

Technical data

Multi-pump system

SiBoost Smart 3 Helix V 414

Project ID

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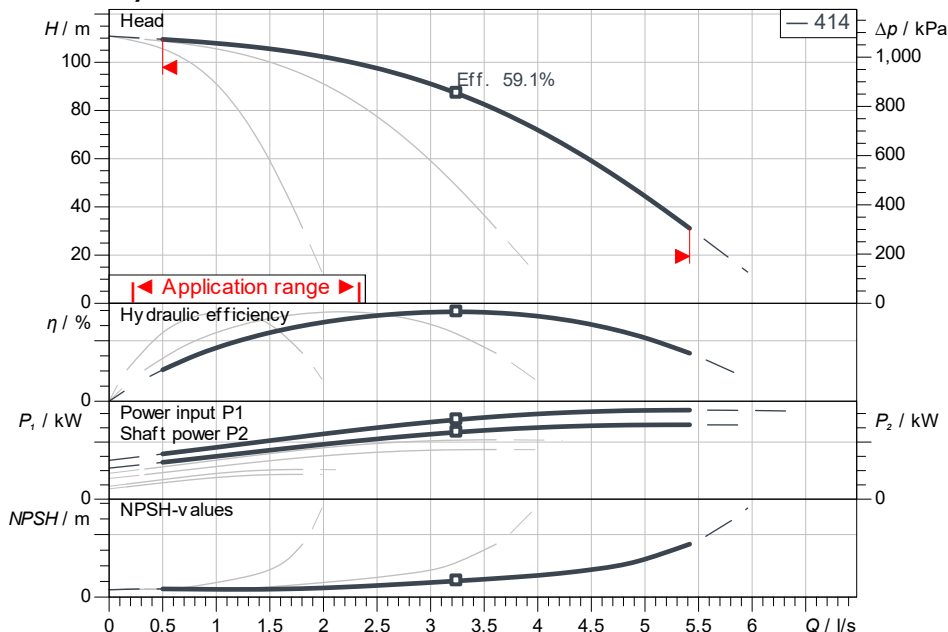
Project name

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	3
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	2.20 kW
Rated current	4.30 A
Power factor	0.87
Efficiency	50% / 75% / 100%
Degree of protection	IP55
Insulation class	F
Motor protection	Yes

Fitting dimensions

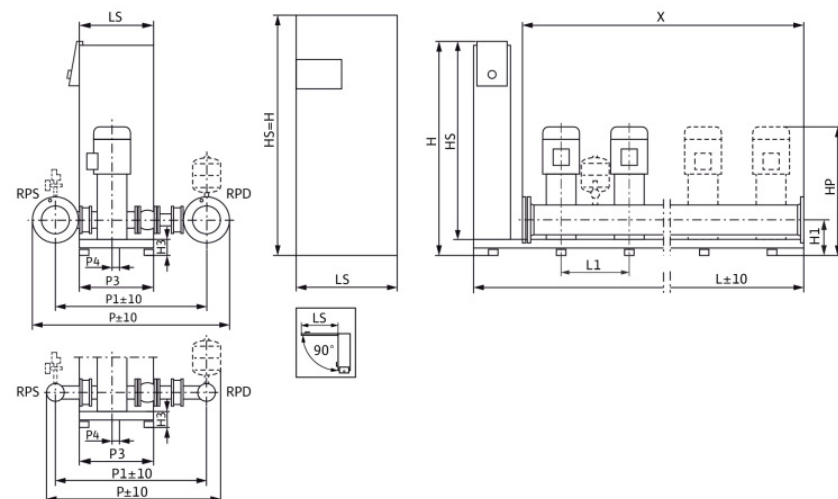
Pipe connection on the suction side	R 1½, PN 10
Pipe connection (pressure side)	R 1½, PN 16

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.	216 kg
Item number	2537567



Dimensions

mm

DNd	R 1½, PN H3	90	LS	150	X	900
DNs	R 1½, PN HP	1,000	P	694		
H	1,055	HS	950	P1	561	
H1	140	L	1,150	P3	420	
H2	244.2	L1	300	P4	30	

Dimensions

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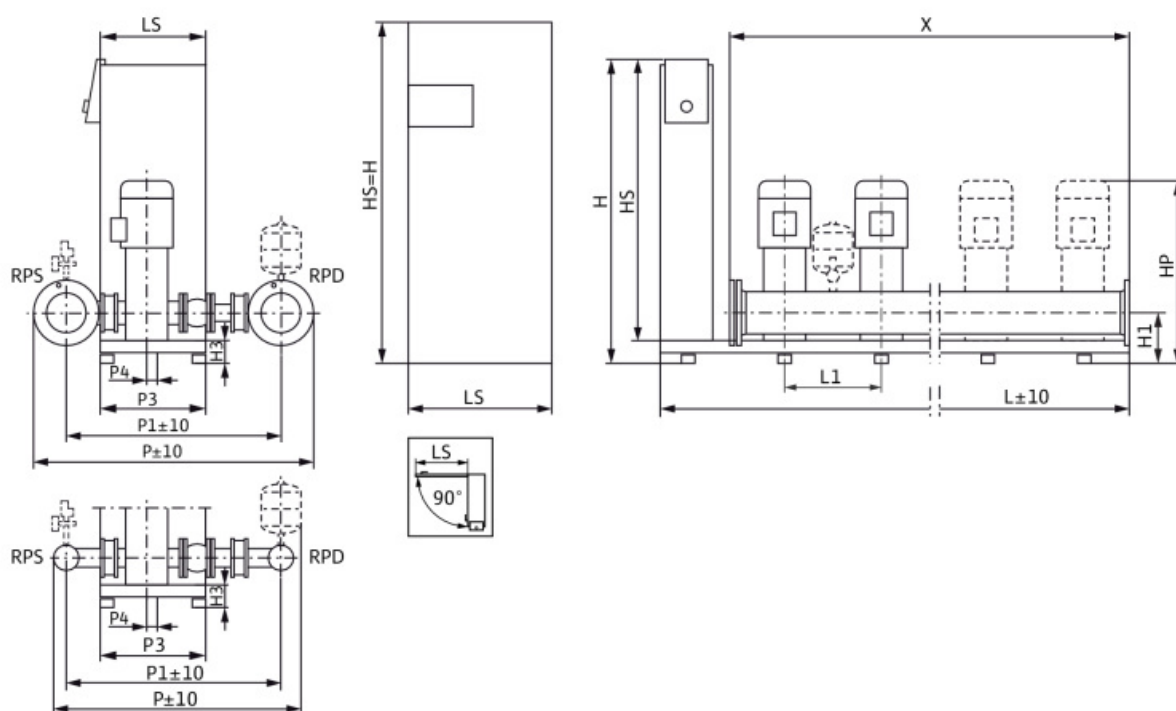
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Standard

Suction side R 1½, PN 10/PN 16

Discharge side R 1½, PN 10/PN 16

Dimensions mm

Name	Value	Name	Value	Name	Value	Name	Value
DNd	R 1½, PN 16	HS	950	P4	30		
DNs	R 1½, PN 10	L	1,150	X	900		
H	1,055	L1	300				
H1	140	LS	150				
H2	244.2	P	694				
H3	90	P1	561				
HP	1,000	P3	420				