

## STUART

### Pulse Bronze Secondary Circulator

Stuart Pulse Bronze Circulators feature a robust bronze pump housing and are ideal for the transfer of liquid within systems for hot-water heating, air-conditioning and ventilation.

These circulators feature variable speed controls to constantly measure pressure and flow and adjust the speed according to the set operating mode.



EEI 0.20

UK  
CA

CE

2 YEAR  
WARRANTY

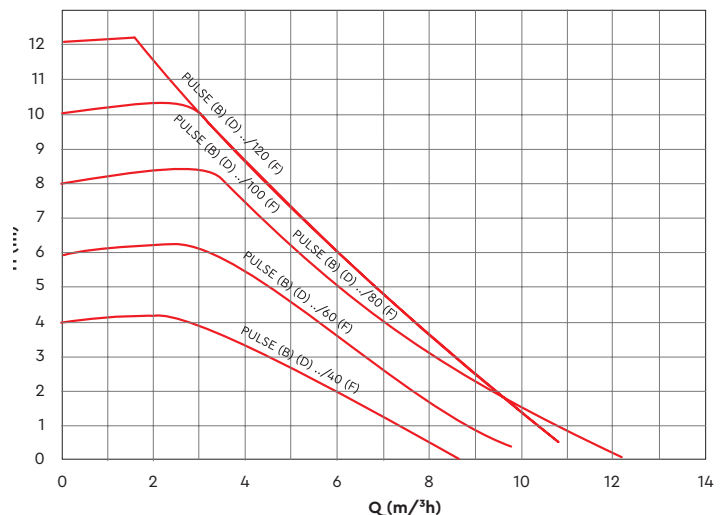
#### Features

- Automatic, proportional pressure, constant pressure and constant speed operating modes
- Automatic night operation mode
- ECM permanent magnet technology
- Automatic venting cycle
- Robust cast iron housing
- Continuously rated
- Carbon-Graphite bearings
- 180 mm fitted length
- G 1½ or G 2 threaded connections
- ErP compliant
- Built-in over-current, temperature and over-voltage protection
- LED display control panel
- 2 year warranty

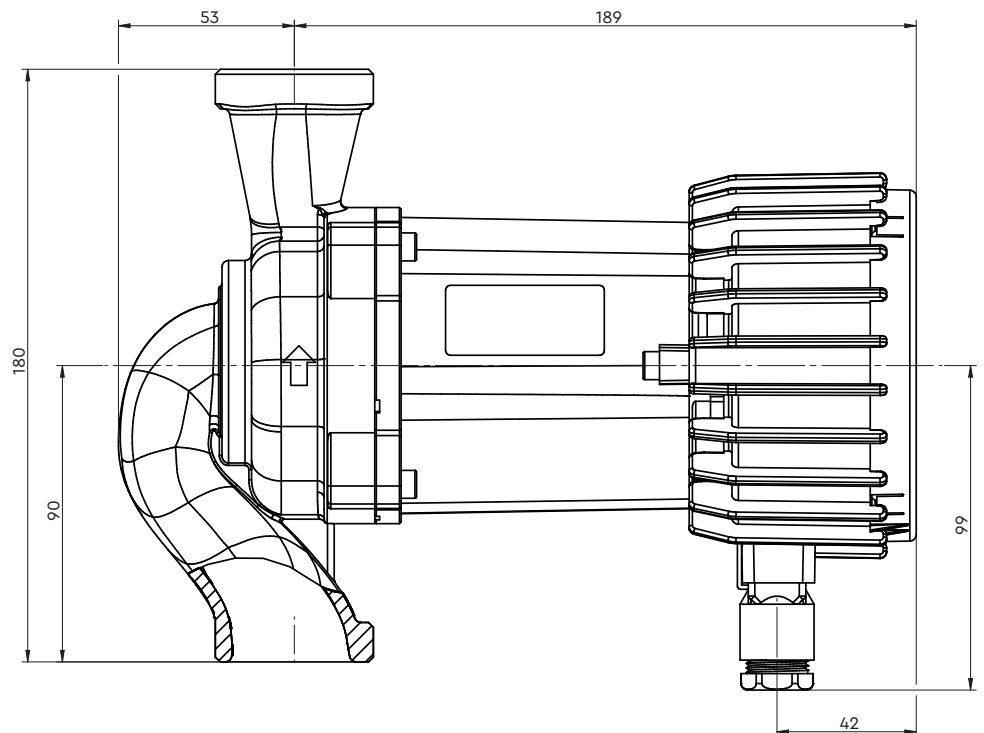
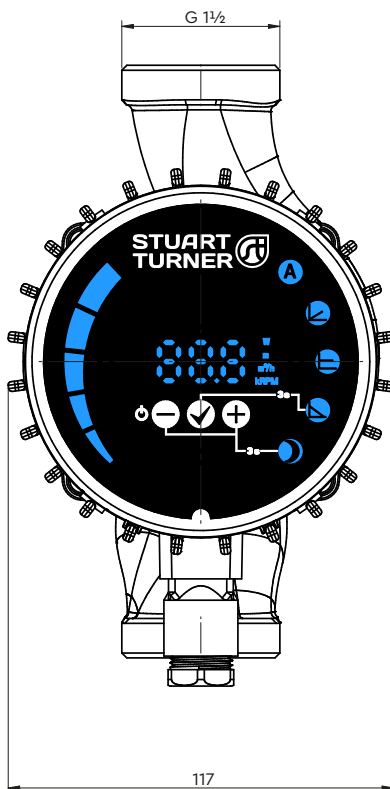
#### Applications

- Hot-water heating systems
- Air conditioning and ventilation systems

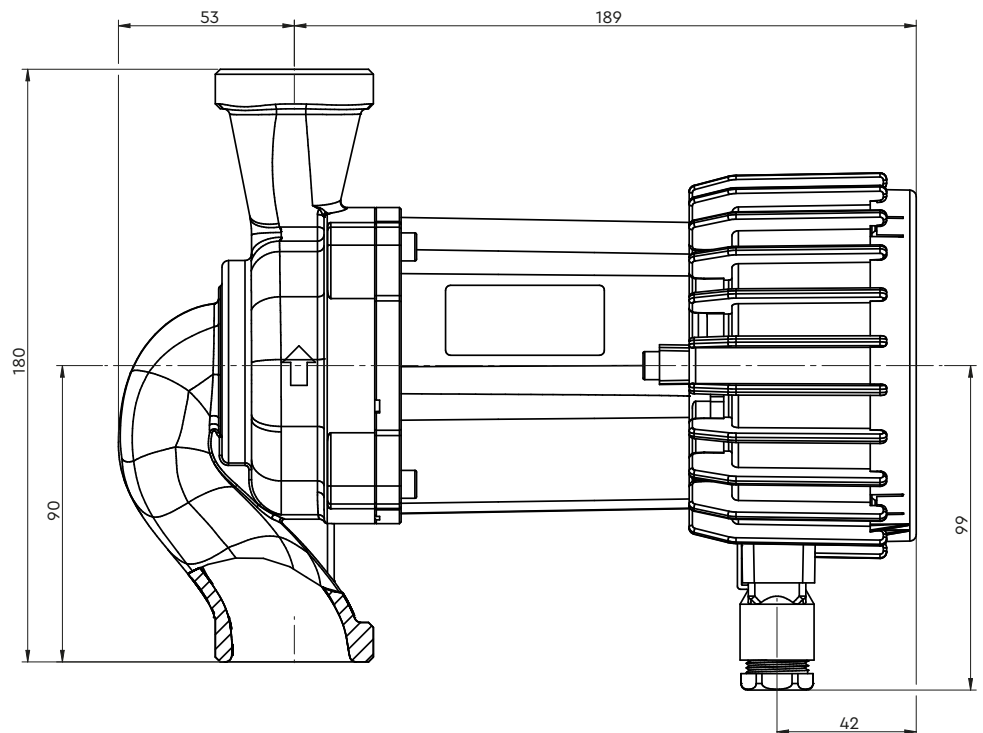
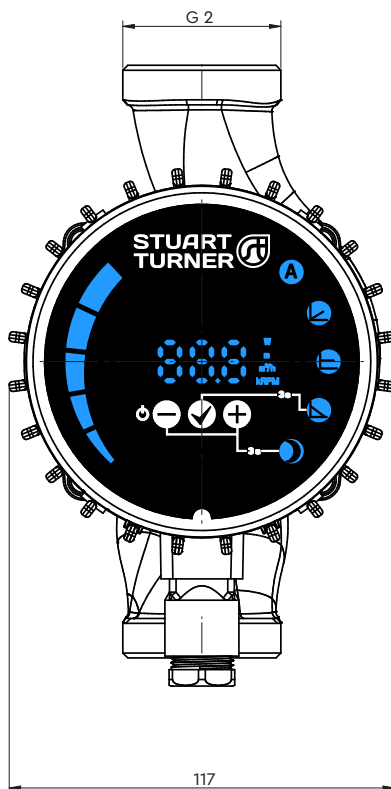
#### Performance



Model		B 25/40-180 47430	B 25/60-180 47431	B 25/80-180 47432	B 25/100-180 47433	B 25/120-180 47434	
General	Warranty	2 years					
Features	Pump type	Centrifugal					
	Fitting length	180 mm					
	Speed settings	Variable					
Materials	Pump body	Cast iron					
	Impeller	Polyethersulfone					
	Bearings	Carbon-Graphite					
Performance	Maximum head (closed valve)	4.2 metres	6.2 metres	8.4 metres	10.5 metres	12.1 metres	
	Maximum flow	8.6 m <sup>3</sup> /h	9.9 m <sup>3</sup> /h	12.3 m <sup>3</sup> /h	11.8 m <sup>3</sup> /h	10.8 m <sup>3</sup> /h	
	Maximum working pressure	10 bar					
	Minimum inlet pressure	0.05 bar <75 °C (fluid temperature) 0.28 bar <90 °C (fluid temperature)					
	Min / Max water temperature	-10 °C to +110 °C					
	Max ambient air temperature	40 °C					
Connections	Inlet / outlet	G 1½					
Motor	Type	Canned permanent magnet rotor					
	Duty rating	Continuous (S1)					
Electrical	Power supply / phase / frequency	230 V a.c. / 1 / 50 Hz					
	Power consumption	70 Watts	110 Watts	150 Watts	180 Watts	180 Watts	
	Current (full load)	0.6 Amps	1 Amp	1.3 Amps	1.5 Amps	1.5 Amps	
	Fuse rating	5 Amps					
	Insulation class	F					
	EI	0.19	0.21	0.21	0.20	0.20	
Physical	Enclosure protection	IP44					
	Depth	242 mm					
	Width	117 mm					
	Height	180 mm					
	Weight		3.70 Kg	3.70 Kg	3.70 Kg	3.80 Kg	3.50 Kg



Model		B 32/40-180 47435	B 32/60-180 47436	B 32/80-180 47437	B 32/100-180 47438	B 32/120-180 47439
General	Warranty	2 years				
Features	Pump type	Centrifugal				
	Fitting length	180 mm				
	Speed settings	Variable				
Materials	Pump body	Cast iron				
	Impeller	Polyethersulfone				
	Bearings	Carbon-Graphite				
Performance	Maximum head (closed valve)	4.2 metres	6.2 metres	8.4 metres	10.5 metres	12.1 metres
	Maximum flow	8.6 m <sup>3</sup> /h	9.9 m <sup>3</sup> /h	12.3 m <sup>3</sup> /h	11.8 m <sup>3</sup> /h	10.8 m <sup>3</sup> /h
	Maximum working pressure	10 bar				
	Minimum inlet pressure	0.05 bar <75 °C (fluid temperature) 0.28 bar <90 °C (fluid temperature)				
	Min / Max water temperature	-10 °C to +110 °C				
	Max ambient air temperature	40 °C				
Connections	Inlet / outlet	G 2				
Motor	Type	Canned permanent magnet rotor				
	Duty rating	Continuous (S1)				
Electrical	Power supply / phase / frequency	230 V a.c. / 1 / 50 Hz				
	Power consumption	70 Watts	110 Watts	150 Watts	180 Watts	180 Watts
	Current (full load)	0.6 Amps	1 Amp	1.3 Amps	1.5 Amps	1.5 Amps
	Fuse rating	5 Amps				
	Insulation class	F				
	EI	0.19	0.21	0.21	0.20	0.20
Physical	Enclosure protection	IP44				
	Depth	242 mm				
	Width	117 mm				
	Height	180 mm				
	Weight	3.85 Kg	3.85 Kg	3.85 Kg	4.20 Kg	3.75 Kg



Stuart Turner Limited reserves the right to amend specifications without notice.

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