

# Celsior™ -New generation spa bath pumps

Model Numbers: C200A, C270A, C400A,  
C200AB, C270AB, C400AB,  
C200TB, C270TB & C400TB

DEPEND ON

**DAVEY**

**PUMPS**

## SPA BATH PUMPS

### PRODUCT DESCRIPTION

The Celsior™ range features an advanced, high efficiency water cooled electric motor combined with a high performance self draining wet end and comes with a selection of control and in-built heater options.

### APPLICATIONS

The Celsior™ range is specifically designed to circulate water through spa bath jets to provide a massaging effect. The water cooled heat recovery motor reduces operating noise and maintains the temperature of the spa water for longer.



### FEATURES & BENEFITS

Up to 50% quieter than other pumps which provides a more enjoyable spa experience that will not disturb your well deserved relaxation or your neighbours.

With pumps as large as 2 horsepower, and three unique patented features, Celsior™ pumps deliver greater water flow and pressure, enlivening your spa for a complete massaging effect

Davey Heat Recovery technology maintains the temperature of your spa for longer by utilising waste energy which is otherwise lost when using traditional style spa pumps.

Environmentally friendly & highly efficient with up to 97% effective energy usage

High efficiency impeller lowers running costs, delivering savings of up to 15% over older style spa bath pumps

Unique impeller neck ring increases water pressure and flow.

Quick and easy to install using the Davey 'Flexibrax' which makes wall mounting possible with no extra parts and maximises the flexibility and space within your bathroom.

IP56 protective enclosures make Celsior™ ideal for outdoor installation without the need for expensive covers.

Designed to exceed standards for electrical safety, with up to 5 safety devices that monitor environmental and pump conditions.

Designed to self drain free of water after each use. This prevents build up of stale unhygienic water for your peace of mind.

'No water' protection prevents heater operation if the pump is run in the absence of water.

All Celsior™ models feature automatic shutdown protection if the pump is run without water or the suction is blocked.

Quiet, high quality, heavy duty, Davey manufactured pump and motor ensures that the Celsior™ range is of the highest quality.

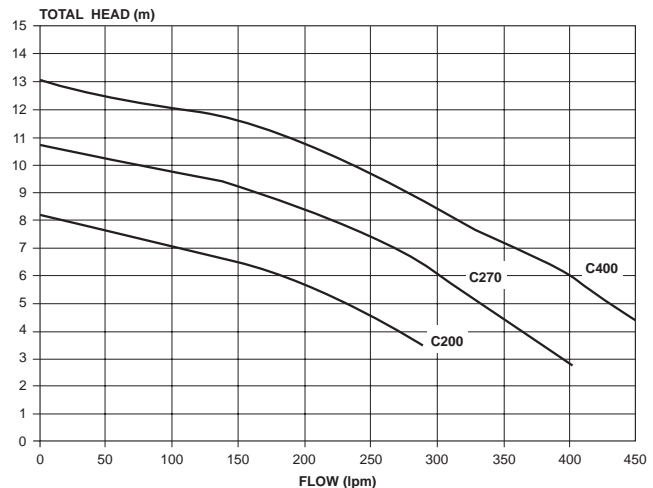
Built-in automatic air bleed, enables air to be released from the pump, to assist priming performance in difficult installations.

# TECHNICAL SPECIFICATIONS

## MATERIALS OF CONSTRUCTION

PART	MATERIAL
Pump casing	ABS
Impeller	Acetal
Impeller neck ring	Glass filled Nylon
O-rings	Nitrile rubber
Shaft	Low carbon steel
Mechanical seal	
Rotating face	Composite carbon
Stationary face	Ceramic
Bearings	Full contact Neoprene seal
Motor inner shell	304 stainless steel
Motor outer shell	Glass filled Noryl
Barrel unions	ABS

## HYDRAULIC PERFORMANCE



## ELECTRICAL DATA

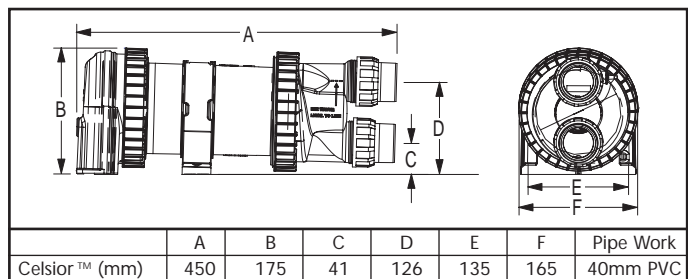
	C200A	C270A	C400A	C200AB	C270AB	C400AB	C200TB	C270TB	C400TB
Voltage	220-250								
Supply Frequency (Hz)	50								
Start Current (A)	6.8	12.2	19.8	6.8	12.2	19.8	6.8	12.2	19.8
Run Current (A)	3	3.9	6.5	3	3.9	6.5	3	3.9	6.5
Heater Current (A)	-	-	-	4.2					
Total Unit Current (A)	3	3.9	6.5	7.2	8.1	10.7	7.2	8.1	10.7
Motor Input Power (W)	690	930	1500	690	930	1500	690	930	1500
Motor Output Power (W)	414	623	1050	414	623	1050	414	623	1050
Heater Input (W)	-	-	-	1000					
Effective Heating (W)	635	869	1410	1635	1869	2410	1635	1869	2410
Effective Energy Usage %	92	93.4	94	96.6	96.8	96.4	96.6	96.8	96.4
Enclosure Class (IP)	56								
Insulation Class	F								
Approval Number	Q03981								

## OPERATING LIMITS

Maximum water temperature 50°C  
 Maximum ambient temperature 55°C  
 Sound power levels 60dB(A)

- Capable of pumping 50°C water, however, in-line with health authority recommendations, the thermostatically controlled heater will maintain the water temperature to a maximum of 40°C.

## DIMENSIONS



This literature is not a complete guide to product usage. Further information is available from your Davey dealer, Davey Customer Service Centre and from the relevant product Installation and Operating Instructions. This data sheet must be read in conjunction with the relevant product Installation and Operating Instructions and all applicable statutory requirements. Product specifications may change without notice.

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DEPEND ON  
**DAVEY**

PUMPS

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