

# STUART

## PH ES Boostamatic Pressure Switch Pumps

Designed to provide a pressurised water supply from a break tank in either a positive or negative head application, as it does not rely on gravity flow to activate.

The range is suitable for commercial or domestic use, pumping hot or cold water.



50 Hz

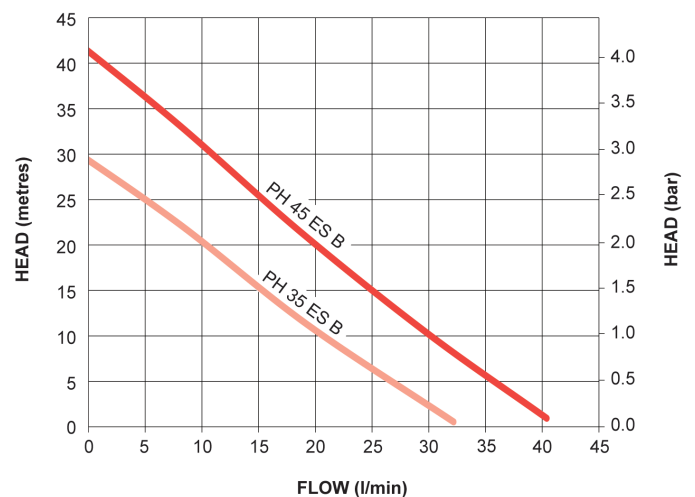


### Features

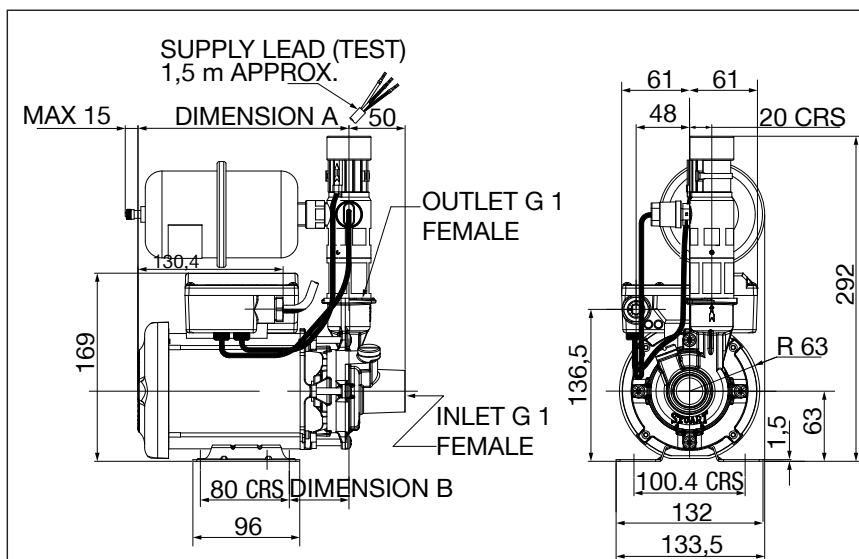
- Peripheral pump
- Flow rates up to 42 litres per minute and heads up to 41 metres
- End suction, vertical delivery connections
- Extended life seal
- Fully automatic control
- Brass pump head and impeller
- Continuously rated
- 2 year guarantee

### Application

- All models are ideal for automated pressurisation of hot or cold water services in a single dwelling or commercial premises



Pump Model		PH 35 ES B 50 Hz 46523	PH 45 ES B 50 Hz 46524
General	Guarantee	2 years	
	WRAS approval	Approved materials	
	Approvals	CE	
Features	Pump type	Peripheral	
	Pump control	Pressure/flow switch	
	Anti-vibration feet	✓	✓
	Run on Timer	3 sec	3 sec
	Dry run protection	✓	✓
	Priming vent plug	✓	✓
	Typical noise	61 dB(A)	64 dB(A)
Materials	Pump body	Brass	
	Impeller	Brass	
	Mechanical seal	EPDM / PTFE /Al. Oxide	
Performance	Maximum head – closed valve	3.0 bar (30 metres)	4.1 bar (41 metres)
	Performance @ 9 l/min	2.0 bar (20 metres)	3.2 bar (32 metres)
	Performance @ 18 l/min	1.2 bar (12 metres)	2.2 bar (22 metres)
	Maximum flow	33 l/min	42 l/min
	Minimum static inlet pressure	0.1 bar (1 metre)	
	Maximum static inlet pressure	1.4 bar (14 metres)	
	Maximum static outlet pressure	1.3 bar (13 metres)	
	Maximum working pressure*	600 kPa (6 bar)	
	Maximum ambient air temperature	40 °C	
	Min / Max water temperature**	Min 4 °C / Max 65 °C	
	Pressure vessel air pre-charge	0.9 bar (13 psi)	
	Maximum suction lift***	4.6 metres	
Connections	Pump connections	G 1 female	
Motor	Type	Induction, auto-reset thermal trip	
	Duty rating	Continuous (S1) @ 5 l/min and above	
Electrical	Power supply (Vac/Ph/Hz)	230 V a.c. / 1 / 50 Hz	
	Power consumption – P1	450 Watts	665 Watts
	Current – full load	1.95 Amps	2.9 Amps
	Fuse rating	5 Amps	
	Power cable length	1.5 metres (pre-wired)	
Physical	Enclosure protection	IP44	
	Length	255 mm	257 mm
	Width	133.5 mm	
	Height – excluding hoses	292 mm	
	Weight – including fittings	6.0 Kg	7.5 Kg



\* The maximum pressure that can be applied to the pump under any installation conditions.

\*\* A stored water temperature of 60 °C is considered sufficient to meet all normal requirements and will minimise deposition of scale in hard water areas.

\*\*\* With footvalve fitted

Pump Description	Dim. 'A'	Dim. 'B'
PH 35 ES B	190 mm	53 mm
PH 45 ES B	207 mm	53 mm

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