IMP PUMPS d.o.o. Pod hrasti 28 SI - 1218 Komenda Slovenia Phone: +386 (0)1 28 06 400 Fax: +386 (0)1 28 06 460

GHNbasic II 80-120F PN10

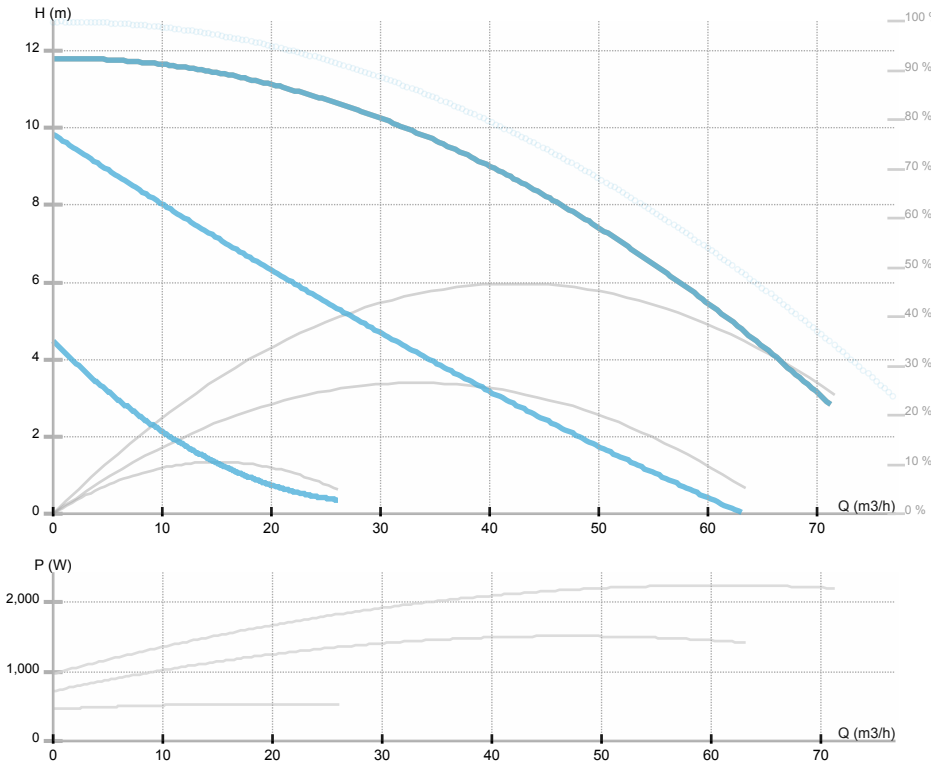
979524472

GHNbasic II / Three speeds circulation pumps with flanges

Heating/cooling

GENERAL

Product number	**979524472**		
Product name	**GHNbasic II 80-120F PN10**		
Seal type			
Net weight	**34.40 kg**		
Head max. (H max)	**11.8 m**	H min	**0.0 m**
Flow max. (Q max)	**88.5 m3/h**	Q min	**0.0 m3/h**
	%		
Noise	**dB(A)**		



ELECTRICAL DATA

Supply voltage	
Mains frequency	**50 Hz**
Power input max.	**2263 W**
Speed max.	**2880 rpm**
Insulation class	**200 °C**
Current max.	**3.9 A**
Protection class	**IP44**
Thermal protection	
Frame size	
Motor IE class	

INSTALLATION

Pumped liquid	**water VDI 2035, glycol 50%**
Liquid temperature	**-10.0 ÷ 120.0 °C**
Ambient temp.range	**40 °C**
Port-to-port length	**360 mm**
Pipe connection	**80**
Pressure rating	
Connection	
Max operating pressure	**1,0**

MATERIAL

Bearing	**Graphite**
Impeller	**AISI 304**
Hydraulics	**gray cast iron**
Shaft	**AISI 431**

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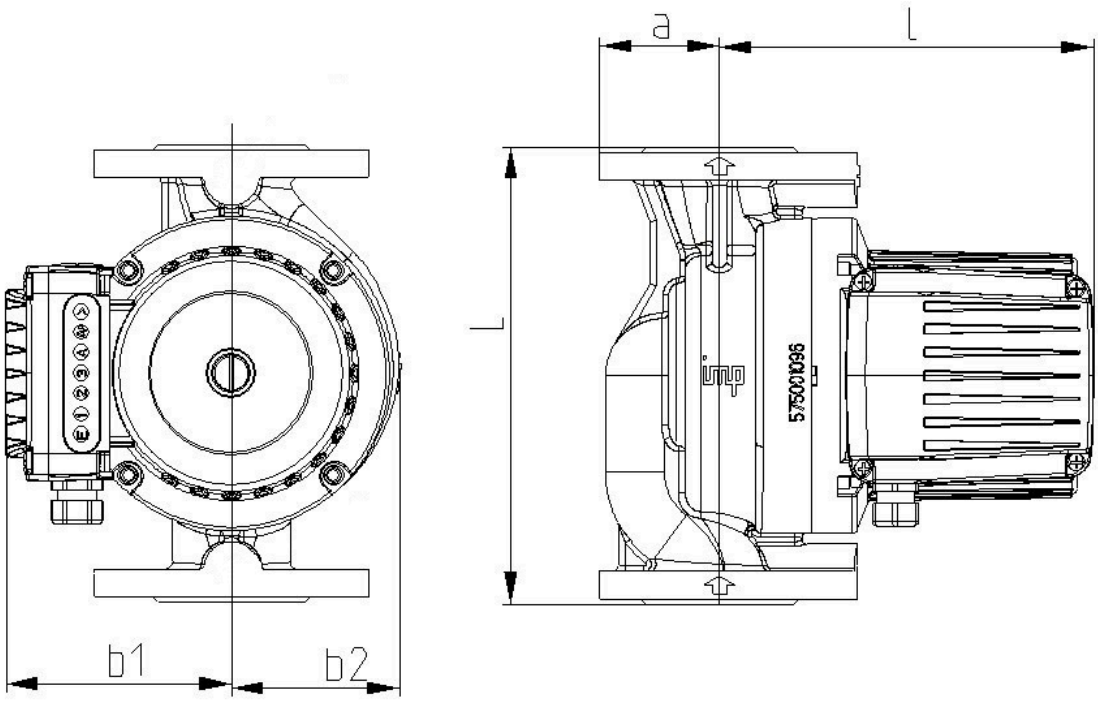
Dimension drawing



DN=80 L=360 a=100 l=259 b1=130 b2=129,5 R=1/4

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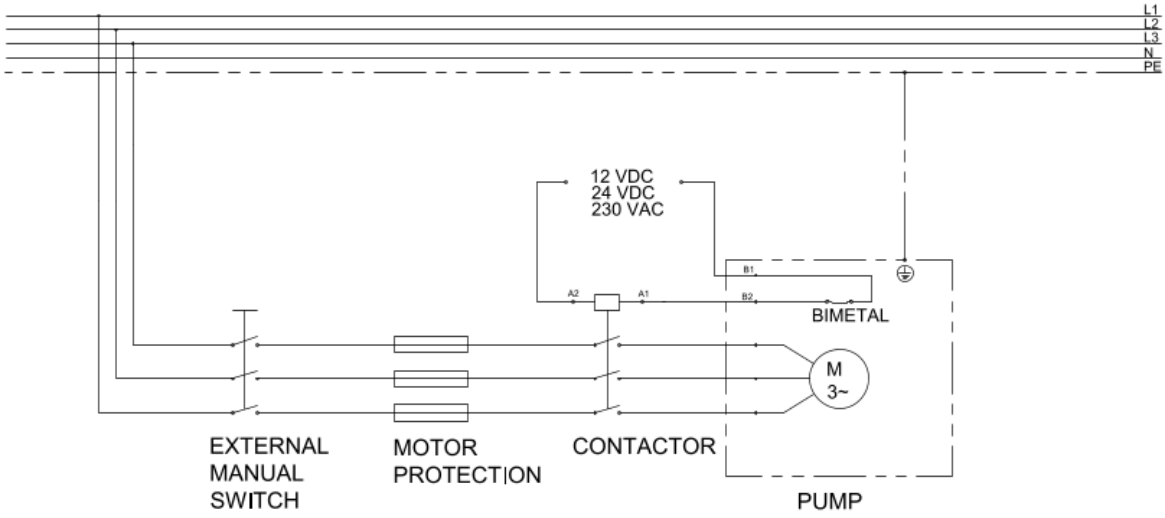
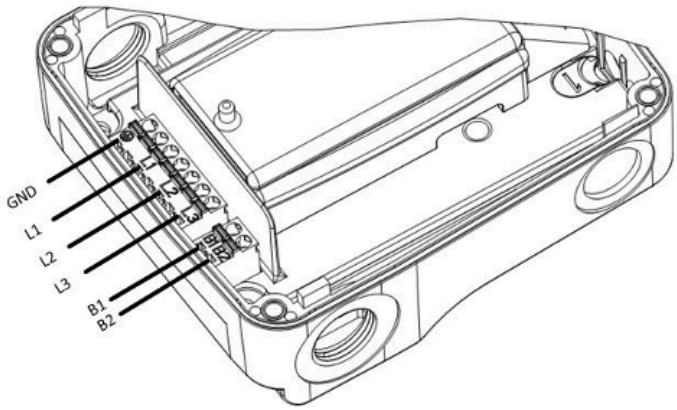
Electrical wiring





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Heating/cooling

GHNbasic II 80-120F PN10 is a circulation pump with manual three-stage regulation of the number of revolutions of the rotor, suitable for heating, cooling, ventilation and air conditioning systems.
The pump has an asynchronous three-phase electric motor with a built-in bimetallic switch. Depending on the state of the bimetallic switch, the external control system may shut down the pump in case of overheating. The electrical installation must be equipped with a protective device to disconnect the electric motor from the power source, made in accordance with local electrical safety regulations.
For the normal operation of the pump, it is necessary to provide a medium that is pure water or a mixture of pure water and antifreeze in accordance with the applicable standards on the quality of water in heating systems, for example the German standard VDI 2035. If the glycol content in the mixture is higher than 20%, it is recommended to check the pump parameters. Temperature range of the pumped medium: -10...+120 °C.
Operating point:
• Flow: 0 m3/h
• Head: 0 m
Head and flow tolerances according to ISO 9906-2015.
Electrical data:
• Voltage: ???
• Maximum current: 3.9 A
Installation data:
• DN: 80
• Installation length: 360 mm
• Net weight: 34.4 kg
The pump is available with flange (PN 6/10) connection. The hydraulic casing of the pump is made of gray cast iron, protected by a cataphoretic coating, which contributes to greater resistance of the pump to the medium. The rotor can is made of one piece of AISI 316 stainless steel without welding, the rotor cladding is made of AISI 316 stainless steel, the pump shaft is made of AISI 431 stainless steel. The impeller is made of AISI 304 stainless steel, the bearings are made of graphite.