

**Customer**

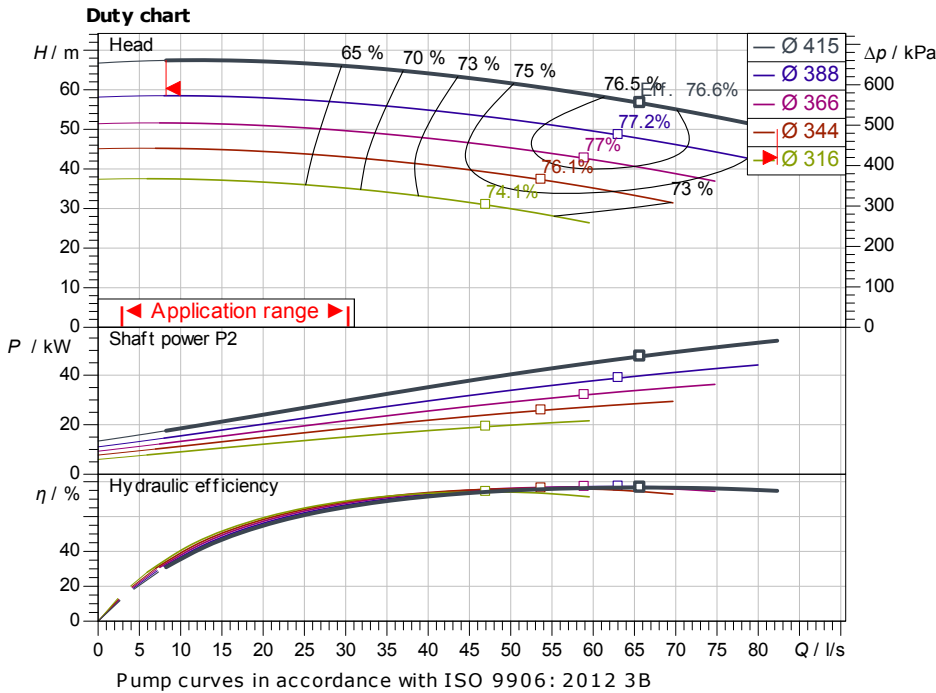
## Technical data

### Glanded standard pump Atmos GIGA-N 100/400-55/4

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 P2  
Hydraulic efficiency  
NPSH  
Impeller size: 415

#### Product data

Glanded standard pump  
Atmos GIGA-N 100/400-55/4  
Max. operating pressure: 1,600 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: IE3  
Mains connection: 3~ 400 V / 50 Hz  
Permitted voltage tolerance: + -10 %  
Max. speed: 1,480 1/min  
Rated power P2: 55.00 kW  
Rated current: 98.60 A  
Power factor: 0.8  
Efficiency: 50% / 75% / 100% → 94.3/94.7/94.7%  
Degree of protection: IP55  
Insulation class: F  
Motor protection: PTC integrated

#### Fitting dimensions

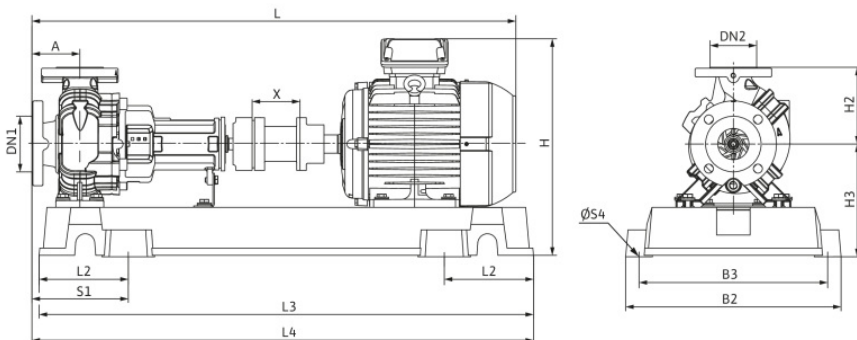
Pipe connection on the suction side: DN 125, PN 16  
Pipe connection (pressure side): DN 100, PN 16  
Port to Port

#### 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.: 972 kg  
Item number: 6086424



#### Dimensions

mm

A	140	H	805	L3	1,640
B2	660	H2	355	L4	1,650
B3	600	H3	403	S1	300
DN1	DN 125,	L	1,775	S4	29
DN2	DN 100,	L2	290	X	140



Contact  
E-mail  
Phone

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# Hydraulic data

Glanded standard pump  
Atmos GIGA-N 100/400-55/4

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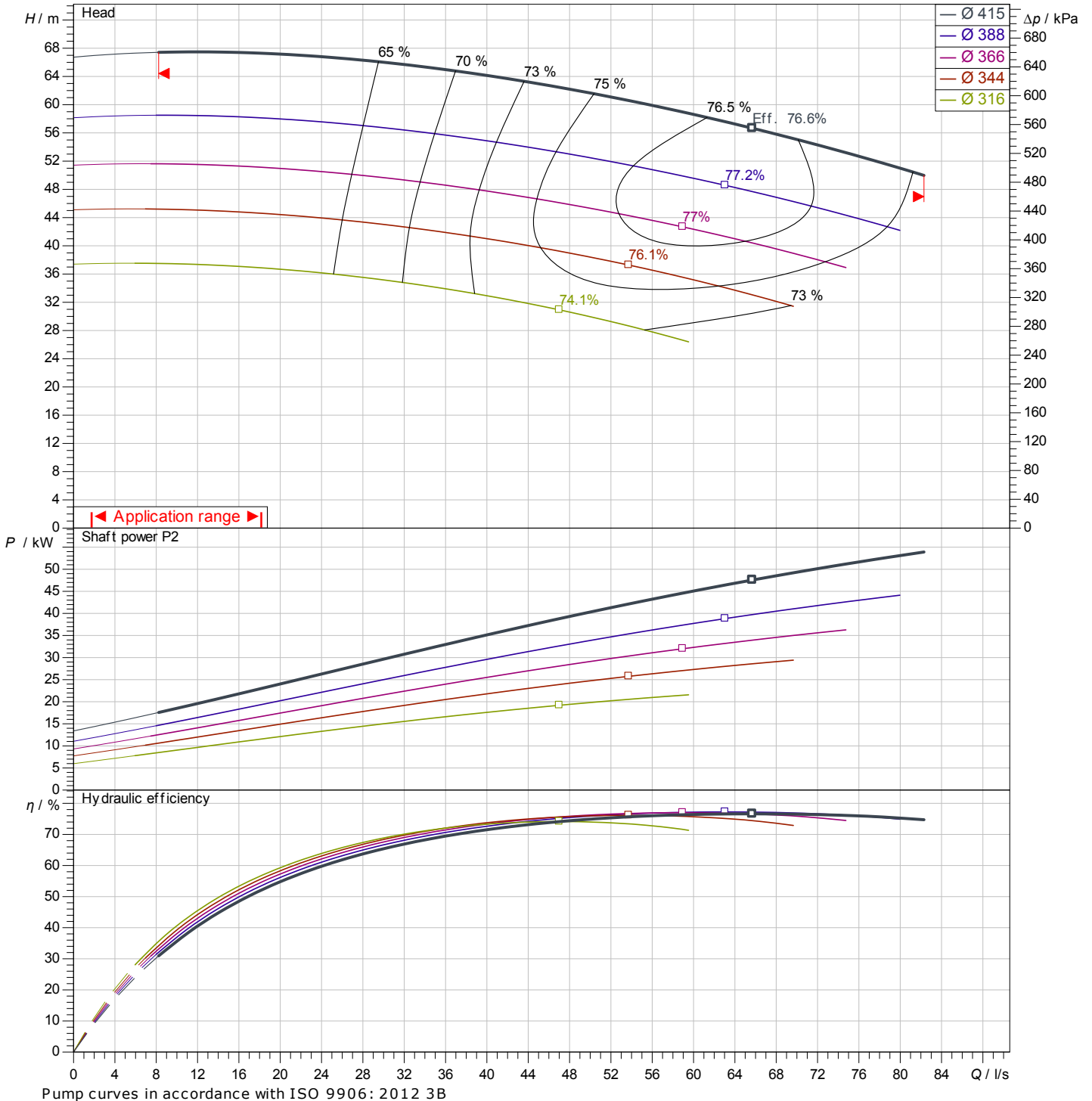
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## Operating data

Rotational speed <b>1485 1/min</b>	Frequency <b>50 Hz</b>	Duty point <b>Q =</b>	<b>H =</b>	Suction port <b>DN 125</b>	Discharge port <b>DN 100</b>
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Power data referred to: Water; 20°C; 998.3kg/m³; 1.005mm²/s ±10 % tolerance with linear U/f frequency control



Pump curves in accordance with ISO 9906: 2012 3B

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## Dimensions

Glanded standard pump  
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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	140	H3	403	X	140		
B2	660	L	1,775				
B3	600	L2	290				
DN1	DN 125, PN 16	L3	1,640				
DN2	DN 100, PN 16	L4	1,650				
H	805	S1	300				
H2	355	S4	29				