

Technical data

Glanded standard pump Atmos GIGA-N 40/250-5.5/4/6

Project ID

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

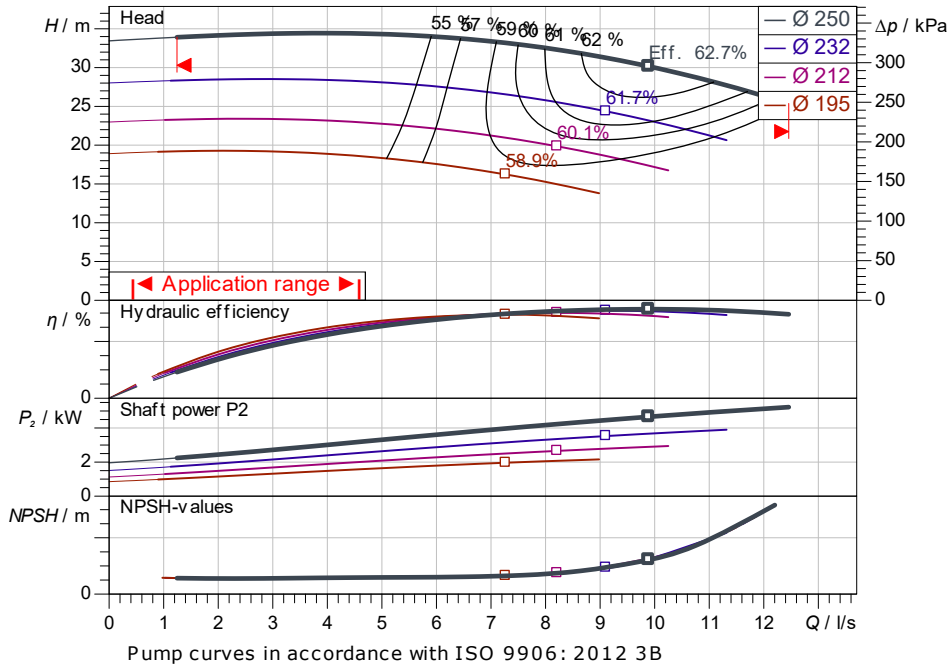
Project name

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	250

Product data

Glanded standard pump	
Atmos GIGA-N 40/250-5.5/4/6	
Max. operating pressure	1,600 kPa
Fluid temperature	-20 °C ... +140 °C
Max. ambient temperature	40 °C
Minimum efficiency index (MEI)	≥ 0.4

Motor data per Motor/Pump

Motor efficiency level	IE3
Mains connection	3~ 380 V / 60 Hz
Permitted voltage tolerance	+/-10 %
Max. speed	1,765 1/min
Rated power P2	5.50 kW
Rated current	11.60 A
Power factor	0.79
Efficiency	
50% / 75% / 100%	89.4/91.5/91.7%
Degree of protection	IP55
Insulation class	F
Motor protection	No

Fitting dimensions

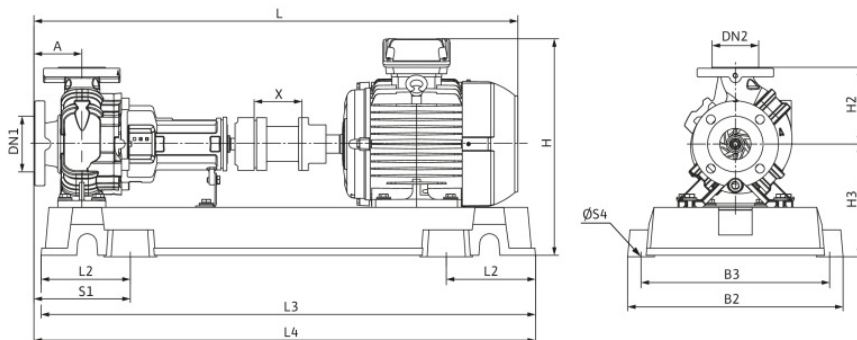
Pipe connection on the suction side	DN 65, PN 16
Pipe connection (pressure side)	DN 40, PN 16
Port to Port	

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.	203 kg
Item number	



Dimensions

mm

A	100	H	501	L3	1,030
B2	450	H2	225	L4	1,040
B3	400	H3	283	S1	195
DN1	DN 65, P	L	1,012	S4	24
DN2	DN 40, P	L2	185	X	100

Hydraulic data

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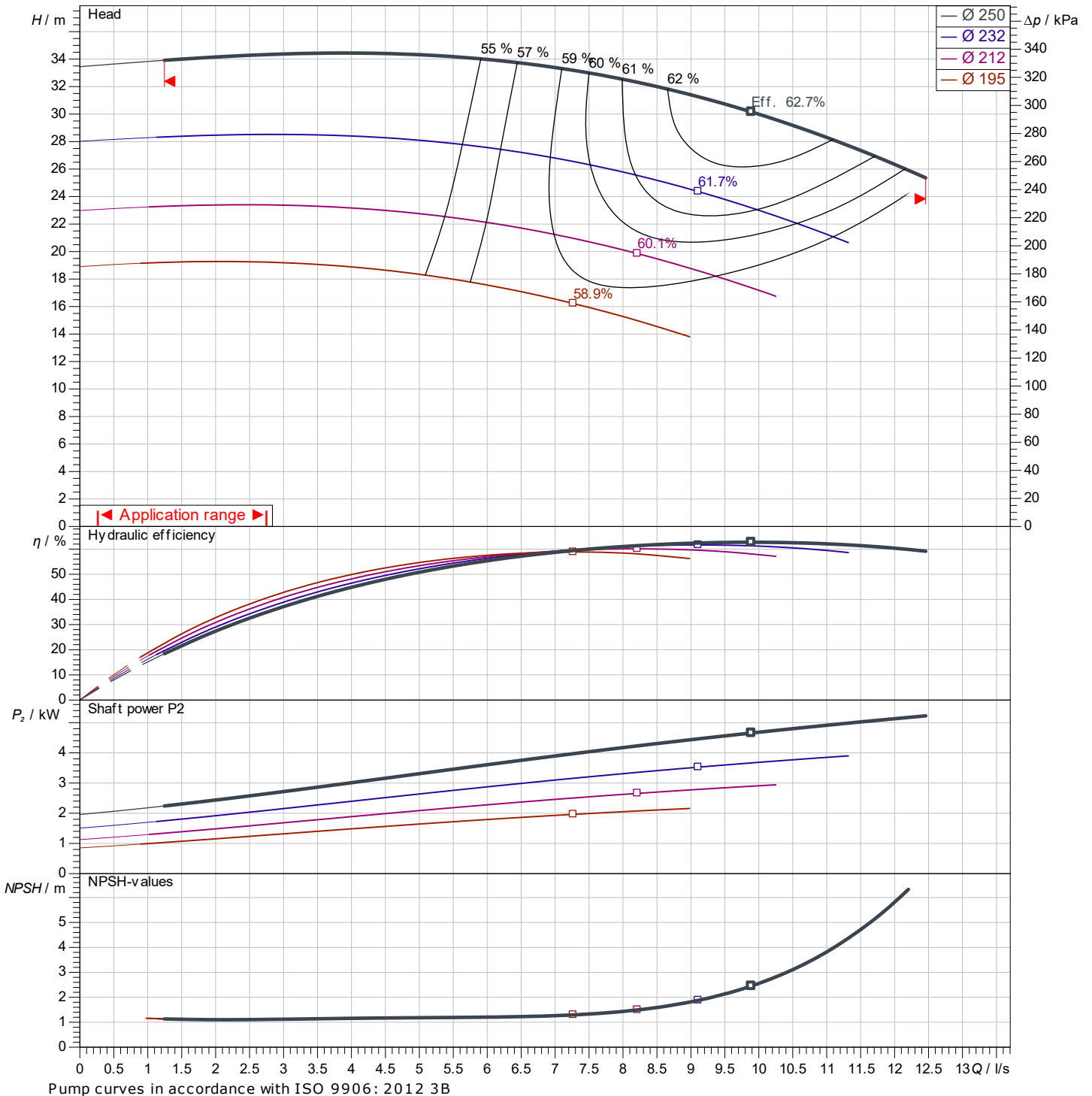
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Operating data

Rotational speed 1750 1/min	Frequency 60 Hz	Duty point Q =	H =	Suction port DN 65	Discharge port DN 40
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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





Contact
E-mail
Phone

Customer

Contact
E-mail
Phone

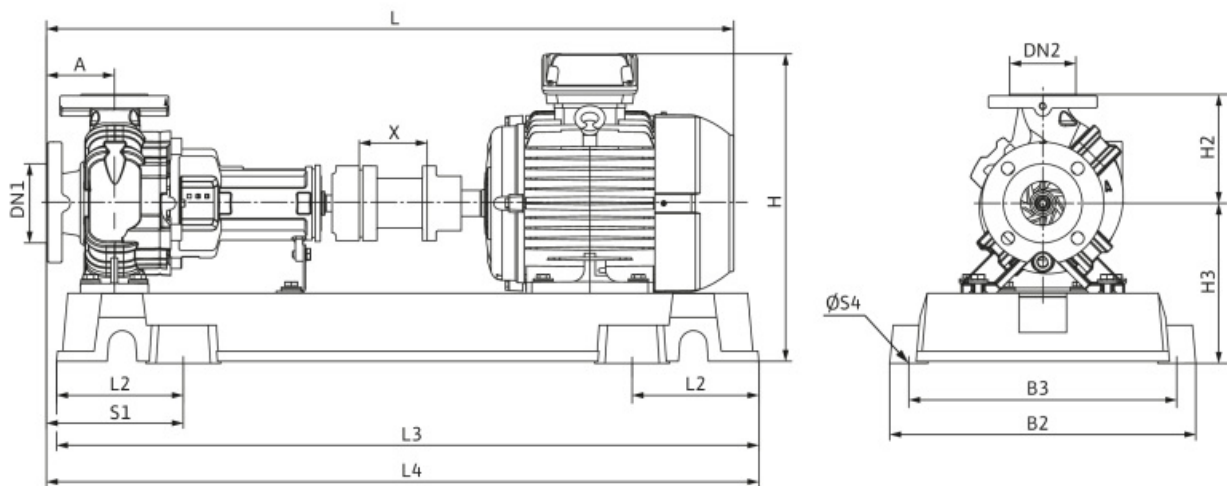
Dimensions

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Atmos GIGA-N 40/250-5.5/4/6

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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	100	H3	283	X	100		
B2	450	L	1,012				
B3	400	L2	185				
DN1	DN 65, PN 16	L3	1,030				
DN2	DN 40, PN 16	L4	1,040				
H	501	S1	195				
H2	225	S4	24				