

Technical data

Multi-pump system

SiBoost Smart FC 4 Helix V 1607

Project ID

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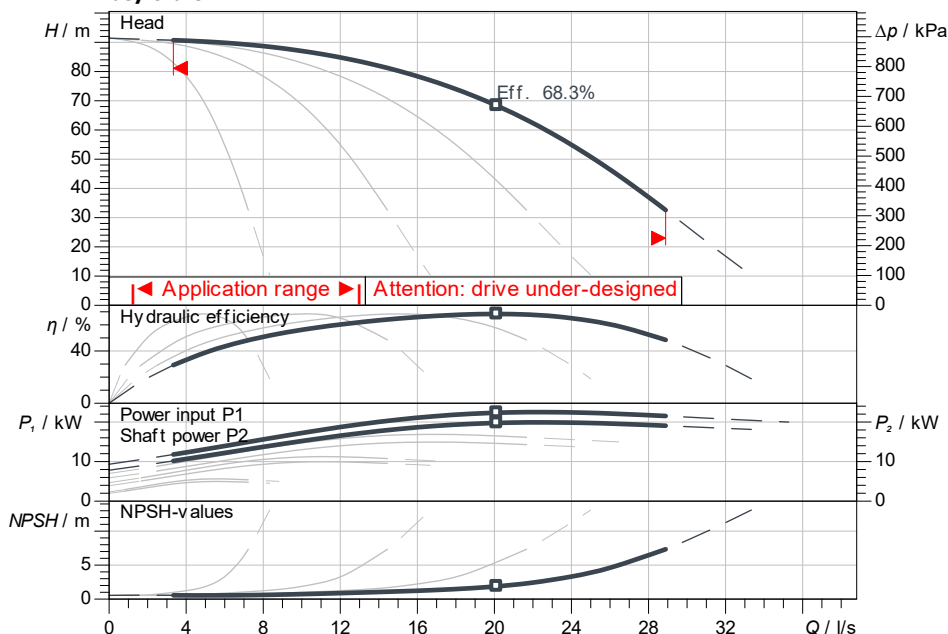
Project name

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

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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	5.50 kW
Rated current	10.50 A
Power factor	0.86
Efficiency	
50% / 75% / 100%	87.1/89/89.2%
Degree of protection	IP55
Insulation class	F
Motor protection	Yes

Fitting dimensions

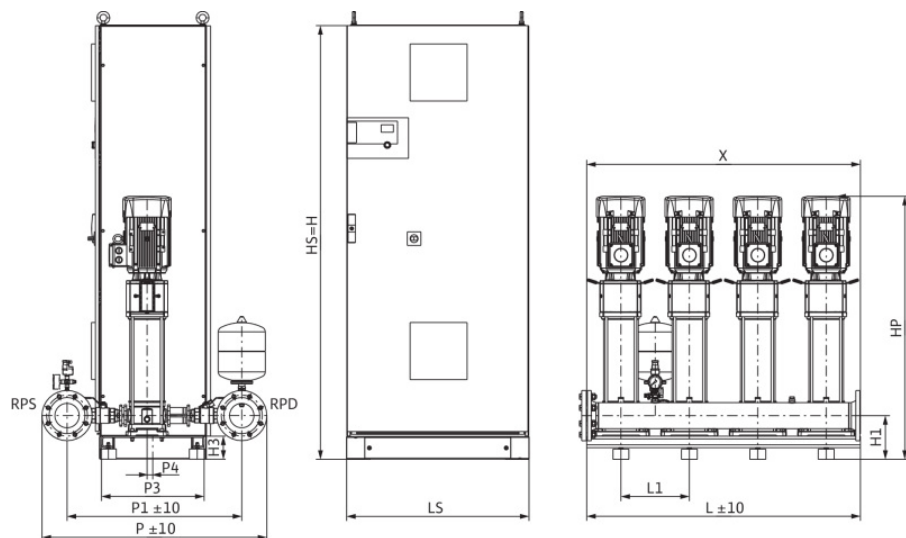
Pipe connection on the suction side	DN 100, PN 10
Pipe connection (pressure side)	DN 100, PN 16

Materials

Pump housing	1.4301
Impeller	1.4307
Shaft	1.4301
Shaft seal	Q1BE3GG
Gasket material	EPDM
Pipework material	1.4307

Information for order placements

Weight approx.	590 kg
Item number	2536202



Dimensions

mm

DNd	DN 100,	H3	105	LS	800	X	1,200
DNs	DN 100,	HP	1,089	P	986		
H	1,900	HS	1,900	P1	766		
H1	195	L	1,200	P3	450		
H2	332.2	L1	300	P4	25		

Dimensions

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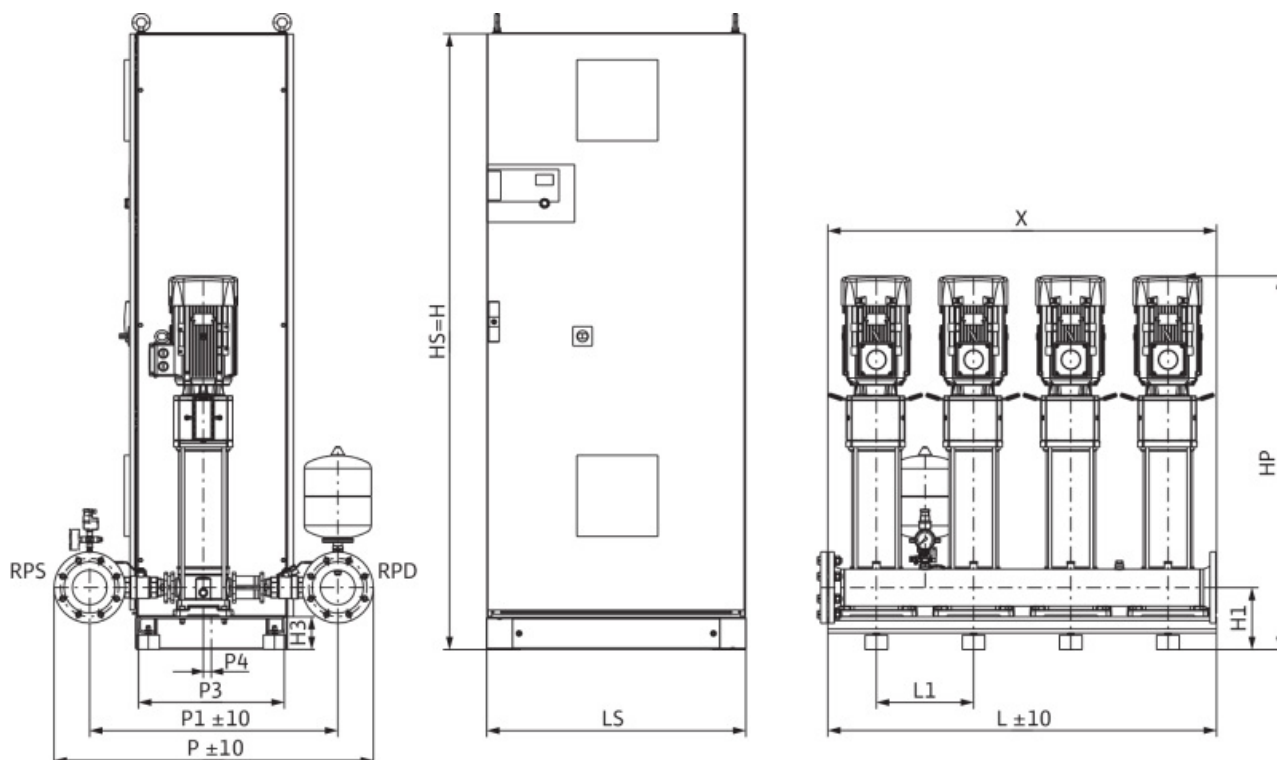
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Standard

Suction side DN 100, PN 10/PN 16

Suction side	DN 100, PN 10/PN 16
Discharge side	DN 100, PN 10/PN 16

Dimensions

mm

Name	Value	Name	Value	Name	Value	Name	Value
DNd	DN 100, PN 16	HS	1,900	P4	25		
DNs	DN 100, PN 10	L	1,200	X	1,200		
H	1,900	L1	300				
H1	195	LS	800				
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