

Technical data

Multi-pump system

CO-2 Helix V 1003/K/CC-01

Project ID

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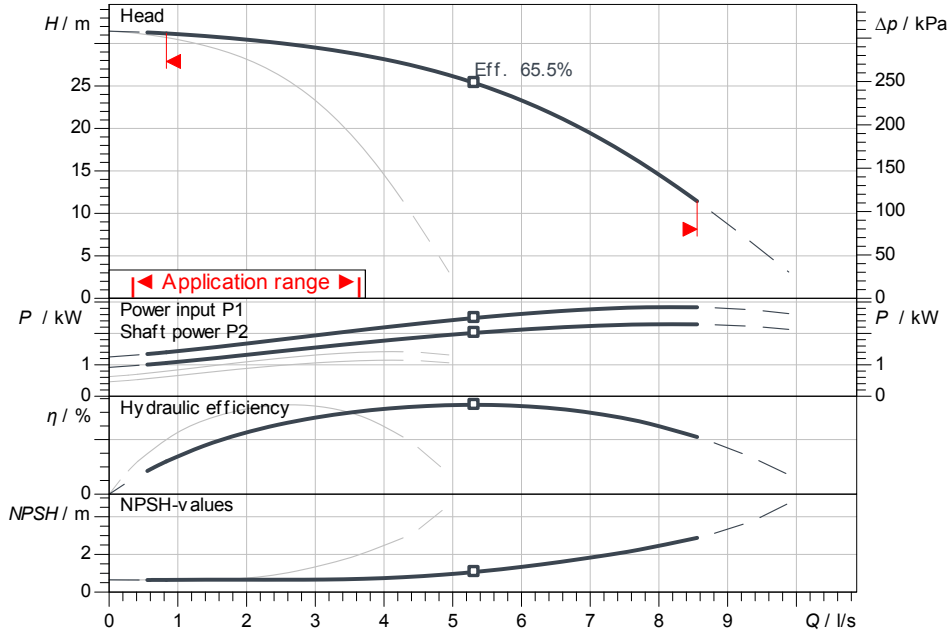
Project name

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 1003/K/CC-01	
Control	Without frequency conversion
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	1.10 kW
Rated current	2.50 A
Power factor	0.8
Efficiency	78.7/82/82.7%
50% / 75% / 100%	
Insulation class	F
Motor protection	Yes

Fitting dimensions

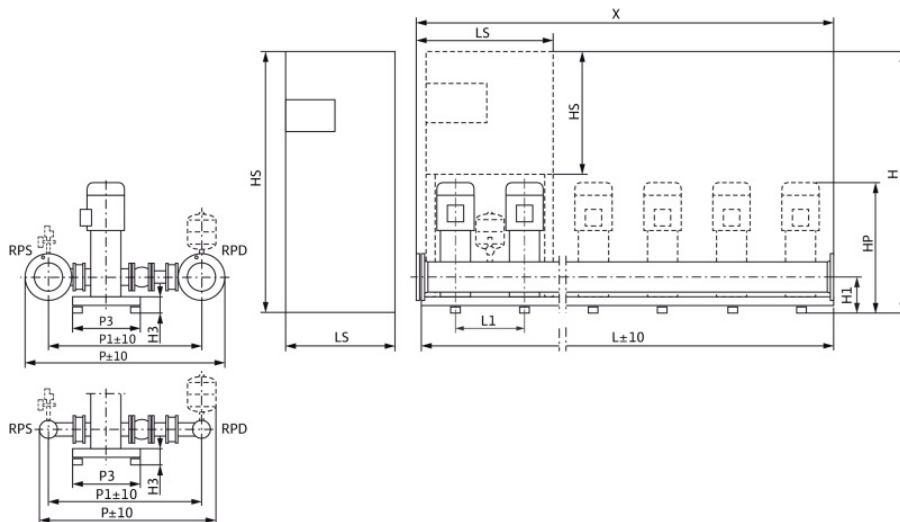
Pipe connection on the suction side	R 2½, PN 10
Pipe connection (pressure side)	R 2½, PN 16

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.	154 kg
Item number	2534091



Dimensions

mm

DNd	R 2½, PN 16	HP	804	P	895
DNs	R 2½, PN 10	HS	600	P1	754
H	1,685	L	600	P3	450
H1	185	L1	300	P4	25
H3	105	LS	600	X	600

Dimensions

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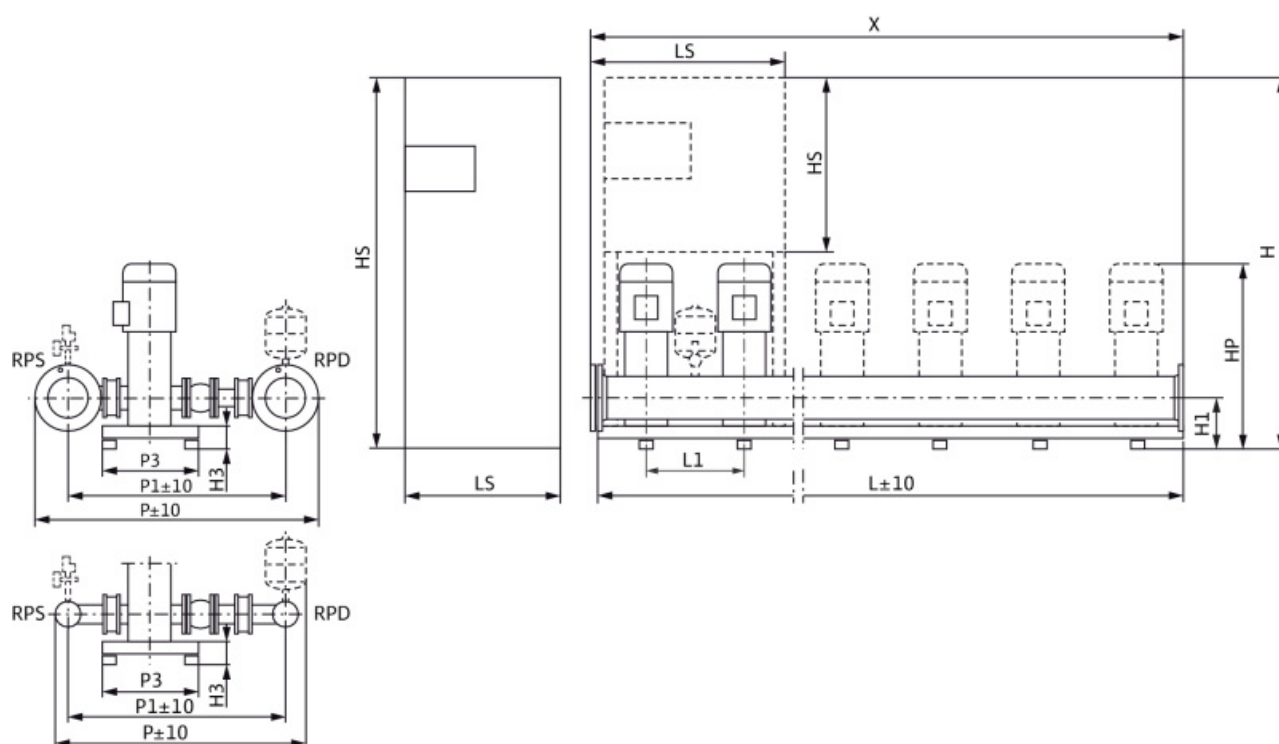
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Standard

Suction side R 2½, PN 10/PN 16

Discharge side R 2½, PN 10/PN 16

Dimensions mm

Name	Value	Name	Value	Name	Value	Name	Value
DNd	R 2½, PN 16	L	600	X	600		
DNs	R 2½, PN 10	L1	300				
H	1,685	LS	600				
H1	185	P	895				
H3	105	P1	754				
HP	804	P3	450				
HS	600	P4	25				