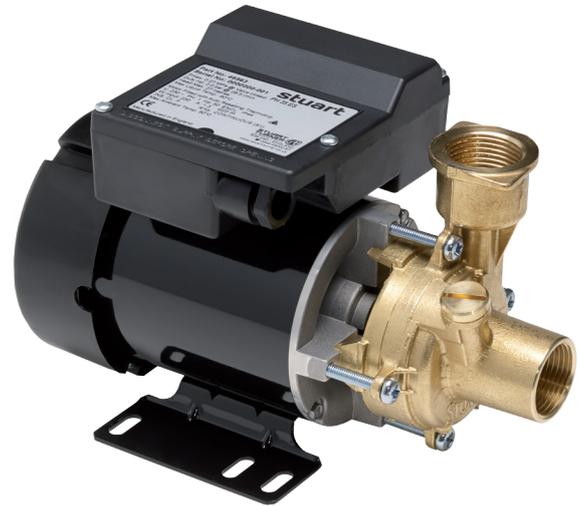


# stuart

## PH ES Peripheral Pumps

The PH ES range of peripheral pumps with horizontal suction and vertical delivery are designed for continuous operation at 5 l/min and above. They offer a range of seal and motor options, providing flow rates up to 40 l/min and heads up to 42 metres.

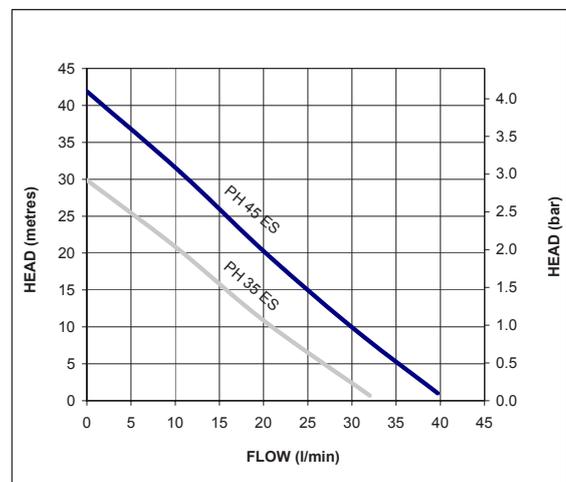


### Features

- Single stage peripheral pump
- Horizontal suction, vertical delivery
- Long life and extended life seal options
- Continuously rated induction motor
- Brass pump body and impeller
- Stainless steel shaft
- Priming vent plug

### Application

- The range of PH ES peripheral pumps are designed to pump clean, fresh water. Other clean, non aggressive, non explosive liquids with similar characteristics to water may be pumped. Please consult Stuart Turner Ltd for guidance.



For further advice on selecting the correct pump call  
or e-mail [info@stpumps.co.uk](mailto:info@stpumps.co.uk)

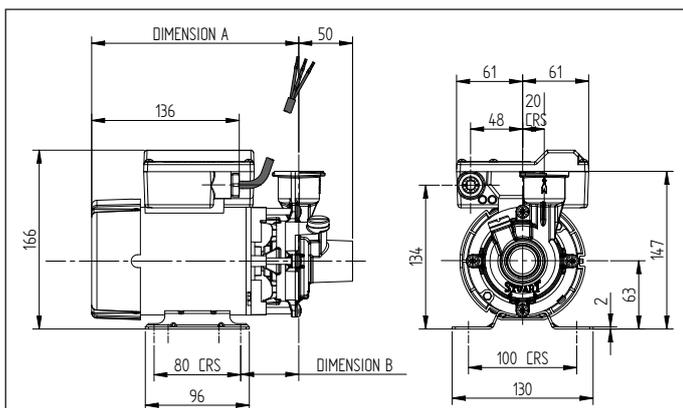
**pumpassist**  
HELPLINE +44 (0) 844 98 000 97

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Pump Model		PH 35 ES 46563	PH 35 ES 46450	PH 35 ES 46451	PH 45 ES 46564	PH 45 ES 46453	PH 45 ES 46454
General	Guarantee	1 year					
Features	Pump type	Peripheral					
	Mechanical seal	Nitrile / Carbon / Ceramic	Nitrile / Carbon / Silicon Carbide	Viton / Carbon / Silicon Carbide	Nitrile / Carbon / Ceramic	Nitrile / Carbon / Silicon Carbide	Viton / Carbon / Silicon Carbide
	Priming vent plug	✓	✓	✓	✓	✓	✓
Performance	Maximum head (closed valve)	30 metres			42 metres		
	Performance @ 9 l/min	20 metres			32 metres		
	Performance @ 18 l/min	12 metres			23 metres		
	Maximum flow	32 l/min			39 l/min		
	Minimum static inlet pressure	0.1 bar (1 metre)					
	Maximum static inlet pressure	1.4 bar (14 metres)					
	Maximum viscosity	50 secs redwood no 1 9.5 centistokes					
	Maximum working pressure*	600 kPa (6 bar)					
	Maximum ambient air temperature	40 °C					
	Min / Max water temperature	Min 4 °C / Max 80 °C					
Suction lift**	4.6 metres						
Connections	Pump connections	G 1 female					
Motor	Type	Induction, auto-reset thermal trip					
	Duty rating	Continuous (S1) @ 2.5 l/min and above					
Electrical	Power supply / phase / frequency	230 V a.c. / 1 / 50 Hz					
	Current (full load)	1.6 Amps			2.4 Amps		
	Power consumption	380 Watts			540 Watts		
	Fuse rating	5 Amps					
	Power cable (pre-wired)	1.5 metres					
Physical	Enclosure protection	IP44					
	Length	241 mm			270 mm		
	Width	130 mm					
	Height (excluding hoses)	166 mm					
	Weight (including fittings)	4.6 Kg			6.2 Kg		

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

\*\* With footvalve fitted.



Pump Description	Dim. 'A'	Dim. 'B'
PH 35 ES	191 mm	54 mm
PH 45 ES	220 mm	54 mm

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