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Technical data

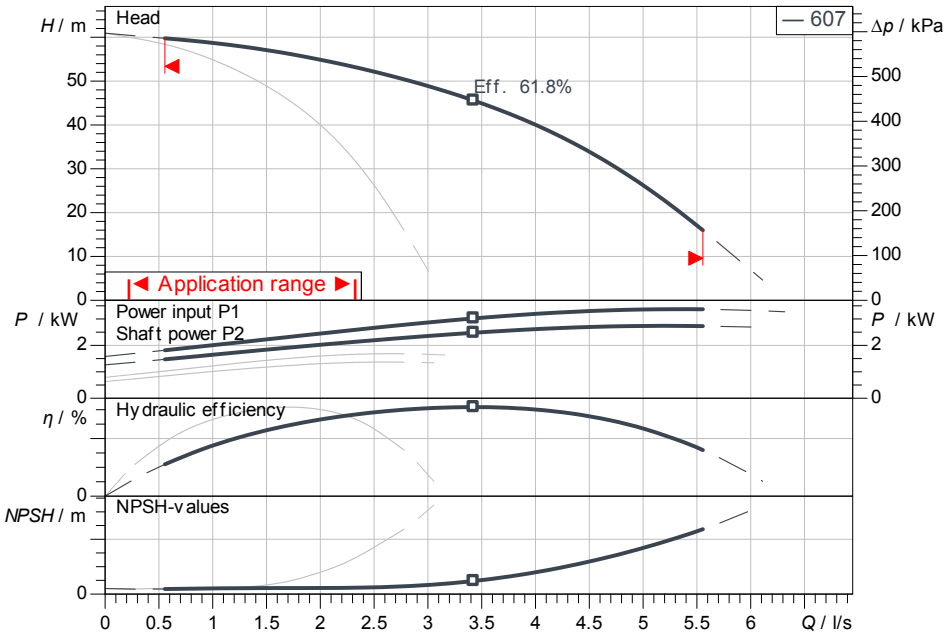
Multi-pump system
CO-2 Helix V 607/K/CC-01

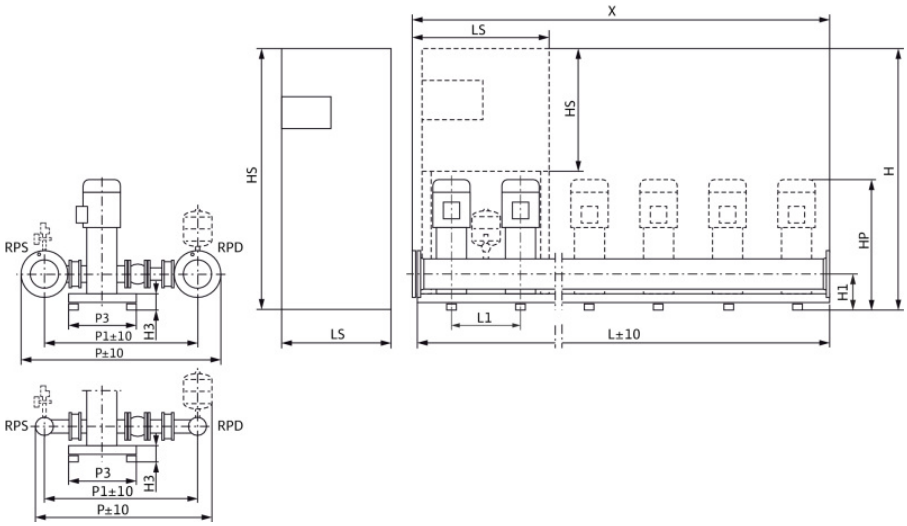
Project ID Untitled project 2025-03-02 00:16:13.422

Project name
Installation location
Customer pos. No.

Date 2025-03-02

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	
CO-2 Helix V 607/K/CC-01	
Control	Without frequency conve
No. of pumps	2
Max. operating pressure	1,600 kPa
Inlet pressure max.	1,000 kPa
Fluid temperature	3 °C ... +50 °C
Max. ambient temperature	40 °C
Protection class motor	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	1.50 kW
Rated current	3.00 A
Power factor	0.85
Efficiency	
50%/ 75% / 100%	80.9/83.8/84.2%
Insulation class	F
Motor protection	Yes

Fitting dimensions

Pipe connection on the suction side	R 2, PN 10
Pipe connection (pressure side)	R 2, PN 16

Materials

Pump housing	1.4301
Impeller	1.4307
Shaft	1.4301
Shaft seal	Q1BE3GG
Gasket material	EPDM
Pipework material	1.4404

Information for order placements

Weight approx.	149 kg
Item number	2535314

Dimensions mm

DNd	R 2, PN 16	HP	950	P	756
DNs	R 2, PN 10	HS	600	P1	623
H	1,870	L	600	P3	300
H1	140	L1	300	P4	20
H3	90	LS	600	X	600

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Dimensions

Multi-pump system

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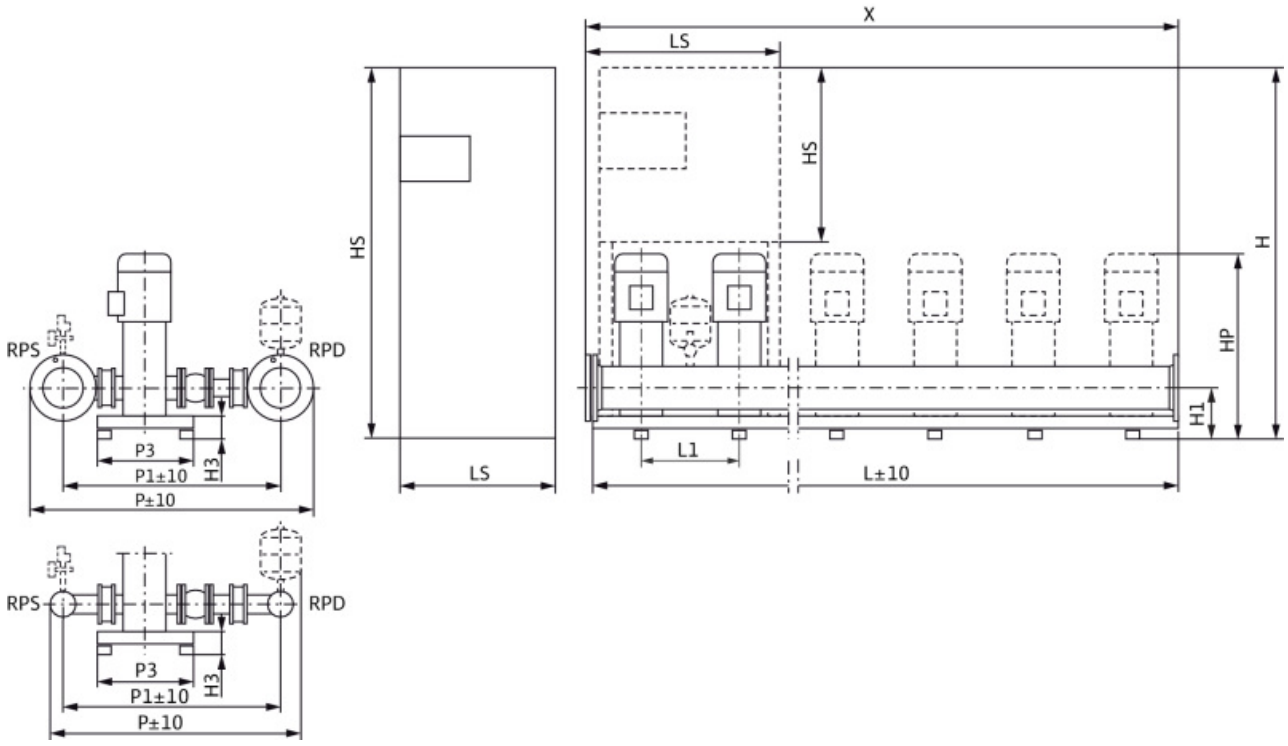

Standard

Suction side R 2, PN 10/PN 16
Discharge side R 2, PN 10/PN 16

Dimensions mm

Name	Value	Name	Value	Name	Value	Name	Value
DNd	R 2, PN 16	L	600	X	600		
DNs	R 2, PN 10	L1	300				
H	1,870	LS	600				
H1	140	P	756				
H3	90	P1	623				
HP	950	P3	300				
HS	600	P4	20				