

Technical data

SiBoost Smart 3 Helix V 5203/2

Project ID

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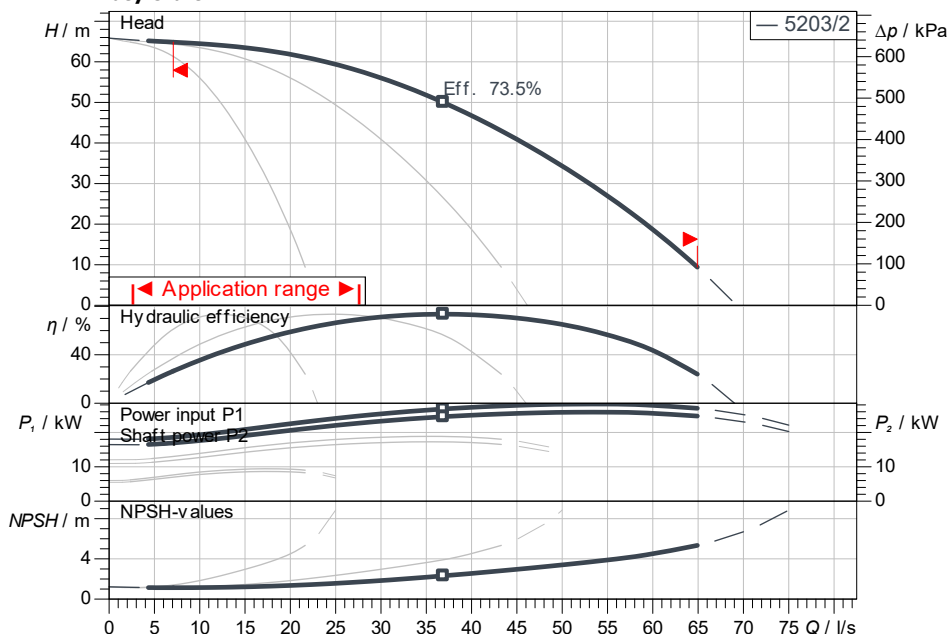
Project name

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

SiBoost Smart 3 Helix V 5203/2

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 P2	11.00 kW
Rated current	21.00 A
Power factor	0.84
Efficiency	50% / 75% / 100%
Degree of protection	IP55
Insulation class	F
Motor protection	Yes

Fitting dimensions

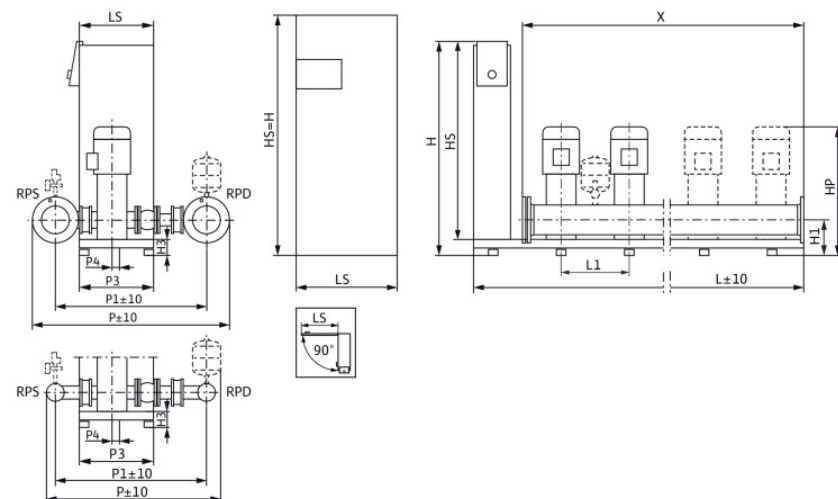
Pipe connection on the suction side	DN 150, PN 10
Pipe connection (pressure side)	DN 150, PN 16

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.	757 kg
Item number	2540830



Dimensions

mm

DNd	DN 150,	H3	105	LS	250	X	1,500
DNs	DN 150,	HP	1,203	P	1,351		
H	1,405	HS	1,300	P1	1,066		
H1	245	L	1,750	P3	420		
H2	409.2	L1	500	P4	30		

Dimensions

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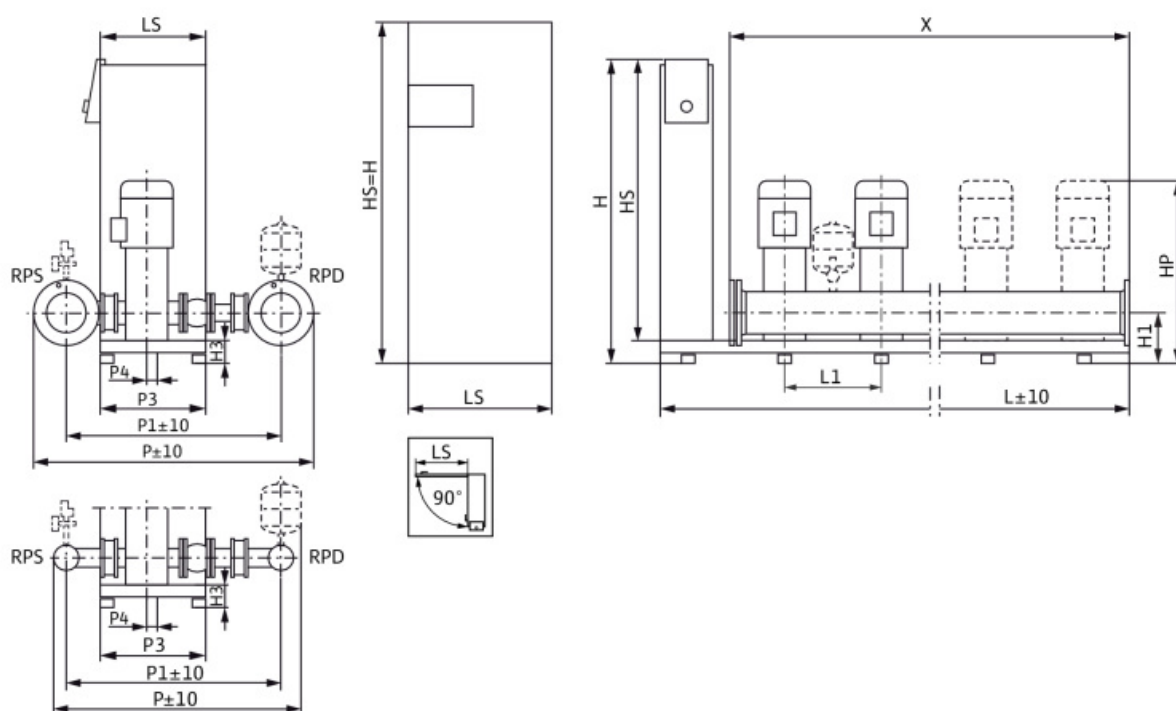
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Standard

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	1,300	P4	30		
DNs	DN 150, PN 10	L	1,750	X	1,500		
H	1,405	L1	500				
H1	245	LS	250				
H2	409.2	P	1,351				
H3	105	P1	1,066				
HP	1,203	P3	420				