

Technical data

Glanded standard pump Atmos GIGA-N 80/250-90/2-IE4

Project ID

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

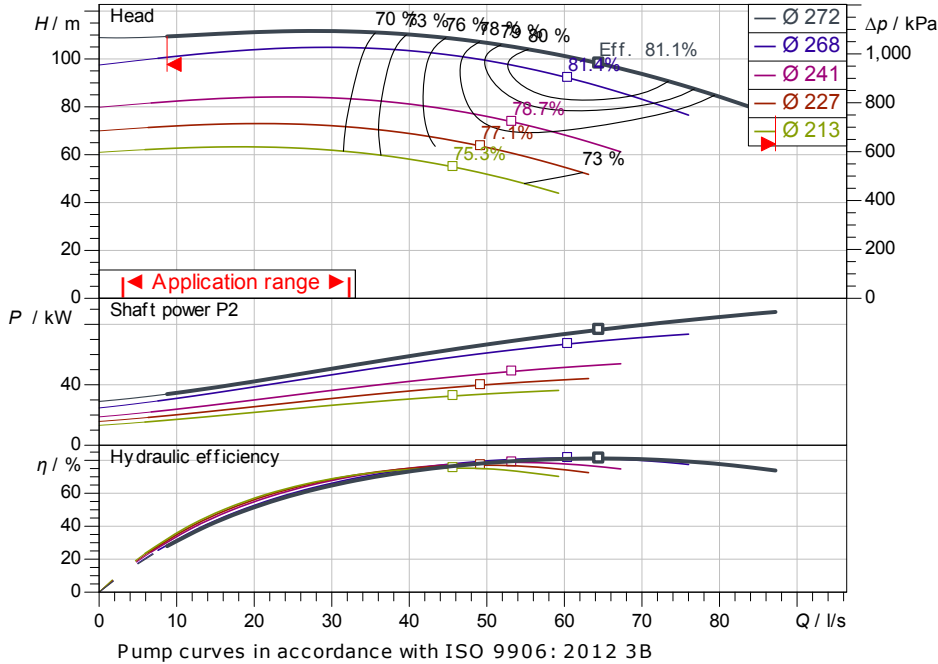
Project name

Installation location

Customer pos. No.

Date 2025-03-03

Duty chart



Requested data

Flow	
Head	
Media	Water 100 %
Fluid temperature	20.00 °C
Density	998.30 kg/m ³
Kin. viscosity	1.00 mm ² /s

Hydraulic data (Duty point)

Flow	
Head	
Shaft power P2	
Hydraulic efficiency	
NPSH	
Impeller size	272

Product data

Glanded standard pump	
Atmos GIGA-N 80/250-90/2-IE4	
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	IE4
Mains connection	3~ 400 V / 50 Hz
Permitted voltage tolerance	+/-10 %
Max. speed	2,980 1/min
Rated power P2	90.00 kW
Rated current	150.00 A
Power factor	0.9
Efficiency	
50% / 75% / 100%	95.5/96.2/96.5%
Degree of protection	IP55
Insulation class	F
Motor protection	PTC integrated

Fitting dimensions

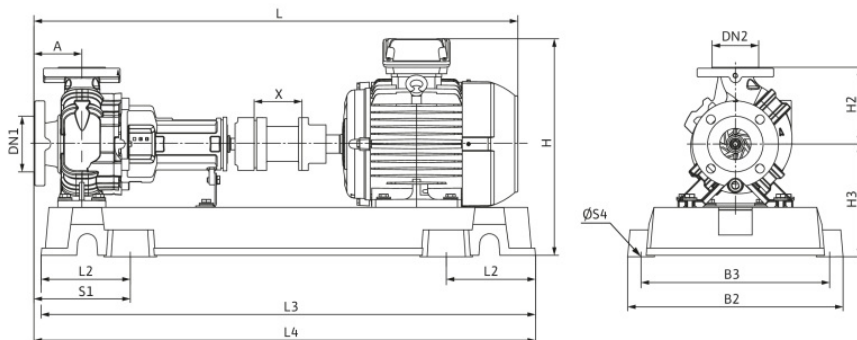
Pipe connection on the suction side	DN 100, PN 16
Pipe connection (pressure side)	DN 80, PN 16
Port to Port	

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.	1333.9 kg
Item number	6096210



Dimensions

mm

A	125	H	875	L3	1,840
B2	730	H2	280	L4	1,855
B3	670	H3	403	S1	335
DN1	DN 100, L		1,806	S4	29
DN2	DN 80, P	L2	320	X	140

Hydraulic data

Glanded standard pump
Atmos GIGA-N 80/250-90/2-IE4

Project ID

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

Project name

Installation location

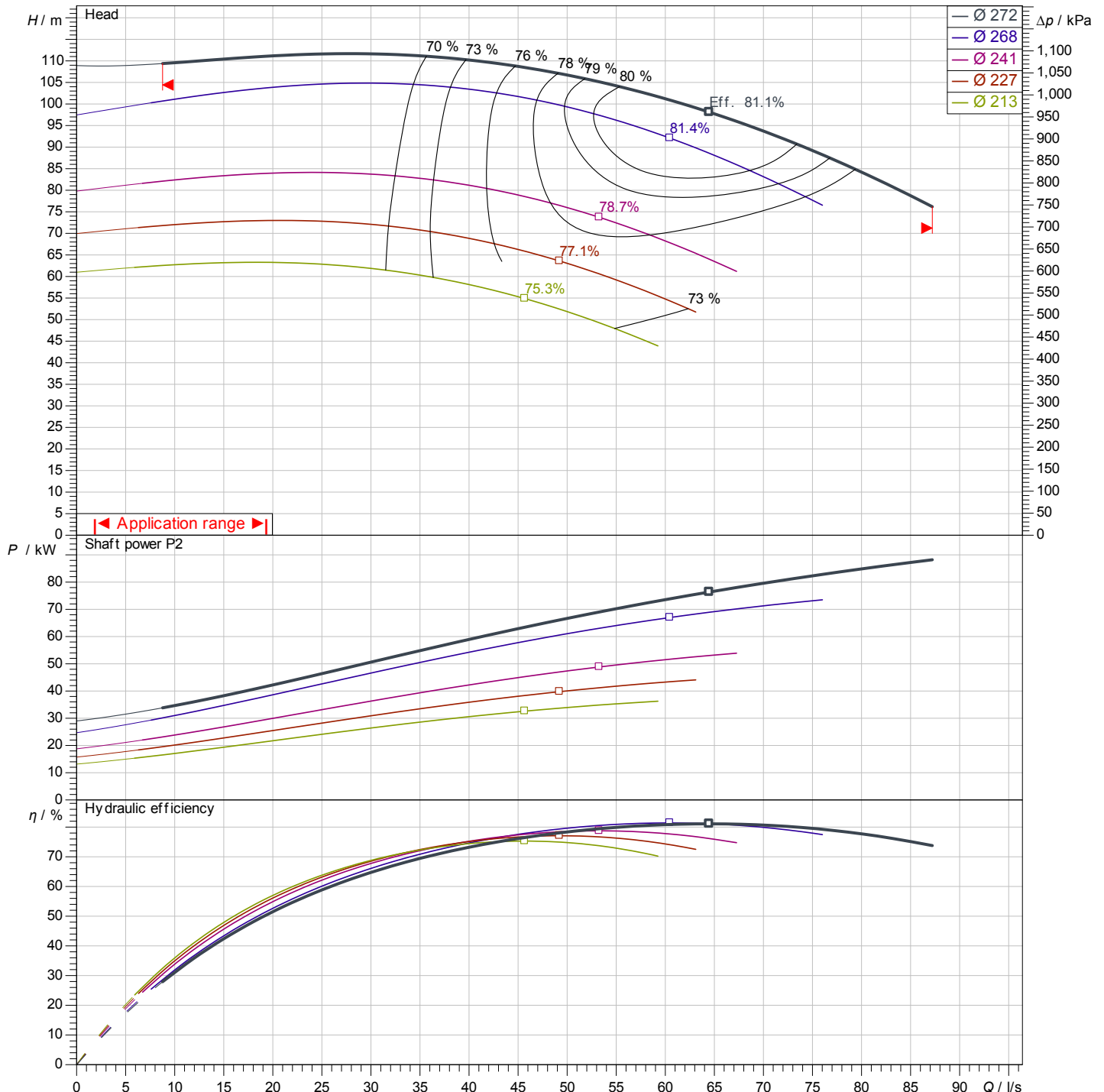
Customer pos. No.

Date 2025-03-03

Operating data

Rotational speed	Frequency	Duty point		Suction port	Discharge port
2975 1/min	50 Hz	Q =	H =	DN 100	DN 80

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

Dimensions

Glanded standard pump
Atmos GIGA-N 80/250-90/2-IE4

Project ID

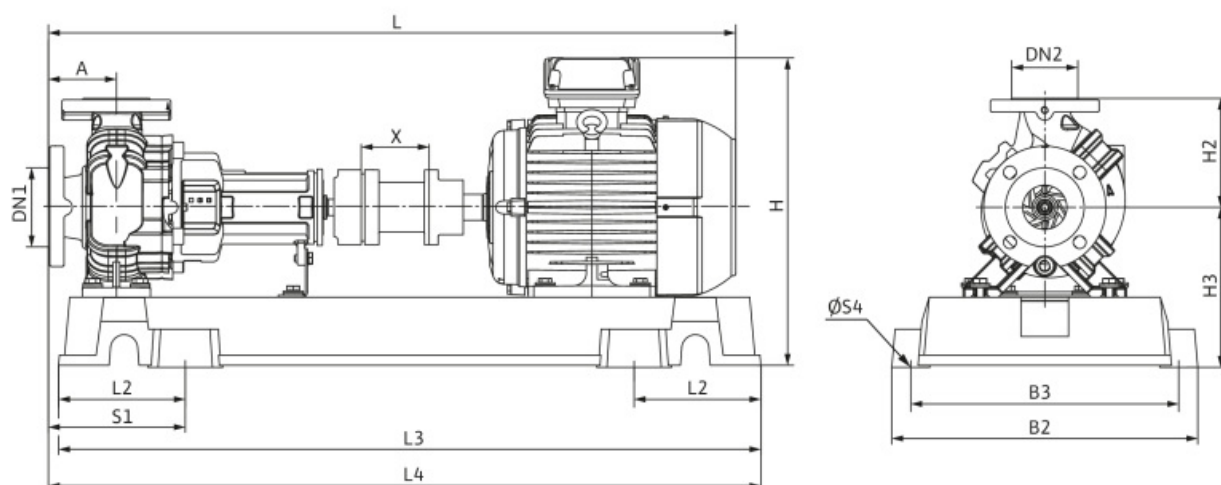
Untitled project 2025-03-03 06:26:03.775

Project name

Installation location

Customer pos. No.

Date 2025-03-03



Coupling with spacer

Suction side DN 100, PN 16

Discharge side DN 80, PN 16

Dimensions mm

Name	Value	Name	Value	Name	Value	Name	Value
A	125	H3	403	X	140		
B2	730	L	1,806				
B3	670	L2	320				
DN1	DN 100, PN 16	L3	1,840				
DN2	DN 80, PN 16	L4	1,855				
H	875	S1	335				
H2	280	S4	29				