

Customer

Technical data

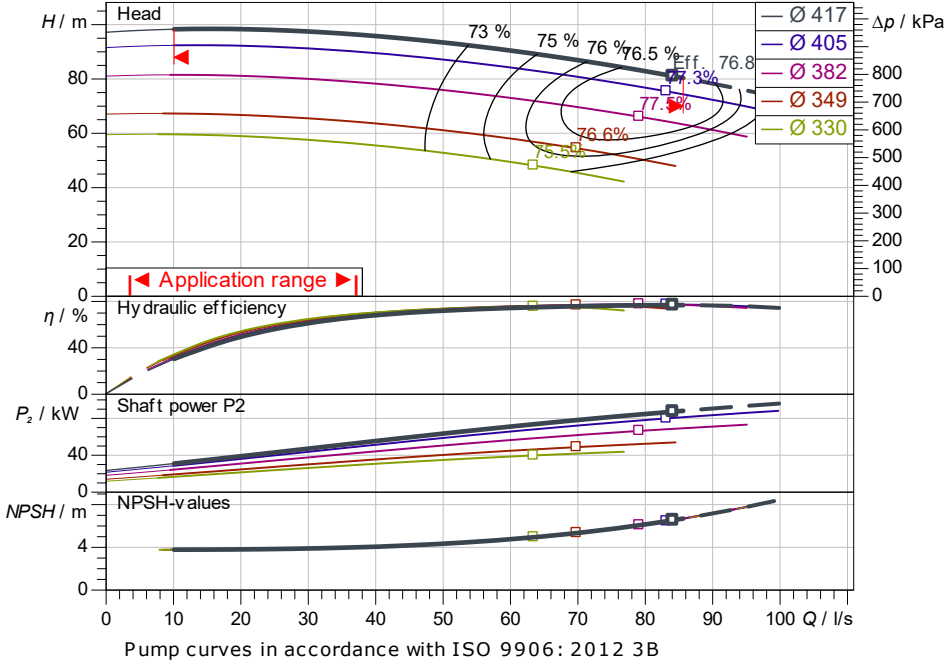
Glanded standard pump Atmos GIGA-N 100/400-90/4/6

Project ID: Untitled project 2025-03-05 00:23:19.113

Project name
Installation location
Customer pos. No.

Date: 2025-03-05

Duty chart



Requested data

Flow
Head
Media: Water 100 %
Fluid temperature: 20.00 °C
Density: 998.30 kg/m³
Kin. viscosity: 1.00 mm²/s

Hydraulic data (Duty point)

Flow
Head
Shaft power P2
Hydraulic efficiency
NPSH
Impeller size: 417

Product data

Glanded standard pump
Atmos GIGA-N 100/400-90/4/6
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~ 380 V / 60 Hz
Permitted voltage tolerance: +10 %
Max. speed: 1,785 1/min
Rated power P2: 90.00 kW
Rated current: 166.70 A
Power factor: 0.86
Efficiency: 50% / 75% / 100% → 93.6/95.4/95.4%
Degree of protection: IP55
Insulation class: F
Motor protection: No

Fitting dimensions

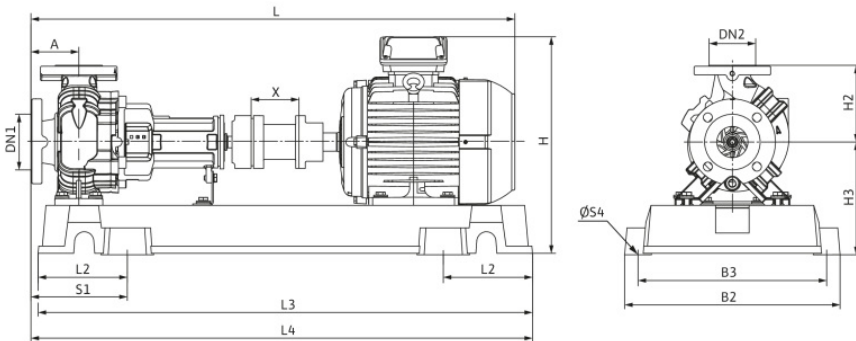
Pipe connection on the suction side: DN 125, PN 16
Pipe connection (pressure side): DN 100, PN 16
Port to Port

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.: 1316 kg
Item number



Dimensions

mm

A	140	H	875	L3	1,840
B2	730	H2	355	L4	1,850
B3	670	H3	403	S1	330
DN1	DN 125,	L	1,881	S4	29
DN2	DN 100,	L2	320	X	140



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Phone

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Hydraulic data

Glanded standard pump
Atmos GIGA-N 100/400-90/4/6

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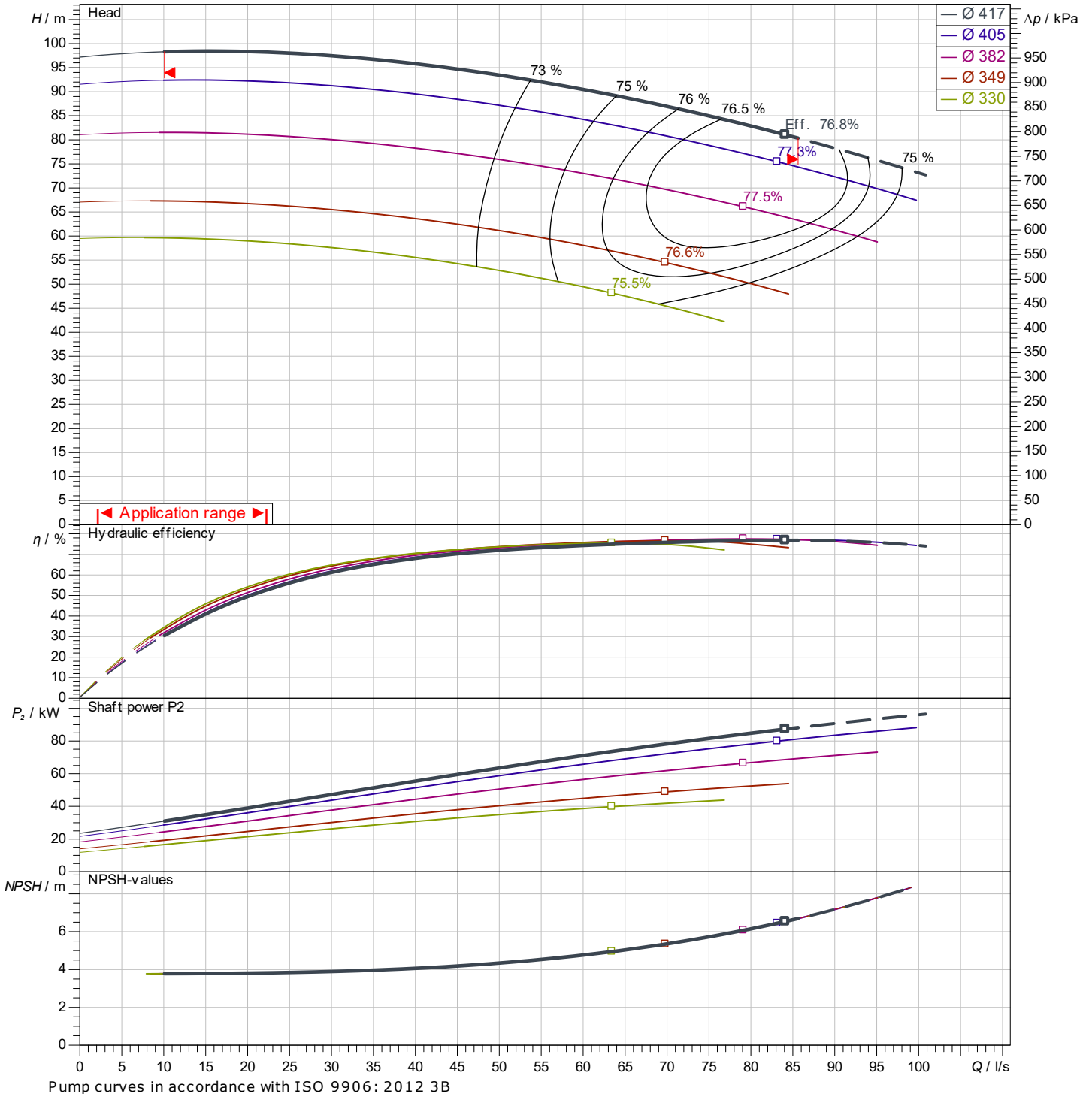
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Operating data

Rotational speed 1750 1/min	Frequency 60 Hz	Duty point Q =	H =	Suction port DN 125	Discharge port DN 100
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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
Atmos GIGA-N 100/400-90/4/6

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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	730	L	1,881				
B3	670	L2	320				
DN1	DN 125, PN 16	L3	1,840				
DN2	DN 100, PN 16	L4	1,850				
H	875	S1	330				
H2	355	S4	29				