

Technical data

Multi-pump system

SiBoost Smart FC 4 Helix V 3605

Project ID

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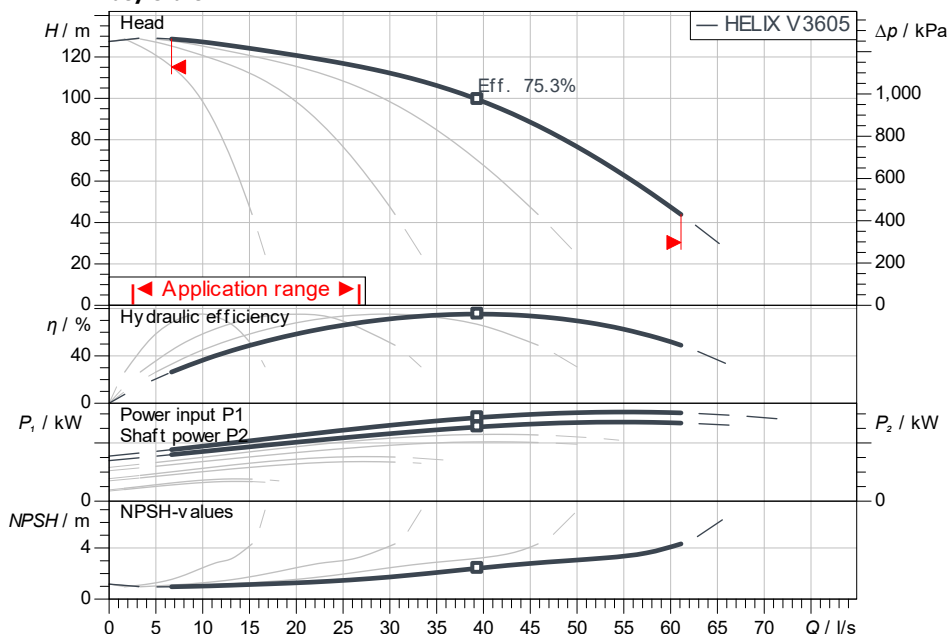
Project name

Installation location

Customer pos. No.

Date 2025-03-04

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 P_2	

Product data

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No. of pumps	4
Max. operating pressure	1,600 kPa
Inlet pressure max.	1,000
Fluid temperature	3 °C ... +50 °C
Max. ambient temperature	40 °C
Protection class system	IP55
Protection class of switchgear	IP54
Diaphragm pressure vessel	Yes
Low-water cut-out switchgear	No

Motordata per Motor/Pump

Motor efficiency level	IE3
Mains connection	3~ 400 V / 50 Hz
Permitted voltage tolerance	+/-10 %
Rated speed	2,900 1/min
Rated power P_2	15.00 kW
Rated current	26.70 A
Power factor	0.88
Efficiency	50% / 75% / 100%
Degree of protection	IP55
Insulation class	F
Motor protection	Yes

Fitting dimensions

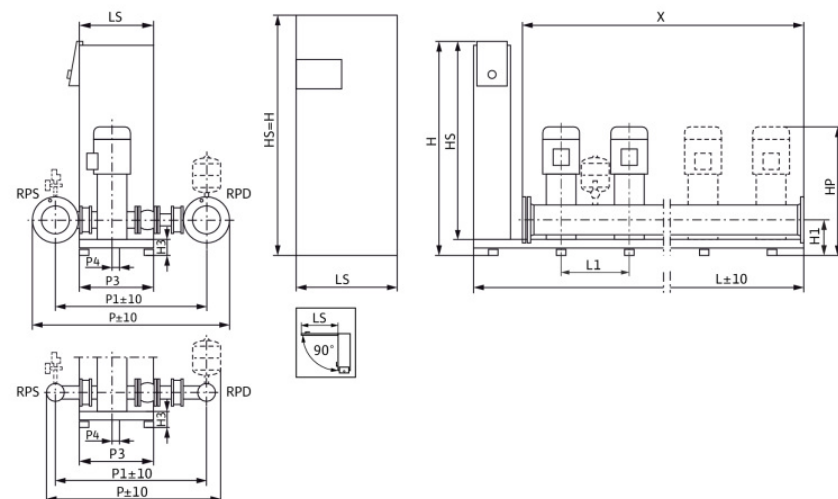
Pipe connection on the suction side DN 150, PN 10
Pipe connection (pressure side) DN 150, PN 16

Materials

Pump housing	5.1301/EN-GJL-250
Impeller	1.4307
Shaft	1.4057
Shaft seal	Q1BE3GG
Gasket material	EPDM
Pipework material	1.4307

Information for order placements

Weight approx.	1217 kg
Item number	2540816



Dimensions

mm

DNd	DN 150,	H3	125	LS	1,000	X	2,000
DNs	DN 150,	HP	1,466	P	1,370		
H	1,900	HS	1,900	P1	1,085		
H1	230	L	2,080	P3	500		
H2	394.2	L1	500	P4	0		

Dimensions

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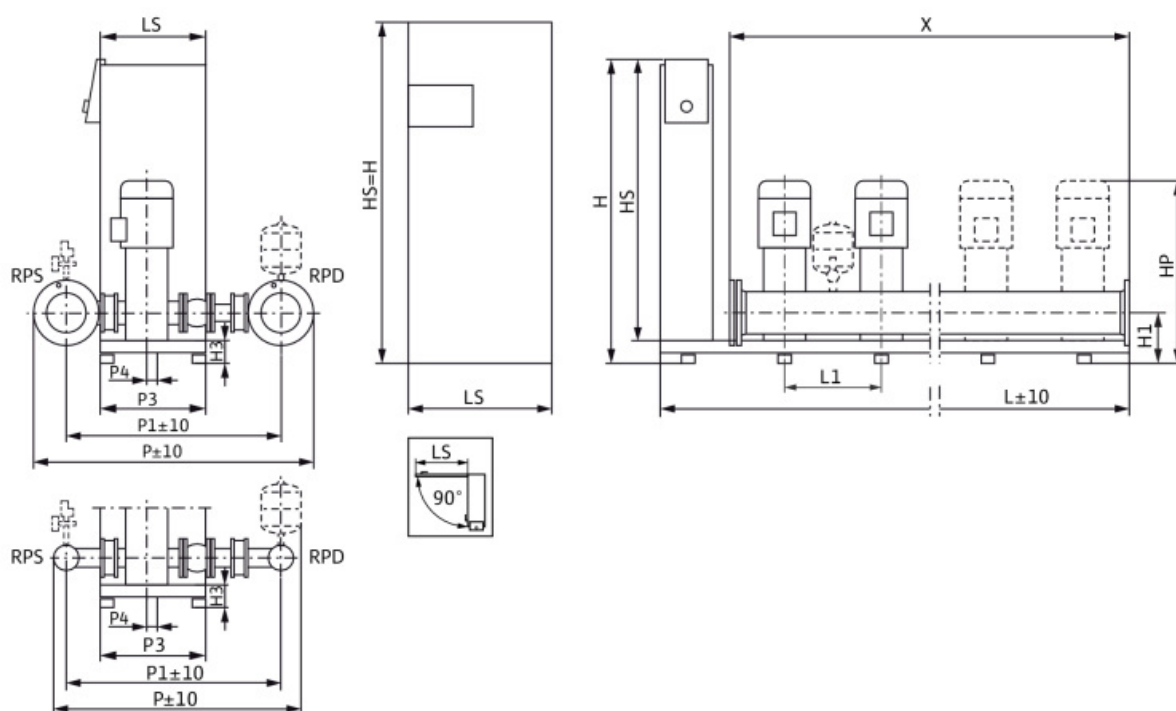
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Standard

Suction side DN 150, PN 10/PN 16

Discharge side DN 150, PN 10/PN 16

Dimensions mm

Name	Value	Name	Value	Name	Value	Name	Value
DNd	DN 150, PN 16	HS	1,900	P4	0		
DNs	DN 150, PN 10	L	2,080	X	2,000		
H	1,900	L1	500				
H1	230	LS	1,000				
H2	394.2	P	1,370				
H3	125	P1	1,085				
HP	1,466	P3	500				