



# Technical data

|           |              |
|-----------|--------------|
| Date      | 9/22/2025    |
| Offer N.  | ---          |
| Pump Type | KMS80BE/18,5 |
|           |              |

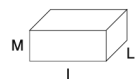
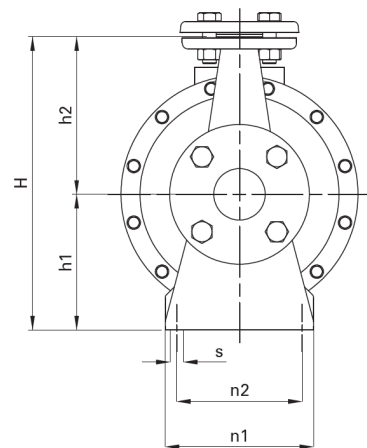
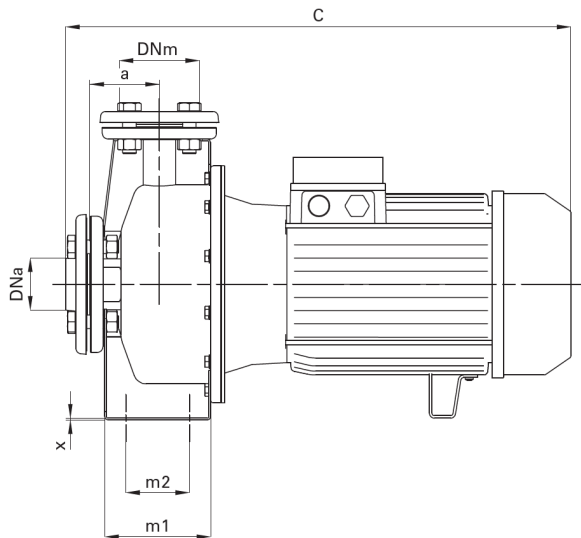
|        |          |           |     |
|--------|----------|-----------|-----|
| Client | EES GmbH | Reference | --- |
|--------|----------|-----------|-----|

## Pump data

|                         |                                         |                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pump body               | Stainless steel AISI 304 EN X5CrNi18-10 | Monobloc horizontal centrifugal pumps. Widely used in water supplies, pressurization, cooling, and industrial applications. Their flat curve guarantees small change in pressure drop for large change in flow. |
| Impeller                | Stainless steel AISI 304 EN X5CrNi18-10 |                                                                                                                                                                                                                 |
| Mechanical seal housing | Stainless steel AISI 304 EN X5CrNi18-10 |                                                                                                                                                                                                                 |
| Motor bracket           | Cast iron GJL-250                       |                                                                                                                                                                                                                 |
| Mechanical seal         | Ceramic-Graphite                        |                                                                                                                                                                                                                 |
| Pump shaft end          | Stainless steel AISI 304 EN X5CrNi18-10 |                                                                                                                                                                                                                 |
| Liquid temperature      | -10°C +90°C                             |                                                                                                                                                                                                                 |
| Operating pressure      | Max 10 bar                              |                                                                                                                                                                                                                 |
|                         |                                         |                                                                                                                                                                                                                 |

| P2   |      | P1 (kW) |    | A          |            | Q (m3/h - l/min) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|---------|----|------------|------------|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| (HP) | (kW) | 1~      | 3~ | 1x23<br>0V | 3x40<br>0V | 0                | 54   | 60   | 66   | 72   | 78   | 84   | 90   | 96   | 108  | 120  | 126  | 132  | 138  | 144  | 150  | 156  | 168  | 180  | 192  | 204  | 216  |
|      |      |         |    |            |            | 0                | 900  | 1000 | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | 1800 | 2000 | 2100 | 2200 | 2300 | 2400 | 2500 | 2600 | 2800 | 3000 | 3200 | 3400 | 3600 |
|      |      |         |    |            |            | H (m)            |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 25   | 18,5 | ---     | 20 | ---        | 33,2       | 38.4             | 38.7 | 38.5 | 38.2 | 37.9 | 37.5 | 37.1 | 36.7 | 36.3 | 35.6 | 34.6 | 33.9 | 33.2 | 32.5 | 31.9 | 31.3 | 30.7 | 29.4 | 28.1 | 26.7 | 25.1 | 23.3 |

## Technical Sheet



| DNA | DNM | DIMENSIONS (mm) |     |     |     |    |     |     |   |    |     |     |     |     |     | Kg    |
|-----|-----|-----------------|-----|-----|-----|----|-----|-----|---|----|-----|-----|-----|-----|-----|-------|
|     |     | a               | h1  | h2  | m1  | m2 | n1  | n2  | x | s  | C   | H   | I   | L   | M   |       |
| 100 | 80  | 125             | 180 | 225 | 167 | 93 | 175 | 148 | 2 | 10 | 810 | 405 | 870 | 400 | 570 | 132,5 |

## 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: KMS80BE/18,5

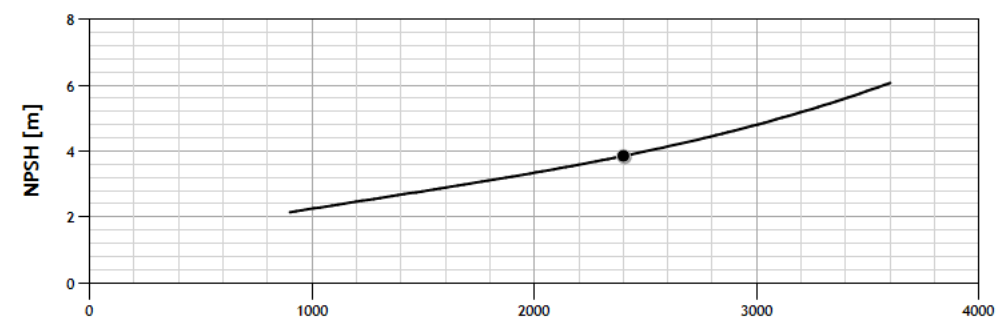
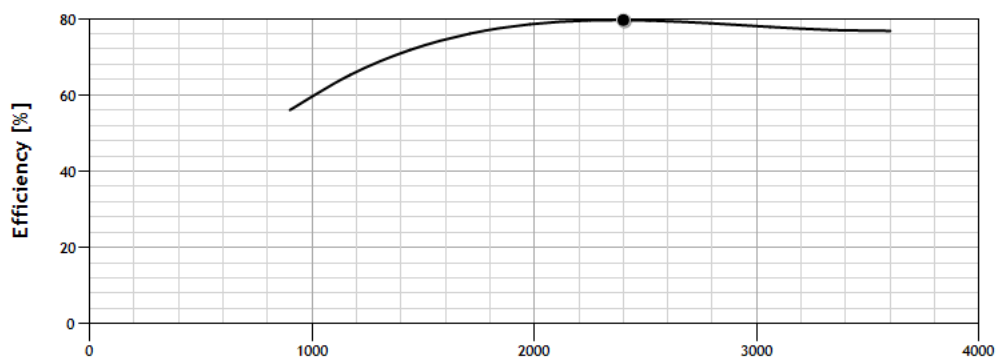
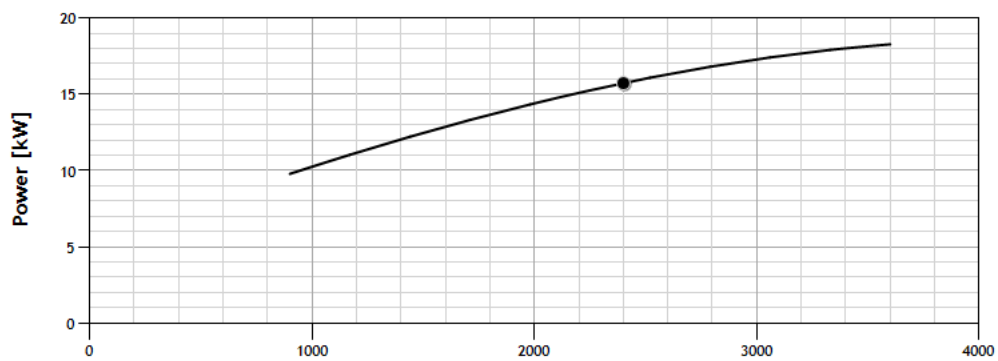
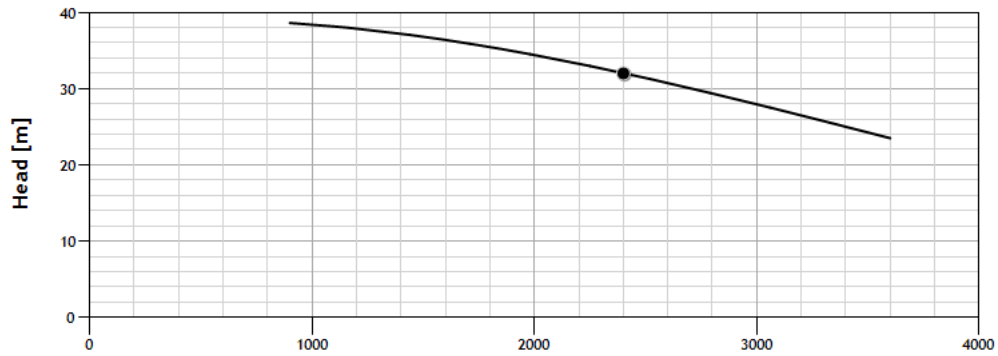
Curv n°:

KMS80BE/18,5

Date:

9/22/2025

Q (l/min) 2400 | H (m) 32 | Power [kW] 15.73 | Efficiency % 79.63 | NPSH (m) 3.86



Flow Rate [l/min]

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

# KMS Serie-Mechanical seal and bearings

| MECHANICAL SEAL                                                                   | PUMP MODEL                                                                                                                                                                                                                                                                                               | SHAFT Ø |                                                                    | STANDARD MATERIAL          | OPTIONAL                    |                            |                    |                   |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------------------------------------------------------------|----------------------------|-----------------------------|----------------------------|--------------------|-------------------|
|                                                                                   |                                                                                                                                                                                                                                                                                                          |         |                                                                    |                            | E                           | V                          | 2E                 | 2V                |
|  | KMS32BE/1,5, KMS32BE/2,2, KMS32CE/3, KMS40BE/1,5, KMS40BE/2,2, KMS40BE/3, KMS50AE/3                                                                                                                                                                                                                      | 20mm    | <b>Rotating face</b><br><b>Stationary face</b><br><b>Elastomer</b> | Ceramic<br>Graphite<br>NBR | Ceramic<br>Graphite<br>EPDM | -<br>-<br>-                | SiC<br>SiC<br>EPDM | SiC<br>SiC<br>FKM |
|                                                                                   | KMS32CE/4, KMS32CE/5,5, KMS40BE/4, KMS40CE/5,5, KMS40CE/7,5, KMS40CE/11, KMS50AE/4, KMS50BE/5,5, KMS50CE/7,5, KMS50CE/11, KMS50CE/15- KMS50CE/15, KMS50CE/18,5, KMS65AE/5,5, KMS65AE/7,5, KMS65BE/11, KMS65BE/15, KMS65BE/15, KMS65CE/18,5, KMS65CE/22, KMS80BE/11, KMS80BE/15, KMS80BE/18,5, KMS80CE/22 | 28mm    | <b>Rotating face</b><br><b>Stationary face</b><br><b>Elastomer</b> | Ceramic<br>Graphite<br>NBR | Ceramic<br>Graphite<br>EPDM | Ceramic<br>Graphite<br>FKM | SiC<br>SiC<br>EPDM | SiC<br>SiC<br>FKM |

| BEARINGS                                                                            | PUMP MODEL                                                                                                                       | TYPE       |            |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|------------|------------|
|  | 3-KMS32CE/4, 3-KMS40BE/4, 3-KMS50AE/4                                                                                            | 6204-ZZ    | 6206-ZZ C3 |
|                                                                                     | KMS32BE/1,5, KMS32BE/2,2, KMS32CE/3, KMS40BE/1,5, KMS40BE/2,2, KMS40BE/3, KMS50AE/3                                              | 6205-ZZ C3 | 6203-ZZ    |
|                                                                                     | 1-KMS32CE/4, KMS32CE/5,5, 1-KMS40BE/4, KMS40CE/5,5, KMS40CE/7,5, 1-KMS50AE/4, KMS50BE/5,5, KMS50CE/7,5, KMS65AE/5,5, KMS65AE/7,5 | 6206-ZZ C3 | 6306-ZZ C3 |
|                                                                                     | KMS40CE/11, KMS50CE/11, KMS65BE/11, KMS80BE/11                                                                                   | 6206-ZZ C3 | 6308-ZZ C3 |
|                                                                                     | KMS65BE/15, KMS50CE/15, KMS80BE/15                                                                                               | 6308-ZZ C3 | 6306-ZZ C3 |
|                                                                                     | KMS50CE/15, KMS50CE/18,5, KMS65BE/15, KMS65CE/18,5, KMS65CE/22, KMS80BE/15, KMS80BE/18,5, KMS80CE/22                             | 6308-ZZ C3 | 6309-ZZ C3 |