

Technical data

Multi-pump system

SiBoost Smart 3 Helix V 5205/2

Project ID

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

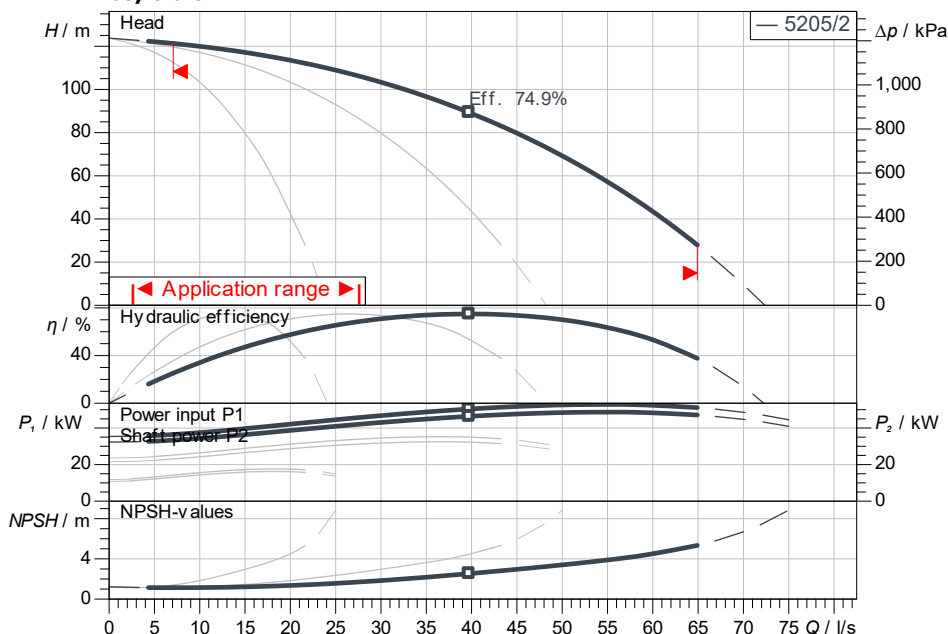
Project name

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/m ³
Kin. viscosity	1.00 mm ² /s

Hydraulic data (Duty point)

Flow
Head
Shaft power P2

Product data

Multi-pump system
SiBoost Smart 3 Helix V 5205/2

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	18.50 kW
Rated current	32.80 A
Power factor	0.89
Efficiency	50% / 75% / 100%
Degree of protection	IP55
Insulation class	F
Motor protection	Yes

Fitting dimensions

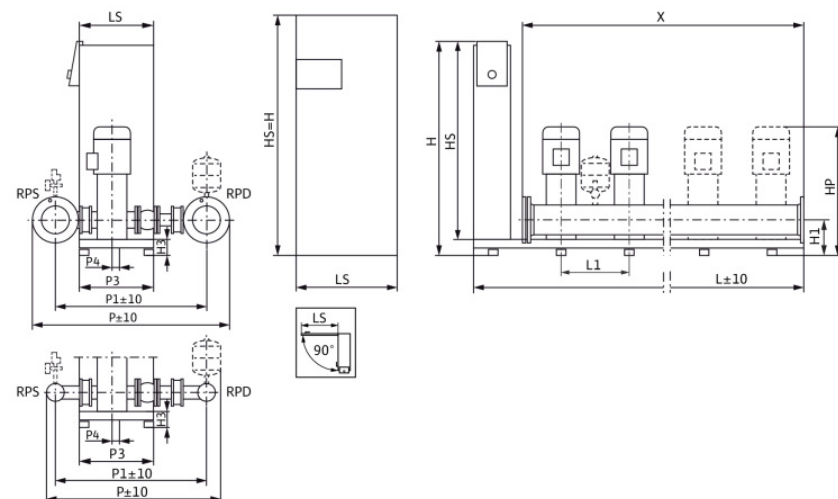
Pipe connection on the suction side	DN 150, PN 10
Pipe connection (pressure side)	DN 150, PN 16

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.	998 kg
Item number	2540834



Dimensions

mm

DNd	DN 150,	H3	125	LS	600	X	1,500
DNs	DN 150,	HP	1,683	P	1,351		
H	1,900	HS	1,900	P1	1,066		
H1	265	L	1,580	P3	500		
H2	429.2	L1	500	P4	0		

Dimensions

Multi-pump system

SiBoost Smart 3 Helix V 5205/2

Project ID

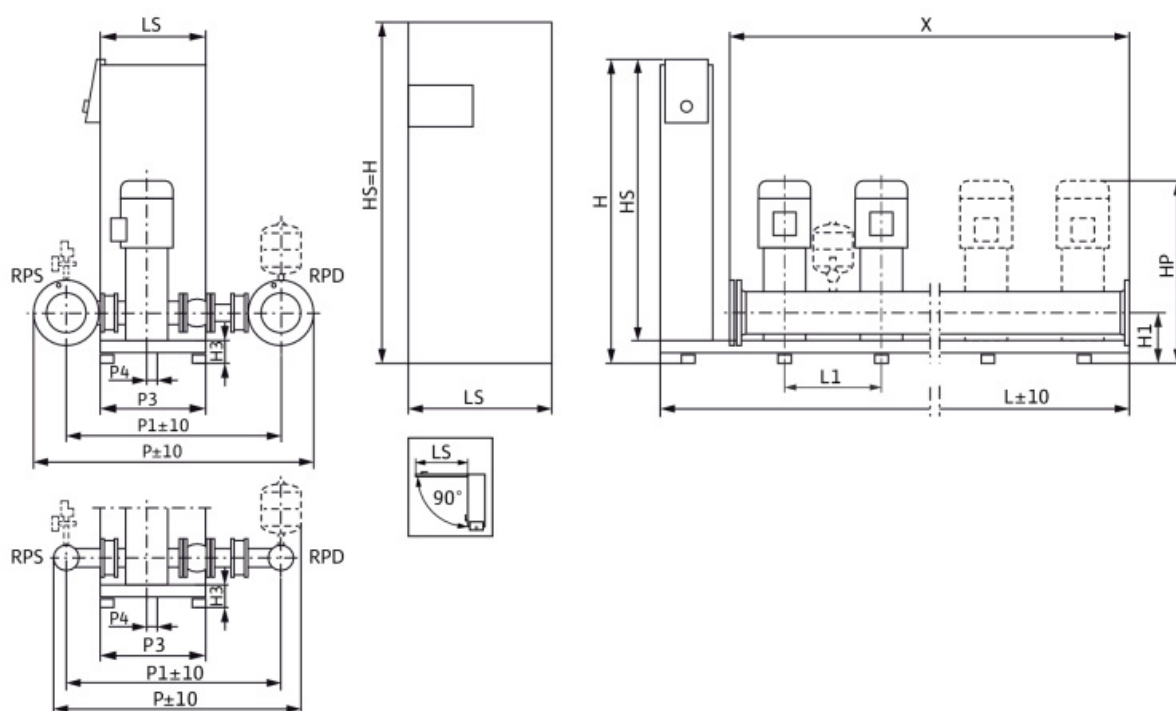
Untitled project 2025-03-04 01:04:54.425

Project name

Installation location

Customer pos. No.

Date 2025-03-04



Standard

Suction side DN 150, PN 10/PN 16

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	0		
DNs	DN 150, PN 10	L	1,580	X	1,500		
H	1,900	L1	500				
H1	265	LS	600				
H2	429.2	P	1,351				
H3	125	P1	1,066				
HP	1,683	P3	500				