

## Data sheet

## Hydraulic data

|                                        |                     |
|----------------------------------------|---------------------|
| Maximum operating pressure $P_N$       | 10 bar              |
| Delivery head for $Q_{min}$ $H_{Qmin}$ | 1.0 m               |
| Max. volume flow $Q_{max}$             | 0.4 m³/h            |
| Min. fluid temperature $T_{min}$       | 2 °C                |
| Max. fluid temperature $T_{max}$       | 95 °C               |
| Min. ambient temperature $T_{min}$     | 2 °C                |
| Max. ambient temperature $T_{max}$     | 40 °C               |
| Max. permitted total water hardness    | 3.57 mmol/l (20°dH) |

## Motor data

|                              |                |
|------------------------------|----------------|
| Mains connection             | 1~230 V, 50 Hz |
| Rated power $P_2$            | 5 W            |
| Rated current $I_N$          | 0.05 A         |
| Max. speed $n_{max}$         | 3000 1/min     |
| Power consumption $P_{1min}$ | 3 W            |
| Power consumption $P_{1max}$ | 5 W            |
| Interference emission        | EN 61000-6-3   |
| Interference immunity        | EN 61000-6-2   |
| Protection class motor       | IP42           |
| Insulation class             | F              |
| Threaded cable connection    | 1 x PG11       |
| Motor protection             | no             |

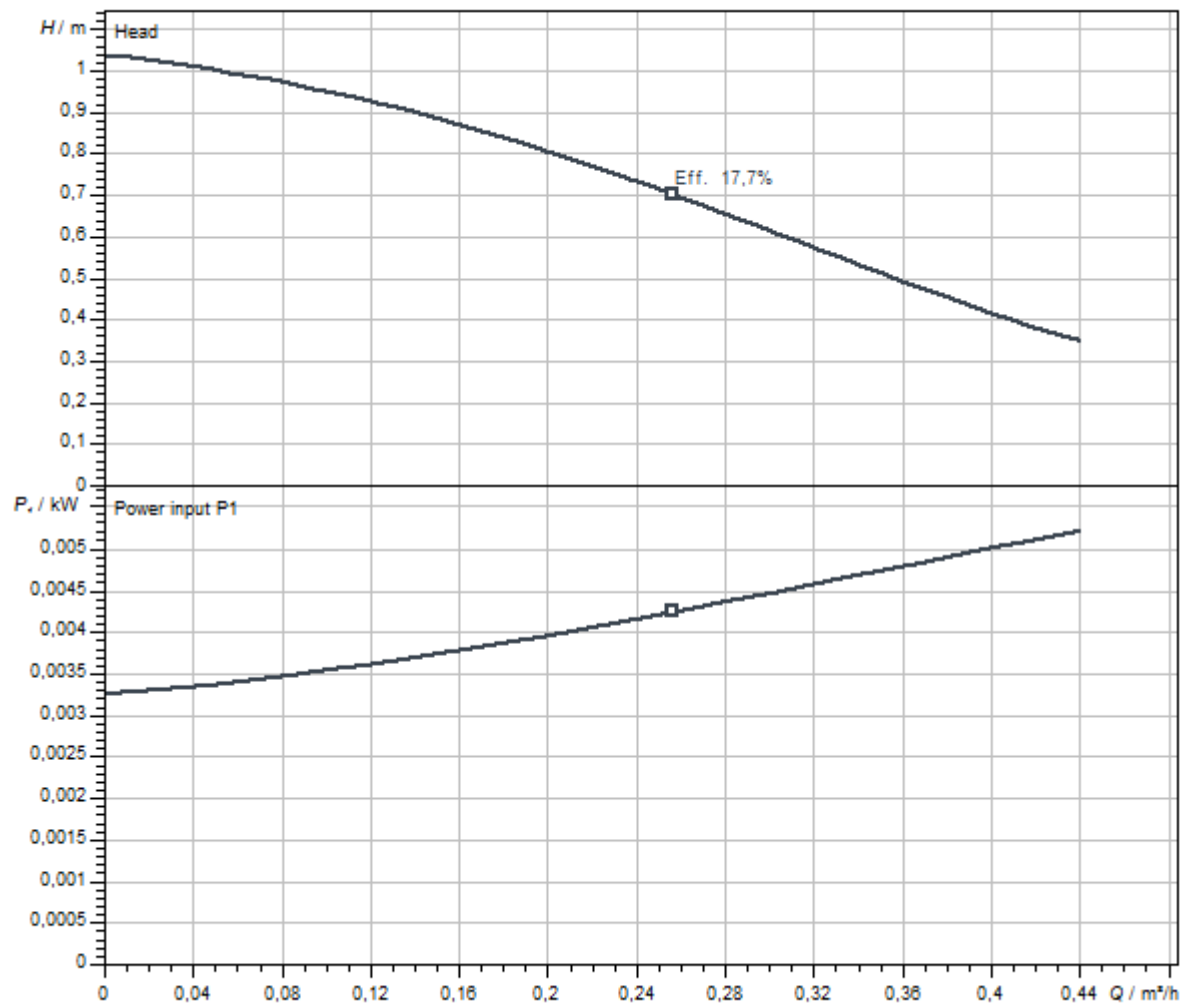
## Materials

|              |                                     |
|--------------|-------------------------------------|
| Pump housing | Brass                               |
| Impeller     | PPE/PS-GF30                         |
| Shaft        | Ceramic                             |
| Bearing      | Carbon, synthetic resin-impregnated |

## Installation dimensions

|                                             |       |
|---------------------------------------------|-------|
| Thread                                      | G 1   |
| Pipe connection on the suction side $DNs$   | Rp ½  |
| Pipe connection on the discharge side $DNd$ | Rp ½  |
| Port-to-port length $L0$                    | 84 mm |

Pump curves



Dimensions and dimensions drawings

Star Z-NOVA

