

Technical data

Glanded standard pump Atmos GIGA-N 80/250-B-IE4

Project ID

Untitled project 2025-03-01 20:23:09.313

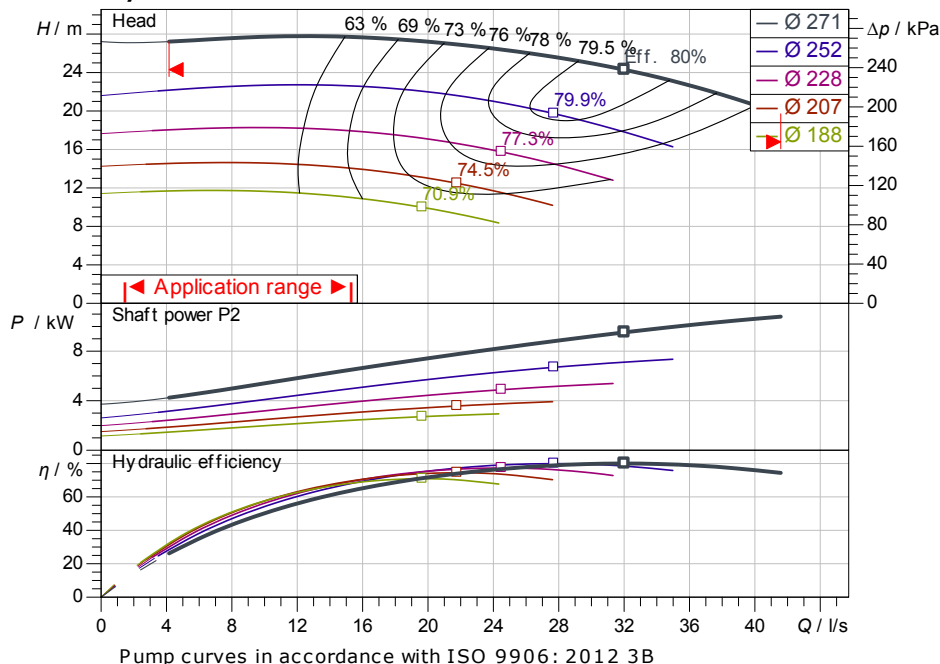
Project name

Installation location

Customer pos. No.

Date 2025-03-01

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	271

Product data

Glanded standard pump	
Atmos GIGA-N 80/250-B-IE4	
Max. operating pressure	1,600 kPa
Fluid temperature	-20 °C ... +140 °C
Max. ambient temperature	40 °C
Minimum efficiency index (MEI)	

Motordata per Motor/Pump

Motor efficiency level	
Mains connection	V / Hz
Permitted voltage tolerance	
Max. speed	
Rated power P2	
Rated current	
Power factor	
Efficiency	50% / 75% / 100%
Degree of protection	//%
Insulation class	
Motor protection	

Fitting dimensions

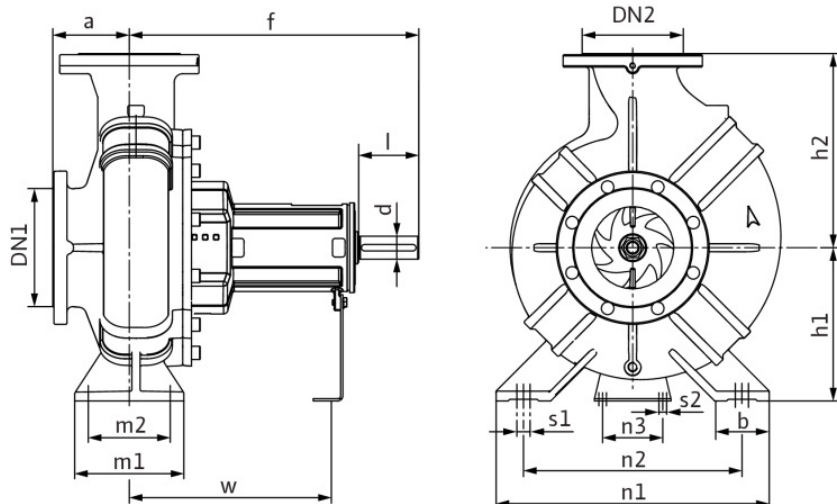
Pipe connection on the suction side	DN 100, PN 16
Pipe connection (pressure side)	DN 80, PN 16
Port to Port	

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.	
Item number	



Dimensions

mm

a	125	DN2	DN 80, P	h2	280	n2	315
b	80	f	470	l	80	n3	110
d	32	h1	200	m1	160	Ø k	180
dL	19	h1	200	m2	120	Ø d	156
DN1	DN 100,	h2	280	n1	400	Ø D	220

Hydraulic data

Glanded standard pump
Atmos GIGA-N 80/250-B-IE4

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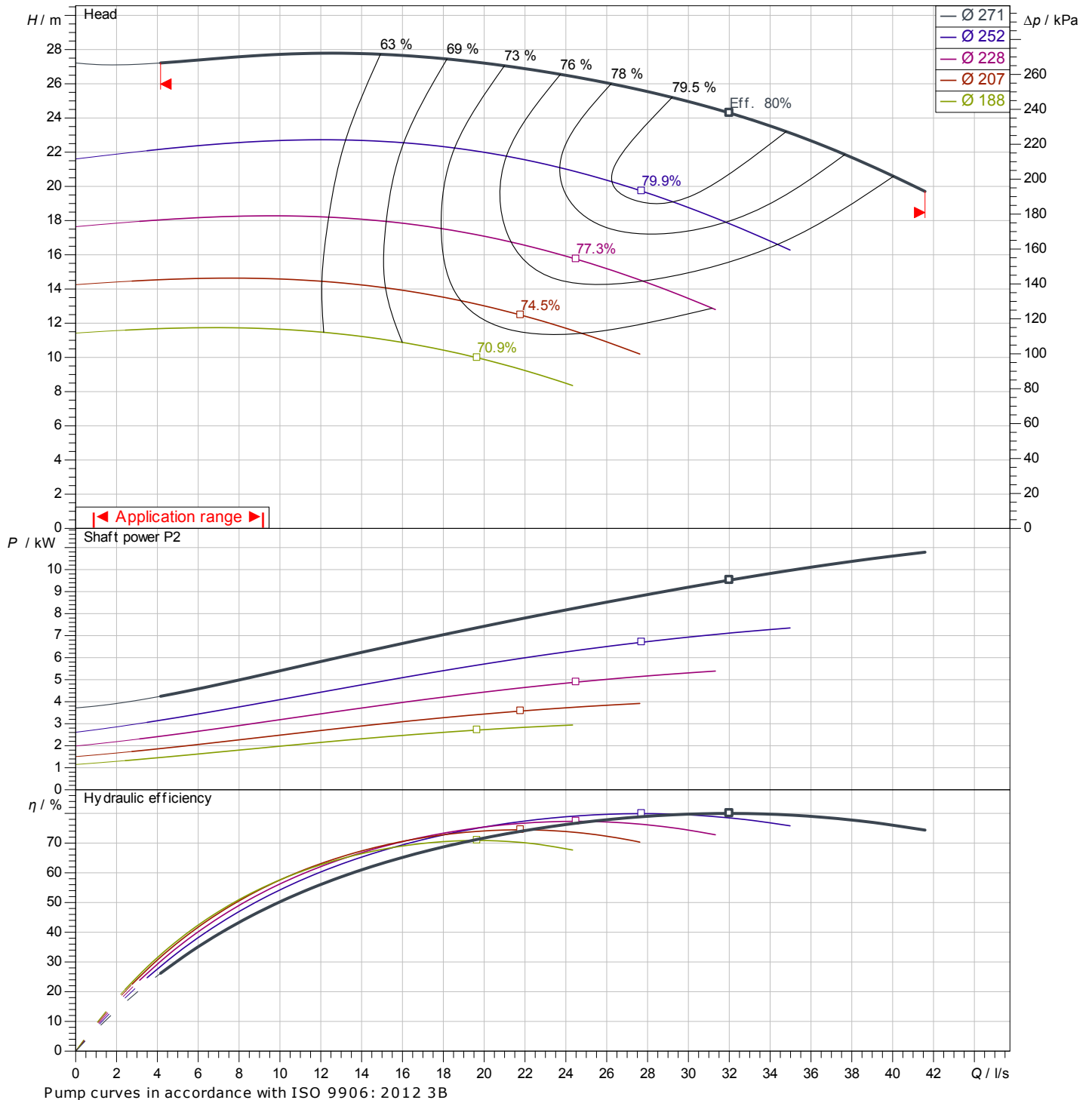
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Operating data

Rotational speed	Frequency	Duty point		Suction port	Discharge port
1467 1/min	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





Contact
E-mail
Phone

Customer

Contact
E-mail
Phone

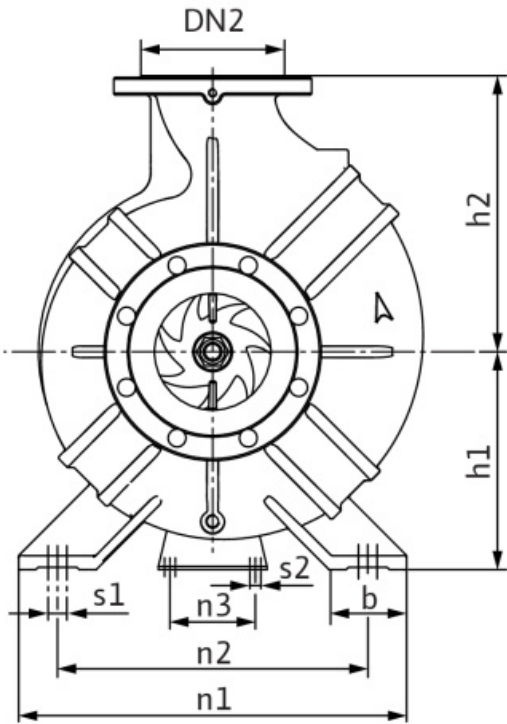
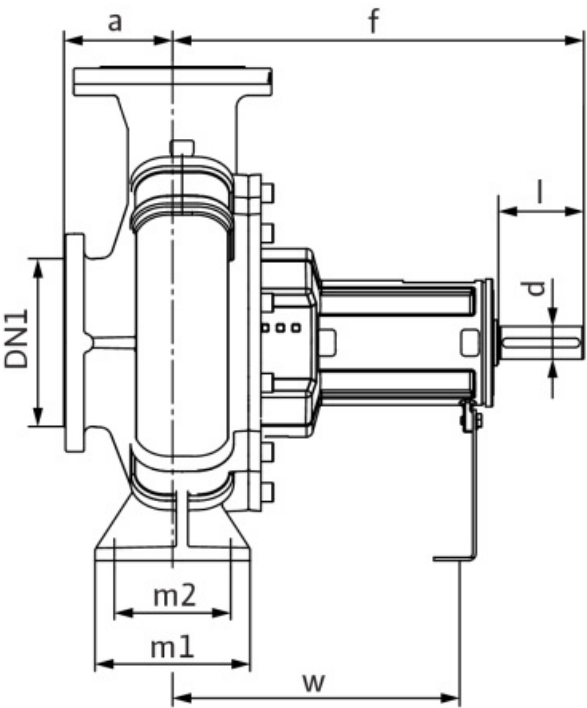
Dimensions

Glanded standard pump
Atmos GIGA-N 80/250-B-IE4

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Bareshaft

Suction side DN 100, PN 16
Discharge side DN 80, PN 16

Dimensions mm

Name	Value	Name	Value	Name	Value	Name	Value
a	125	h1	200	n1	400	s2	12
b	80	h1	200	n2	315	w	340
d	32	h2	280	n3	110	x	140
dL	19	h2	280	Ø k	180		
DN1	DN 100, PN 16	l	80	Ø d	156		
DN2	DN 80, PN 16	m1	160	Ø D	220		
f	470	m2	120	s1	16		