

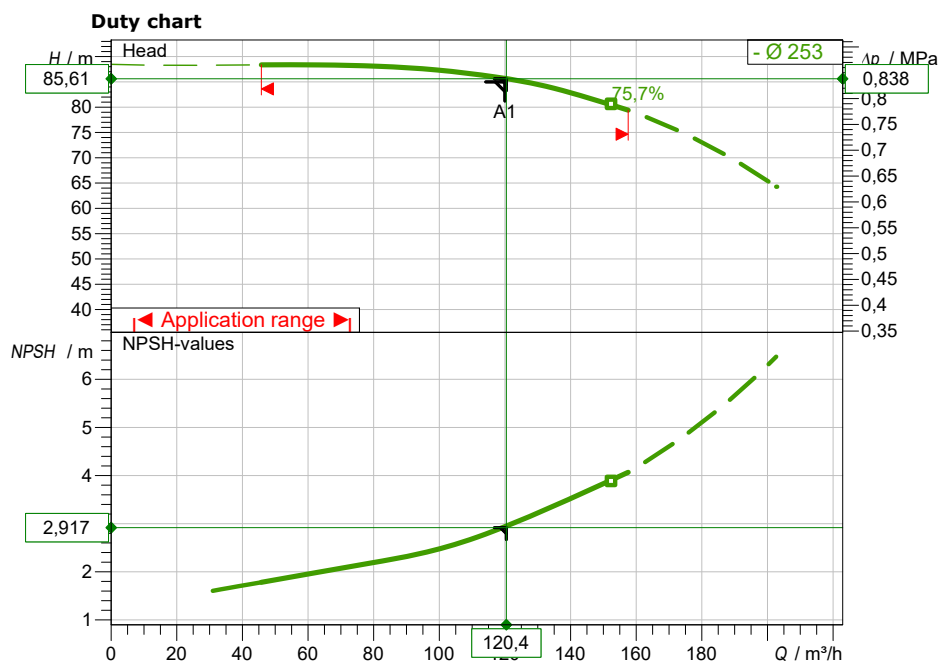
Technical data

Glanded standard pump

NL 80/250-45-2-05

Project name Інвестпрограма 2019_Івано-Франківськтеплокомуненерго
Project ID 19002
Installation location
Customer pos.no

Date 2019-01-11



Requested data

Flow 120,00 m³/h
Head 85,00 m
Media Water 100 %
Fluid temperature 20,00 °C
Density 998,20 kg/m³
Kin. viscosity 1,00 mm²/s

Hydraulic data (Duty point)

Flow 120,43 m³/h
Head 85,61 m
Shaft power P2 38,42 kW
Hydraulic efficiency 73,00 %
NPSH 2,92 m
Impeller size 253

Product data

Glanded standard pump
NL 80/250-45-2-05
Max. operating pressure 1,6 MPa
Fluid temperature -20 °C ... +120 °C
Max. ambient temperature 40 °C
Minimum Efficiency Index (MEI) ≥ 0.40

Motordata per Motor/Pump

Motor efficiency level IE3
Mains connection 3~ 400 V / 50 Hz
Permitted voltage tolerance ±10 %
Max. speed 2965 1/min
Rated power P2 45,00 kW
Rated current 82,10 A
Power factor 0,87
Efficiency 50% / 75% / 100% 93,2/94/94%
Degree of protection IP 55
Insulation class F
Motor protection yes

Fitting dimensions

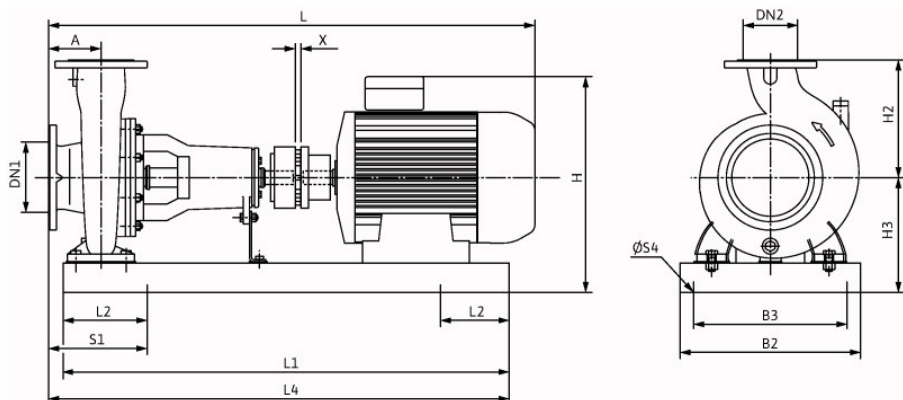
Pipe connection on the suction side DN 100, PN 16
Pipe connection on the pressure side DN 80, PN 16
Port to Port

Materials

Pump housing EN-GJL-250
Impeller EN-GJL-250
Lantern EN-GJL-250
Pump shaft X30Cr13
Mechanical seal AQ1EGG

Information for order placements

Weight approx. 476 kg
Item number 4109279



Dimensions

mm

A	125	H2	280	L4	1305
B2	540	H3	328	ØS4	24
B3	490	L	1333	S1	240
DN1	100	L1	1290	X	3
DN2	80	L2	225		

Hydraulic data

Glanded standard pump

NL 80/250-45-2-05

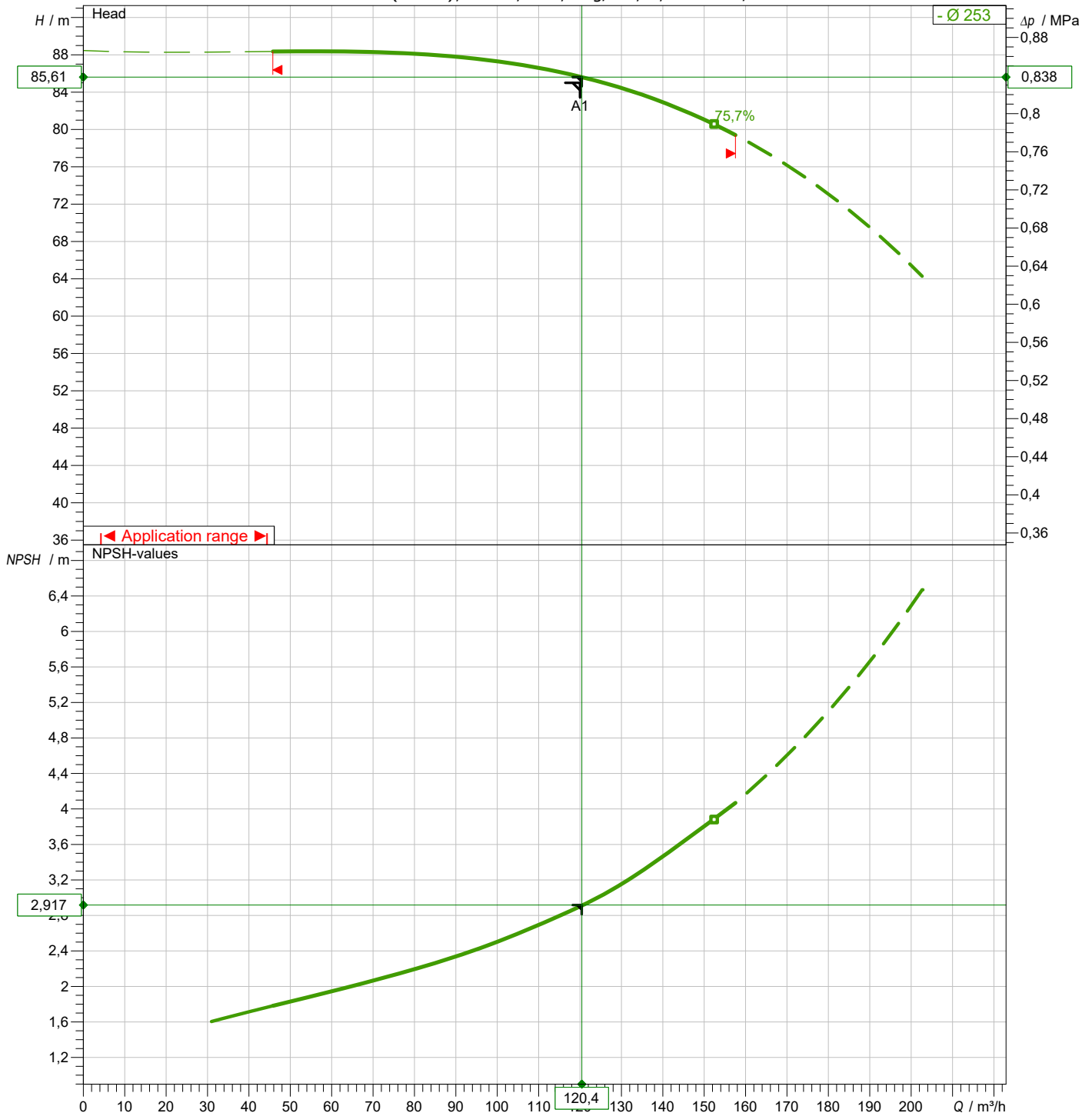
Project name Інвестпрограма 2019_Івано-Франківськтеплокомуненерго
Project ID 19002
Installation location
Customer pos.no

Date 2019-01-11

Operating data

Speed	Frequency	Duty point	Suction port	Discharge port
2900 1/min	50 Hz	Q = 120,00 m³/h H = 85,00 m	DN 100	DN 80

Power data referred to: Water (100%); 20 °C; 998,2 kg/m³; 1,001 mm²/s



Customer

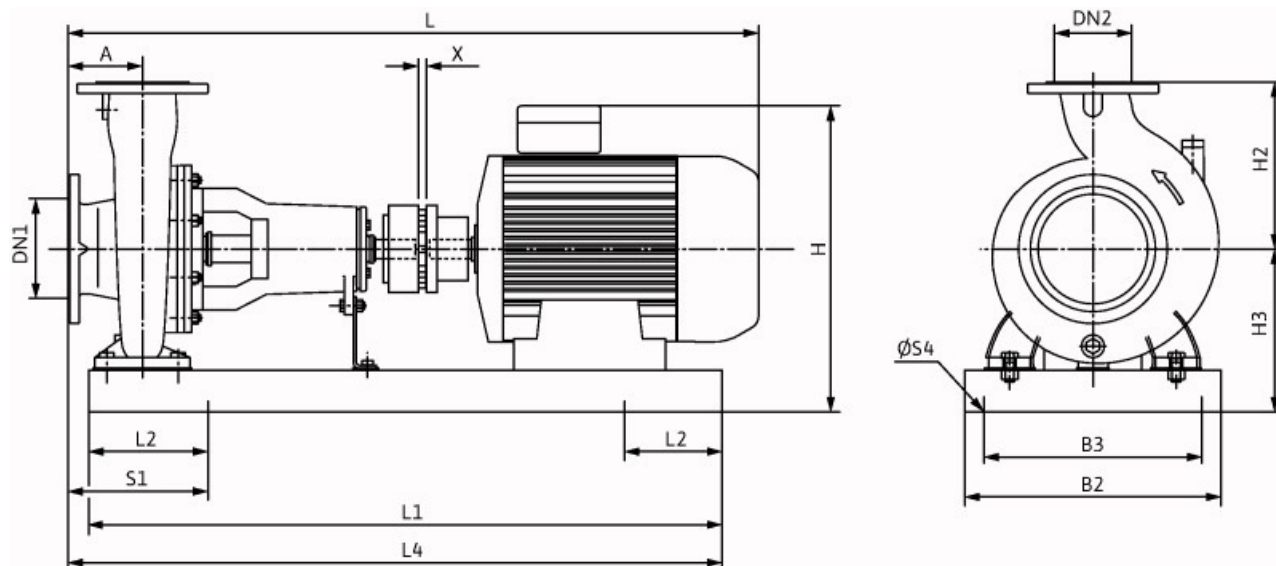
Dimensions

Glanded standard pump

NL 80/250-45-2-05

Project name Інвестпрограма 2019_Івано-Франківськтеплокомуненерго
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05

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

Dimensions mm

Name	Value	Name	Value	Name	Value	Name	Value
A	125	L1	1290				
B2	540	L2	225				
B3	490	L4	1305				
DN1	100	ØS4	24				
DN2	80	S1	240				
H2	280	X	3				
H3	328						

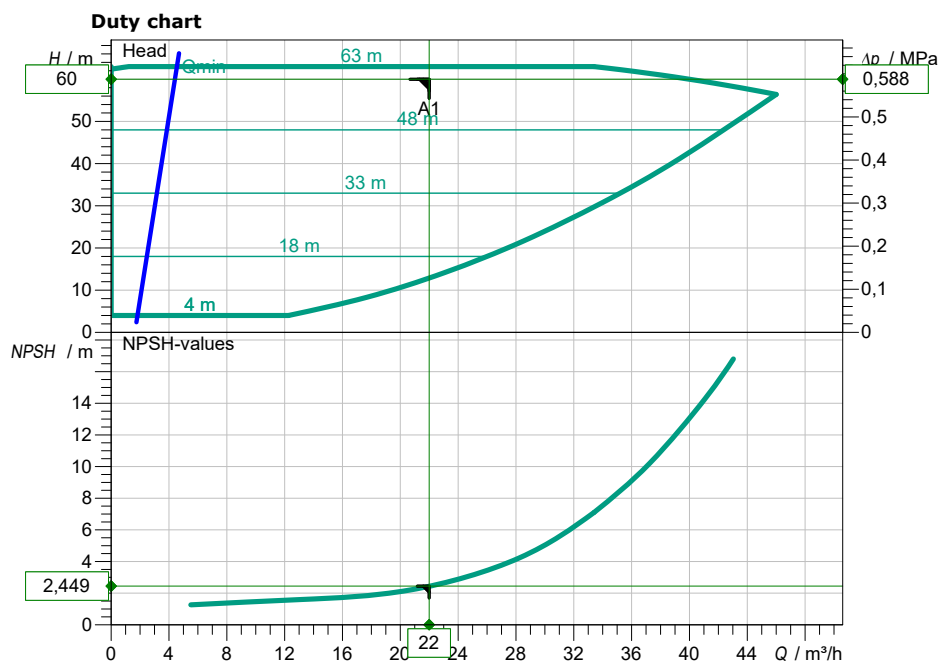
Technical data

Glanded energy-saving single pump

IL-E 40/220-11/2

Project name Інвестпрограма 2019_Івано-Франківськтеплокомуненерго
Project ID 19002
Installation location
Customer pos.no

Date 2019-01-11



Requested data

Flow 22,00 m³/h
Head 60,00 m
Media Water 100 %
Fluid temperature 20,00 °C
Density 998,20 kg/m³
Kin. viscosity 1,00 mm²/s

Hydraulic data (Duty point)

Flow 22,00 m³/h
Head 60,00 m
Power input P1 7,15 kW
NPSH 2,45 m

Product data

Glanded energy-saving single pump
IL-E 40/220-11/2
Kind of operation dp-c
Max. operating pressure 1,6 MPa
Fluid temperature -20 °C ... +140 °C
Max. ambient temperature 40 °C
Minimum Efficiency Index (MEI) ≥ 0.40

Motordata per Motor/Pump

Motor type Standard
Efficiency class IE4
Mains connection 3~ 400 V / 50 Hz
Permitted voltage tolerance ±10%
Max. speed 2900 1/min
Rated power P2 11,00 kW
Power consumption 11,8 kW
Rated current 18,70 A
Degree of protection IP 55
Insulation class F
Motor protection yes

Fitting dimensions

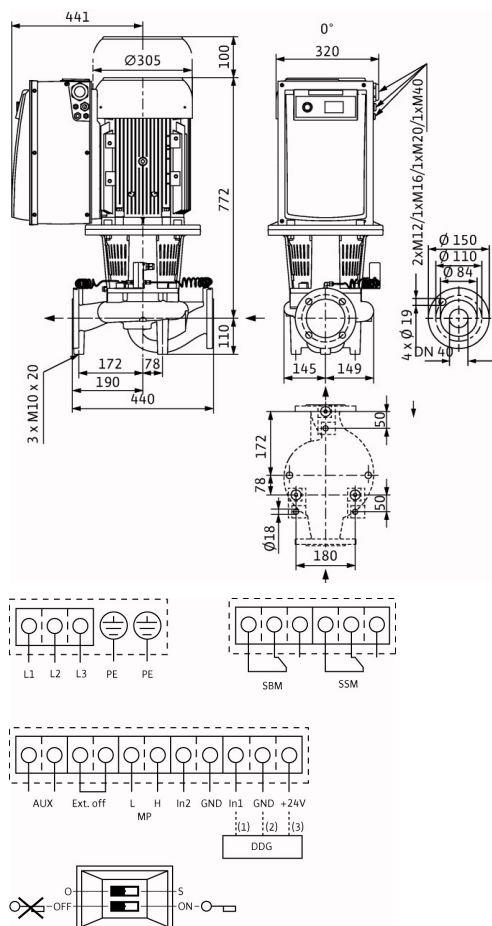
Pipe connection on the suction side DN 40, PN 16
Pipe connection on the pressure side DN 40, PN 16
Port to Port 440 mm

Materials

Pump housing EN-GJL-250
Impeller EN-GJL-200
Lantern EN-GJL-250
Pump shaft 1.4122
Mechanical seal AQEGG

Information for order placements

Weight approx. 197 kg
Item number 2153668

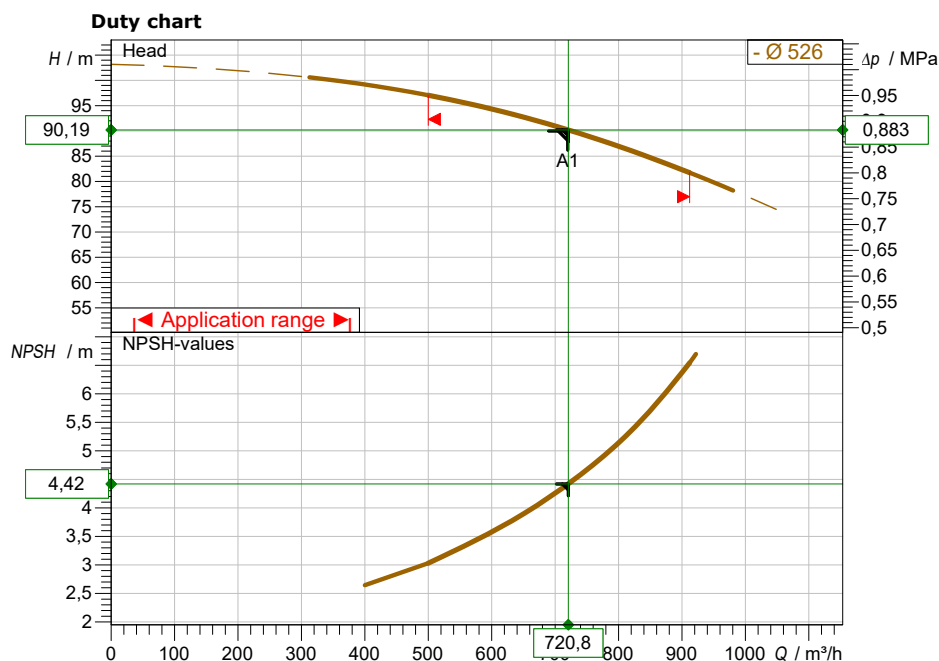


Technical data

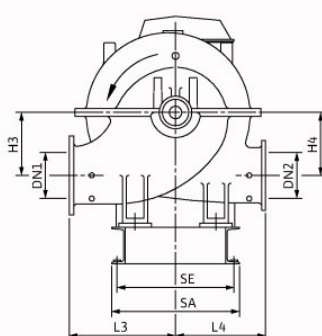
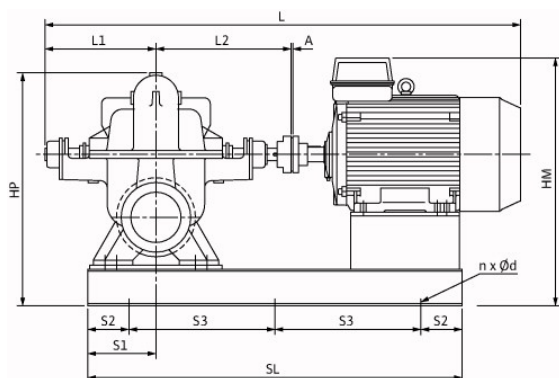
Glanded pump - with axially split housing SCP 200/560 HA-250/4

Project name Інвестпрограма 2019_Івано-Франківськтеплокомуненерго
Project ID 19002
Installation location
Customer pos.no

Date 2019-01-11



Pump curves in accordance with ISO 9906, Appendix A



Requested data

Flow 720,00 m³/h
Head 90,00 m
Media Water 100 %
Fluid temperature 20,00 °C
Density 998,20 kg/m³
Kin. viscosity 1,00 mm²/s

Hydraulic data (Duty point)

Flow 720,78 m³/h
Head 90,19 m
Shaft power P2 205,69 kW
Hydraulic efficiency 85,94 %
NPSH 4,42 m
Impeller size 526

Product data

Glanded pump - with axially split housing
SCP 200/560 HA-250/4
Max. operating pressure 1,6 MPa
Fluid temperature -20 °C ... +120 °C
Max. ambient temperature 40 °C
Minimum Efficiency Index (MEI)

Motordata per Motor/Pump

Motor efficiency level IE3
Mains connection 3~ 400 V / 50 Hz
Permitted voltage tolerance ±10 %
Max. speed 1450 1/min
Rated power P2 250,00 kW
Rated current 428,00 A
Power factor 0,88
Efficiency 95,3/95,7/95,7%
Degree of protection IP 55
Insulation class F
Motor protection integrated

Fitting dimensions

Pipe connection on the suction side DN 250, PN 16
Pipe connection on the pressure side DN 200, PN 16
Port to Port

Materials

Pump housing EN-GJL-250
Impeller G-CuSn10
Stationary wear rings G-CuSn10
Pump shaft X12Cr13
Mechanical seal Carbon/silicon carbide/EF

Information for order placements

Weight approx. 2628 kg
Item number

Dimensions

mm

A	4	L	2826	n x Ø d	6x24	S5	69
H1	546	L1	594	S1	340	SL	2250
H2	397	L2	693	S2	225		
HM	1303	L3	521	S3	12		
HP	1125	L4	458	S4	20		

Hydraulic data

Glanded pump - with axially split housing SCP 200/560 HA-250/4

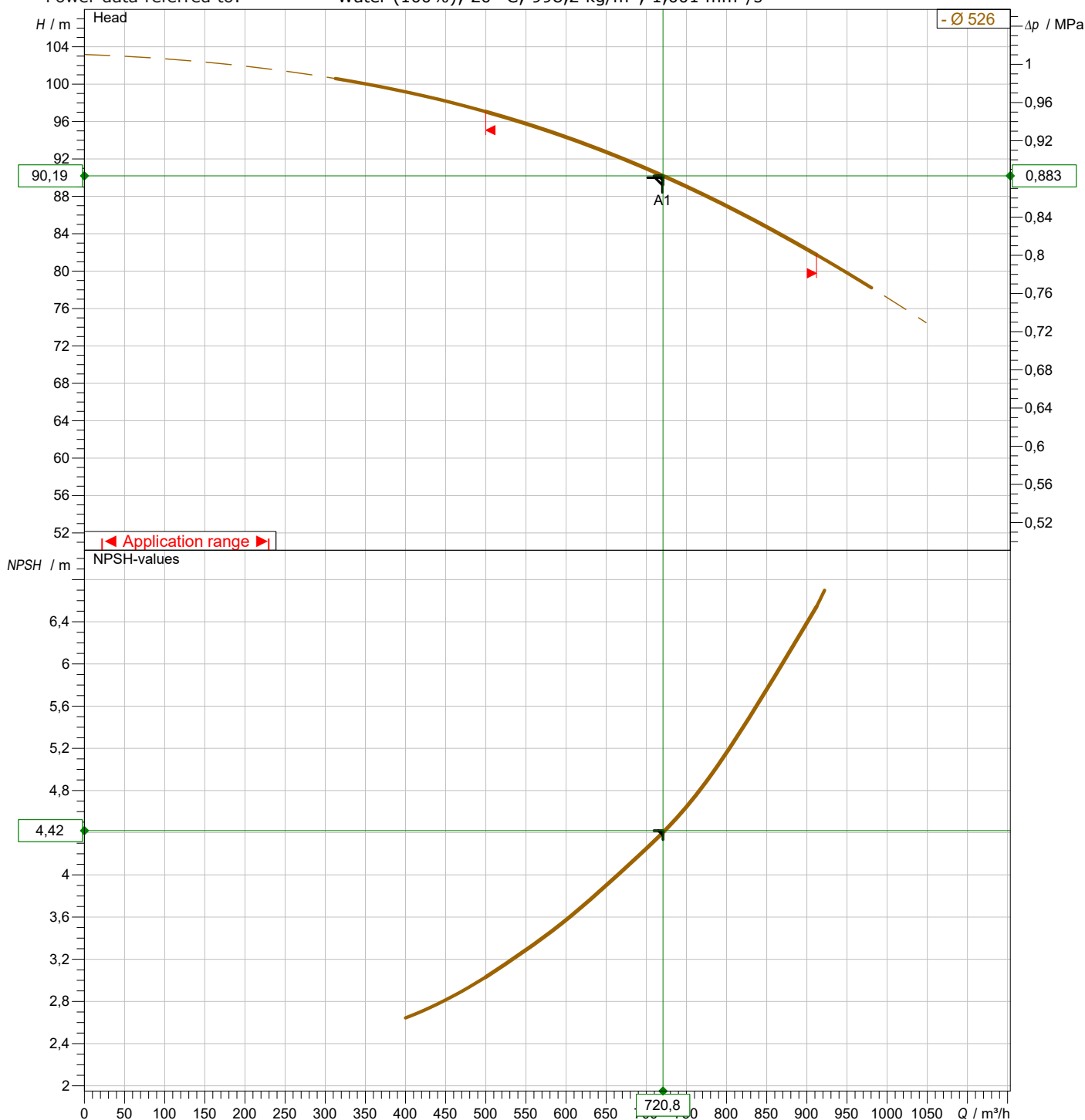
Project name Інвестпрограма 2019_Івано-Франківськтеплокомуненерго
Project ID 19002
Installation location
Customer pos.no

Date 2019-01-11

Operating data

Speed	Frequency	Duty point	Suction port	Discharge port
1480 1/min	50 Hz	Q = 720,00 m ³ /h H = 90,00 m	DN 250	DN 200

Power data referred to: Water (100%); 20 °C; 998,2 kg/m³; 1,001 mm²/s



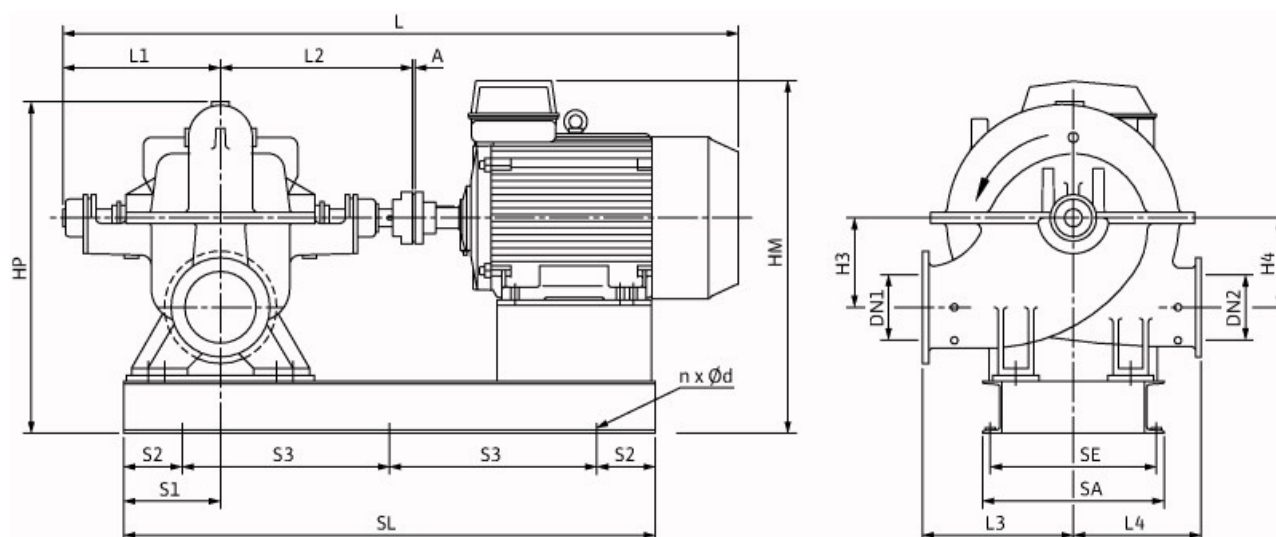
Customer

Dimensions

Glanded pump - with axially split housing SCP 200/560 HA-250/4

Project name Інвестпрограма 2019_Івано-Франківськтеплокомуненерго
Project ID 19002
Installation location
Customer pos.no

Date 2019-01-11



Standard

Suction side DN 250, PN 16
Discharge side DN 200, PN 16

Dimensions mm

Name	Value	Name	Value	Name	Value	Name	Value
A	4	L3	521	SL	2250		
H1	546	L4	458				
H2	397	n x Ø d	6x24				
HM	1303	S1	340				
HP	1125	S2	225				
L	2826	S3	12				
L1	594	S4	20				

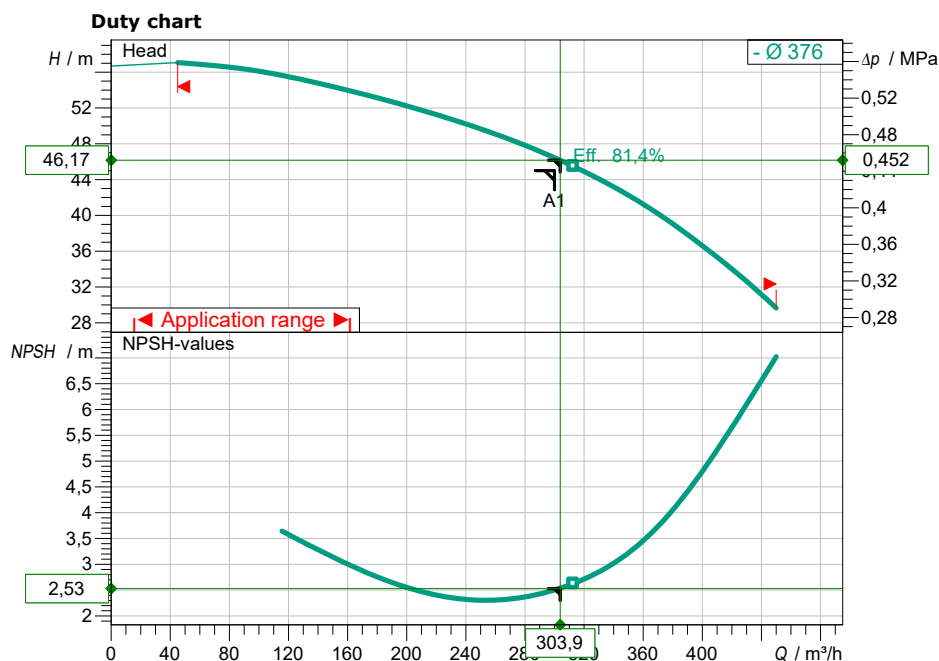
Technical data

Glanded monobloc pump

BL 125/380-55/4

Project name Інвестпрограма 2019_Івано-Франківськтеплокомуненерго
Project ID 19002
Installation location
Customer pos.no

Date 2019-01-11



Requested data

Flow 300,00 m³/h
Head 45,00 m
Media Water 100 %
Fluid temperature 20,00 °C
Density 998,20 kg/m³
Kin. viscosity 1,00 mm²/s

Hydraulic data (Duty point)

Flow 303,87 m³/h
Head 46,17 m
Shaft power P2 47,00 kW
Hydraulic efficiency 81,35 %
NPSH 2,53 m

Product data

Glanded monobloc pump
BL 125/380-55/4
Max. operating pressure 1,6 MPa
Fluid temperature -20 °C ... +140 °C
Max. ambient temperature 40 °C
Minimum Efficiency Index (MEI) ≥ 0.40

Motordata per Motor/Pump

Motor efficiency level IE3
Mains connection 3~ 400 V / 50 Hz
Permitted voltage tolerance ± 10 %
Rated speed 1450 1/min
Rated power P2 55,00 kW
Rated current 97,50 A
Power factor 0,86
Efficiency 50% / 75% / 100% 92/ 93,6/94,6%
Degree of protection IP 55
Insulation class F
Motor protection no

Fitting dimensions

Pipe connection on the suction side DN 150, PN 16
Pipe connection on the pressure side DN 125, PN 16
Port to Port

Materials

Pump housing EN-GJL-250
Impeller EN-GJL-200
Lantern EN-GJL-250
Pump shaft 1.4122
Mechanical seal AQEGG

Information for order placements

Weight approx. 790 kg
Item number 2160685

