

**Customer**

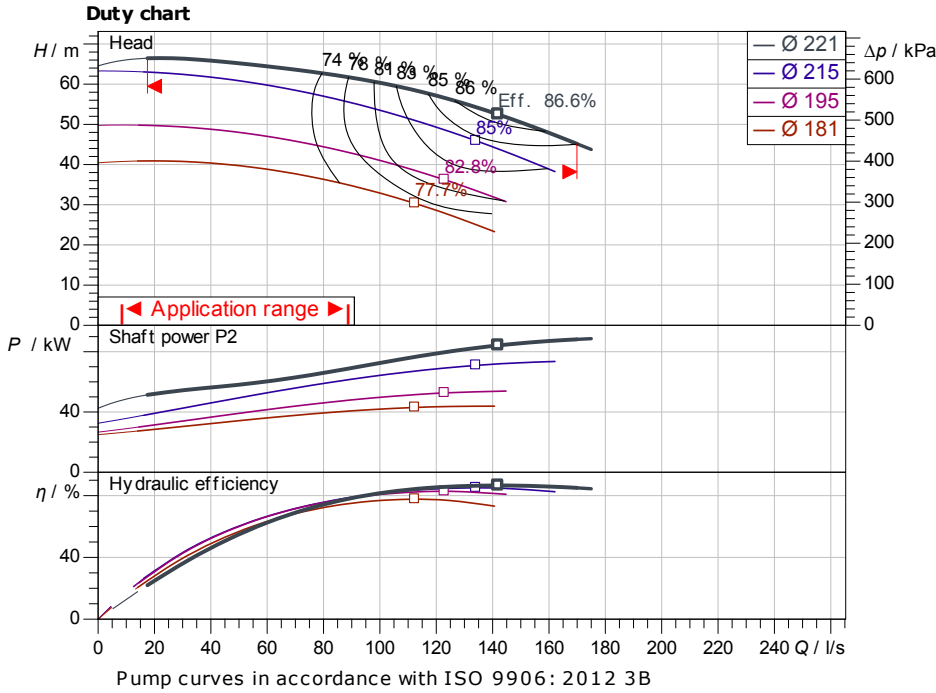
## Technical data

### Glanded standard pump Atmos GIGA-N 125/200-90/2-IE4

Project ID                      Untitled project 2025-03-03 06:26:03.775

Project name  
Installation location  
Customer pos. No.

Date                      2025-03-03



#### 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  
Impeller size                      221

#### Product data

Glanded standard pump  
Atmos GIGA-N 125/200-90/2-IE4  
Max. operating pressure       1,600 kPa  
Fluid temperature           -20 °C ... +140 °C  
Max. ambient temperature   40 °C  
Minimum efficiency index (MEI)  $\geq 0.4$

#### Motordata per Motor/Pump

Motor efficiency level           IE4  
Mains connection               3~ 400 V / 50 Hz  
Permitted voltage tolerance   + -10 %  
Max. speed                      2,980 1/min  
Rated power  $P_2$                90.00 kW  
Rated current                   150.00 A  
Power factor                    0.9  
Efficiency  
50% / 75% / 100%           95.5/96.2/96.5%  
Degree of protection           IP55  
Insulation class                F  
Motor protection                PTC integrated

#### Fitting dimensions

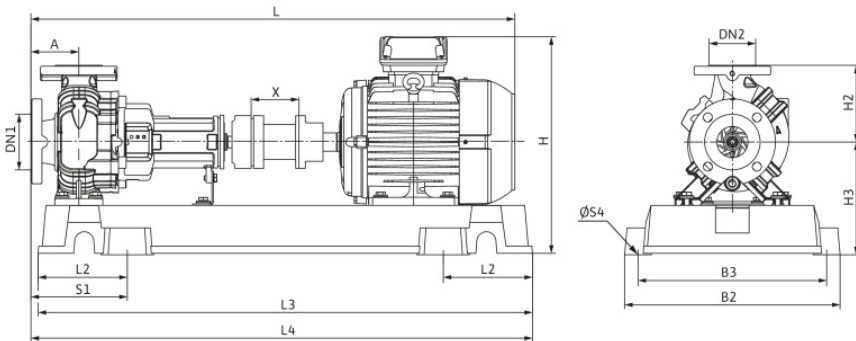
Pipe connection on the suction side DN 150, PN 16  
Pipe connection (pressure side) DN 125, PN 16  
Port to Port

#### Materials

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

#### Information for order placements

Weight approx.               1355.4 kg  
Item number                   6096226



#### Dimensions

mm

A	140	H	875	L3	1,840
B2	730	H2	315	L4	1,870
B3	670	H3	403	S1	350
DN1	DN 150,	L	1,821	S4	29
DN2	DN 125,	L2	320	X	140



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Phone

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# Hydraulic data

Glanded standard pump  
Atmos GIGA-N 125/200-90/2-IE4

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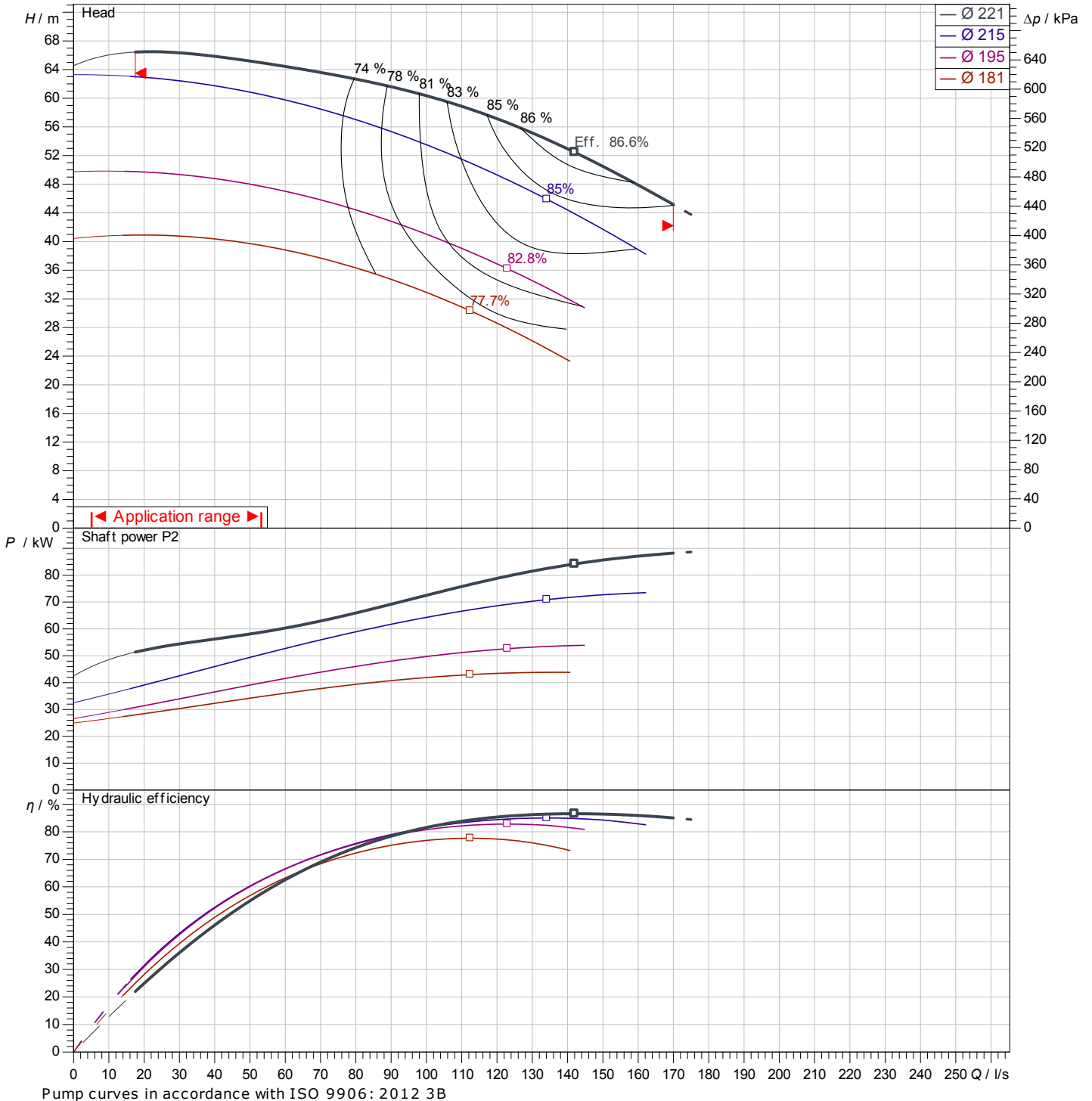
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## Operating data

Rotational speed <b>2975 1/min</b>	Frequency <b>50 Hz</b>	Duty point <b>Q =</b>	<b>H =</b>	Suction port <b>DN 150</b>	Discharge port <b>DN 125</b>
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Power data referred to: Water; 20°C; 998.3kg/m<sup>3</sup>; 1.005mm<sup>2</sup>/s ±10 % tolerance with linear U/f frequency control



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## Dimensions

Glanded standard pump  
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**Coupling with spacer**

Suction side                      DN 150, PN 16  
Discharge side                      DN 125, PN 16

**Dimensions**                      mm

Name	Value	Name	Value	Name	Value	Name	Value
A	140	H3	403	X	140		
B2	730	L	1,821				
B3	670	L2	320				
DN1	DN 150, PN 16	L3	1,840				
DN2	DN 125, PN 16	L4	1,870				
H	875	S1	350				
H2	315	S4	29				