

stuart

CH 4 Boostamatic Pressure Switch Pumps

The CH 4 Boostamatic range of centrifugal multistage pumps has been 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.

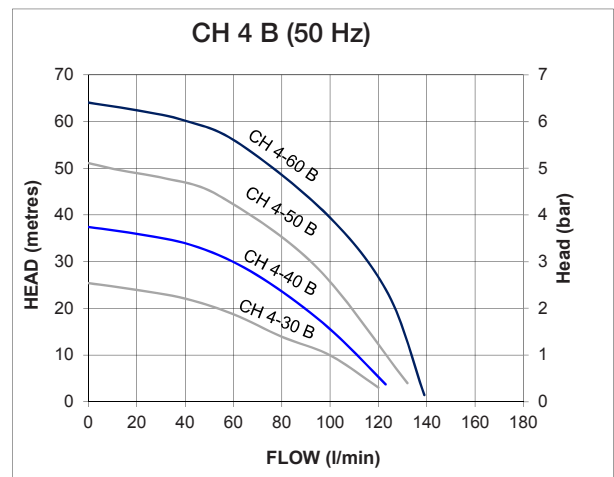


Features

- Fully automatic control - positive and negative head
- No on-site setting/commissioning
- Built in 'no water' cut out
- No pulsing during operation
- Easy installation
- Reliable
- Quiet operation
- 2 year guarantee (subject to conditions)

Application

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



For further advice on selecting the correct pump call
or e-mail info@stpumps.co.uk

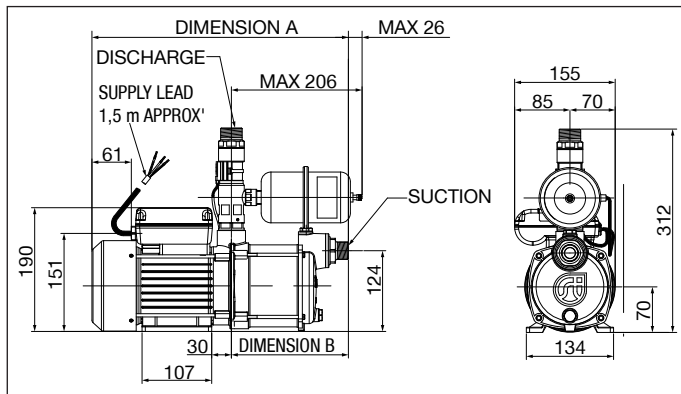
pumpassist
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Pump Model		CH 4-30 B 50 Hz 46593	CH 4-40 B 50 Hz 46594	CH 4-50 B 50 Hz 46595	CH 4-60 B 50 Hz 46610
General	Guarantee	2 years			
	WRAS approval	1601057			1601035
Features	Pump type	Centrifugal			
	Mechanical seal	EPDM / Carbon / Ceramic			
	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	✓	✓	✓	✓
Materials	Pump body	Brass / stainless steel			
	Impeller	Stainless steel			
Performance	Maximum head (closed valve)	2.6 bar	3.8 bar	5.1 bar	6.4 bar
	Performance @ 20 l/min	2.4 bar	3.6 bar	4.9 bar	6.2 bar
	Performance @ 100 l/min	1.0 bar	1.6 bar	2.6 bar	3.9 bar
	Maximum flow	120 l/min	125 l/min	135 l/min	138 l/min
	Static inlet pressure	1 metre (minimum), 10 metres (maximum)			
	Maximum static outlet pressure	13 metres			
	Maximum working pressure*	600 kPa (6 bar)		900 kPa (9 bar)	
	Maximum ambient air temperature	40 °C (continuous), 50 °C (intermittent)			
	Min / Max water temperature**	Min 4 °C / Max 65 °C			
	Max. suction lift***	4.6 metres			
	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 (18.9 psi)	1.8 bar (26.1 psi)	2.8 bar (40.6 psi)	
Connections	Pump connections	G 1 male			
Flexible hoses	Connections	G 1 male x G 1 female x 300 mm long			
Motor	Type, duty rating	Induction, auto-reset thermal trip, continuous (S1)			
Electrical	Power supply / phase / frequency	230 V a.c. / 1 / 50 Hz			
	Current (full load)	3.6 Amps	5.4 Amps	7.3 Amps	8.8 Amps
	Power consumption	800 Watts	1193 Watts	1650 Watts	1986 Watts
	Fuse rating	13 Amps			
	Power cable (pre-wired)	1.5 metres			
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

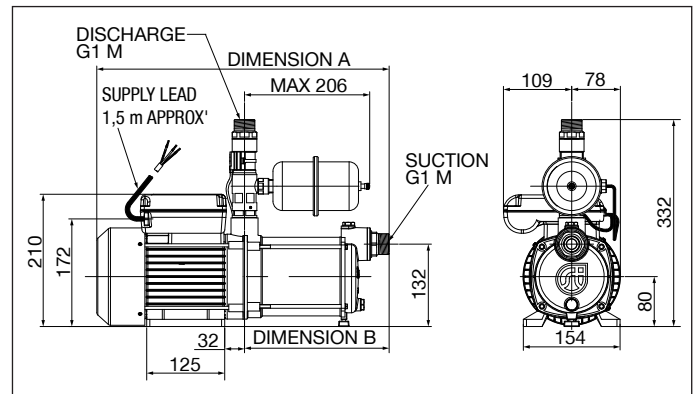
* The maximum pressure that can be applied to the pump under any installation conditions.

** 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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