

**Customer**

## Technical data

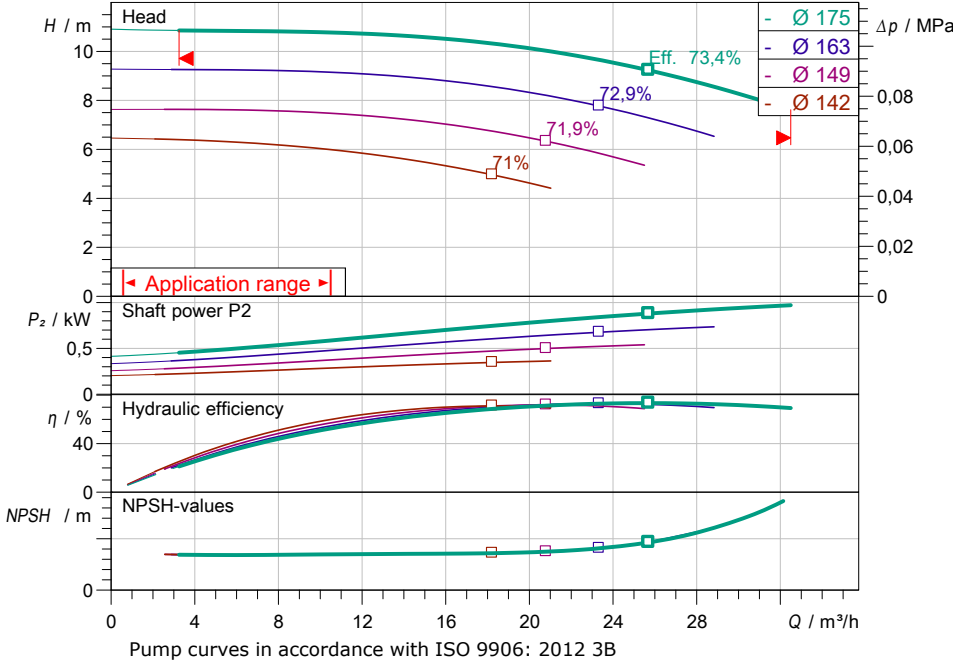
### Glanded standard pump Atmos GIGA-N 40/160-1,1/4

Project name                      Untitled project 2023-04-17 06:56:01.101

Project ID  
Installation location  
Customer pos. No.

Date                      17.04.2023

#### 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 P2  
Hydraulic efficiency  
NPSH  
Impeller size                      175

#### Product data

Glanded standard pump  
Atmos GIGA-N 40/160-1,1/4  
Max. operating pressure                      1,6 MPa  
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 %  
Max. speed                      1455 1/min  
Rated power P2                      1,10 kW  
Rated current                      2,35 A  
Power factor                      0,72  
Efficiency  
50% / 75% / 100%                      83/84,5/84,5%  
Degree of protection                      IP55  
Insulation class                      F  
Motor protection                      no

#### Fitting dimensions

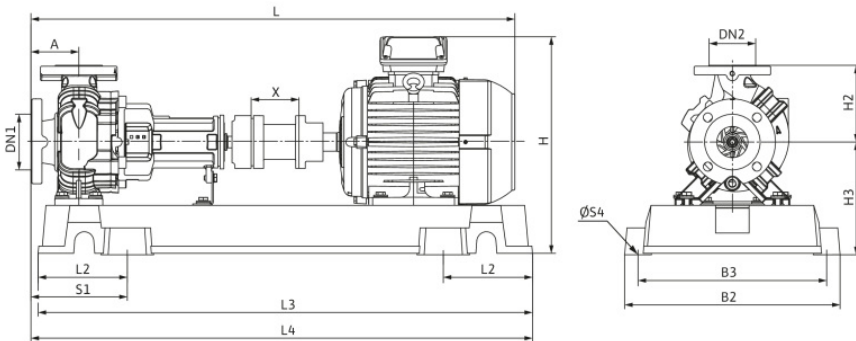
Pipe connection on the suction side                      DN 65, PN 16  
Pipe connection (pressure side)                      DN 40, PN 16  
Port to Port

#### Materials

Pump housing                      5.1301, EN-GJL-250  
cataphoretic-coated  
Impeller                      EN-GJL-200  
Lantern                      5.1301/EN-GJL-250  
Shaft                      1.4021  
Shaft seal                      AQ1EGG

#### Information for order placements

Weight approx.                      105 kg  
Item number                      6086540



#### Dimensions

mm

DN1	DN 65, PN 16	372	L3	830
DN2	DN 40, PN 16	160	L4	835
A	80	H3	S1	150
B2	360	L	S4	19
B3	320	L2	X	100



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## Hydraulic data

Glanded standard pump  
Atmos GIGA-N 40/160-1,1/4

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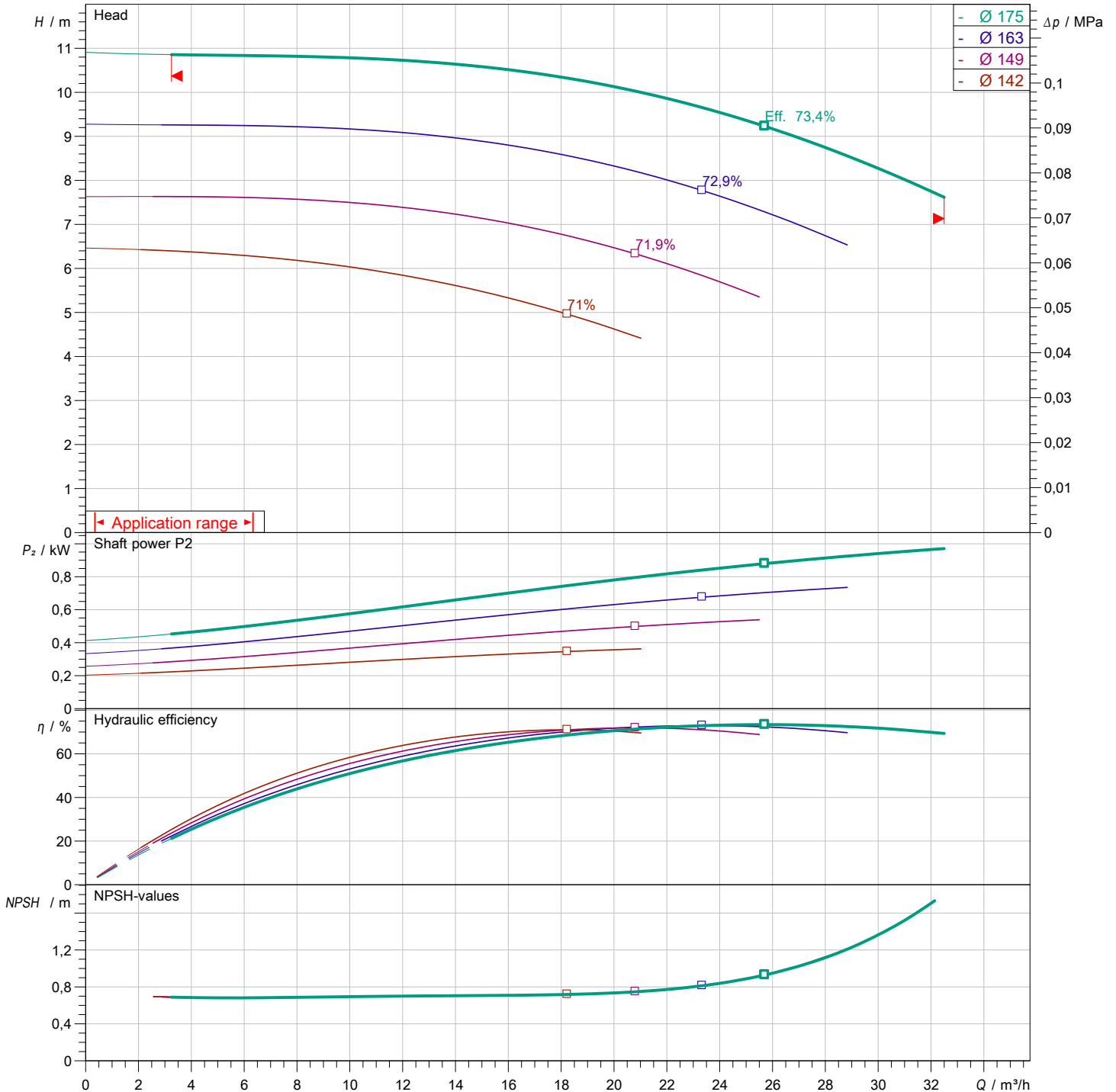
Project ID  
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## Operating data

Speed <b>1442 1/min</b>	Frequency <b>50 Hz</b>	Duty point <b>Q =</b>	<b>H =</b>	Suction port <b>DN 65</b>	Discharge port <b>DN 40</b>
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Power data referred to: Water; 20°C; 998,3kg/m³; 1,005mm²/s ±10% tolerance with linear U/f frequency control



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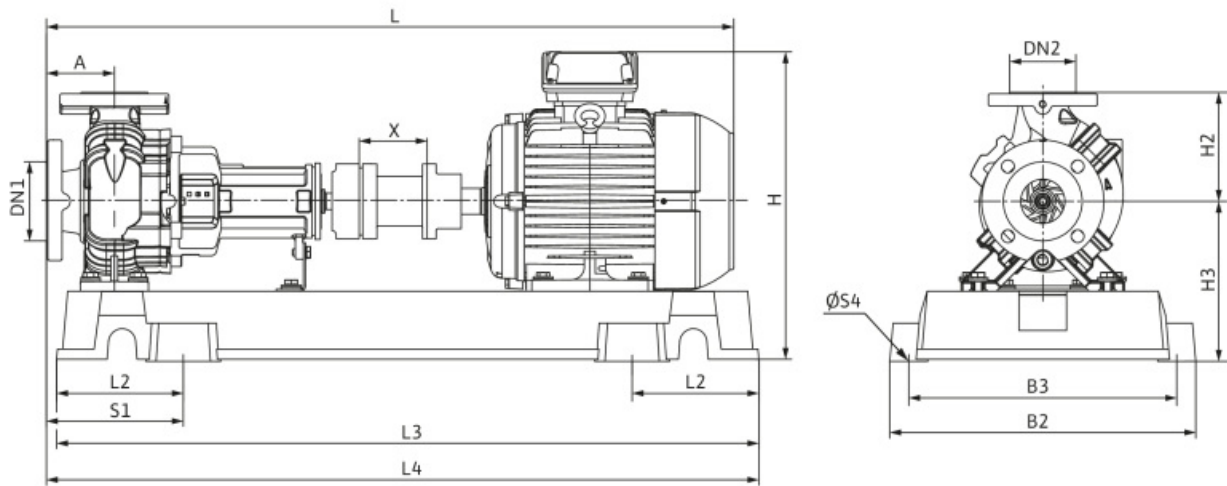
## Dimensions

Glanded standard pump  
Atmos GIGA-N 40/160-1,1/4

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Coupling with spacer

Suction side                      DN 65, PN 16  
Discharge side                    DN 40, PN 16

**Dimensions**                      mm

Name	Value	Name	Value	Name	Value	Name	Value
DN1	DN 65, PN 16	H3	215	X	100		
DN2	DN 40, PN 16	L	844				
A	80	L2	145				
B2	360	L3	830				
B3	320	L4	835				
H	372	S1	150				
H2	160	S4	19				