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Technical data

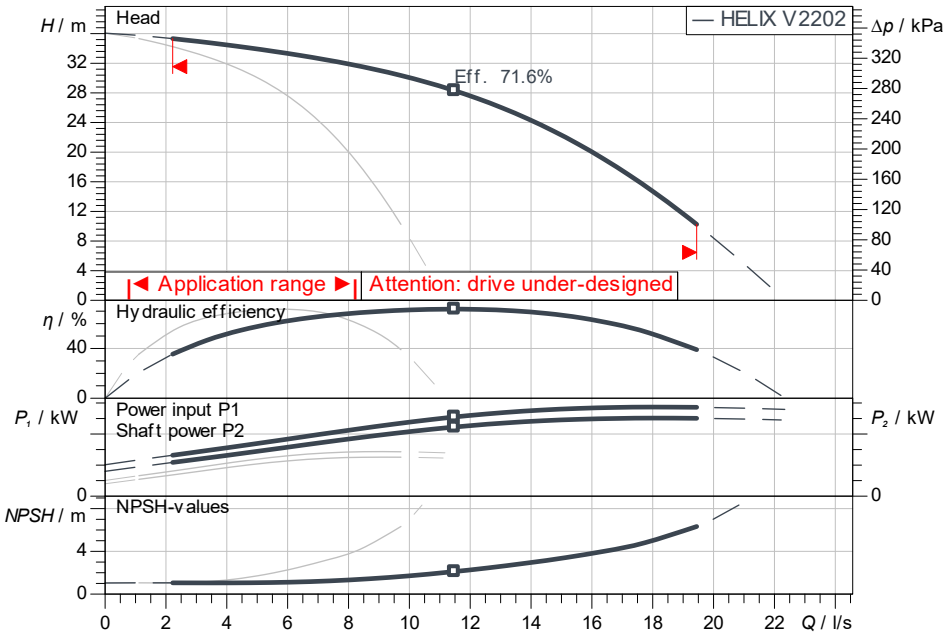
Multi-pump system
SiBoost Smart FC 2 Helix V 2202

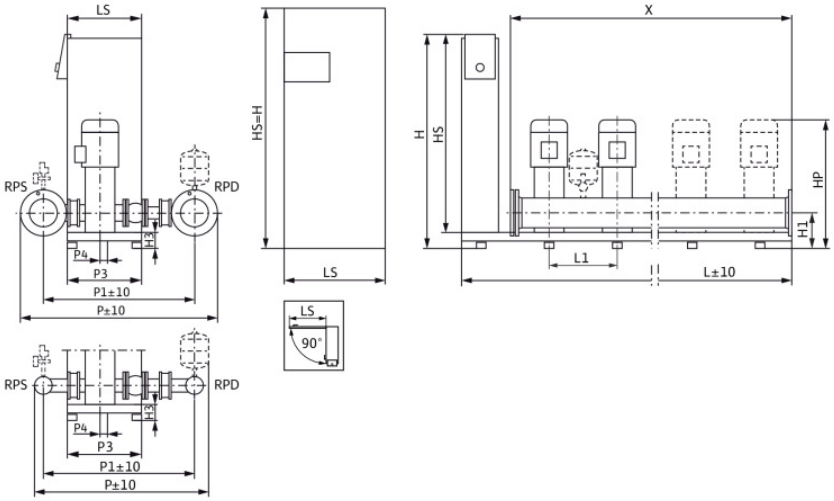
Project ID Untitled project 2025-03-04 01:04:54.425

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/m³
Kin. viscosity	1.00 mm²/s

Hydraulic data (Duty point)

Flow	
Head	
Shaft power P2	

Product data

Multi-pump system
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No. of pumps	2
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	3.00 kW
Rated current	5.50 A
Power factor	0.9
Efficiency	
50% / 75% / 100%	85.4/87.1/87.1%
Degree of protection	IP55
Insulation class	F
Motor protection	Yes

Fitting dimensions

Pipe connection on the suction side	R 3, PN 10
Pipe connection (pressure side)	R 3, 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.	261 kg
Item number	2540738

Dimensions mm

DNd	R 3, PN 1	H3	105	LS	250	X	600
DNs	R 3, PN 1	HP	855	P	1,113		
H	1,405	HS	1,300	P1	966		
H1	195	L	950	P3	420		
H2	319.5	L1	300	P4	30		

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Dimensions

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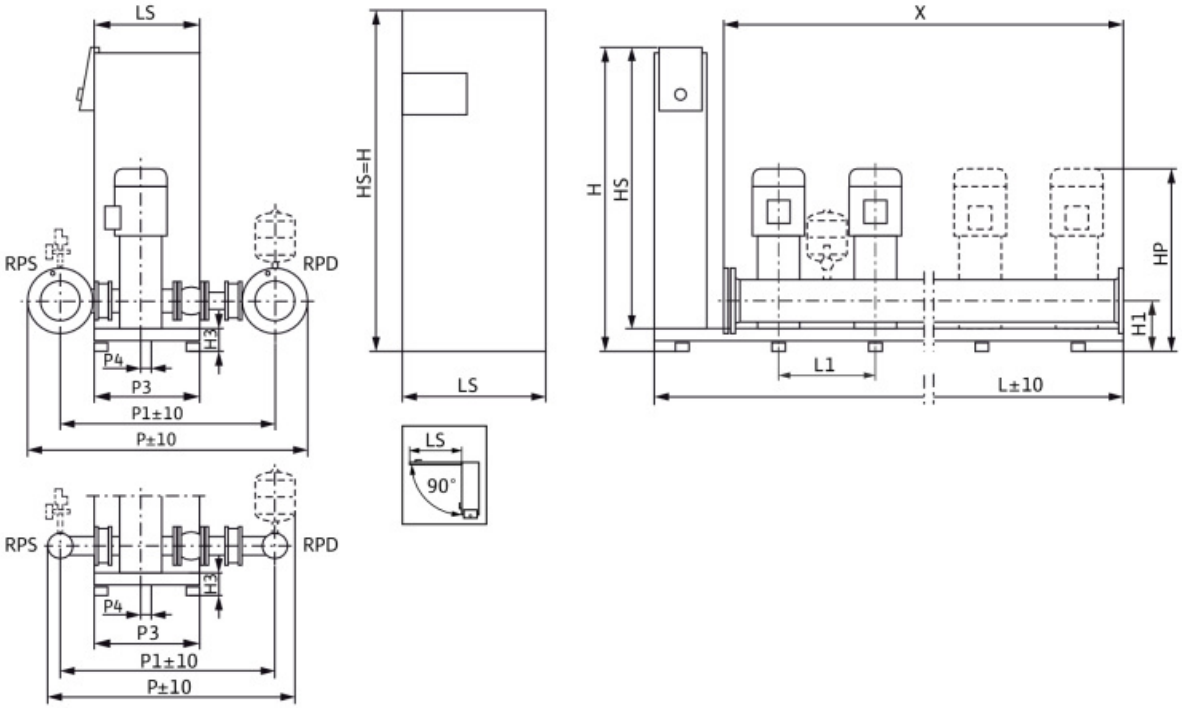

Standard

Suction side	R 3, PN 10/PN 16
Discharge side	R 3, PN 10/PN 16

Dimensions mm

Name	Value	Name	Value	Name	Value	Name	Value
DNd	R 3, PN 16	HS	1,300	P4	30		
DNs	R 3, PN 10	L	950	X	600		
H	1,405	L1	300				
H1	195	LS	250				
H2	319.5	P	1,113				
H3	105	P1	966				
HP	855	P3	420				