

Technical data

Glanded monobloc pump

Atmos BST 40/125-1.5/2-H12-V1

Project ID

Untitled project 2025-03-01 17:12:44.130

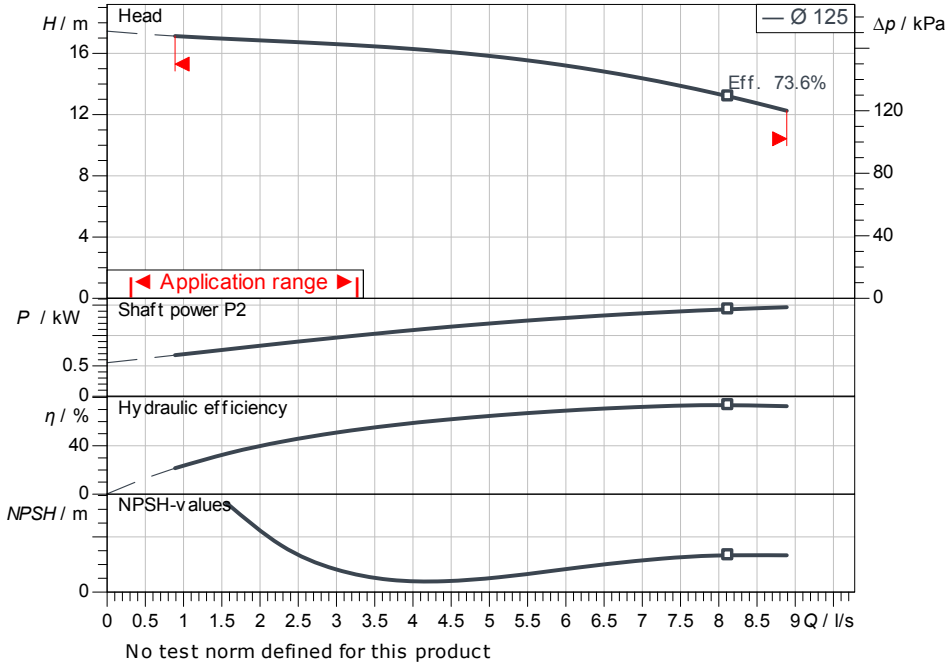
Project name

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/m ³
Kin. viscosity	1.00 mm ² /s

Hydraulic data (Duty point)

Flow	
Head	
Shaft power P2	
Hydraulic efficiency	
NPSH	
Impeller size	125

Product data

Glanded monobloc pump	
Atmos BST 40/125-1.5/2-H12-V1	
Max. operating pressure	1,000 kPa
Fluid temperature	-20 °C ... +120 °C
Max. ambient temperature	50 °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	+6 %
Max. speed	2,900 1/min
Rated power P2	1.50 kW
Rated current	3.10 A
Power factor	0.84
Efficiency	
50% / 75% / 100%	//%
Degree of protection	IP55
Insulation class	F
Motor protection	

Fitting dimensions

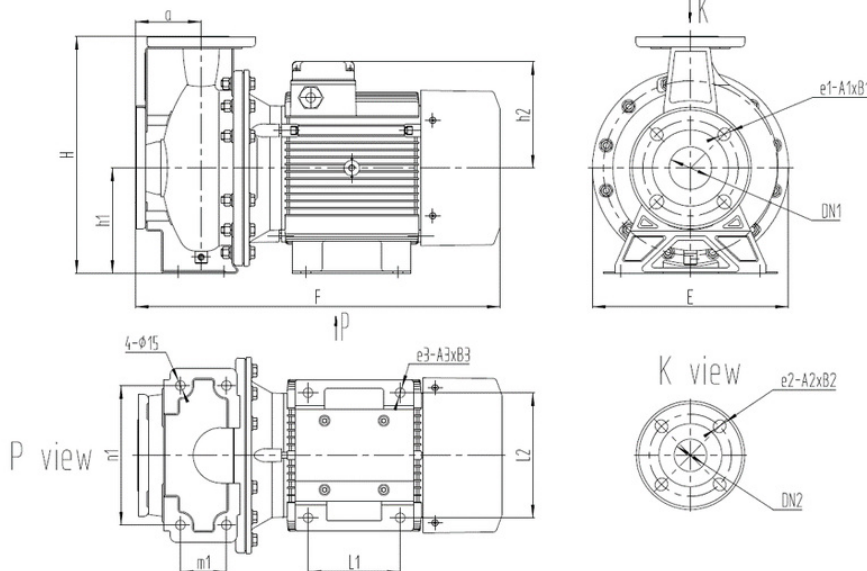
Pipe connection on the suction side	DN 65, PN 16
Pipe connection (pressure side)	DN 40, PN 16
Port to Port	

Materials

Pump housing	1.4401
Impeller	1.4401
Shaft	1.4401
Shaft seal	B3Q1EG

Information for order placements

Weight approx.	
Item number	9187143



Dimensions

mm

A	80	B2	20	E	215	L1	90
A1	18	B3	18	F	390	L2	125
A2	18	dL	18	H	255	M1	70
A3	12	DN1	DN 65, P	H1	112	n1	160
B1	20	DN2	DN 40, P	H2	107	Ø k	145



Contact
E-mail
Phone

Customer

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E-mail
Phone

Hydraulic data

Glanded monobloc pump
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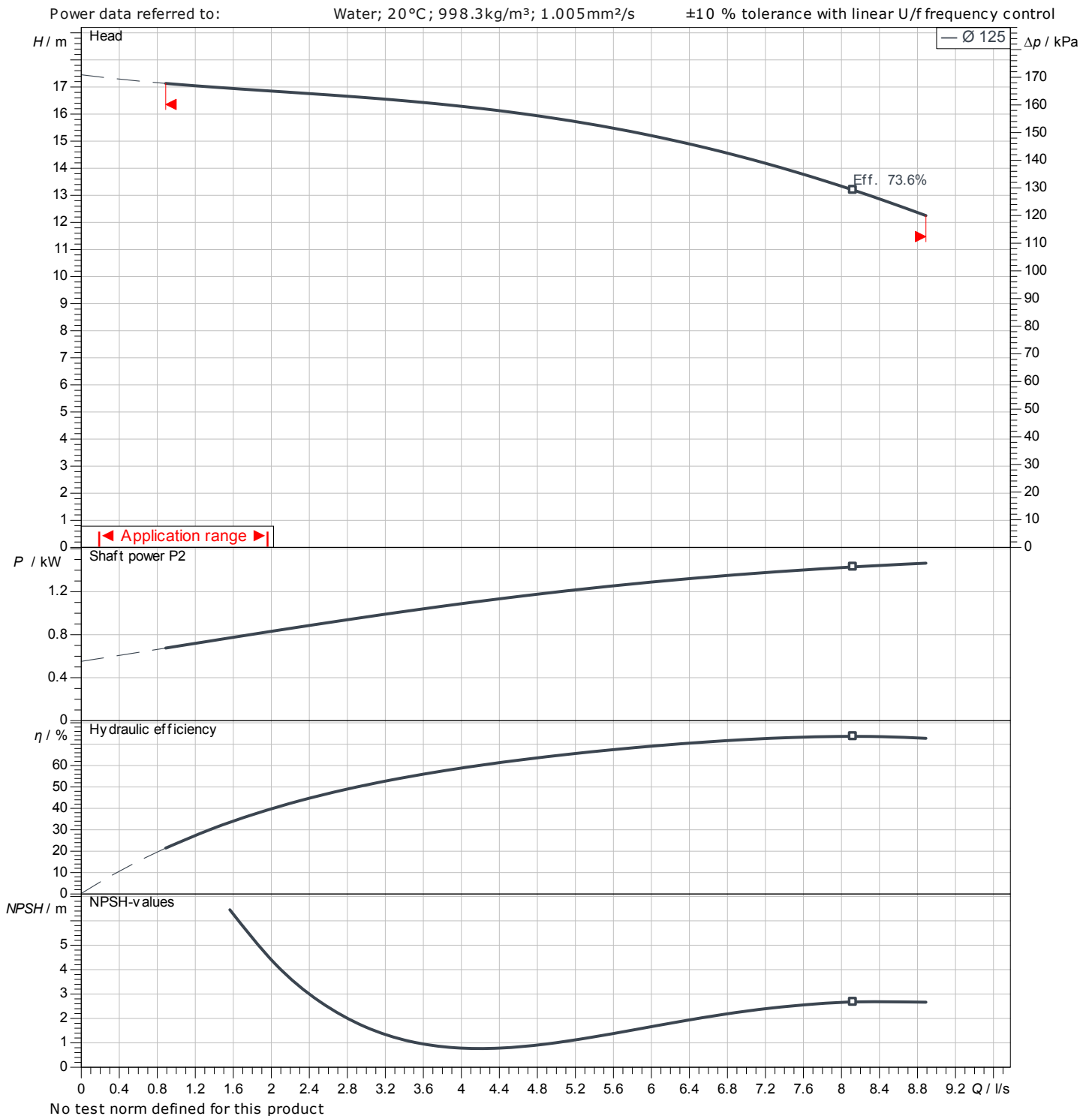
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Operating data

Rotational speed	Frequency	Duty point		Suction port	Discharge port
2814 1/min	50 Hz	Q =	H =	DN 65	DN 40





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E-mail
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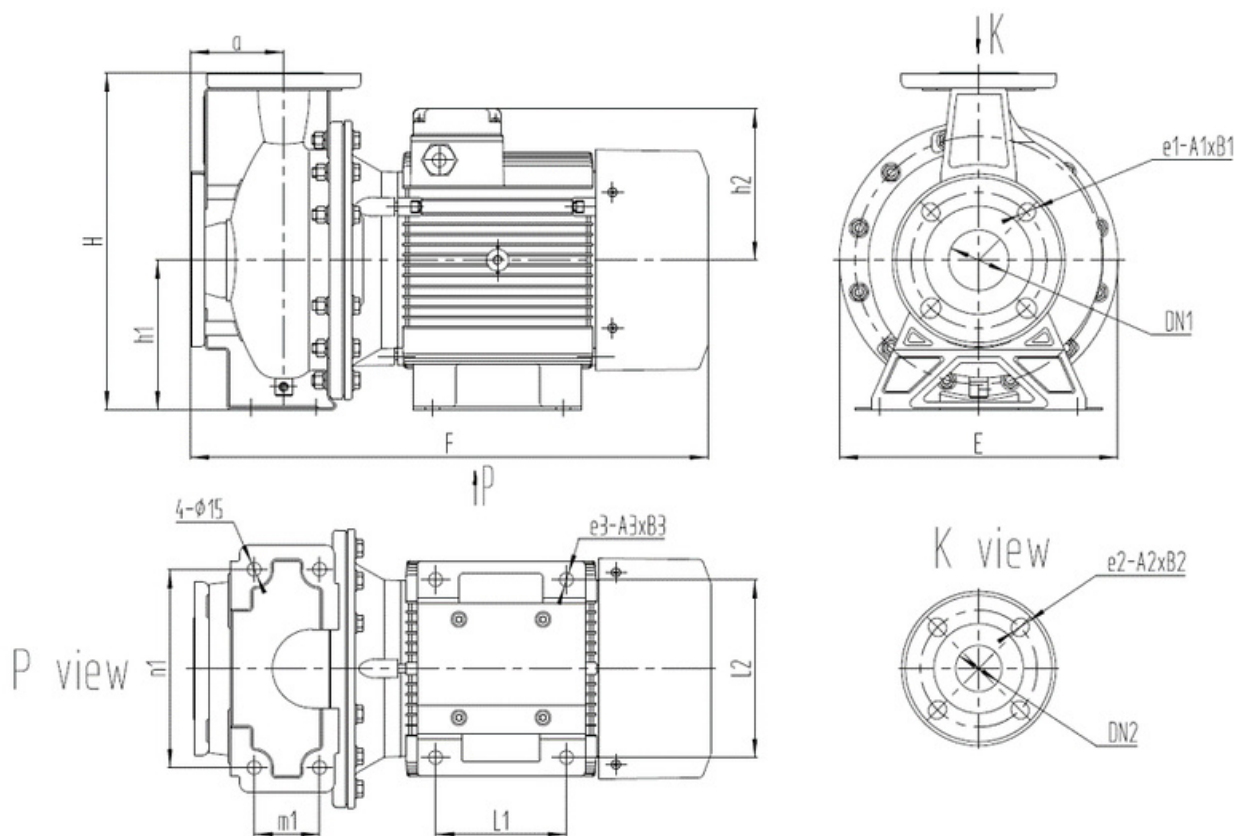
Dimensions

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Atmos BST 40/125-1.5/2-H12-V1

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Standard

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

Dimensions mm

Name	Value	Name	Value	Name	Value	Name	Value
A	80	dL	18	H2	107	Ø D	185
A1	18	DN1	DN 65, PN 16	L1	90		
A2	18	DN2	DN 40, PN 16	L2	125		
A3	12	E	215	M1	70		
B1	20	F	390	n1	160		
B2	20	H	255	Ø k	145		
B3	18	H1	112	Ø d	108		