

**Customer**

**Technical data**

**Glanded standard pump  
NLG 200/450-132/4-IE4**

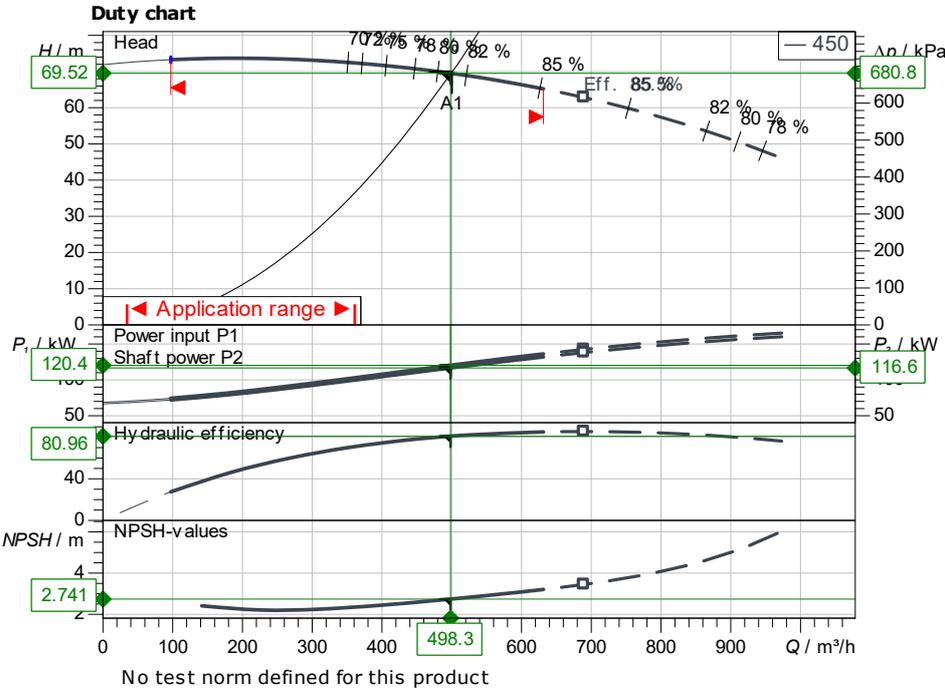
Project ID Jonavos g. 276 Kaunas, Kauno energija

Project name L-LT001964-MEAU

Installation location

Customer pos. No.

Date 2025-06-30



**Requested data**

Flow	500.00 m³/h
Head	70.00 m
Media	Water 100 %
Fluid temperature	20.00 °C
Density	998.19 kg/m³
Kin. viscosity	1.00 mm²/s

**Hydraulic data (Duty point)**

Flow	498.30 m³/h
Head	69.52 m
Shaft power P2	116.63 kW
Hydraulic efficiency	80.96 %
NPSH	2.74 m
Impeller size	450

**Product data**

Glanded standard pump	NLG 200/450-132/4-IE4
Max. operating pressure	1600 kPa
Fluid temperature	-20 °C ... +120 °C
Max. ambient temperature	40 °C
Minimum efficiency index (MEI)	≥ 0.4

**Motordata per Motor/Pump**

Motor efficiency level	IE4
Mains connection	3~ 400 V / 50 Hz
Permitted voltage tolerance	+10 %
Max. speed	1490 1/min
Rated power P2	132.00 kW
Rated current	229.00 A
Power factor	0.86
Efficiency	50 % / 75 % / 100 %
Degree of protection	IP55
Insulation class	F
Motor protection	PTC integrated

**Fitting dimensions**

Pipe connection on the suction side	DN 250, PN 16
Pipe connection (pressure side)	DN 200, PN 16
Port to Port	

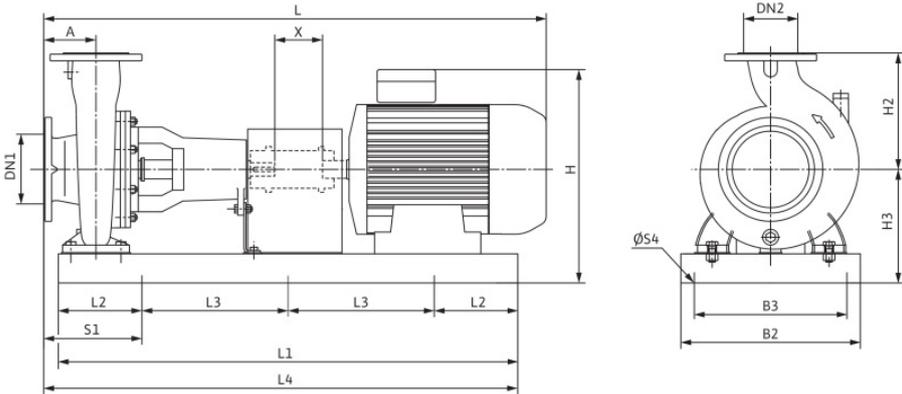
**Materials**

Pump housing	EN-GJS-500-7
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Impeller	5.1301/EN-GJL-250
Lantern	EN-GJS-500-7
Shaft	1.4028
Shaft seal	AQ1EGG

**Information for order placements**

Weight approx.	
Item number	6096290



**Dimensions**

mm

A	160	DN1	DN 250,	L	2284	S4	29
A1	14	DN2	DN 200,	L1	1840	X	180
A2	160	H	1003	L2	370		
B2	860	H2	450	L4	2170		
B3	790	H3	473	S1	400		



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**Customer**

Contact  
 E-mail  
 Phone

**Hydraulic data**

Glanded standard pump  
 NLG 200/450-132/4-IE4

Project ID Jonavos g. 276 Kaunas, Kauno energija

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Installation location

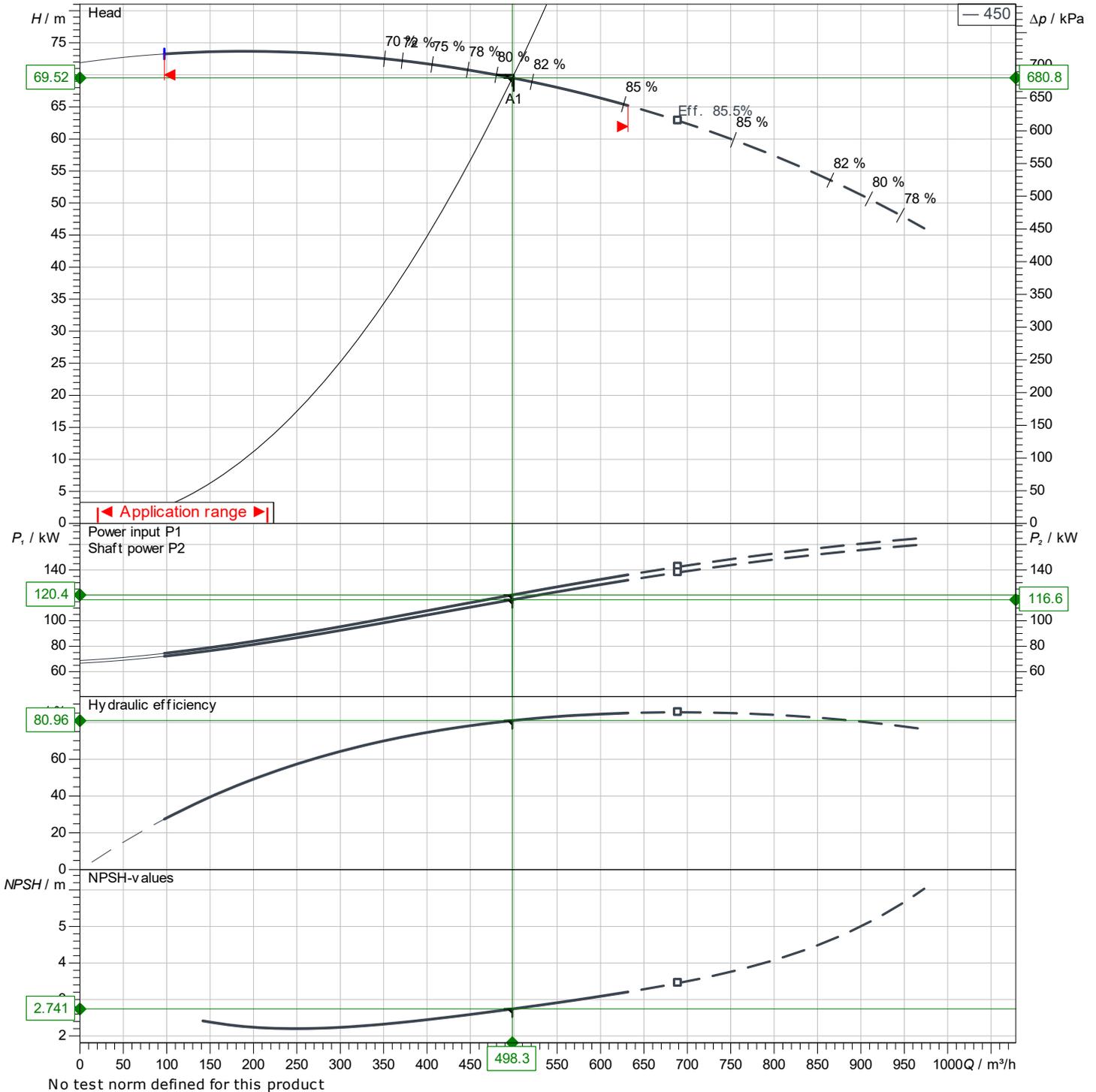
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**Operating data**

Rotational speed <b>1490 1/min</b>	Frequency <b>50 Hz</b>	Duty point <b>Q = 500.00 m<sup>3</sup>/h</b>	<b>H = 70.00 m</b>	Suction port <b>DN 250</b>	Discharge port <b>DN 200</b>
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Power data referred to: Water; 20°C; 998.2kg/m<sup>3</sup>; 1.001mm<sup>2</sup>/s ±10 % tolerance with linear U/f frequency control



No test norm defined for this product

**Customer**

## Dimensions

### Glanded standard pump NLG 200/450-132/4-IE4

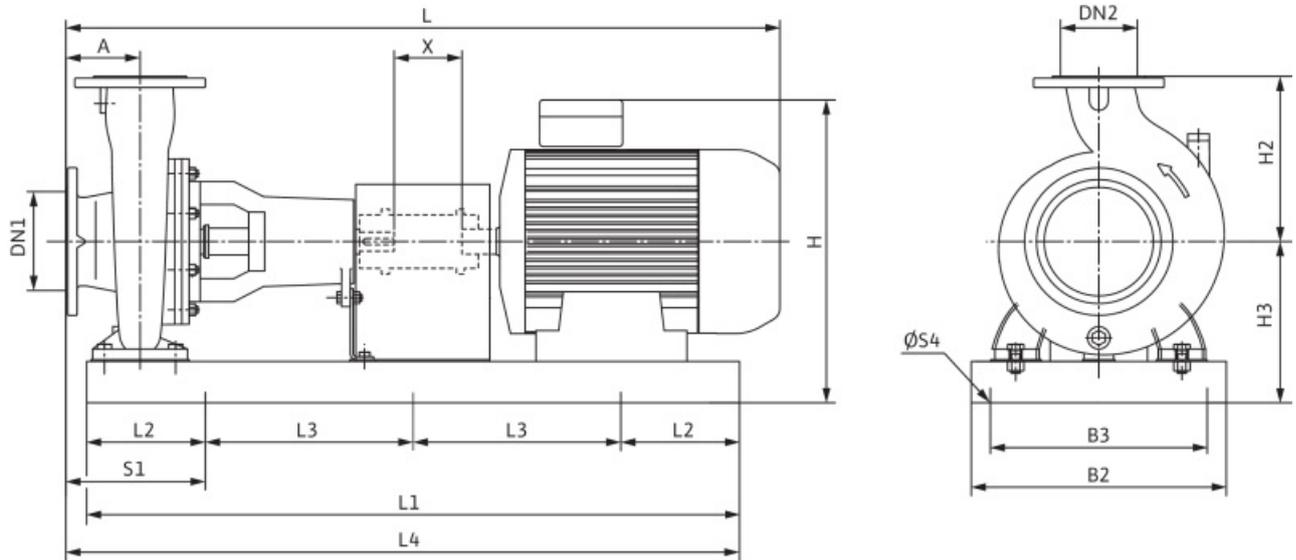
Project ID Jonavos g. 276 Kaunas, Kauno energija

Project name L-LT001964-MEAU

Installation location

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Date 2025-06-30



**Coupling with spacer**

Suction side DN 250, PN 16  
 Discharge side DN 200, PN 16

**Dimensions** mm

Name	Value	Name	Value	Name	Value	Name	Value
A	160	H	1003	S1	400		
A1	14	H2	450	S4	29		
A2	160	H3	473	X	180		
B2	860	L	2284				
B3	790	L1	1840				
DN1	DN 250, PN 16	L2	370				
DN2	DN 200, PN 16	L4	2170				

**Customer**

**Technical data**

**Glanded standard pump**  
Atmos GIGA-N 100/200-75/2-IE4

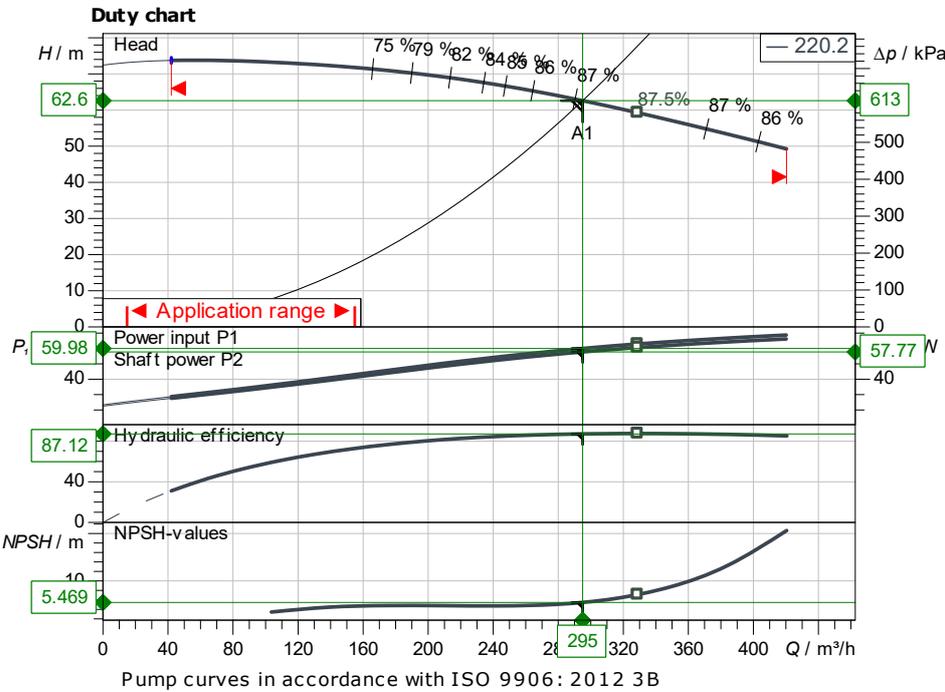
Project ID Jonavos g. 276 Kaunas, Kauno energija

Project name L-LT001964-MEAU

Installation location

Customer pos. No.

Date 2025-06-30



**Requested data**

Flow	295.00 m³/h
Head	62.60 m
Media	Water 100 %
Fluid temperature	20.00 °C
Density	998.19 kg/m³
Kin. viscosity	1.00 mm²/s

**Hydraulic data (Duty point)**

Flow	295.00 m³/h
Head	62.60 m
Shaft power P2	57.77 kW
Hydraulic efficiency	87.12 %
NPSH	5.47 m
Impeller size	220.2

**Product data**

Glanded standard pump	
Atmos GIGA-N 100/200-75/2-IE4	
Max. operating pressure	1600 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	IE4
Mains connection	3~ 400 V / 50 Hz
Permitted voltage tolerance	+ -10 %
Max. speed	2980 1/min
Rated power P2	75.00 kW
Rated current	125.00 A
Power factor	0.9
Efficiency	
50% / 75% / 100%	95.1/96/96.3%
Degree of protection	IP55
Insulation class	F
Motor protection	PTC integrated

**Fitting dimensions**

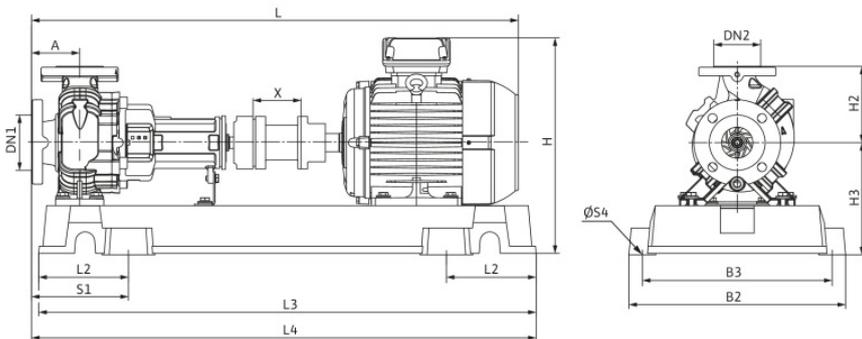
Pipe connection on the suction side	DN 125, PN 16
Pipe connection (pressure side)	DN 100, PN 16
Port to Port	

**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.	1230.7 kg
Item number	6096279



**Dimensions**

mm

A	125	H	875	L3	1840
B2	730	H2	280	L4	1855
B3	670	H3	403	S1	335
DN1	DN 125,	L	1806	S4	29
DN2	DN 100,	L2	320	X	140



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Customer

Contact  
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Phone

### Hydraulic data

Glanded standard pump  
Atmos GIGA-N 100/200-75/2-IE4

Project ID Jonavos g. 276 Kaunas, Kauno energija

Project name L-LT001964-MEAU

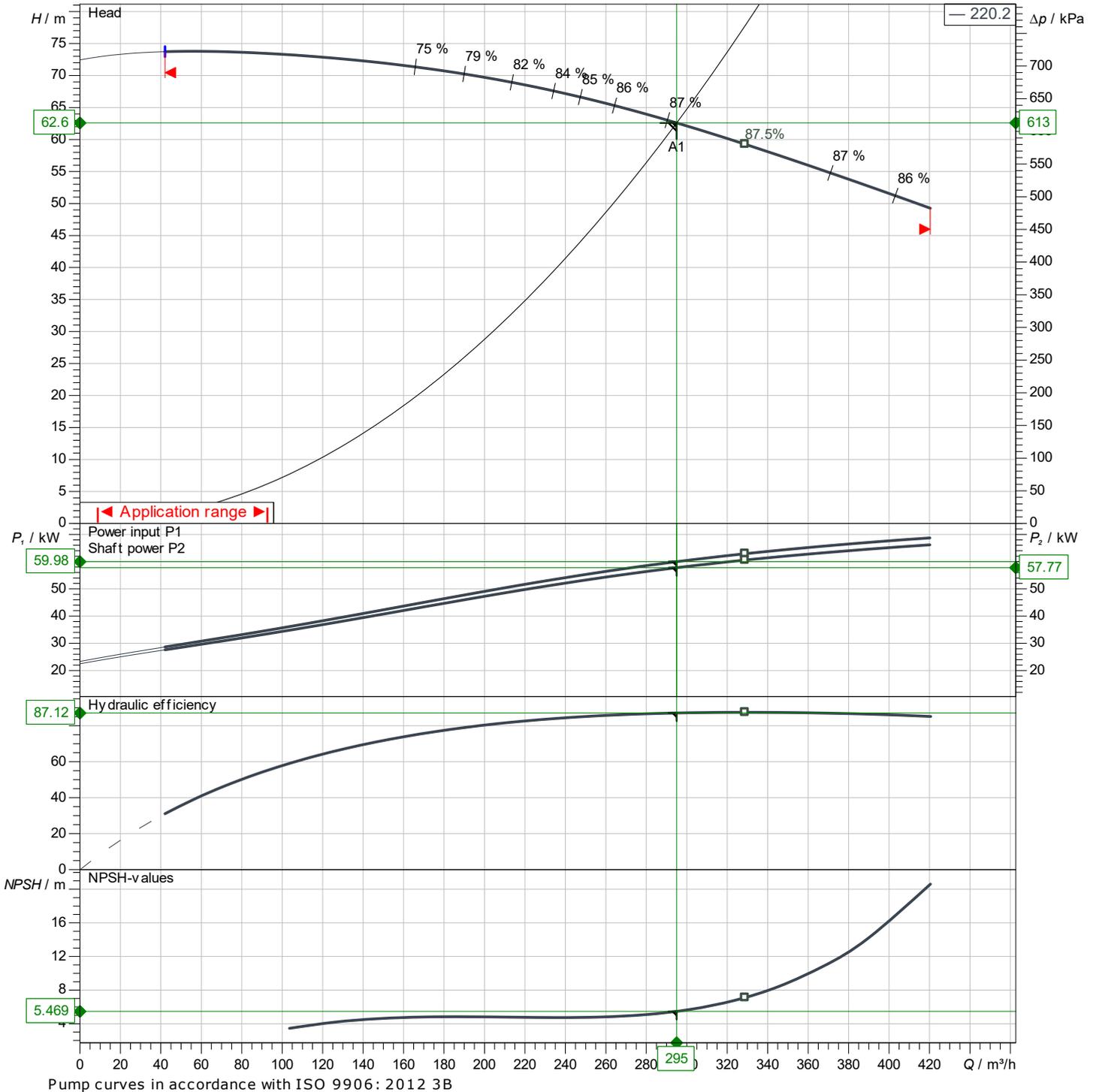
Installation location  
Customer pos. No.

Date 2025-06-30

### Operating data

Rotational speed <b>2975 1/min</b>	Frequency <b>50 Hz</b>	Duty point <b>Q = 295.00 m<sup>3</sup>/h</b>	<b>H = 62.60 m</b>	Suction port <b>DN 125</b>	Discharge port <b>DN 100</b>
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Power data referred to: Water; 20°C; 998.2kg/m<sup>3</sup>; 1.001mm<sup>2</sup>/s ±10 % tolerance with linear U/f frequency control



Pump curves in accordance with ISO 9906: 2012 3B

**Customer**

## Dimensions

### Glanded standard pump Atmos GIGA-N 100/200-75/2-IE4

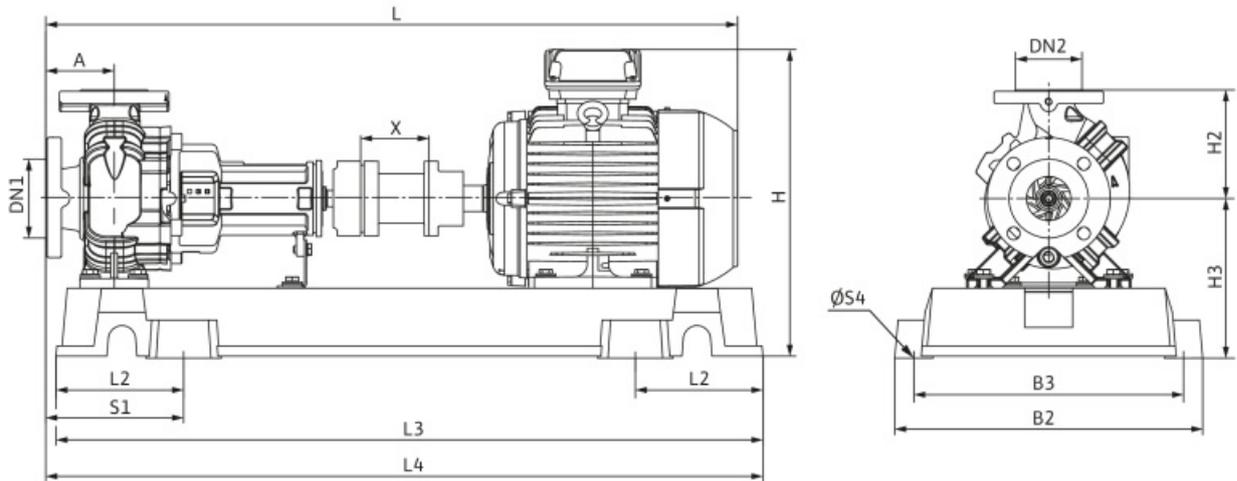
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Installation location

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**Coupling with spacer**

Suction side DN 125, PN 16  
 Discharge side DN 100, PN 16

**Dimensions** mm

Name	Value	Name	Value	Name	Value	Name	Value
A	125	H3	403	X	140		
B2	730	L	1806				
B3	670	L2	320				
DN1	DN 125, PN 16	L3	1840				
DN2	DN 100, PN 16	L4	1855				
H	875	S1	335				
H2	280	S4	29				