

STUART

Pulse Cast Iron Twin Flanged Circulator

Stuart Pulse Cast Iron Flanged Circulators are ideal for hot and cold water transfer with in-line connections directly within systems for hot-water heating, air-conditioning and ventilation.

These twin 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

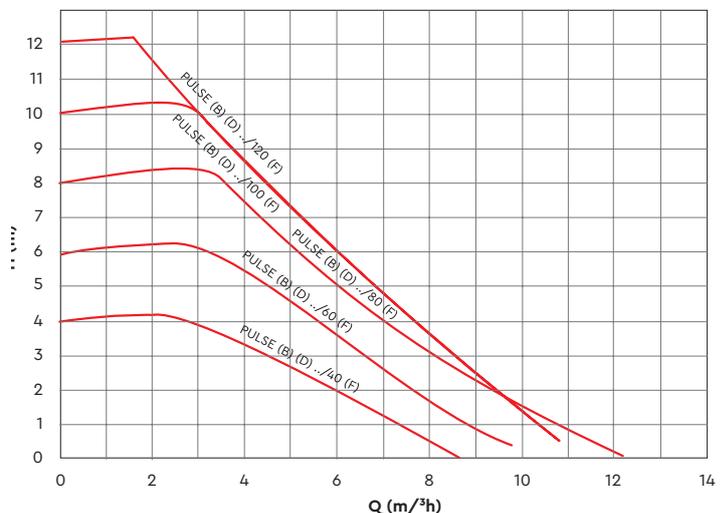
Features

- 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
- 220 mm fitted length
- DN40 flange connections
- ErP compliant
- Built-in over-current, temperature and over-voltage protection
- LED display control panel
- 2 year warranty

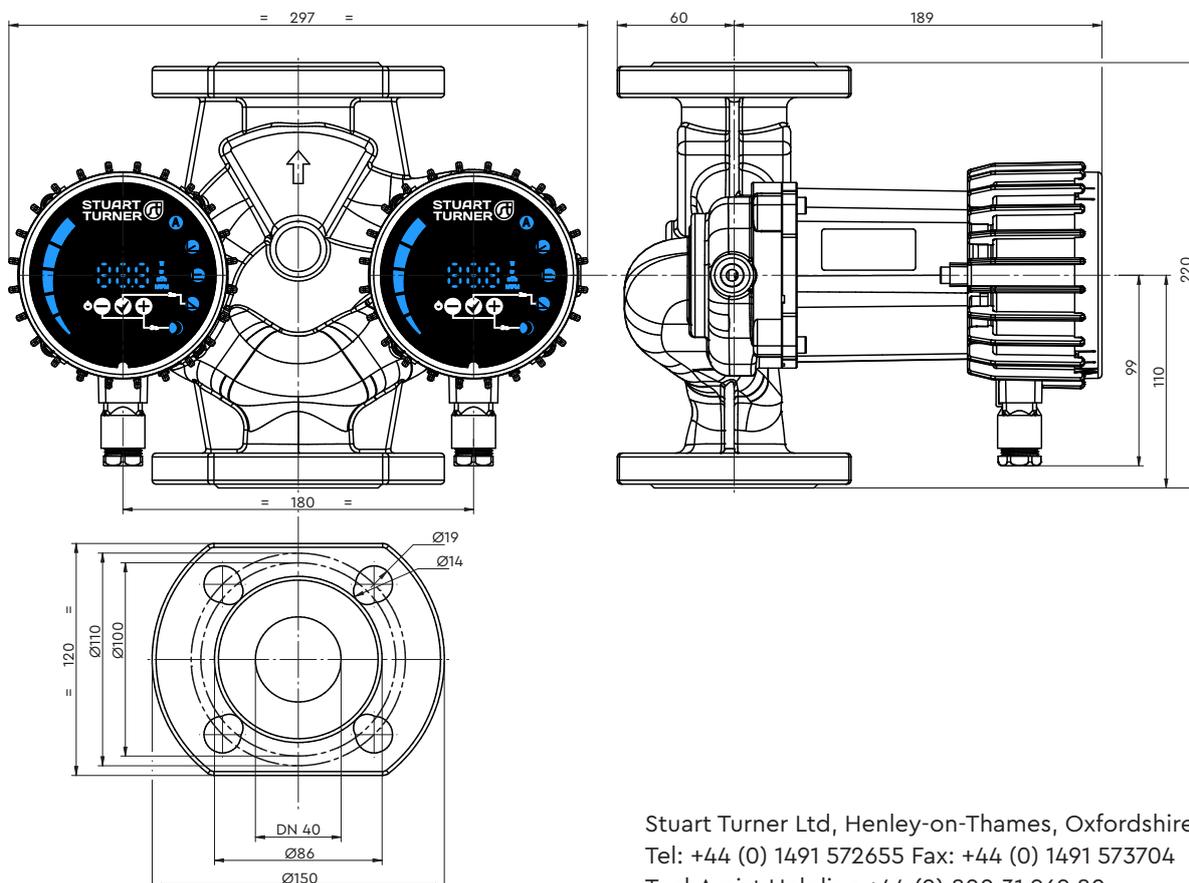
Applications

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

Performance



Model		D 40/40-F220 47425	D 40/60-F220 47426	D 40/80-F220 47427	D 40/100-F220 47428	D 40/120-F220 47429	
General	Warranty	2 years					
Features	Pump type	Centrifugal					
	Fitting length	220 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	DN 40					
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 (x2)	110 Watts (x2)	150 Watts (x2)	180 Watts (x2)	180 Watts (x2)	
	Current (full load)	0.6 Amps (x2)	1 Amp (x2)	1.3 Amps (x2)	1.5 Amps (x2)	1.5 Amps (x2)	
	Fuse rating	5 Amps					
	Insulation class	F					
	EI	0.19	0.21	0.21	0.20	0.20	
Physical	Enclosure protection	IP44					
	Depth	249 mm					
	Width	297 mm					
	Height	220 mm					
	Weight		11.0 Kg	11.0 Kg	11.0 Kg	11.0 Kg	11.25 Kg



Stuart Turner Ltd, Henley-on-Thames, Oxfordshire RG9 2AD
 Tel: +44 (0) 1491 572655 Fax: +44 (0) 1491 573704
 TechAssist Helpline +44 (0) 800 31 969 80
www.stuart-turner.co.uk