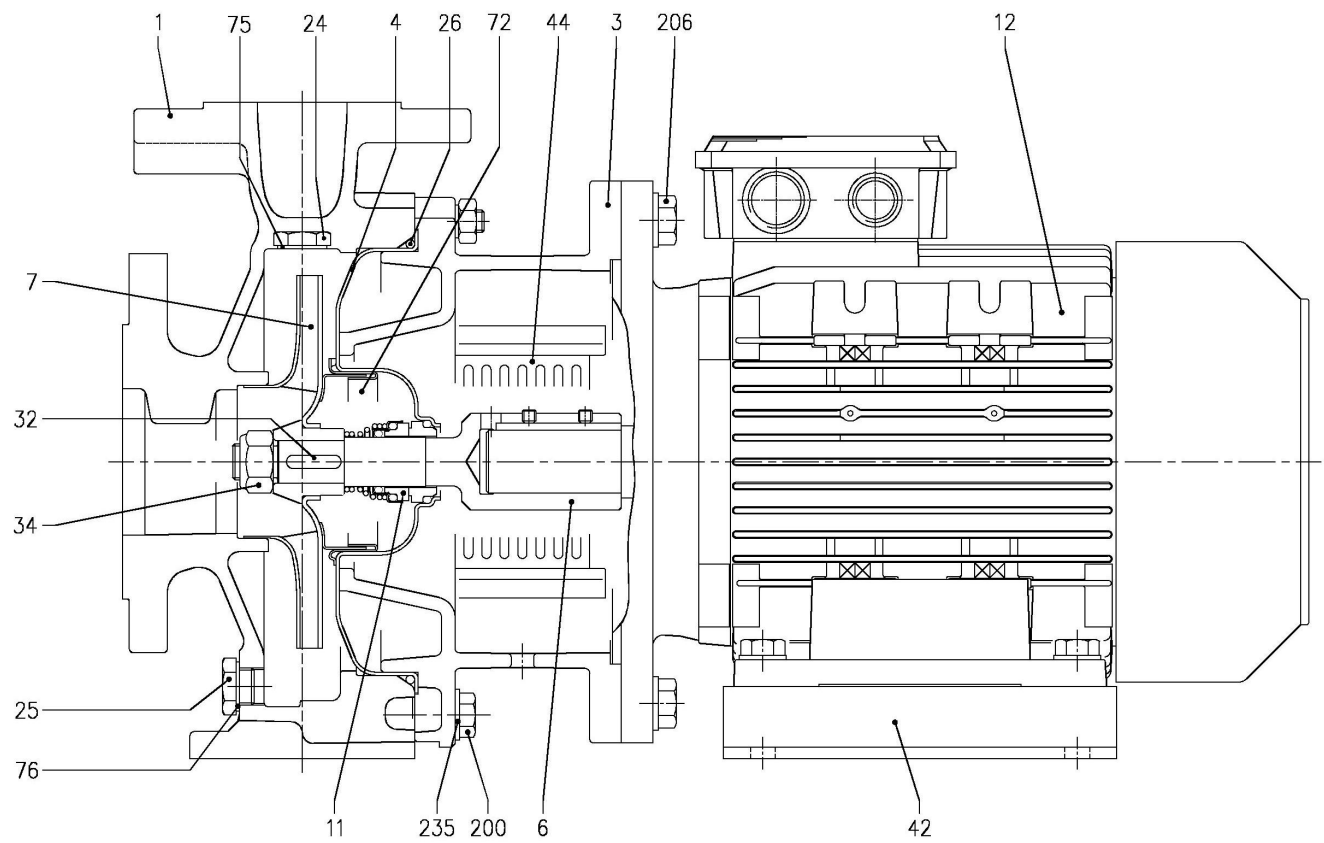
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Construction

Pump Name

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## Construction

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| N°  | PART NAME                 |                                               | MATERIAL                                         | DIMENSIONS  | STANDARD      | Q.TY |
|-----|---------------------------|-----------------------------------------------|--------------------------------------------------|-------------|---------------|------|
| 001 | Casing                    |                                               | Cast iron EN-GJL-200-EN 1561                     |             |               | 1    |
| 003 | Motor bracket             |                                               | Cast iron EN-GJL-200-EN 1561                     |             |               | 1    |
| 004 | Casing cover              |                                               | EN 1.4301 (AISI 304)                             |             |               | 1    |
| 006 | Coupling - Wet extensions |                                               | EN 1.4301 (AISI 304)                             |             |               | 1    |
| 007 | Impeller                  |                                               | [1]                                              |             |               | 1    |
| 011 | Mechanical seal           |                                               | [2]                                              | [2]         |               | 1    |
| 012 | Motor                     |                                               | -                                                |             |               | 1    |
| 024 | Priming plug              |                                               | Brass                                            | G 3/8" L=8  |               | 1    |
| 025 | Draing plug               |                                               | Brass                                            | G 3/8" L=8  |               | 1    |
| 026 | "O" ring                  | 32-12540-125                                  | NBR [3]                                          | 158.11x5.34 | OR 6625       | 1    |
|     |                           | 32-160, 40-160, 50-125, 65-125                |                                                  | 183.52x5.34 | OR 6720       |      |
|     |                           | 32-200, 40-200,50-160, 50-200, 65-160, 65-200 |                                                  | 227.96x5.34 | OR 6895       |      |
|     |                           |                                               |                                                  |             |               |      |
| 032 | Key                       |                                               | EN 1.4401 (AISI 316)                             | 6x6x25      | UNI 6604      | 1    |
| 034 | Impeller nut              | Other models                                  | EN 1.4301 (AISI 304)                             | M16x1.5     | UNI 7474      | 1    |
|     |                           | 50-200/2.2                                    |                                                  | M18x1.5     |               |      |
| 042 | Foot                      |                                               | Galvanized Steel                                 |             |               | 1    |
| 044 | Protection                |                                               | EN 1.4301 (AISI 304)                             |             | EBARA DRAWING | 1    |
| 072 | Casing ring [4]           |                                               | EN 1.4301 (AISI 304)                             |             |               | 1    |
| 075 | Washer                    |                                               | Aluminum                                         | 22x17x1.5   | EBARA DRAWING | 1    |
| 076 | Washer                    |                                               | Aluminum                                         |             |               | 1    |
| 200 | Screw                     | 32-125                                        | Galvanized Steel<br>8.8 strenght class ISO 898-1 | M8x30       | UNI 5739      | 8    |
|     |                           | 40-125                                        |                                                  | M10x35      |               | 10   |
|     |                           | 32-160                                        |                                                  |             |               |      |
|     |                           | 40-160                                        |                                                  |             |               |      |
|     |                           | 50-125                                        |                                                  |             |               |      |
|     |                           | 65-125                                        |                                                  |             |               |      |
| 206 | Screw for bracket         | 32-200, 40-200                                | Galvanized Steel<br>8.8 strenght class ISO 898-1 | M8x20       | UNI 5739      | 4    |
|     |                           | 50-160, 50-200                                |                                                  |             |               |      |
|     |                           | 65-160, 65-200                                |                                                  |             |               |      |
|     |                           | up to 0.37 kW                                 |                                                  |             |               |      |
| 206 | Screw for bracket         | from 0.55 kW to 1.5 kW                        | Galvanized Steel<br>8.8 strenght class ISO 898-1 | M10x25      | UNI 5739      | 4    |
|     |                           | for 2.2 kW and 3 kW                           |                                                  | M12x30      |               |      |
|     |                           |                                               |                                                  |             |               |      |
| 235 | Washer                    | 32-125                                        | Galvanized Steel                                 | 8.4x17      | UNI 6592      | 8    |
|     |                           | 40-125                                        |                                                  | 10.5x21     |               | 10   |
|     |                           | 32-160                                        |                                                  |             |               |      |
|     |                           | 40-160                                        |                                                  |             |               |      |
|     |                           | 50-125                                        |                                                  |             |               |      |
|     |                           | 65-125                                        |                                                  |             |               |      |
| 235 | Washer                    | 32-200, 40-200                                | Galvanized Steel                                 | 10.5x21     | UNI 6592      | 12   |
|     |                           | 50-160, 50-200                                |                                                  |             |               |      |
|     |                           | 65-160, 65-200                                |                                                  |             |               |      |
|     |                           |                                               |                                                  |             |               |      |

[1] EN 1.4301 (AISI 304) for 32, 40, 50 series;  
EN 1.4401 (AISI 316) for 65 series

[2] See **CONSTRUCTION 3**

[3] FPM for H, HS, HW, HSW version;  
EPDM for E version

[4] Only for: 32-200, 40-200, 50-160, 50-200

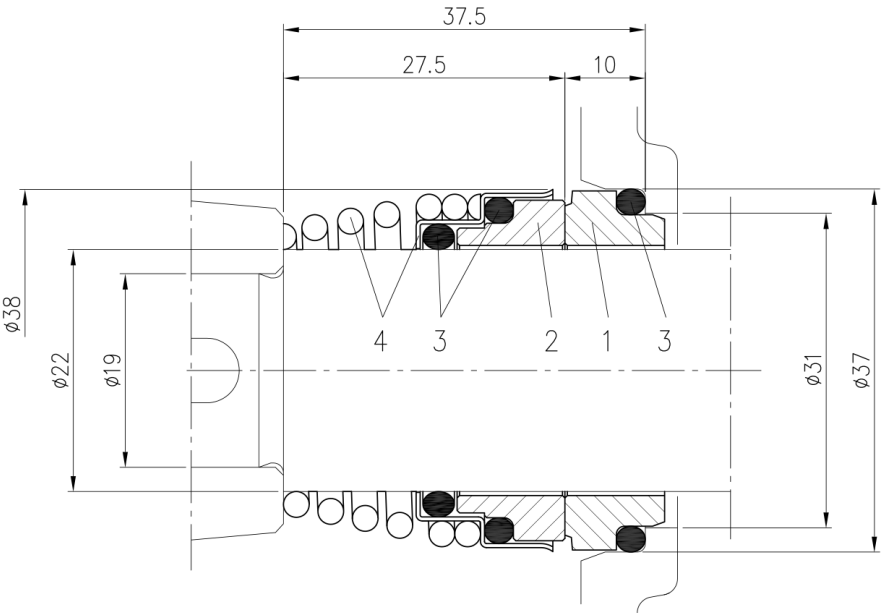
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Construction

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| Version  | Material                     |                          |             |                         |
|----------|------------------------------|--------------------------|-------------|-------------------------|
|          | 1<br>Stationary<br>seal ring | 2<br>Rotary<br>seal ring | 3<br>Rubber | 4<br>Frame +<br>Spring  |
| Standard | Carbon                       | Ceramic                  | NBR         | EN 1.4401<br>(AISI 316) |