

STUART

Pulse Cast Iron Single Circulator

Stuart Pulse Cast Iron Circulators are used for the transfer of water within systems for hot-water heating, air-conditioning and ventilation.

These single head variable speed circulators are designed to constantly monitor and regulate pressure and flow and adjust according to the set operating mode.



EEI 0.20

UK
CA

CE

2 YEAR
WARRANTY

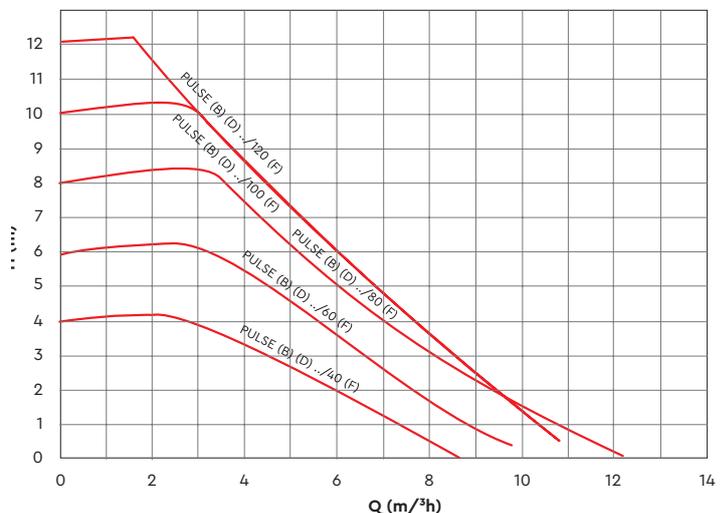
Features

- 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 connection options
- ErP compliant
- Built-in over-current, temperature and over-voltage protection
- LED display control panel
- 2 year warranty

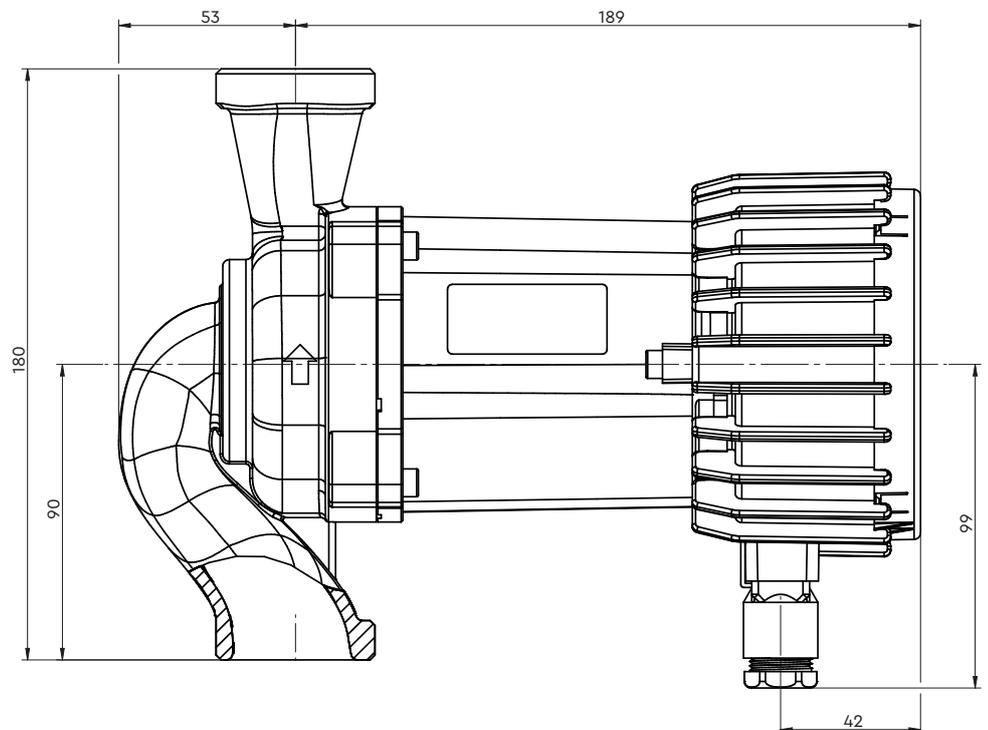
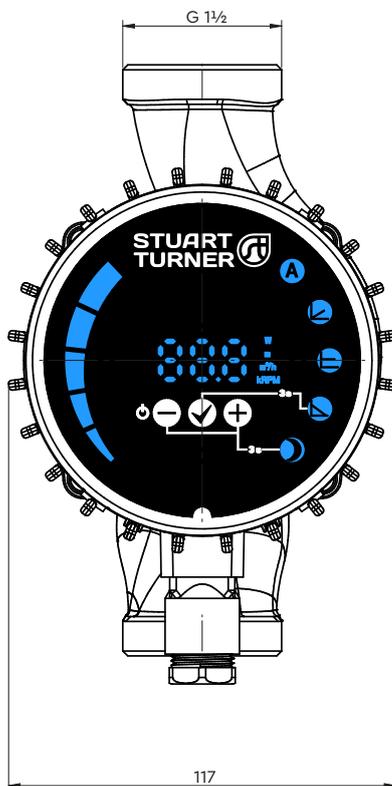
Applications

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

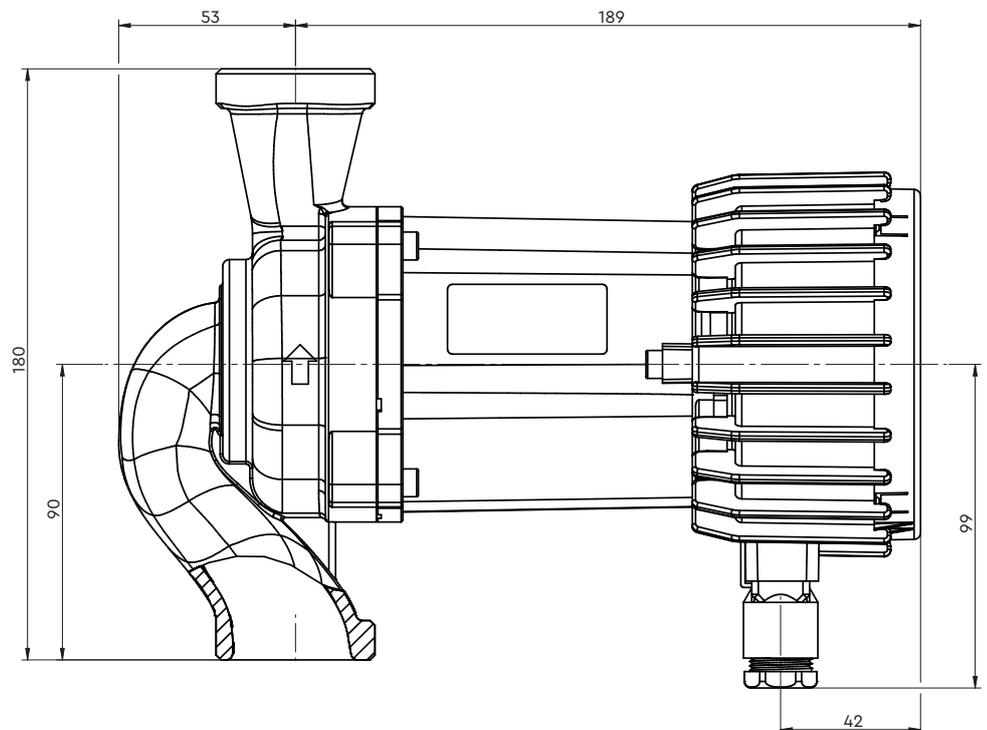
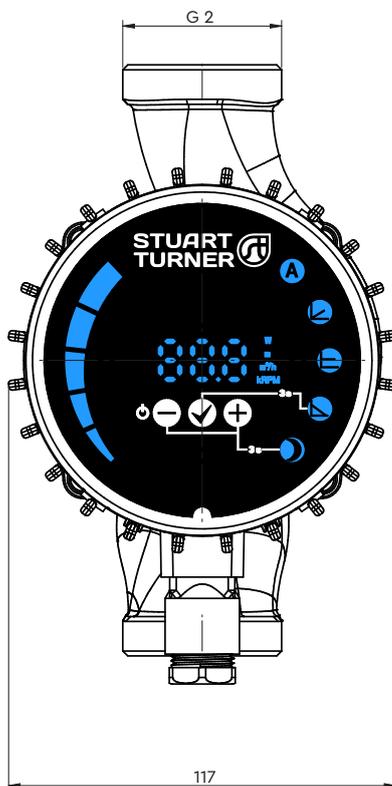
Performance



Model		25/40-180 47398	25/60-180 47399	25/80-180 47400	25/100-180 47401	25/120-180 47402	
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 ³ /h	9.9 m ³ /h	12.3 m ³ /h	11.8 m ³ /h	10.8 m ³ /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		3.40 Kg	3.40 Kg	3.40 Kg	3.30 Kg	3.20 Kg



Model		32/40-180 47403	32/60-180 47404	32/80-180 47405	32/100-180 47406	32/120-180 47407
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 ³ /h	9.9 m ³ /h	12.3 m ³ /h	11.8 m ³ /h	10.8 m ³ /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	3.75 Kg	3.75Kg	3.75 Kg	3.80 Kg	3.50 Kg



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

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