

**STUART**

## CH 4 Boostamatic Pressure Switch Pumps

Designed to provide a pressurised water supply from a break tank in either a positive or negative head application.

CH Multistage Boostamatic pumps are self priming up to 5 metres and do not rely on a gravity flow of water to activate. With flow rates up to 160 litres/minute and heads up to 62 metres, these pumps are suitable for commercial or domestic use, pumping hot or cold water and are supplied with G 1 flexible hoses and adaptors.

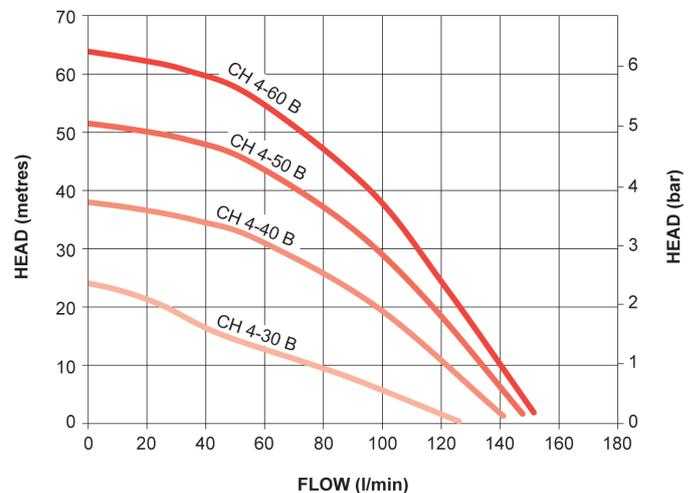


### Features

- Flow rates up to 138 litres per minute and heads up to 64 metres
- Fully automatic control
- No pulsing during operation
- Durable brass and stainless steel construction
- Multistage centrifugal pump
- Extended life mechanical seal
- Quiet operation
- WRAS Approved Product
- Continuously rated induction motor
- Self priming up to 5 metres
- Dry run protection
- G 1 Flexible hoses included
- 2 year guarantee

### Application

- The CH 4 B range of pumps are the ideal base unit for pressure boosting sets or for applications where long pipe runs or high heads may be involved
- Suitable for domestic or commercial use, pumping hot or cold water

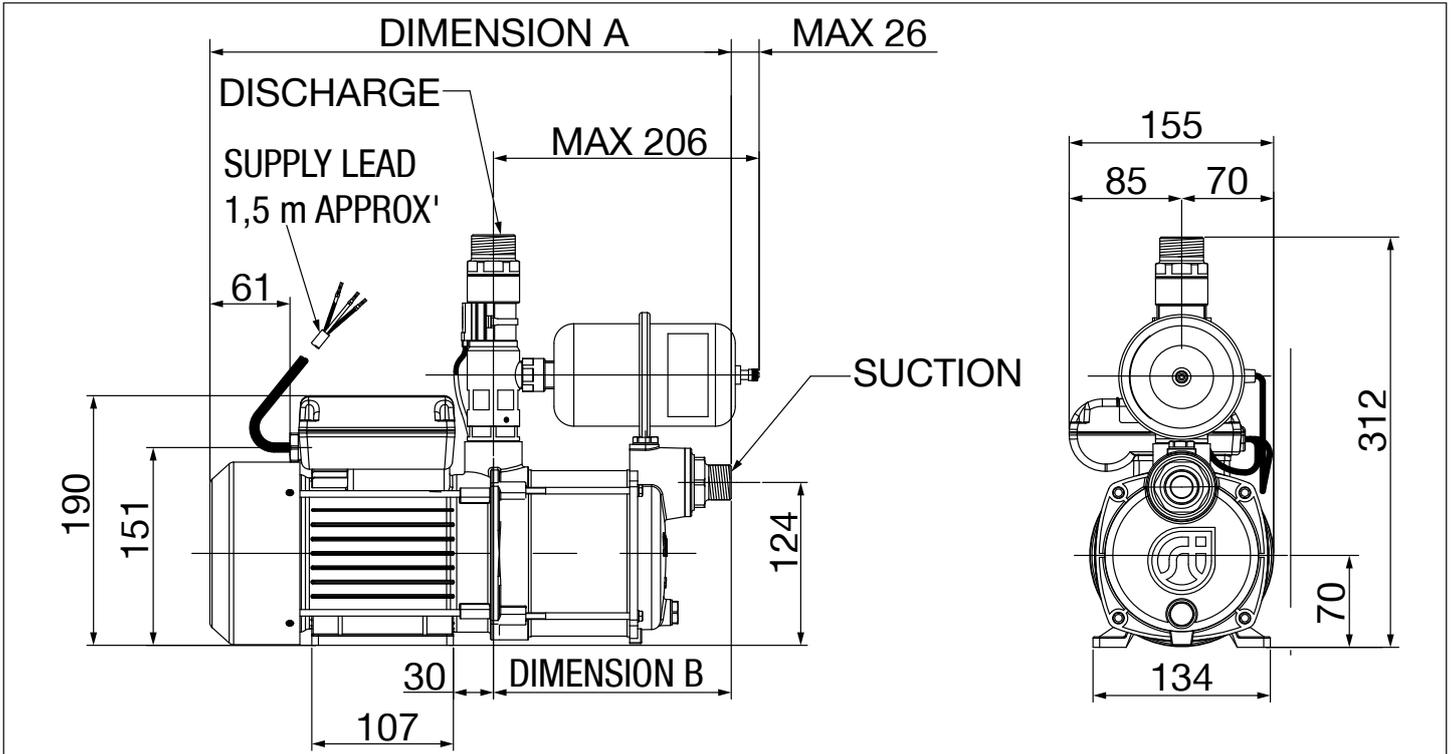


Pump Model		CH 4-30 B 50 Hz 46593	CH 4-40 B 50 Hz 46594	CH 4-50 B 50 Hz 46595	CH 4-60 B 50 Hz 46610
General	Guarantee	2 years			
	WRAS approval	1601057			1601035
	Approvals	WRAS, CE			
Features	Pump type	Centrifugal Multistage			
	Pump control	Pressure/flow switch			
	Anti-vibration feet	✓	✓	✓	✓
	Inlet strainer(s)	✓	✓	✓	✓
	Flexible hoses	2	2	2	2
	Run on Timer	3 sec	3 sec	3 sec	3 sec
	Dry run protection	✓	✓	✓	✓
	Priming vent plug	✓	✓	✓	✓
	Self priming	✓	✓	✓	✓
	Typical noise	67 dB(A)	68 dB(A)	69 dB(A)	70 dB(A)
Materials	Pump body	Brass / stainless steel			
	Impeller	Stainless steel			
	Mechanical seal	EDPM / Carbon / Ceramic			
Performance	Maximum head – closed valve	26 metres	37 metres	51 metres	64 metres
	Performance @ 50 l/min	20 metres	33 metres	46 metres	58 metres
	Performance @ 100 l/min	10 metres	16 metres	26 metres	39 metres
	Maximum flow	120 l/min	125 l/min	135 l/min	138 l/min
	Minimum static inlet pressure	1 metre			
	Maximum static inlet pressure	10 metres			
	Maximum static outlet pressure	13 metres			
	Maximum working pressure*	600 kPa (6 bar)		900 kPa (9 bar)	
	Max. ambient air temperature (continuous)	40 °C			
	Max. ambient air temperature (intermittent)	50 °C			
	Min / Max water temperature**	Min 4 °C / Max 65 °C			
	Cut out flow	1 l/min (approx)			
	Cut in pressure	140 kPa (1.4 bar)	190 kPa (1.9 bar)	290 kPa (2.9 bar)	
	Pressure vessel air pre-charge	1.3 bar (19 psi)	1.8 bar (26.1 psi)	2.8 bar (40.6 psi)	
	Max. suction lift***	4.6 metres			
Connections	Pump connections	G 1 male			
Flexible hoses	Connections	G 1 male x G 1 female x 300 mm long			
	Anti-vibration hose (diameter)	G 1			
Motor	Type	Induction, auto-reset thermal trip			
	Duty rating	Continuous (S1)			
Electrical	Power supply (Vac/Ph/Hz)	230 V a.c. / 1 / 50 Hz			
	Power consumption – P1	800 Watts	1193 Watts	1650 Watts	1986 Watts
	Current – full load	3.6 Amps	5.4 Amps	7.3 Amps	8.8 Amps
	Fuse rating	13 Amps			
	Power cable length	1.5 metres (pre-wired)			
Physical	Enclosure protection	IPX5			
	Length	420 mm		469 mm	494 mm
	Width	155 mm			187 mm
	Height – excluding hoses	312 mm			332 mm
	Weight – including fittings	12.7 Kg	15.1 Kg	18.2 Kg	21.0 Kg

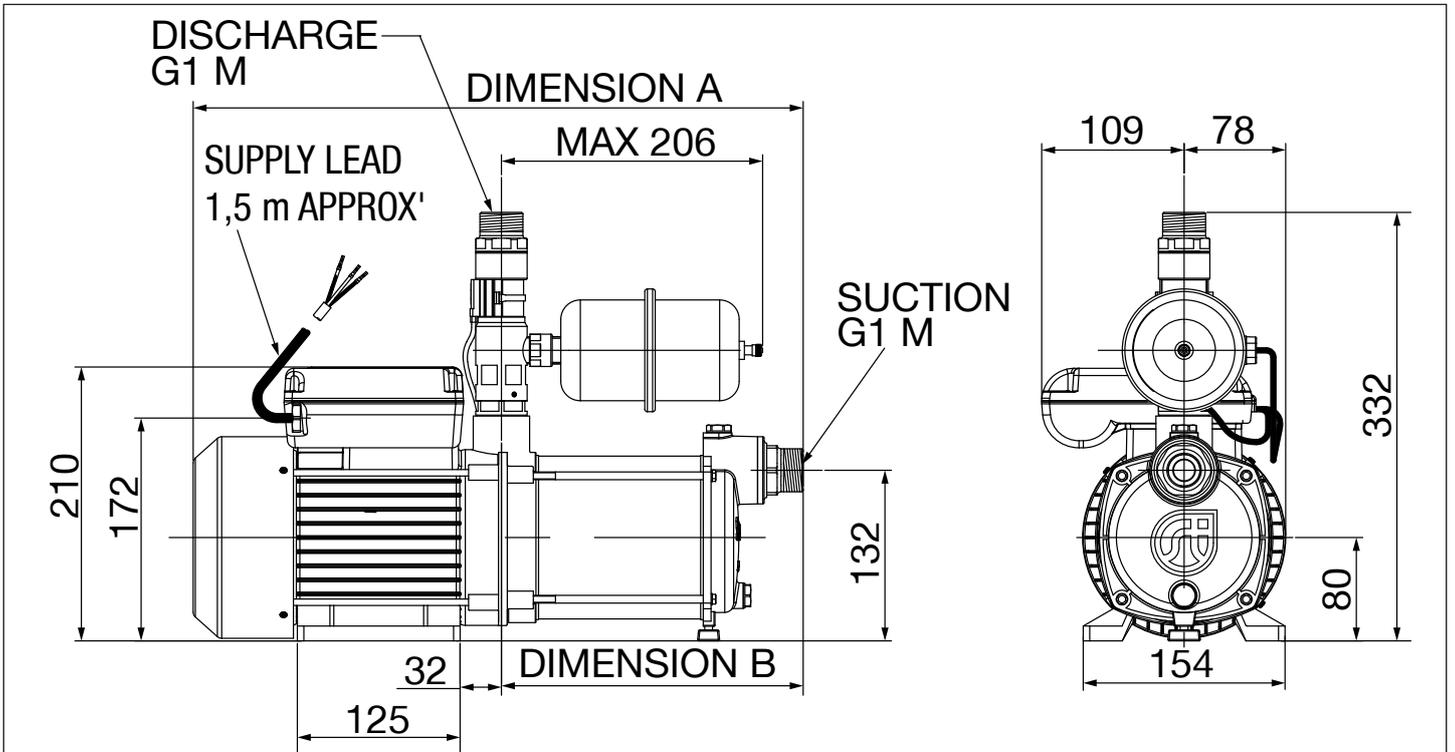
\* The maximum pressure that can be applied to the pump under any installation conditions.

\*\* 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.

\*\*\* A suction lift of up to 4.6 metres can be achieved if a footvalve and strainer is used.



Pump Description	Dim. 'A'	Dim. 'B'
CH 4-30 B	394 mm	180 mm
CH 4-40 B	418 mm	204 mm



Pump Description	Dim. 'A'	Dim. 'B'
CH 4-50 B	469 mm	236 mm
CH 4-60 B	494 mm	260 mm

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

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