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Technical data

Glanded standard pump

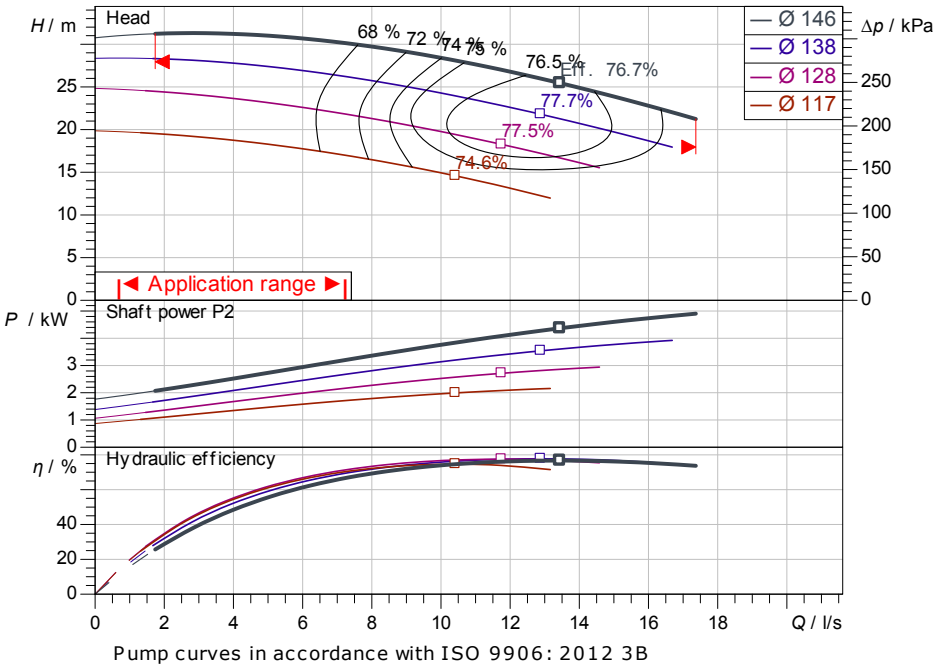
Atmos GIGA-N 40/125-5.5/2

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

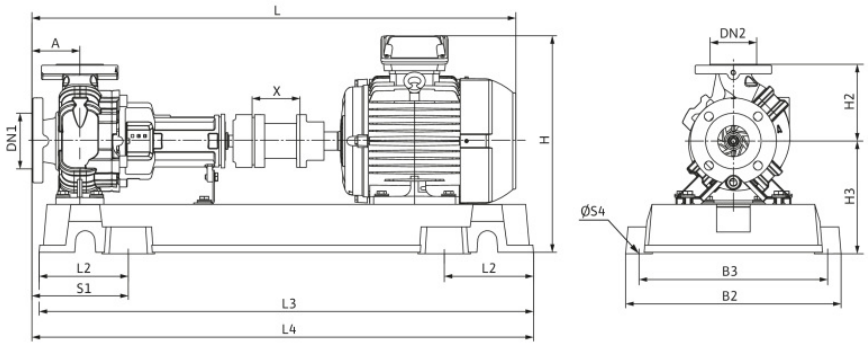
Project name
Installation location
Customer pos. No.

Date 2025-03-03

Duty chart



Pump curves in accordance with ISO 9906: 2012 3B



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	146

Product data

Glanded standard pump	
Atmos GIGA-N 40/125-5.5/2	
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	2,930 1/min
Rated power P2	5.50 kW
Rated current	10.60 A
Power factor	0.78
Efficiency	
50% / 75% / 100%	86.9/88.7/89.4%
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 c
Impeller	EN-GJL-200
Lantern	5.1301/EN-GJL-250
Shaft	1.4021
Shaft seal	AQ1EGG

Information for order placements

Weight approx.	158 kg
Item number	6086313

Dimensions mm

A	80	H	433	L3	930
B2	390	H2	140	L4	935
B3	350	H3	215	S1	170
DN1	DN 65, P	L	992	S4	19
DN2	DN 40, P	L2	165	X	100

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Hydraulic data

Glanded standard pump

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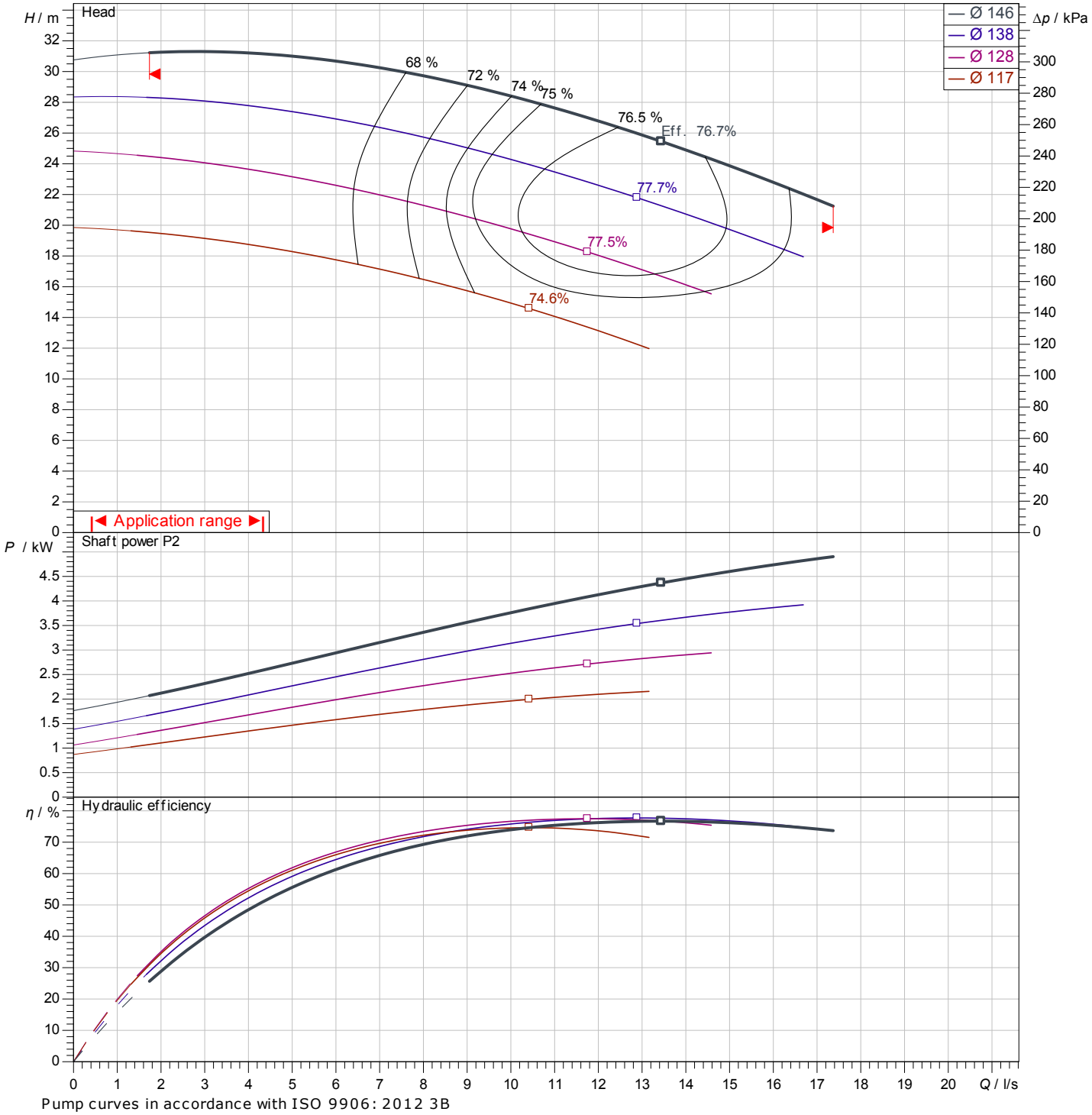
Operating data

Rotational speed	Frequency	Duty point		Suction port	Discharge port
2917 1/min	**50 Hz**	**Q =**	**H =**	**DN 65**	**DN 40**

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 40/125-5.5/2

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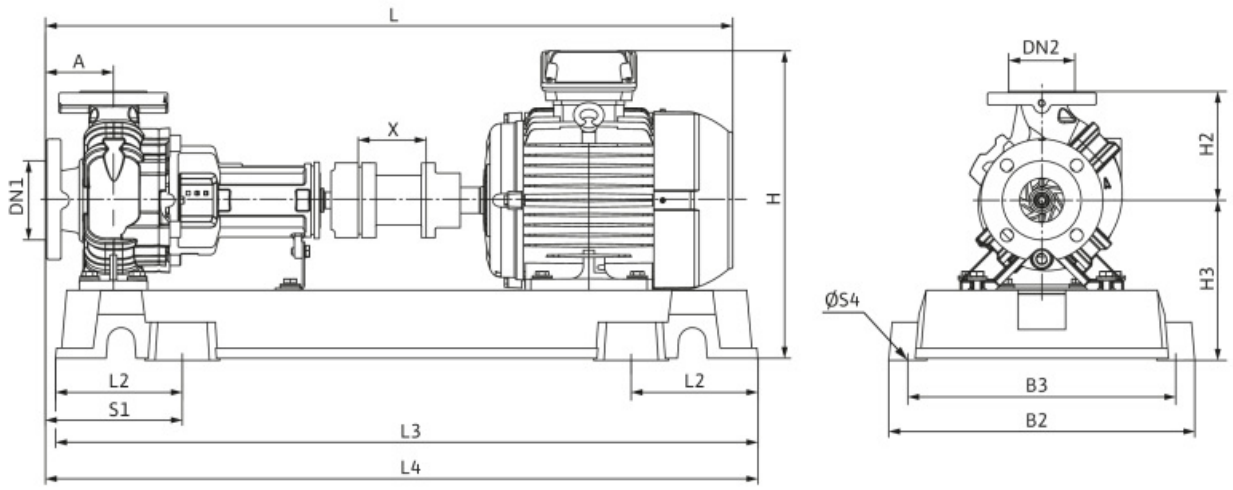

Coupling with spacer

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

Dimensions mm

Name	Value	Name	Value	Name	Value	Name	Value
A	80	H3	215	X	100		
B2	390	L	992				
B3	350	L2	165				
DN1	DN 65, PN 16	L3	930				
DN2	DN 40, PN 16	L4	935				
H	433	S1	170				
H2	140	S4	19				