

## Technical data

### Glanded monobloc pump Atmos GIGA-B 80/315-22/4

Project ID

Untitled project 2025-03-01 17:45:51.999

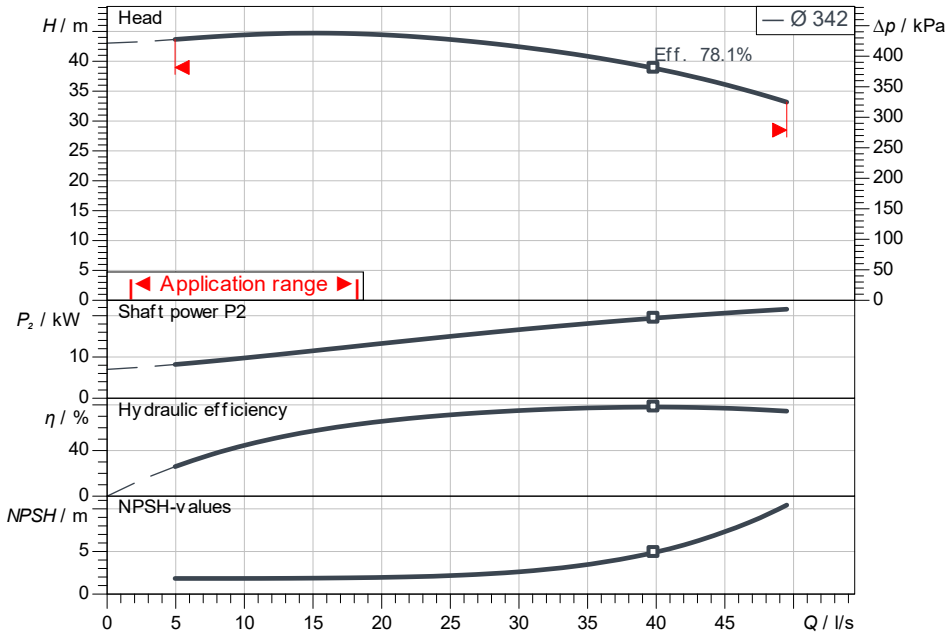
Project name

Installation location

Customer pos. No.

Date 2025-03-01

#### Duty chart



#### Requested data

|                   |                          |
|-------------------|--------------------------|
| Flow              |                          |
| Head              |                          |
| Media             | Water 100 %              |
| Fluid temperature | 20.00 °C                 |
| Density           | 998.30 kg/m <sup>3</sup> |
| Kin. viscosity    | 1.00 mm <sup>2</sup> /s  |

#### Hydraulic data (Duty point)

|                      |  |
|----------------------|--|
| Flow                 |  |
| Head                 |  |
| Shaft power $P_2$    |  |
| Hydraulic efficiency |  |
| NPSH                 |  |

#### Product data

|                                |                    |
|--------------------------------|--------------------|
| Glanded monobloc pump          |                    |
| Atmos GIGA-B 80/315-22/4       |                    |
| Max. operating pressure        | 1,600 kPa          |
| Fluid temperature              | -20 °C ... +140 °C |
| Max. ambient temperature       | 40 °C              |
| Minimum efficiency index (MEI) | ≥ 0.4              |

#### Motordata per Motor/Pump

|                             |                 |
|-----------------------------|-----------------|
| Motor efficiency level      | IE3             |
| Mains connection            | 3~400 V / 50 Hz |
| Permitted voltage tolerance | +/-10 %         |
| Rated speed                 | 1,450 1/min     |
| Rated power $P_2$           | 22.00 kW        |
| Rated current               | 41.60 A         |
| Power factor                | 0.85            |
| Efficiency                  |                 |
| 50% / 75% / 100%            | 92/93/92.5%     |
| Degree of protection        | IP55            |
| Insulation class            | F               |
| Motor protection            | PTC integrated  |

#### Fitting dimensions

|                                     |               |
|-------------------------------------|---------------|
| Pipe connection on the suction side | DN 100, PN 16 |
| Pipe connection (pressure side)     | DN 80, PN 16  |
| Port to Port                        | -             |

#### Materials

|                                        |                   |
|----------------------------------------|-------------------|
| Pump housing                           |                   |
| 5.1301, EN-GJL-250 cataphoretic-coated |                   |
| Impeller                               | EN-GJL-200        |
| Lantern                                | 5.1301/EN-GJL-250 |
| Shaft                                  | 1.4122            |
| Shaft seal                             | AQ1EGG            |

#### Information for order placements

|                |         |
|----------------|---------|
| Weight approx. | 337 kg  |
| Item number    | 9139895 |

