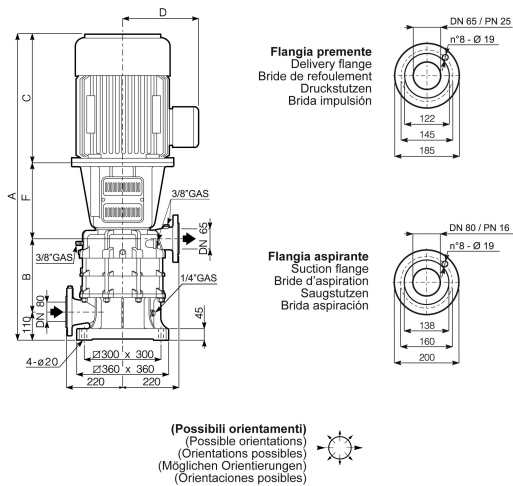
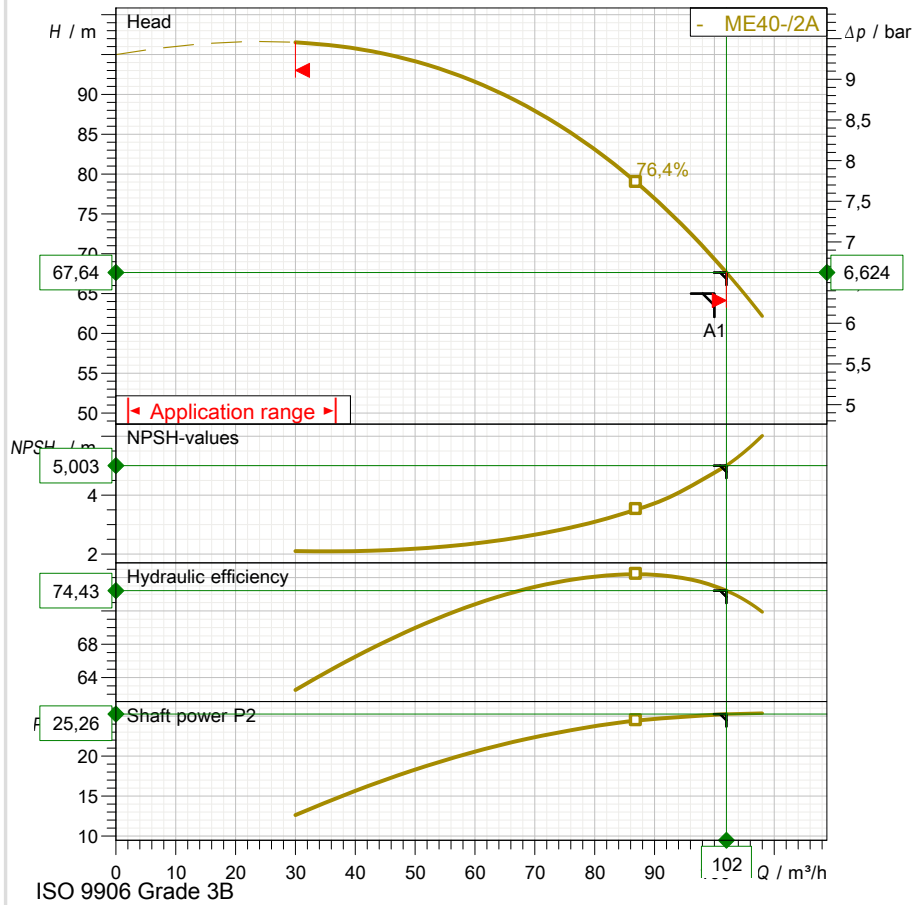


## Technical data

### ME40KV80-90/2A-TB



(Possibili orientamenti)  
(Possible orientations)  
(Orientations possibles)  
(Möglichen Orientierungen)  
(Orientaciones posibles)

#### Operating data specification

|                      |                    |
|----------------------|--------------------|
| Capacity             | 100 m³/h           |
| Head                 | 65 m               |
| Fluid                | Pure water         |
| Type of installation | <Single head pump> |

#### Pump operating data

|                       |                   |
|-----------------------|-------------------|
| Design                | ME40KV80-90/2A-TB |
| Impeller Ø            | 179 mm            |
| Speed                 | 2900 1/min        |
| Flow                  | 102 m³/h          |
| Head                  | 67,6 m            |
| Shaft power P2        | 25,3 kW           |
| Efficiency            | 74,4 %            |
| Head (Q=0)            | 95 m              |
| Non return valve loss |                   |

#### Electric motor technical data

|                      |                  |
|----------------------|------------------|
| Design               | IEC B5/V1 40 - 2 |
| Rated power          | 30 kW            |
| Frequency            | 50 Hz            |
| Number of poles      | 2                |
| Nominal speed        | 2900 1/min       |
| Rated voltage        | 3~ 400 V         |
| Starting mode        | Direct starting  |
| Rated current        | 52,1 A           |
| Insulation class     | F                |
| Degree of protection | IP55             |

#### Use limits

|                                |           |
|--------------------------------|-----------|
| Max N° startings/hour          | 5         |
| Max. runing time with Q=0      | 2 min     |
| Max. solids contents           | 50 g/m³   |
| Max. pumped liquid temperature | 90 °C     |
| Maximum density                | 998 kg/m³ |
| Maximum viscosity              | 1 mm²/s   |

#### Materials

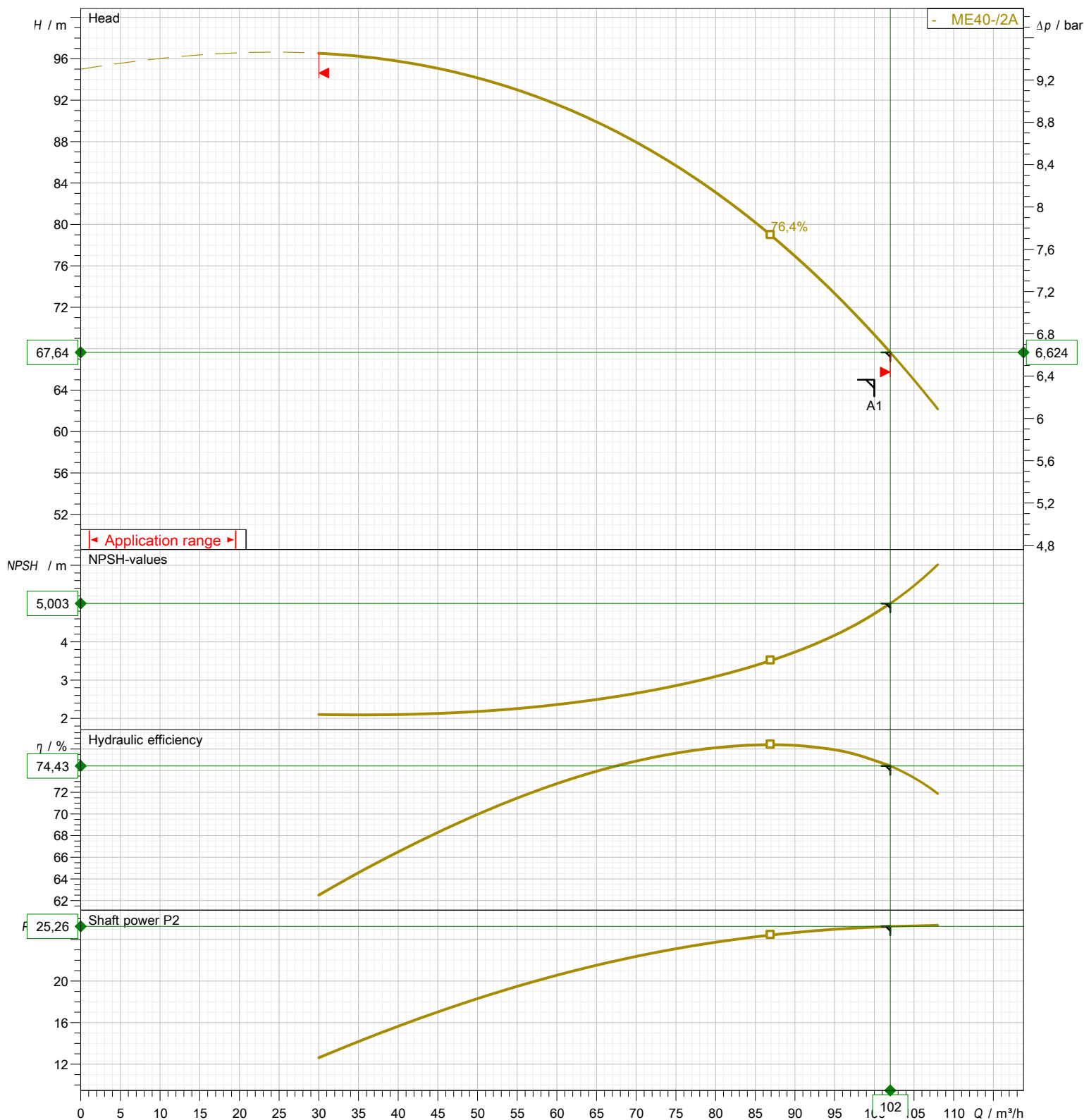
|                          |                          |
|--------------------------|--------------------------|
| Motor support            | Cast iron                |
| Shaft                    | Steel                    |
| Twiner system®           | Stainless steel          |
| Stuffing-box packing     | PTFE                     |
| Shaft protection bushing | Chrome steel             |
| Impeller                 | Cast iron + Cataphoresis |
| Pump body                | Cast iron                |
| Diffuser shell           | Cast iron                |
| Diffuser                 | Cast iron                |
| Wear ring                | Cast iron                |
| Journal bearing          | Bronze                   |
| Spacer                   | Stainless steel          |
| Tie rod                  | Steel                    |
| Suction bowl             | Cast iron                |

| Dimensions in | mm   | Total weight | 353 kg |
|---------------|------|--------------|--------|
| A             | 1175 |              |        |
| B             | 203  |              |        |
| C             | 675  |              |        |
| D             | 300  |              |        |
| F             | 297  |              |        |

## Performance curves

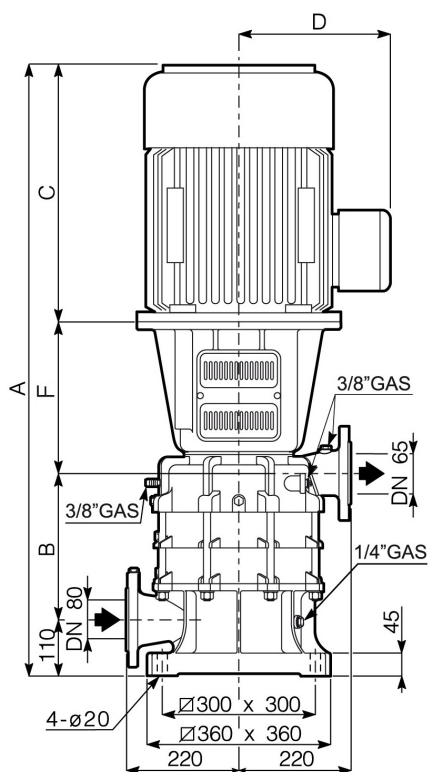
### ME40KV80-90/2A-TB

| Performances |      |                       |             |                       |
|--------------|------|-----------------------|-------------|-----------------------|
| Speed        |      | 2900 1/min            | Density     | 998 kg/m <sup>3</sup> |
| Flow         | Min. | 30 m <sup>3</sup> /h  | Viscosity   | 1 mm <sup>2</sup> /s  |
|              | Max. | 102 m <sup>3</sup> /h | Temperature | 20 °C                 |
| Efficiency   | Max. | 87 m <sup>3</sup> /h  | Tolerances  | ISO 9906 Grade 3B     |

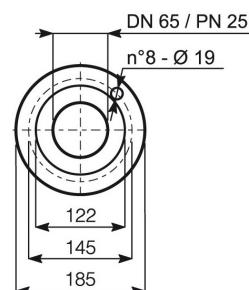


## Types of installation

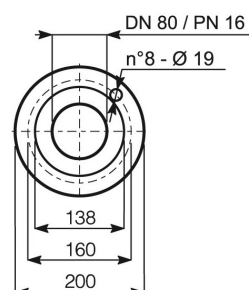
## ME40KV80-90/2A-TB



**Flangia premente**  
Delivery flange  
Bride de refoulement  
Druckstutzen  
Brida impulsión



**Flangia aspirante**  
Suction flange  
Bride d'aspiration  
Saugstutzen  
Brida aspiración



(Possibili orientamenti)  
(Possible orientations)  
(Orientations possibles)  
(Möglichen Orientierungen)  
(Orientaciones posibles)



| Dimensions in |      | mm | Total weight |  |  | 353 kg |
|---------------|------|----|--------------|--|--|--------|
| A             | 1175 |    |              |  |  |        |
| B             | 203  |    |              |  |  |        |
| C             | 675  |    |              |  |  |        |
| D             | 300  |    |              |  |  |        |
| F             | 297  |    |              |  |  |        |