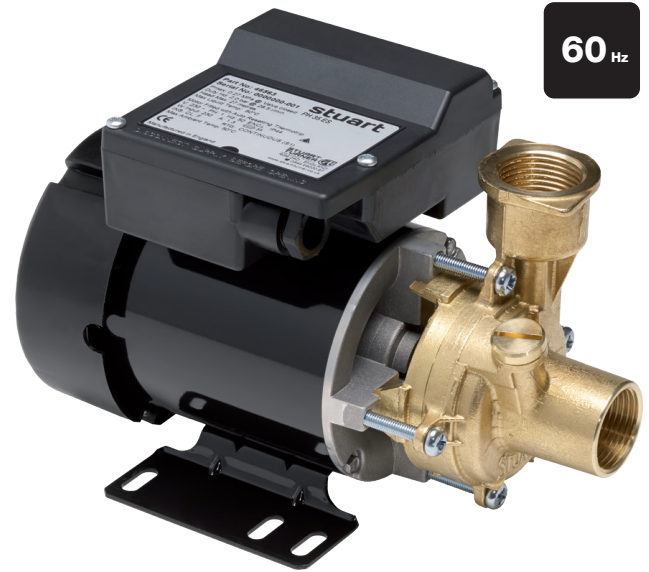


STUART

PH ES Peripheral Pumps

The range of PH ES peripheral pumps is designed to pump clean, fresh water. Other non aggressive, non explosive liquids with similar characteristics to water may be pumped.

The range can be used for pressure boosting, liquid transfer and distribution. They are also suitable for flooded suction applications.

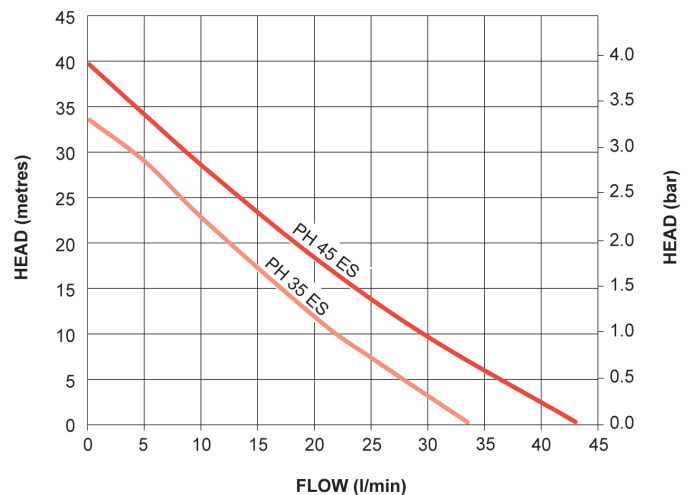


Features

- Peripheral pump
- Flow rates up to 43 litres per minute and heads up to 38 metres
- End suction, vertical delivery connections
- Extended life seal
- Standard control
- Brass pump head and impeller
- Continuously rated
- 1 year guarantee

Application

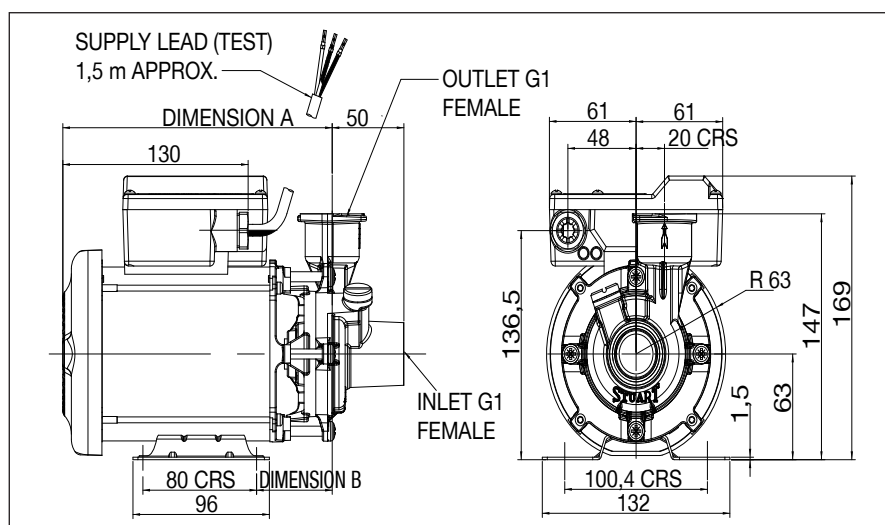
- The range of PH ES peripheral pumps are designed to pump clean, fresh water. Other clean, non aggressive, non explosive liquids with similar characteristics to water may be pumped. The range can be used for pressure boosting, liquid transfer and distribution



Pump Model		PH 35 ES 60 Hz 46649	PH 45 ES 60 Hz 46650
General	Guarantee	1 year	
	WRAS approval	Approved materials	
	Approvals	CE	
Features	Pump type	Peripheral	
	Priming vent plug	✓	✓
	Typical noise	61 dB(A)	
Materials	Pump body	Brass	
	Impeller	Brass	
	Mechanical seal	EPDM / PTFE / Al. Oxide	
Performance	Maximum head – closed valve	3.4 bar / 34 metres	3.8 bar / 38 metres
	Performance @ 9 l/min	2.6 bar / 26 metres	3.0 bar / 30 metres
	Performance @ 18 l/min	1.6 bar / 16 metres	2.1 bar / 21 metres
	Maximum flow	37 l/min	43 l/min
	Minimum static inlet pressure	0.05 bar / 0.5 metres	
	Maximum static inlet pressure	1.4 bar / 14 metres	
	Maximum working pressure*	600 kPa / 6 bar	
	Maximum viscosity	50 secs redwood no. 1 9.5 centistokes	
	Max. ambient air temperature (continuous)	40 °C	
	Max. ambient air temperature (intermittent)	50 °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) @ 5 l/min and above	
Electrical	Power supply (Vac/Ph/Hz)	220 V a.c. / 1 / 60 Hz	
	Power consumption – P1	540 Watts	640 Watts
	Current – full load	2.5 Amps	2.9 Amps
	Fuse rating	5 Amps	
	Power cable length	1.5 metres (pre-wired)	
Physical	Enclosure protection	IP44	
	Length	240 mm	272 mm
	Width	132 mm	
	Height – excluding hoses	169 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	190 mm	53.5 mm
PH 45 ES	222 mm	53.5 mm

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