

Customer

Technical data

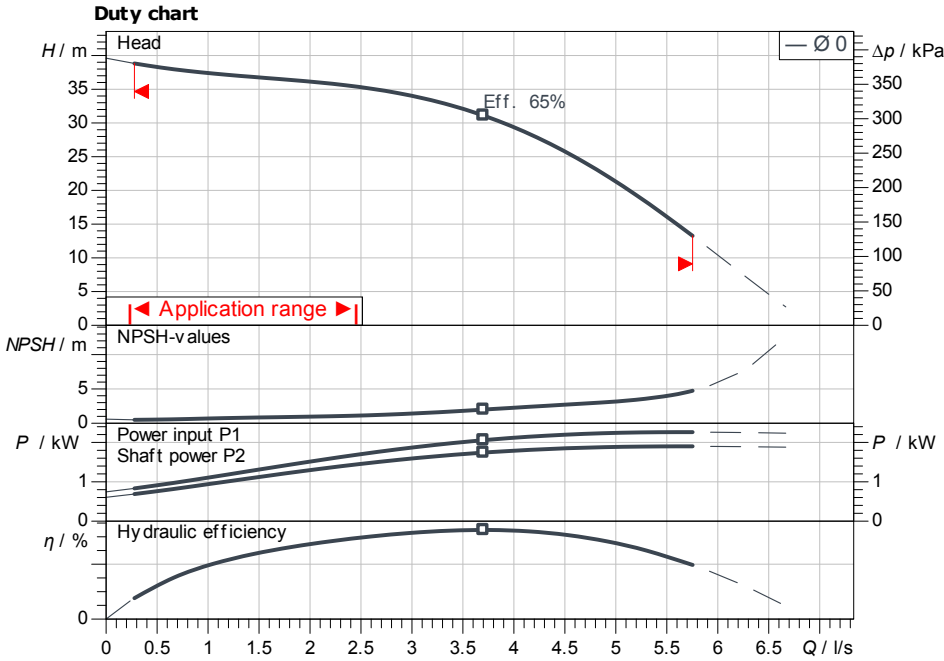
Single-pump system

Isar MODH1-1CH1-L-1603/EC

Project ID Untitled project 2025-03-03 22:14:23.954

Project name
Installation location
Customer pos. No.

Date 2025-03-03



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

Single-pump system	
Isar MODH1-1CH1-L-1603/EC	
Control	Without frequency conversion
No. of pumps	1
Max. operating pressure	1,000 kPa
Inlet pressure max.	6 bar
Fluid temperature	3 °C ... +60 °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 %
Max. speed	2,900 1/min
Rated power P2	1.85 kW
Rated current	4.00 A

Efficiency	50% / 75% / 100%	84.8/85.6/85.1%
Insulation class		F
Motor protection		

Fitting dimensions

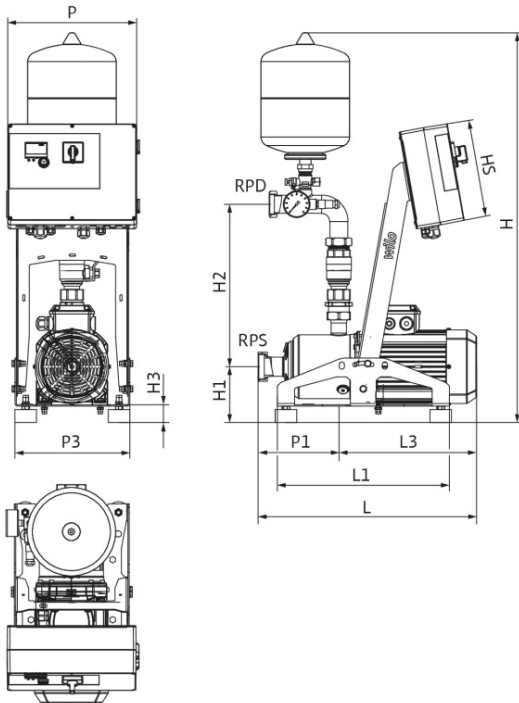
Pipe connection on the suction side	G 2, PN 10
Pipe connection (pressure side)	G 2, PN 10

Materials

Pump housing	1.4301
Impeller	1.4301
Shaft	1.4301
Shaft seal	BQ1E3GG
Gasket material	EPDM
Pipework material	1.4301/CW617N

Information for order placements

Weight approx.	38 kg
Item number	2551956



Dimensions mm

DNd	G 2, PN 1	H3	40	P	300
DNs	G 2, PN 1	HS	230	P1	145
H	960	L	500	P3	267
H1	130	L3	325		
H2	425	LS	110		

Contact
E-mail
Phone

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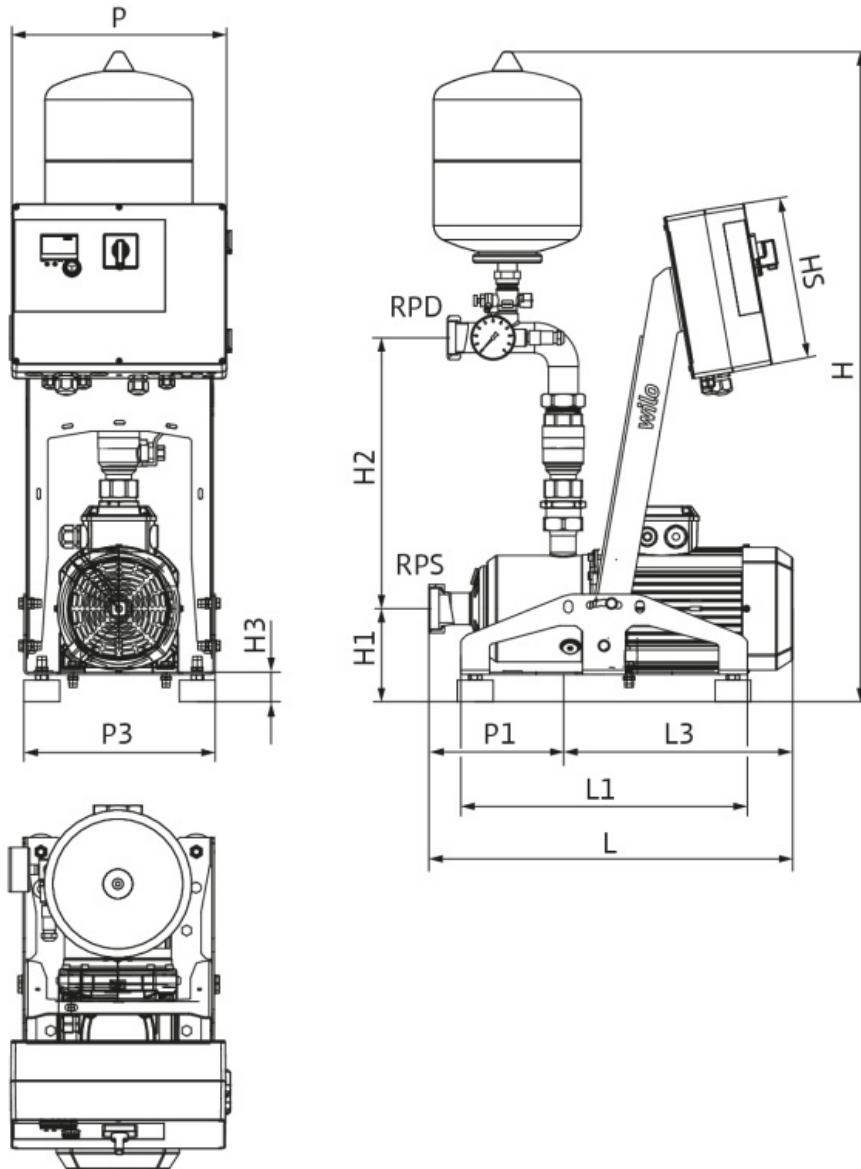
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Standard

Suction side G 2, PN 10

Discharge side G 2, PN 10

Dimensions mm

Name	Value	Name	Value	Name	Value	Name	Value
DNd	G 2, PN 10	L	500				
DNs	G 2, PN 10	L3	325				
H	960	LS	110				
H1	130	P	300				
H2	425	P1	145				
H3	40	P3	267				
HS	230						