HOT WATER
Circulation pump

Applications
The UPS Hot Water Circulation pump is designed for circulation of liquids in heating and air-conditioning systems. Examples of typical applications include hot water service systems, underfloor heating systems, hot water circulation systems, solar hot water circulation systems, etc.







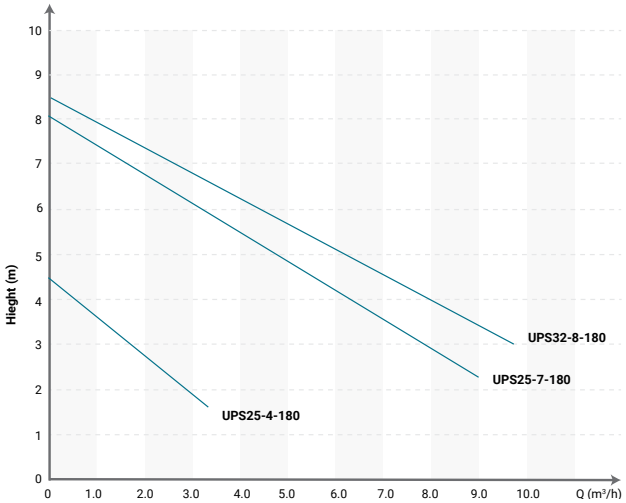
Operating Conditions
Max. Flow: 10m³/h
Max. Head: 8.5m

Limits of use

Liquid temperature:	+2°C~+110°C
Maximum ambient temperature:	+40°C
Maximum system pressure:	10 bar
Protection Level:	IP44
Mains connection:	220V/50Hz
Insulation class:	H
Pumped liquid characteristics:	Clean liquids, free from solids and mineral oils, non-toxic, chemically neutral, close to the characteristics of water.
Installation:	The motor shaft must be kept in the horizontal position; therefore the unit must be installed on a vertical pipeline.
pH:	6.5 to 8.5

Threaded unions are included with the purchase of this product.

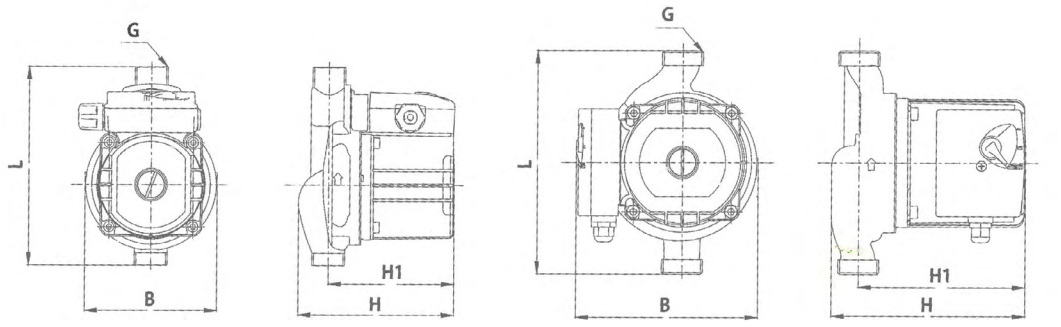
Performance Curve



Model	Speed	Input Power (w)	Voltage (V/HZ)	Max Head (m)	Max flow (m³/h)	G.W. (kg)
UPS25-4-180	3	60	220~240V/50Hz	4	3	3.0
	2	45				
	1	30				
UPS25-7-180	3	200	220~240V/50Hz	8	7	5.0
	2	185				
	1	145				
UPS32-8-180	3	270	220~240V/50Hz	8	9.6	5.2
	2	210				
	1	150				

PERFORMANCE

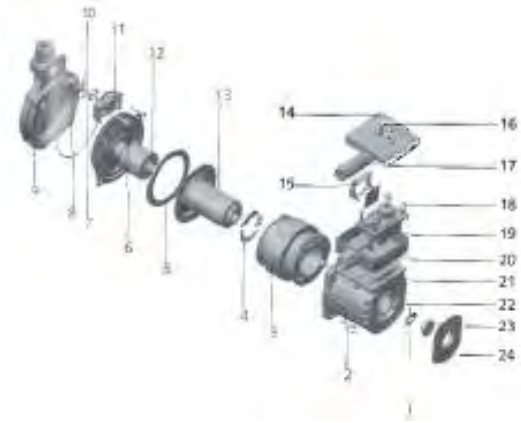
Dimensions



Technical Data

Model	Dim. (mm)					Unions	N.W. (kg)
	H	H1	L	G	B		
UPS25-4-180	130	105	180	G1 ½”	130	G1 ½” to G1”	3
UPS25-7-180	160	130	180	G1 ½”	150	G1 ½” to G1”	5
UPS32-8-180	172	135	180	G1 2”	137	G1 2” to G1 ¼ ”	5.2

Diagram



No.	Component	Material
1	Nameplate	PA6
2	Air Clock	Brass
3	O-ring	EPDM
4	Hex Socket Screws	Steel
5	Stator Housing	Aluminium
6	Stator	/
7	Sealing Ring II	EPDM
8	Rotor Can	Stainless Steel
9	Sealing Ring I	EPDM

No.	Component	Material
10	Impeller	PES+GF
	Shaft	Ceramic
	Thrust Bearing	Graphite
	Radial Bearing	Ceramic
11	Pump Body	Cast iron
12	Terminal Box Cover	ABS
13	Capacitor	/
14	Circuit Board	/
15	Self-tapping Screw	Stainless Steel
16	Capacitor Bracket	ABS
17	Screws	Steel
18	Terminal Box Base	PA66G30
19	Terminal Box Sealing Gasket	EPDM

HOT WATER CIRCULATOR

Fitting Positions

