



# Technical data

|           |             |
|-----------|-------------|
| Date      | 9/22/2025   |
| Offer N.  | ---         |
| Pump Type | MNG100-200A |
|           |             |

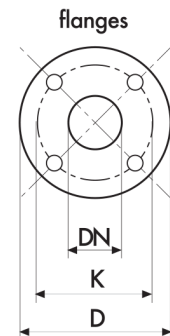
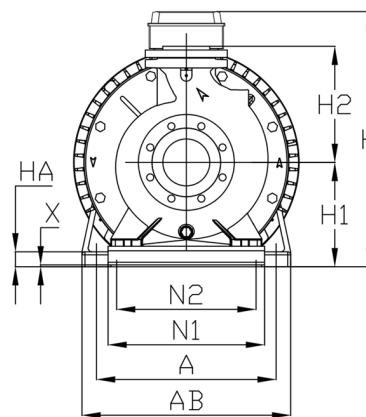
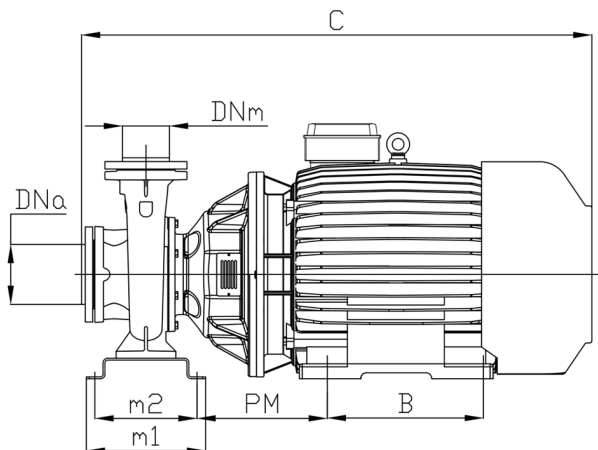
|        |          |           |     |
|--------|----------|-----------|-----|
| Client | EES GmbH | Reference | --- |
|--------|----------|-----------|-----|

## Pump data

|                           |                                                                    |                                                                                                                                                                                                                                                    |
|---------------------------|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pump body and rear shield | Cast iron GJL-250                                                  | Monobloc horizontal centrifugal pumps, constructed to EN 733 standards, with stub-shaft and bracket for coupling to standard motors; widely used in water supplies, pressurisation and fire-fighting systems, standard supply with counter-flange. |
| Motor bracket             | Cast iron GJL-250                                                  |                                                                                                                                                                                                                                                    |
| Impeller                  | Cast iron GJL-250<br>On request bronze or stainless steel AISI 316 |                                                                                                                                                                                                                                                    |
| Mechanical seal           | Ceramic-Graphite                                                   |                                                                                                                                                                                                                                                    |
| Pump shaft end            | Stainless steel AISI 316 EN X5CrNiMo17-12-2                        |                                                                                                                                                                                                                                                    |
| Liquid temperature        | -10°C +90°C                                                        |                                                                                                                                                                                                                                                    |
| Operating pressure        | Max 10 bar                                                         |                                                                                                                                                                                                                                                    |
|                           |                                                                    |                                                                                                                                                                                                                                                    |

| P2   | Motor<br>Size | Q (m3/h - l/min) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|---------------|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| (kW) |               | 0                | 108  | 120  | 132  | 144  | 156  | 168  | 180  | 195  | 210  | 225  | 240  | 270  | 300  | 330  | 360  |
|      |               | 0                | 1800 | 2000 | 2200 | 2400 | 2600 | 2800 | 3000 | 3250 | 3500 | 3750 | 4000 | 4500 | 5000 | 5500 | 6000 |
|      |               | H (m)            |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 55   | 250M          | 61.1             | 62.2 | 61.8 | 61.5 | 61   | 60.5 | 59.9 | 59.5 | 58.9 | 58.3 | 57.4 | 56.4 | 53.8 | 50.6 | 46.8 | 42.5 |

## Technical Sheet



| DIMENSIONS (mm) |     |     |       |    |
|-----------------|-----|-----|-------|----|
| DN              | D   | K   | holes |    |
|                 |     |     | n°    | Ø  |
| 80              | 200 | 160 | 8     | 18 |
| 100             | 220 | 180 | 8     | 18 |
| 125             | 250 | 210 | 8     | 18 |

| DIMENSIONS (mm) |     |     |     |     |     |     |     |     |     |     |     |     |      | Kg  |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|
| DNα             | DNm | m1  | m2  | N2  | N1  | H1  | H2  | H   | A   | AB  | B   | PM  | C    |     |
| 125             | 100 | 320 | 280 | 360 | 420 | 280 | 321 | 655 | 406 | 485 | 349 | 325 | 1235 | 505 |

## Notes

The information may be subject to change without notice. It is always advisable to contact our commercial department in order to get further information about the products, their technical specifications and warranty conditions. The Company is expressly relieved of any liability for the purchasing of a product not in line with the customer's needs, if not consulted beforehand for a specific consultancy.



## Working Curves

Pump type: MNG100-200A

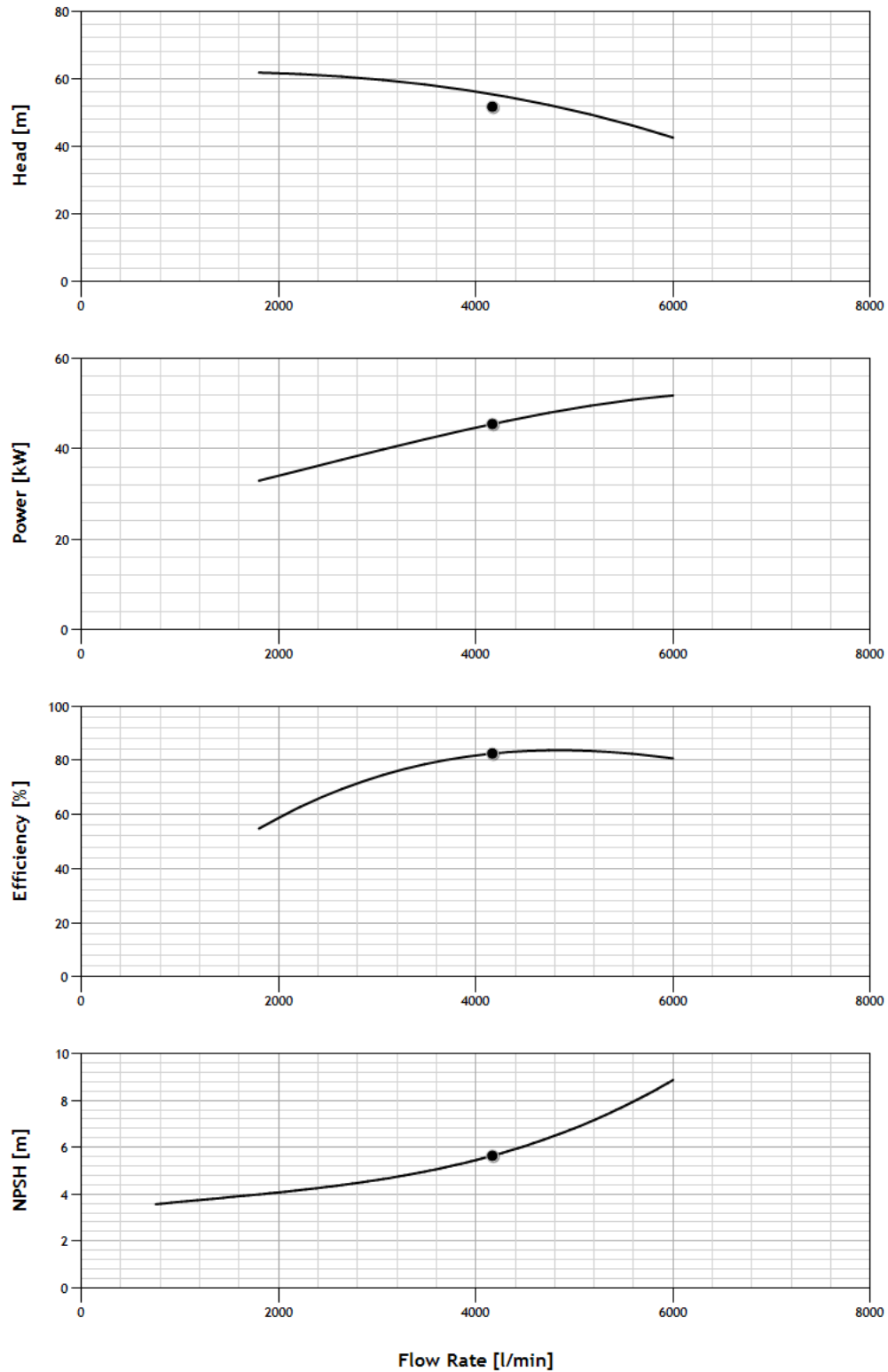
Curv n°:

MNG100-200A

Date:

9/22/2025

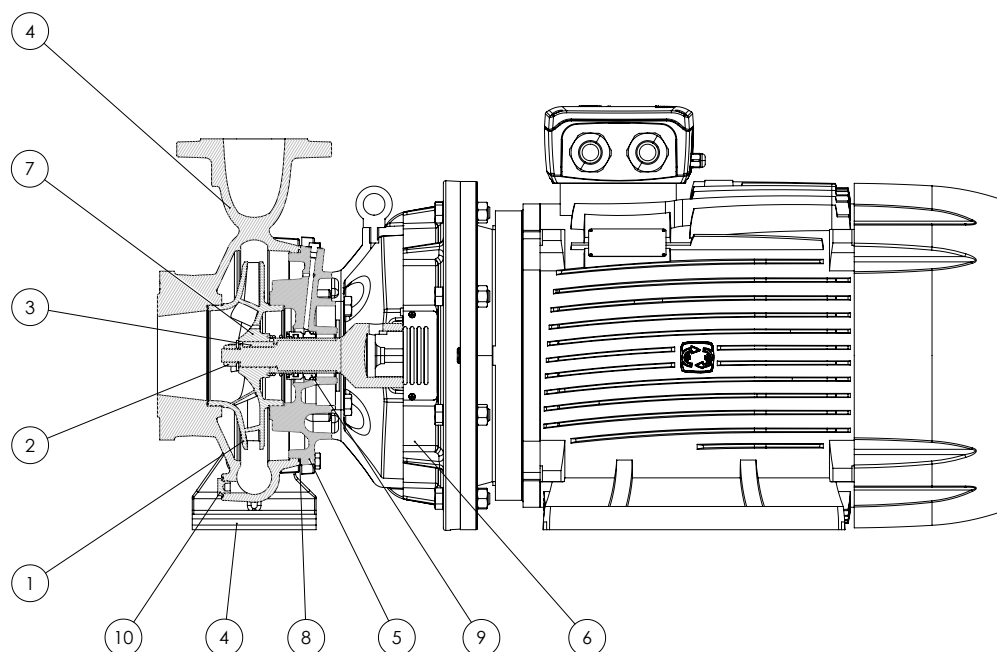
Q (l/min) 4167 | H (m) 51.7 | Power [kW] 45.5 | Efficiency % 82.51 | NPSH (m) 5.64



MEI ≥ 0,4 (regulation EU N. 547/2012)  
Tolerances according to UNI ISO 9906 grade 3B

# MNG Series

## Models list and materials



| POS.<br>N. | DENOMINATION                        | VERSION              | MATERIAL                                               | REFERENCE STANDARDS                                              |                                         |
|------------|-------------------------------------|----------------------|--------------------------------------------------------|------------------------------------------------------------------|-----------------------------------------|
|            |                                     |                      |                                                        | EUROPE                                                           | USA                                     |
| 1          | <b>Impeller</b>                     | Standard<br>B<br>X   | Cast iron G20<br>Bronze<br>Stainless steel             | GJL-200 (JL1030)<br>CuSn10-C (CC480K)<br>X5CrNiMo17-12-2/ 1.4401 | ASTM Class 30<br>UNS C90700<br>AISI 316 |
| 2          | <b>Impeller lock nut and washer</b> |                      | Stainless steel                                        | X5CrNiMo17-12-2/ 1.4401                                          | AISI 316                                |
| 3          | <b>Impeller key</b>                 |                      | Stainless steel                                        | X5CrNiMo17-12-2/ 1.4401                                          | AISI 316                                |
| 4          | <b>Volute casing</b>                | Standard<br>X        | Cast iron G25<br>Stainless steel                       | GJL-250 (JL1040)<br>X5CrNiMo17-12-2/ 1.4401                      | ASTM Class 35<br>AISI 316               |
| 5          | <b>Casing cover</b>                 | Standard<br>X        | Cast iron G20<br>Stainless steel                       | GJL-200 (JL1030)<br>X5CrNiMo17-12-2/ 1.4401                      | ASTM Class 30<br>AISI 316               |
| 6          | <b>Motor bracket</b>                |                      | Cast iron G20                                          | GJL-200 (JL1030)                                                 | ASTM Class 30                           |
| 7          | <b>Stub shaft</b>                   |                      | Stainless steel                                        | X5CrNiMo17-12-2/ 1.4401                                          | AISI 316                                |
| 8          | <b>O-ring</b>                       | Standard<br>E<br>V   | NBR<br>EPDM<br>FKM                                     |                                                                  |                                         |
| 9          | <b>Mechanical seal</b>              |                      | (Search for the material in the mechanical seal table) |                                                                  |                                         |
| 10         | <b>Fill and drain plugs</b>         | Fill and drain plugs | Brass                                                  | CU ZN 40 PB2 UNI 5705/65                                         | C37700                                  |

# MNG Series-Mechanical seal and bearings

| MECHANICAL SEAL                                                                   | PUMP MODEL                                                                              | SHAFT Ø |                        | STANDARD MATERIAL | OPTIONAL   |            |      |     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------|------------------------|-------------------|------------|------------|------|-----|
|  | MNG80-250B, MNG80-250A, MNG100-200B, MNG100-200A, MNG100-250C, MNG100-250B, MNG100-250A | 45mm    | <i>Rotating face</i>   | CrNi-steel        | CrNi-steel | CrNi-steel | SiC  | SiC |
|                                                                                   |                                                                                         |         | <i>Stationary face</i> | Graphite          | Graphite   | Graphite   | SiC  | SiC |
|                                                                                   |                                                                                         |         | <i>Elastomer</i>       | NBR               | EPDM       | FKM        | EPDM | FKM |

| MOTOR BEARINGS                                                                     | PUMP MODEL                                                     | TYPE       |            |
|------------------------------------------------------------------------------------|----------------------------------------------------------------|------------|------------|
|  | MNG80-250B, MNG100-200B                                        | 6313-ZZ C3 | 6313-ZZ C3 |
|                                                                                    | MNG80-250A, MNG100-200A, MNG100-250C, MNG100-250B, MNG100-250A | 6314-ZZ C3 | 6314-ZZ C3 |