

Technical data

Multi-pump system CO-2 MVI 9502/CC

Project ID

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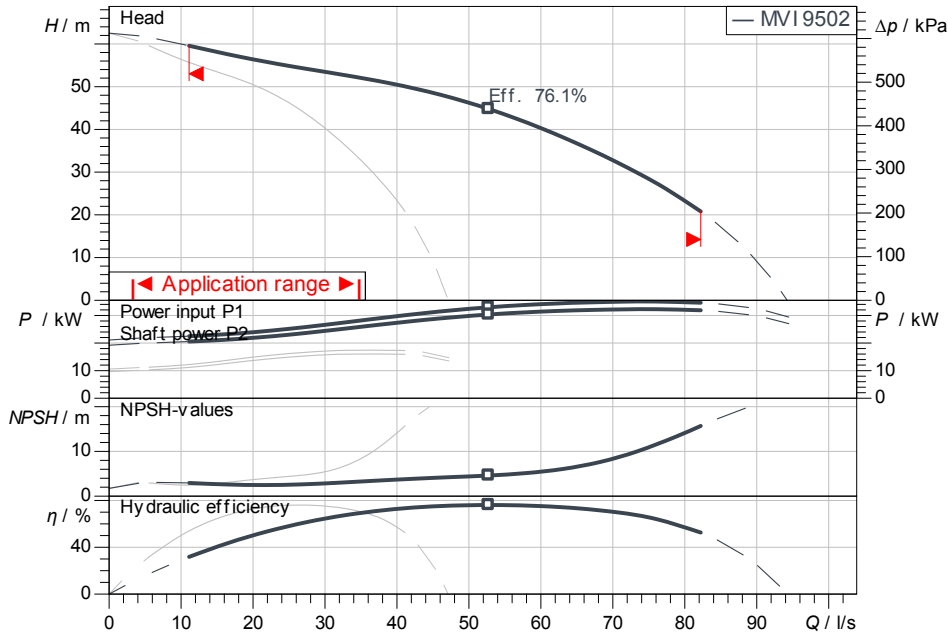
Project name

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/m ³
Kin. viscosity	1.00 mm ² /s

Hydraulic data (Duty point)

Flow	
Head	
Shaft power P_2	

Product data

Multi-pump system	
CO-2 MVI 9502/CC	
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
0	
0	

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 P_2	18.50 kW
Rated current	32.80 A
Power factor	0.89
Efficiency	
50% / 75% / 100%	91.6/92.5/92.4%
Insulation class	F
Motor protection	Yes

Fitting dimensions

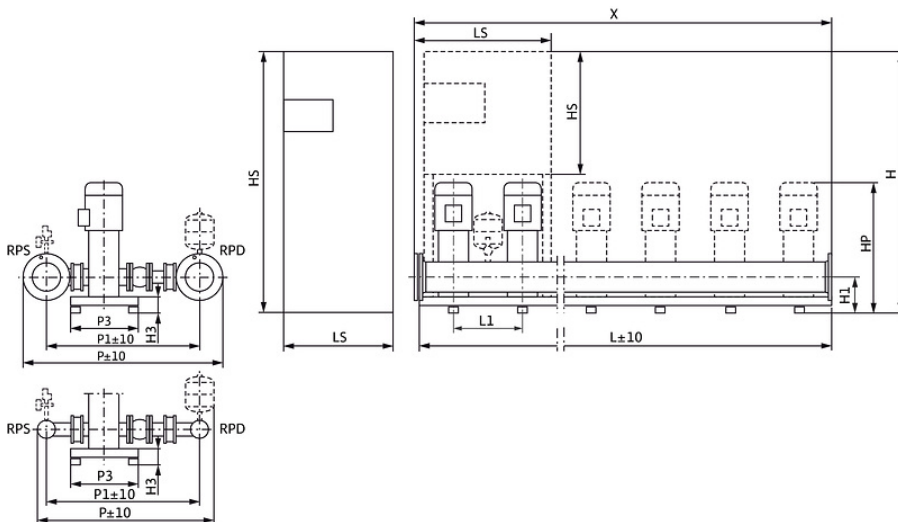
Pipe connection on the suction side	DN 200, PN 16
Pipe connection (pressure side)	DN 200, PN 16

Materials

Pump housing	5.1301/EN-GJL-250
Impeller	1.4408
Shaft	1.4057
Shaft seal	U3BE3GG
Gasket material	EPDM
Pipework material	1.4404

Information for order placements

Weight approx.	934 kg
Item number	



Dimensions

mm

DNd	DN 200, PN	HP	1,406	P3	650
DNs	DN 200, PN	L	1,000	X	1,000
H	1,900	L1	500		
H1	268	P	1,640		
H3	128	P1	1,300		

Dimensions

Multi-pump system

CO-2 MVI 9502/CC

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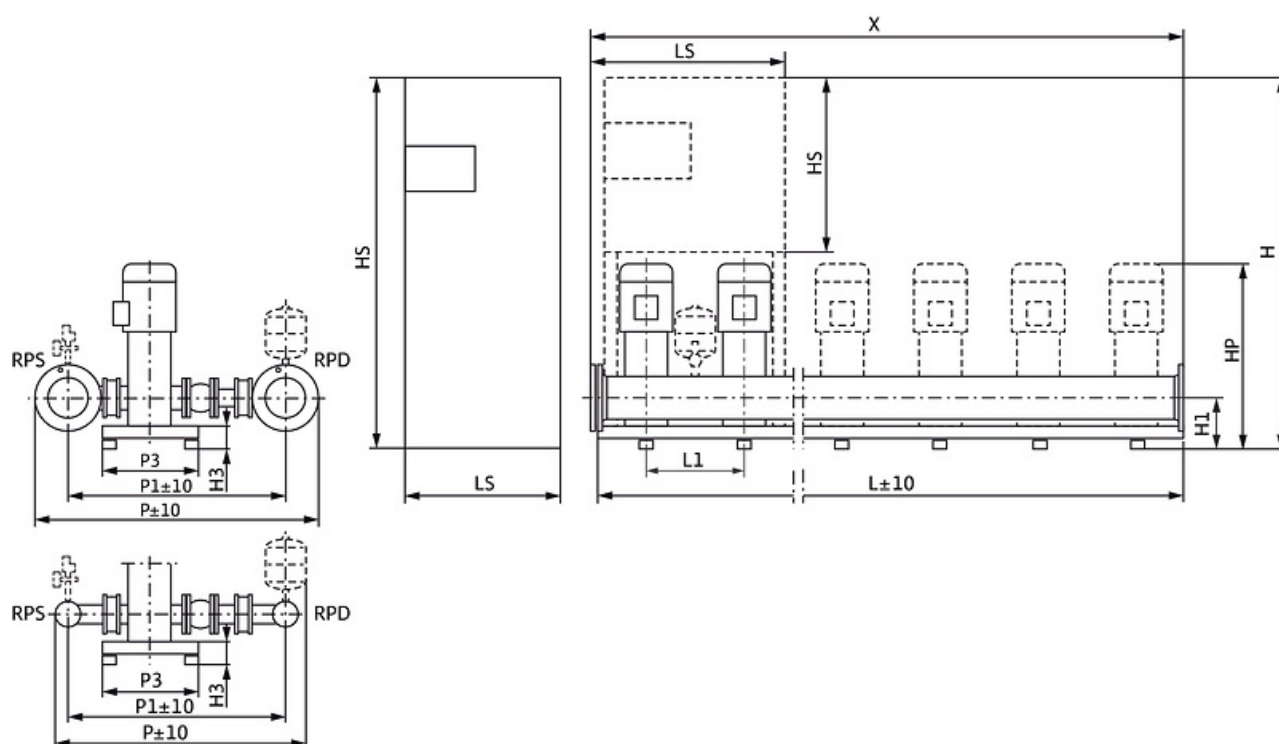
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Standard

Suction side DN 200, PN 16

Discharge side DN 200, PN 16

Dimensions mm

Name	Value	Name	Value	Name	Value	Name	Value
DNd	DN 200, PN 16	L1	500				
DNs	DN 200, PN 16	P	1,640				
H	1,900	P1	1,300				
H1	268	P3	650				
H3	128	X	1,000				
HP	1,406						
L	1,000						