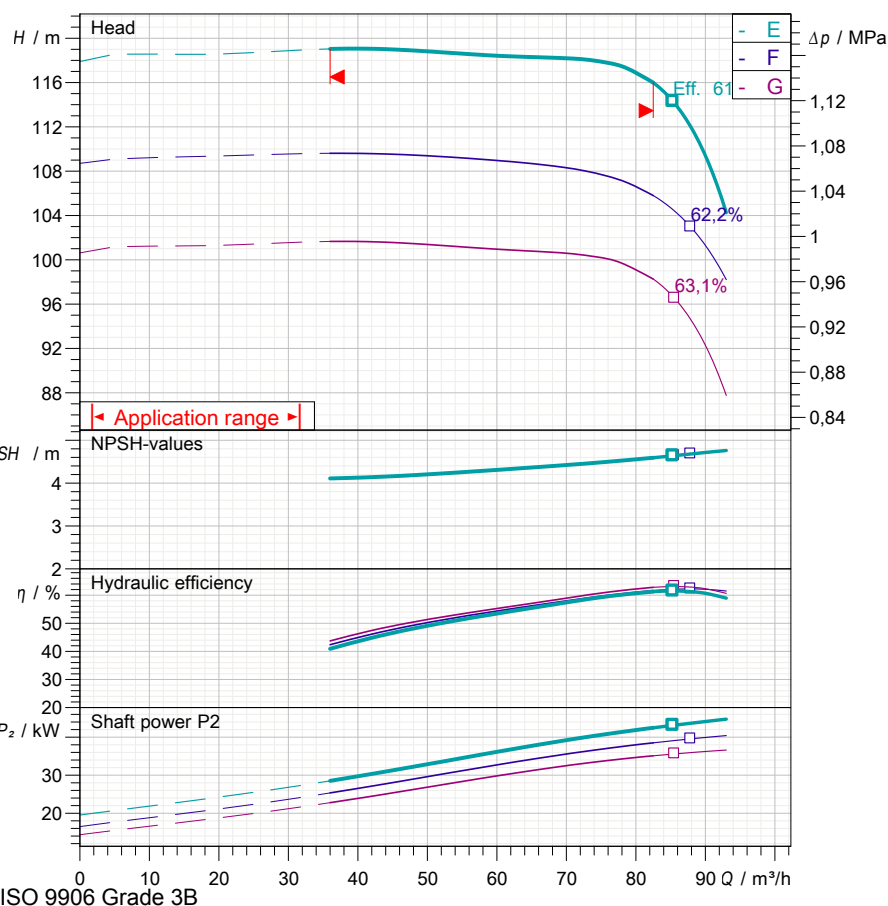


## Technical data

### T3-80AE-TW [3200 1/min]



#### Operating data specification

|                      |                    |
|----------------------|--------------------|
| Capacity             |                    |
| Head                 |                    |
| Fluid                | Pure water         |
| Type of installation | <Single head pump> |

#### Pump operating data

|                       |                         |
|-----------------------|-------------------------|
| Design                | T3-80AE-TW [3200 1/min] |
| Impeller Ø            | 269 mm                  |
| Speed                 | 3200 1/min              |
| Flow                  |                         |
| Head                  |                         |
| Shaft power P2        |                         |
| Efficiency            |                         |
| Head (Q=0)            | 118 m                   |
| Non return valve loss |                         |

#### Coupling

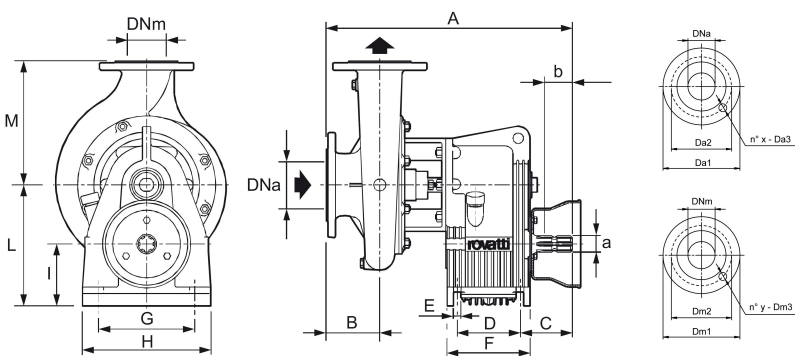
|                      |             |
|----------------------|-------------|
| Gear ratio           | 6,38        |
| PTO                  | 501 1/min   |
| Trolley              | CT.2 - CT.3 |
| Cardan shaft         | R 450/100   |
| Three-point mounting | A3T         |
|                      |             |
|                      |             |
|                      |             |
|                      |             |
|                      |             |

#### Use limits

|                                |           |
|--------------------------------|-----------|
| Max N° startings/hour          |           |
| Max. runing time with Q=0      | 2 min     |
| Max. solids contents           | 40 g/m³   |
| Max. pumped liquid temperature | 60 °C     |
| Maximum density                | 998 kg/m³ |
| Maximum viscosity              | 1 mm²/s   |

#### Materials

|                       |                     |
|-----------------------|---------------------|
| Gear box              | Cast iron           |
| PTO shaft             | Case hardened steel |
| PTO transmission gear | Case hardened steel |
| Shaft pinion          | Case hardened steel |
| Impeller              | Cast iron           |
| Pump body             | Cast iron           |
| Twiner system®        | Stainless steel     |
| Stuffing-box packing  | PTFE                |
|                       |                     |
|                       |                     |
|                       |                     |
|                       |                     |
|                       |                     |
|                       |                     |
|                       |                     |
|                       |                     |

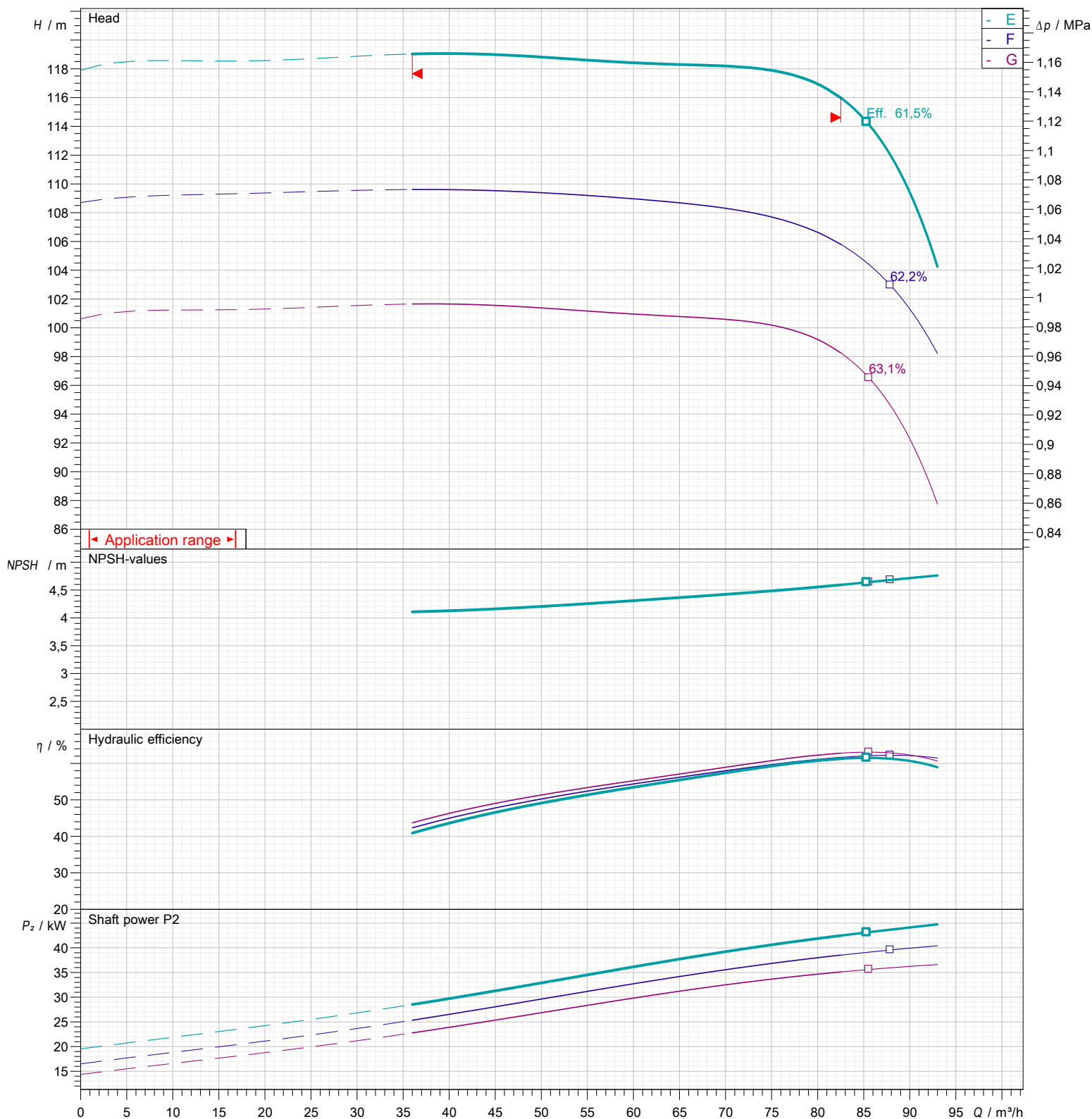


| Dimensions in |     |     |       | mm  | Total weight |  |  |  | 80 kg |
|---------------|-----|-----|-------|-----|--------------|--|--|--|-------|
| DNa           | 80  | G   | 240   | Da2 | 160          |  |  |  |       |
| DNm           | 65  | H   | 270   | Da3 | 18           |  |  |  |       |
| A             | 506 | I   | 130   | x   | 8            |  |  |  |       |
| B             | 105 | L   | 254   | Dm1 | 185          |  |  |  |       |
| C             | 111 | M   | 250   | Dm2 | 145          |  |  |  |       |
| D             | 130 | a   | 1"3/8 | Dm3 | 18           |  |  |  |       |
| E             | 15  | b   | 60    | y   | 4            |  |  |  |       |
| F             | 174 | Da1 | 200   |     |              |  |  |  |       |

## Performance curves

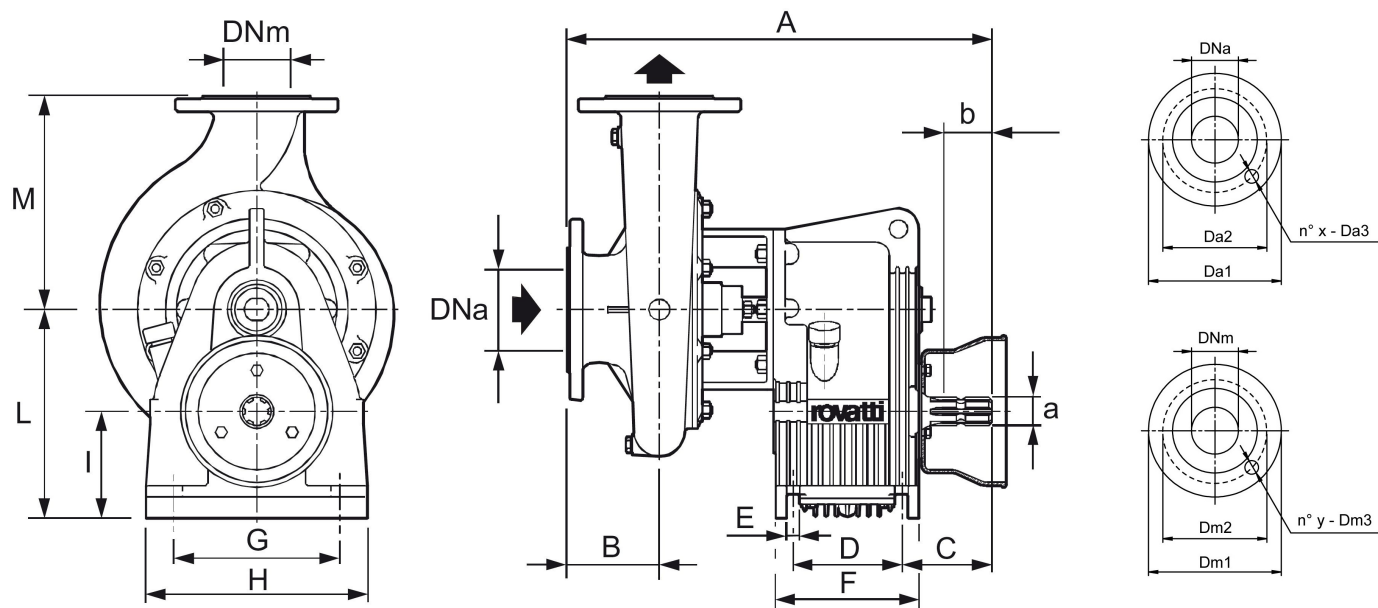
### T3-80AE-TW [3200 1/min]

| Performances |      |                        |             |                       |
|--------------|------|------------------------|-------------|-----------------------|
| Speed        |      | 3200 1/min             | Density     | 998 kg/m <sup>3</sup> |
| Flow         | Min. | 36 m <sup>3</sup> /h   | Viscosity   | 1 mm <sup>2</sup> /s  |
|              | Max. | 82,5 m <sup>3</sup> /h | Temperature | 20 °C                 |
| Efficiency   | Max. | 85,3 m <sup>3</sup> /h | Tolerances  | ISO 9906 Grade 3B     |



## Types of installation

### T3-80AE-TW [3200 1/min]



| Dimensions in |  |       | mm  | Total weight |    |  | 80 kg |
|---------------|--|-------|-----|--------------|----|--|-------|
| DNa           |  | 80    | Dm3 |              | 18 |  |       |
| DNm           |  | 65    | y   |              | 4  |  |       |
| A             |  | 506   |     |              |    |  |       |
| B             |  | 105   |     |              |    |  |       |
| C             |  | 111   |     |              |    |  |       |
| D             |  | 130   |     |              |    |  |       |
| E             |  | 15    |     |              |    |  |       |
| F             |  | 174   |     |              |    |  |       |
| G             |  | 240   |     |              |    |  |       |
| H             |  | 270   |     |              |    |  |       |
| I             |  | 130   |     |              |    |  |       |
| L             |  | 254   |     |              |    |  |       |
| M             |  | 250   |     |              |    |  |       |
| a             |  | 1 3/8 |     |              |    |  |       |
| b             |  | 60    |     |              |    |  |       |
| Da1           |  | 200   |     |              |    |  |       |
| Da2           |  | 160   |     |              |    |  |       |
| Da3           |  | 18    |     |              |    |  |       |
| x             |  | 8     |     |              |    |  |       |
| Dm1           |  | 185   |     |              |    |  |       |
| Dm2           |  | 145   |     |              |    |  |       |