

**Customer**

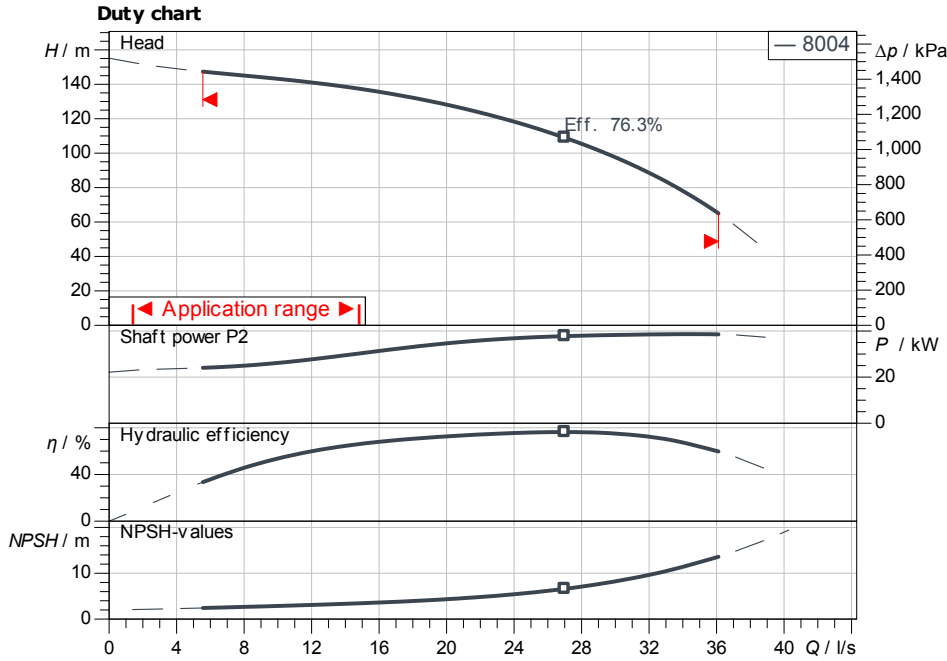
## Technical data

### High-pressure multistage centrifugal pump MVI 7004-3/16/E/3-460-60-2

Project ID: Untitled project 2025-03-05 08:57:18.785

Project name  
Installation location  
Customer pos. No.

Date: 2025-03-05



**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  
MVI 7004-3/16/E/3-460-60-2  
 Max. operating pressure: 1,600 kPa  
 Inlet pressure max.: 10 bar  
 Fluid temperature: -15 °C ... +120 °C  
 Max. ambient temperature: 50 °C  
 Minimum efficiency index (MEI)

**Motordata per Motor/Pump**

Motor efficiency level: IE3  
 Mains connection: 3~ 460 V / 60 Hz  
 Permitted voltage tolerance: +6 %  
 Max. speed: 3,573 1/min  
 Rated power  $P_2$ : 45.00 kW  
 Rated current: 69.70 A  
 Power factor: 0.89  
 Service factor: 1.2  
 Efficiency: 50% / 75% / 100% // %  
 Degree of protection: IP55  
 Insulation class: F  
 Motor protection: No

**Fitting dimensions**

Pipe connection on the suction side: DN 100, PN 16  
 Pipe connection (pressure side): DN 100, PN 16

**Materials**

Pump housing: 5.1301/EN-GJL-250  
 Impeller: 1.4408  
 Shaft: 1.4057  
 Shaft seal: U3BE3GG  
 Gasket material: EPDM

**Information for order placements**

Weight approx.: 370 kg  
 Item number: 4082038

ISO 9906: 2012 3B

**Dimensions**

H: 1,56  
 H2: 927  
 ØM: 456  
 X: 279

mm

