

BETA 2

**Energy-saving electronic circulation pumps
with A energy-efficiency rating**



Energy Efficiency Index for BETA 2 pumps is

EEI ≤ 0,23

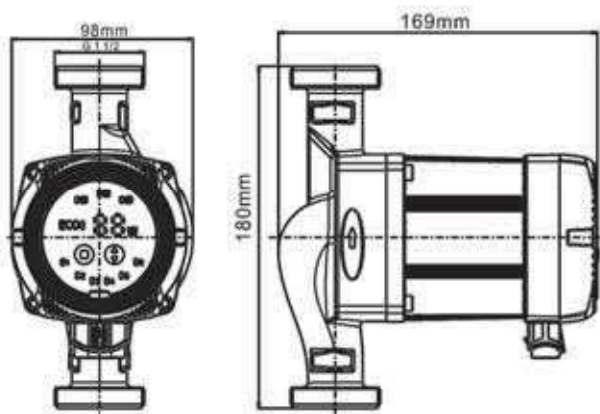
The pumps are designed for forcing circulation in central heating systems and solar systems. The pumps are equipped with an electronic processor for automatic pump control, which together with a frequency converter allows for significant energy savings. The processor provides 11 operating modes depending on the system requirements. The power consumption is from 1/10 to 1/3 of conventional pumps. The pump is supplied with union joints and power cable.



APPLICATION:

BETA 2 circulation pump is intended for the following systems:

- Constant temperature variable flow heating system
- Variable pipe temperature heating system
- Heating system with night mode
- Air conditioning system
- Industrial circulation system
- Domestic central heating system and domestic hot water system.



TECHNICAL DATA

Supply voltage	1×230V +6%/-10%, 50Hz	
Motor protection	No additional motor protection is required	
Ingress Protection	IP 42	
Insulation class	H	
Maximum ambient relative humidity	≤ 95%	
Maximum central heating system pressure	1 Mpa	
Maximum suction-side inflow pressure depending on the heating medium temperature	Medium temperature Min. inflow pressure	
	≤ 85 °C	0.005 MPa
	≤ 90 °C	0.028 MPa
	≤ 110 °C	0.100 MPa
Compliance with the EMC standard	EN61000-6-1; EN61000-6-3	
Operating pump sound pressure	43 dB (A)	
Permissible ambient temperature	0~+40°C	
Maximum heating medium temp.	TF 110	
Maximum pump surface temperature	≤ 125°C	
Pumped liquid temperature range	2~+110°C	

PARAMETERS

MODEL	Operating mode (x1)	Head (m)	Flow (l/min)	Motor power (W)	Inlet/outlet diameter (inch)	Inlet/outlet spacing (mm)	Weight (kg)
BETA 25-40/180	11	4,5	48	22	1½ x 1	180	3,1
BETA 25-60/130	11	6	55	45	1½ x 1	130	3,1
BETA 25-60/180	11	6	55	45	1½ x 1	180	3,0
BETA 2 25-80/180	8	8	90	5-70	1½ x 1	180	3,4
BETA 2 32-80/180	8	8	90	5-70	2 x 1½	180	3,5