

## Technical data

### High-pressure multistage centrifugal pump Zeox-FIRST V 6005/A-55-2

Project ID

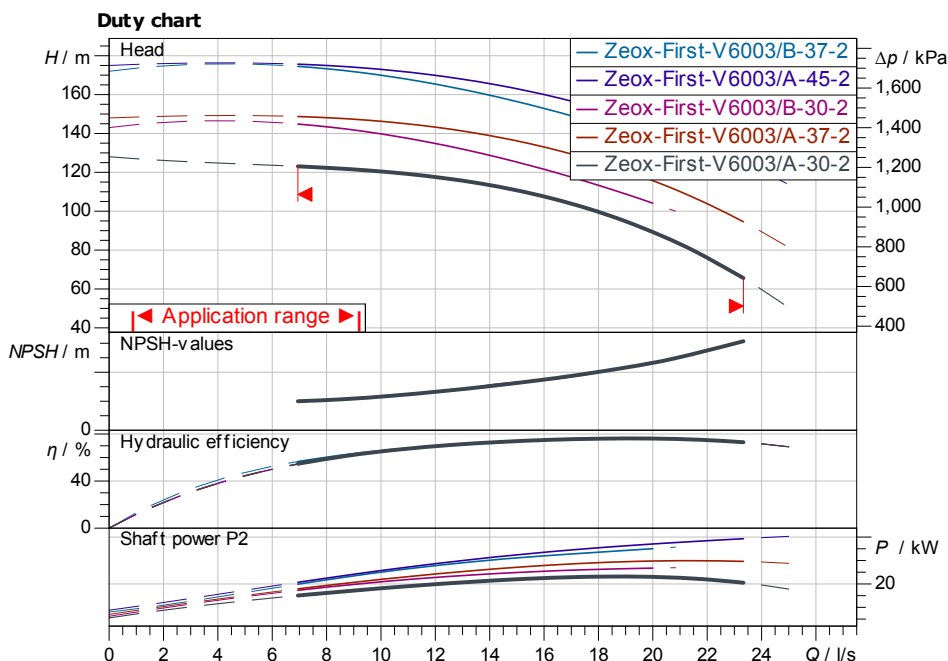
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Project name

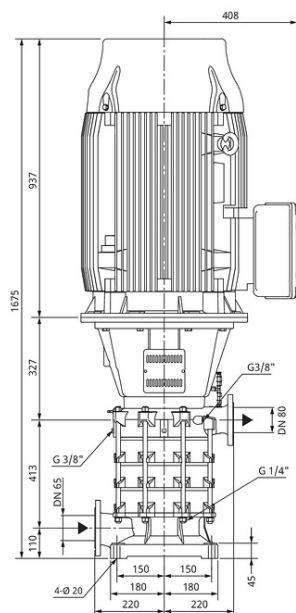
Installation location

Customer pos. No.

Date 2025-03-04



ISO 9906: 2012 3B



## Dimensions

mm

## 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

|                                           |                  |
|-------------------------------------------|------------------|
| High-pressure multistage centrifugal pump |                  |
| Zeox-FIRST V 6005/A-55-2                  |                  |
| Max. operating pressure                   | 2,700 kPa        |
| Fluid temperature                         | -5 °C ... +90 °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 %            |
| Max. speed                  | 2,900 1/min         |
| Rated power $P_2$           | 55.00 kW            |
| Rated current               | 95.60 A             |
| Power factor                | 0.88                |
| Efficiency                  | 50 % / 75 % / 100 % |
|                             | 93.6/94.4/94.4 %    |
| Degree of protection        | IP55                |
| Insulation class            | F                   |
| Motor protection            |                     |

## Fitting dimensions

|                                     |              |
|-------------------------------------|--------------|
| Pipe connection on the suction side | DN 80, PN 16 |
| Pipe connection (pressure side)     | DN 65, PN 40 |
| Port to Port                        |              |

## Materials

|                 |                   |
|-----------------|-------------------|
| Pump housing    | 5.1301/EN-GJL-250 |
| Shaft           | 1.6510            |
| Shaft seal      | U2BPFG            |
| Gasket material | NBR               |
| Impeller        | EN-GJL-200        |

## Information for order placements

|                |         |
|----------------|---------|
| Weight approx. |         |
| Item number    | 4191947 |

## Dimensions

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Zeox-FIRST V 6005/A-55-2

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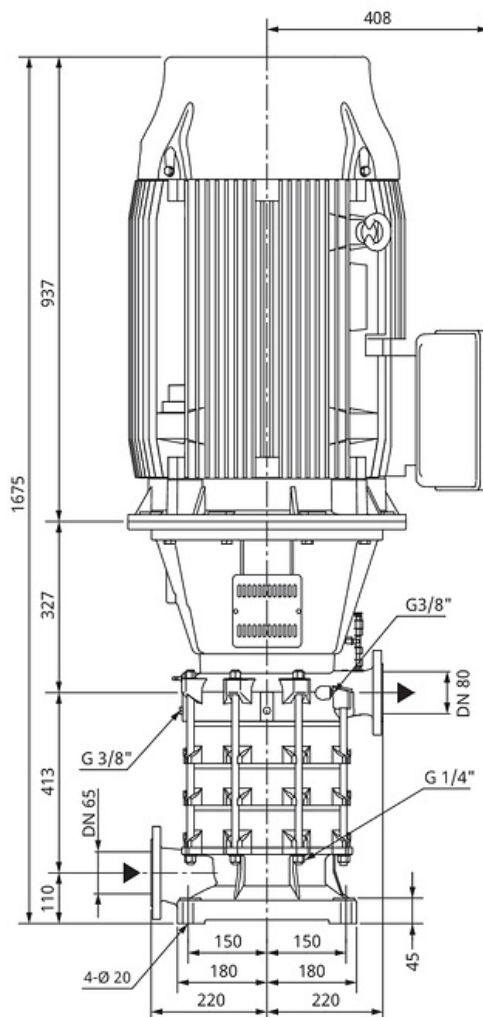
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Standard

Suction side DN 80, PN 16/PN 40

Discharge side DN 65, PN 16/PN 40

**Dimensions** mm

| Name | Value | Name | Value | Name | Value | Name | Value |
|------|-------|------|-------|------|-------|------|-------|
|------|-------|------|-------|------|-------|------|-------|