

Technical data

Fire-extinguishing system FLA-1 Helix V 5204/2/K-02 PN10

Project ID

Untitled project 2025-03-03 14:15:38.327

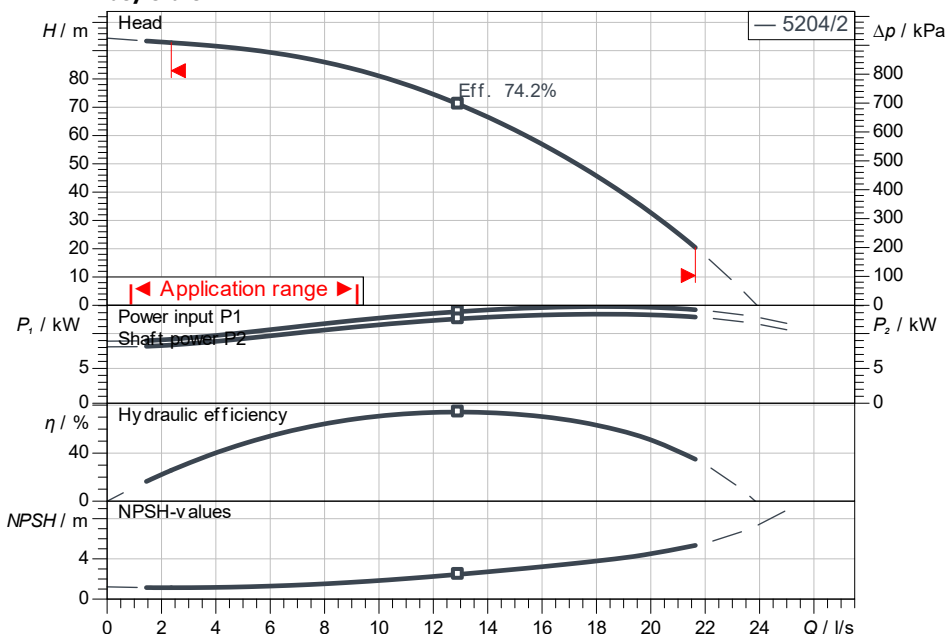
Project name

Installation location

Customer pos. No.

Date 2025-03-03

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

Fire-extinguishing system
FLA-1 Helix V 5204/2/K-02 PN10

No. of pumps	1
Max. operating pressure	1,000 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	15.00 kW
Rated current	26.70 A
Power factor	0.88
Efficiency	50% / 75% / 100%
Degree of protection	IP55
Insulation class	F
Motor protection	Yes

Fitting dimensions

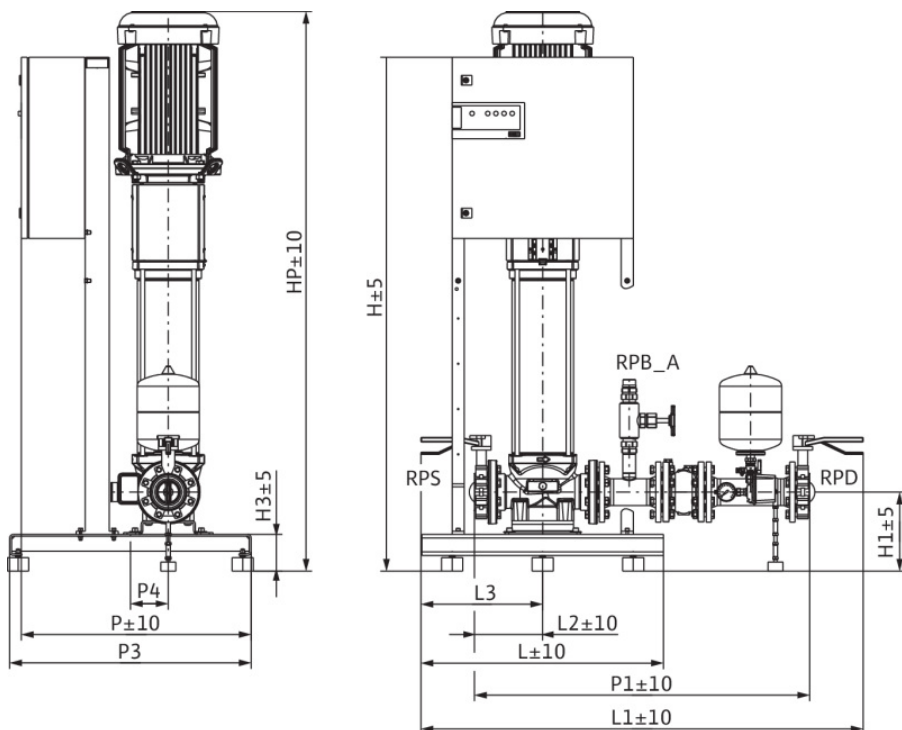
Pipe connection on the suction side	DN 80, PN 10
Pipe connection (pressure side)	DN 80, PN 16

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.	202 kg
Item number	2534395



Dimensions

mm

H	1,705	L	800	P1	1,118	RPS	DN 80, P
H1	265	L1	1,472	P3	800		
H3	125	L2	231	P4	125		
HP	1,573	L3	400	RPB_A	R 1 ¼		
HS	600	P	760	RPD	DN 80, P		



Contact
E-mail
Phone

Customer

Contact
E-mail
Phone

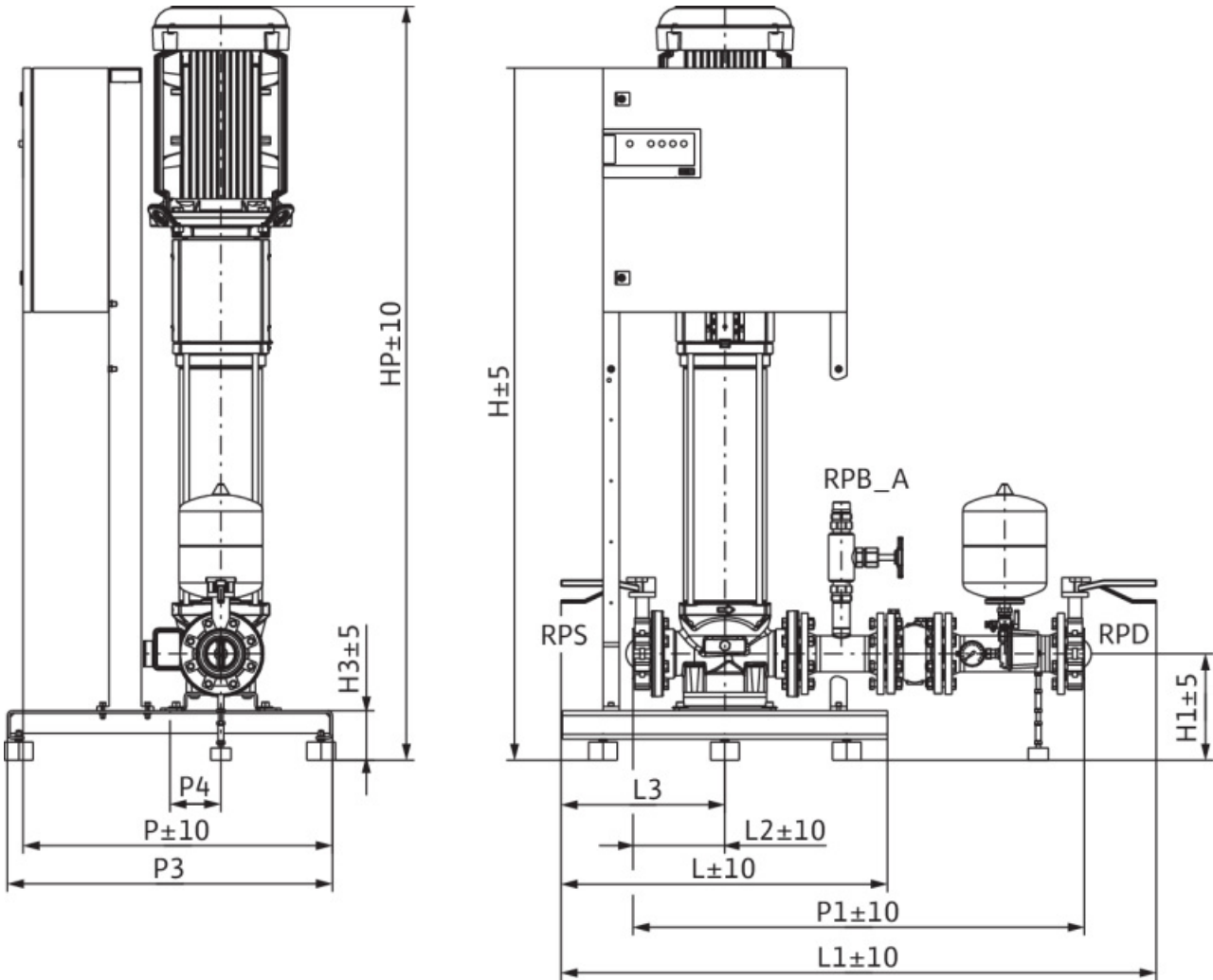
Dimensions

Fire-extinguishing system
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Standard

Suction side DN 80, PN 10/PN 16
Discharge side DN 80, PN 10/PN 16

Dimensions mm

Name	Value	Name	Value	Name	Value	Name	Value
H	1,705	L2	231	RPD	DN 80, PN 16		
H1	265	L3	400	RPS	DN 80, PN 10		
H3	125	P	760				
HP	1,573	P1	1,118				
HS	600	P3	800				
L	800	P4	125				
L1	1,472	RPB_A	R 1 1/4				



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Wiring diagram

Fire-extinguishing system

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Wiring diagram

1-phase / 3-phase **3~**

