

Technical data

Multi-pump system

SiBoost Smart FC 4 Helix V 3603

Project ID

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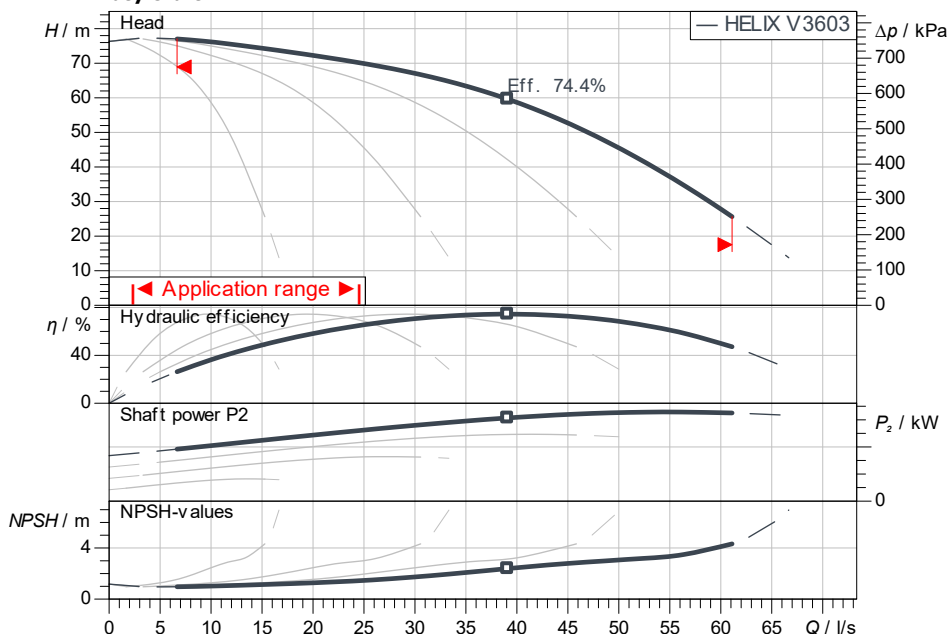
Project name

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 P2	

Product data

Multi-pump system
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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 P2	9.00 kW
Rated current	16.70 A
Power factor	0.87
Efficiency	50% / 75% / 100%
Degree of protection	IP55
Insulation class	F
Motor protection	Yes

Fitting dimensions

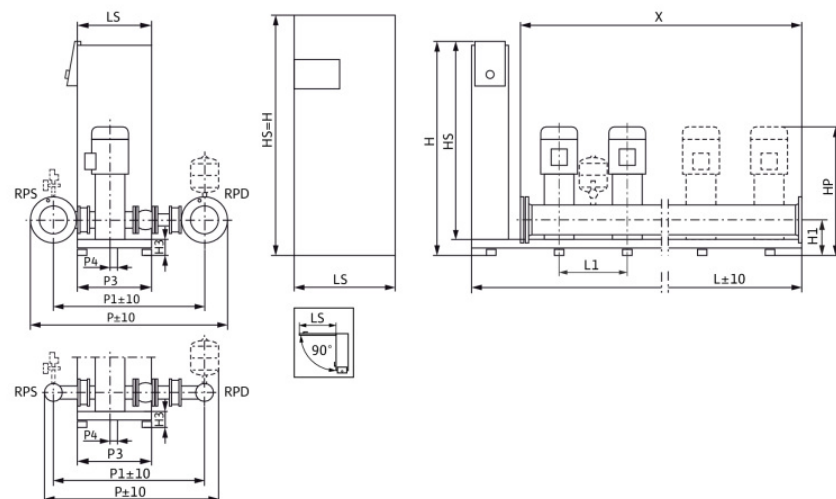
Pipe connection on the suction side DN 150, PN 10
Pipe connection (pressure side) DN 150, PN 16

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.	886 kg
Item number	2540812



Dimensions

mm

DNd	DN 150,	H3	105	LS	1,000	X	1,400
DNs	DN 150,	HP	1,073	P	1,370		
H	1,900	HS	1,900	P1	1,085		
H1	210	L	1,200	P3	450		
H2	374.2	L1	300	P4	25		

Dimensions

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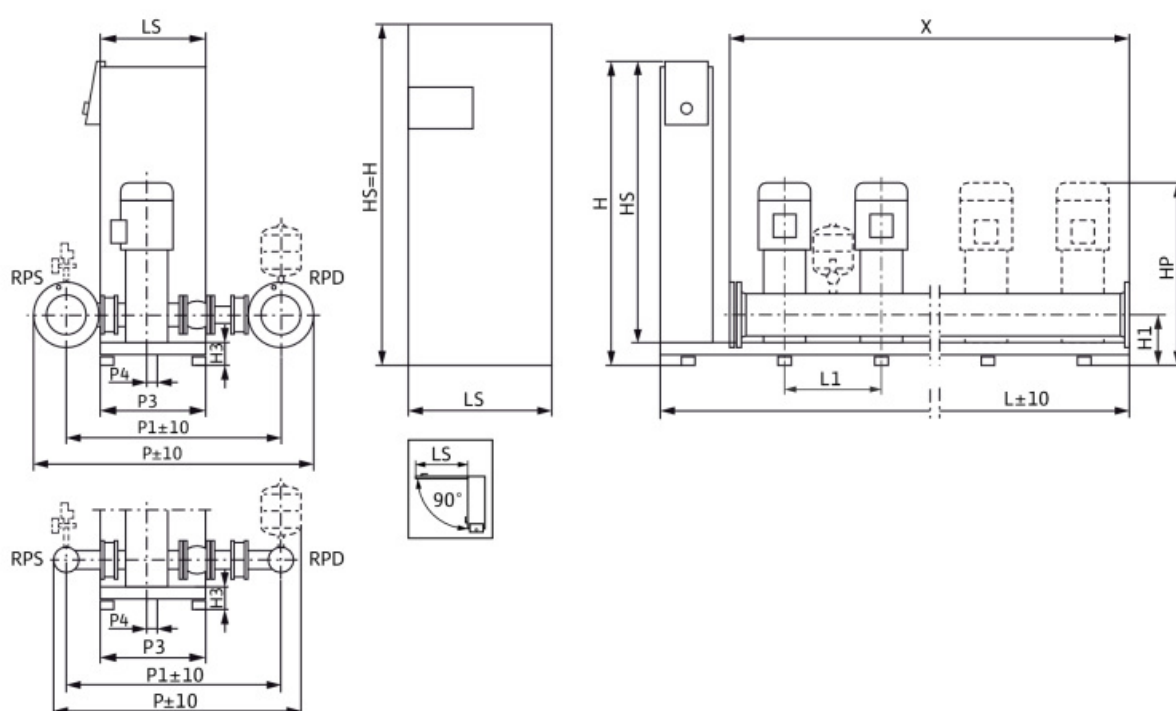
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Standard

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	25		
DNs	DN 150, PN 10	L	1,200	X	1,400		
H	1,900	L1	300				
H1	210	LS	1,000				
H2	374.2	P	1,370				
H3	105	P1	1,085				
HP	1,073	P3	450				